

# ATF-140N-5.1

ALL  
TERRAIN  
CRANE



# ALL TERRAIN CRANE

最大定格総荷重

**140 t**



**ATF-140N-5.1**



構内移動姿勢

## 一新されたキャリヤキャブと新装備



キャリヤキャビン



作業準備用ラジコン

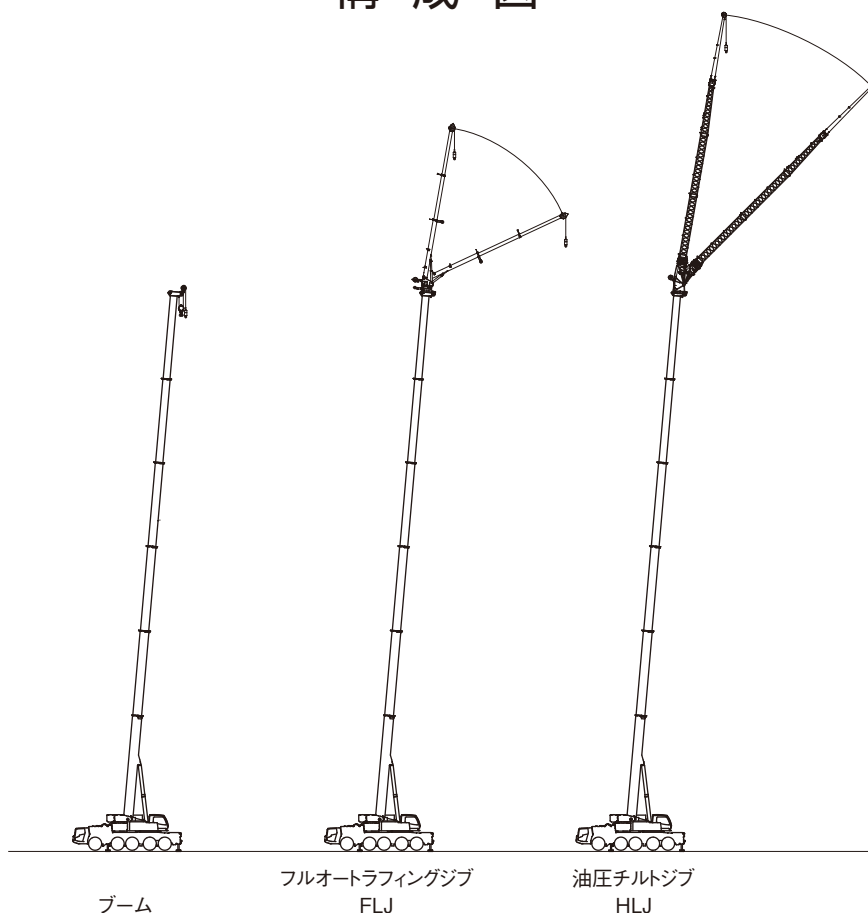


クレーンキャビン



# ALL TERRAIN CRANE ATF-140N-5.1

## 構成図



ATF-140N-5.1のジブは、フルオートラフィングジブ(FLJ)、油圧チルトジブ(HLJ)の2種類があります。

| スペック             | フルオートラフィングジブ<br>(FLJ) | 油圧チルトジブ<br>(HLJ) |
|------------------|-----------------------|------------------|
| ATF-140N-1-90101 | ●                     | ●                |
| ATF-140N-1-90102 | ●                     | —                |
| ATF-140N-1-90103 | —                     | ●                |

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# 諸 元

## ■クレーン

|                            |                |                                                                        |
|----------------------------|----------------|------------------------------------------------------------------------|
| ブー ム                       | 12.8m          | 140,000 kg × 2.5m (2×10本掛、アタッチメント付)                                    |
|                            | 17.1m          | 90,000 kg × 3.5m (11本掛)                                                |
|                            | 21.4m          | 90,000 kg × 3.5m (11本掛)                                                |
|                            | 22.3m          | 84,300 kg × 3.0m (11本掛)                                                |
|                            | 25.8m          | 70,000 kg × 5.0m (9本掛)                                                 |
|                            | 30.1m          | 54,300 kg × 4.5m (7本掛)                                                 |
|                            | 31.7m          | 30,000 kg × 5.0m (4本掛)                                                 |
|                            | 34.4m          | 44,000 kg × 5.0m (6本掛)                                                 |
|                            | 38.7m          | 32,800 kg × 8.0m (4本掛)                                                 |
|                            | 43.0m          | 27,100 kg × 9.0m (4本掛)                                                 |
|                            | 47.4m          | 21,400 kg × 11.0m (3本掛)                                                |
|                            | 51.7m          | 16,600 kg × 14.0m (2本掛)                                                |
|                            | 56.0m          | 13,200 kg × 16.0m (2本掛)                                                |
|                            | 60.0m          | 10,600 kg × 18.0m (2本掛)                                                |
| シングルトップ                    |                | 8,700 kg (1本掛)                                                         |
| フルオート<br>ラフティングジブ<br>(FLJ) | 1.6m+ 7.4m FLJ | 7,300 kg × 30.0m (1本掛)                                                 |
|                            | 1.6m+12.4m FLJ | 4,300 kg × 30.0m (1本掛)                                                 |
|                            | 1.6m+17.4m FLJ | 3,300 kg × 20.0m (1本掛)                                                 |
| 油圧チルトジブ<br>(HLJ)           | 1.0m+ 2.8m HLJ | 38,100 kg × 3.5m (5本掛)                                                 |
|                            | 1.0m+ 9.2m HLJ | 15,000 kg × 12.0m (2本掛)                                                |
|                            | 1.0m+17.0m HLJ | 7,300 kg × 6.0m (1本掛)                                                  |
|                            | 1.0m+24.0m HLJ | 5,100 kg × 12.0m (1本掛)                                                 |
|                            | 1.0m+31.0m HLJ | 3,500 kg × 16.0m (1本掛)                                                 |
|                            | ブーム            | 60.0m (10.6 t)                                                         |
| 最大地上揚程                     | FLJ            | 78.0m (2.8 t)                                                          |
|                            | HLJ            | 88.0m (1.6 t)                                                          |
|                            | ブーム            | 56.0m (2.2 t)                                                          |
| 最大作業半径                     | FLJ            | 64.0m (1.3 t)                                                          |
|                            | HLJ            | 72.0m (1.0 t)                                                          |
|                            | ブーム            | 12.8m ~ 60.0m                                                          |
| ブーム・ジブ<br>長さ               | FLJ            | 1.6m + 7.4m ~ 17.4m                                                    |
|                            | HLJ            | 1.0m + 2.8m ~ 31.0m                                                    |
| ブーム・ジブ<br>形 式              | ブーム            | 箱型6段油圧伸縮式<br>各段ピンロック方式                                                 |
|                            | FLJ            | 箱型3段同時伸縮式<br>オフセット5° ~ 60°<br>油圧無段階傾斜式                                 |
|                            | HLJ            | ラチス型 4段+箱型1段<br>オフセット5° ~ 40°<br>油圧無段階傾斜式                              |
|                            | シングルトップ        | 先端ブーム取付横折曲格納式                                                          |
| ブーム・ジブ<br>伸縮装置             | ブーム            | 複動油圧シリンダ直押式1本                                                          |
|                            | FLJ            | 複動油圧シリンダ直押式1本<br>ワイヤロープ式伸縮装置1基                                         |
| ブーム伸長速度                    |                | 47.2m/500 s                                                            |
| フック                        |                | 100 t フック (6枚シープ)<br>60 t フック (3枚シープ)<br>26 t フック (1枚シープ)<br>8.7 t フック |
| 巻上装置                       |                | 油圧モータ駆動遊星歯車減速式<br>自動ブレーキ<br>シングルウインチ 2基                                |
| ワイヤロープ                     | 主 巻            | 径21mm × 長さ320m                                                         |
|                            | 補 巻            | 径21mm × 長さ250m                                                         |
| 巻上速度                       | 主 巻            | 125m/min (4層)                                                          |
|                            | 補 巻            | 125m/min (4層)                                                          |
| ブーム起伏装置                    |                | 複動油圧シリンダ直押式 1本                                                         |
| ブーム上げ速度                    |                | -1.0° ~ 85.0° / 45 s                                                   |
| 旋回装置                       |                | 油圧モータ駆動遊星歯車減速式<br>ボール式スイングベアリング<br>油圧操作式旋回ロック<br>手動スイッチ式ブレーキ           |
| 旋回角度                       |                | 360° 連続                                                                |
| 旋回速度                       |                | 1.6 min <sup>-1</sup>                                                  |
| カウンタウエイト                   |                | 40.9 t、28.9 t、25.4 t、15.4 t、7.1 t、0 t                                  |
| アウトリガ                      |                | 全油圧式 H型<br>張出幅：最大7.5m、<br>中間6.2m、<br>5.0m、<br>4.1m、<br>最小2.5m          |
|                            |                | スライド・ジャッキ各個操作装置付<br>スライドロック用ピン付<br>スライド格納式フロート                         |

|                   |       |                                                                                                                                                                                                                     |
|-------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 上部エンジン            | 形 式   | ベンツ OM934LA<br>水冷4サイクル 直列4気筒 直接噴射式<br>排気ターボ過給 インタークーラ付 ディーゼルエンジン<br>尿素SCRシステム付                                                                                                                                      |
|                   | 総排気量  | 5.13 L                                                                                                                                                                                                              |
|                   | 最高出力  | 129kW [175PS] / 2,200min <sup>-1</sup> [rpm]                                                                                                                                                                        |
|                   | 最大トルク | 750N・m [76kgf・m] / 1,200~1,600min <sup>-1</sup> [rpm]                                                                                                                                                               |
| 燃料タンク容量           |       | 220L                                                                                                                                                                                                                |
| A d B l u e タンク容量 |       | 19L                                                                                                                                                                                                                 |
| 油圧ポンプ             |       | 高圧可変ピストンポンプ 2個<br>高圧ピストンポンプ 1個<br>高圧キャポンプ 1個                                                                                                                                                                        |
| 安全装置              |       | 過負荷防止装置 (AML)<br>作業範囲制限機能<br>旋回範囲制限機能<br>旋回自動停止機能<br>ブーム起伏緩停止機能<br>フック移動量表示機能                                                                                                                                       |
|                   |       | カウンタウエイト組み合わせ検出装置<br>個別検出式アウトリガ張出幅自動検出装置<br>巻過防止装置<br>捨巻確保装置<br>水準器<br>玉掛けロープはずれ止め<br>旋回ロック装置<br>油圧安全弁<br>油圧ロック装置 (伸縮・起伏・巻上・ジャッキ)                                                                                   |
| 付 属 装 置           |       | ブーム着脱装置<br>カウンタウエイト着脱装置<br>速度調整装置(起伏・旋回・ウインチ・ジブチルト)<br>作業灯、内部チルト式クレーン運転室、シートヒーター<br>リフトアジャスタ、リリースアジャスタ<br>AML外部表示灯、風速計、オイルクーラー<br>エアコン、ラジオ、ドラム視認モニタ<br>旋回音声警報装置、拡声器<br>作業準備用ラジコン<br>携帯通信装置 (HELLO-NET Owner's Site) |
| オ プ シ ョ ン         |       | 敷鉄板、1.5tウエイト                                                                                                                                                                                                        |

## ■キャリヤ

|                       |        |                                                                            |
|-----------------------|--------|----------------------------------------------------------------------------|
| 最 高 速 度               |        | 85km/h                                                                     |
| 登 坂 能 力               |        | $\tan \theta = 0.7$                                                        |
| 最 小 回 転 半 径           |        | 9.4m                                                                       |
| 全 長                   |        | 12,870mm                                                                   |
| 全 幅                   |        | 2,790mm                                                                    |
| 全 高                   |        | 3,980mm                                                                    |
| 軸 距                   |        | 2,560mm+1,650mm+2,000mm+1,700mm                                            |
| 輪 距                   |        | 2,350mm                                                                    |
| 車 両 総 重 量<br>(公道走行状態) | 全 重 量  | 37,250kg                                                                   |
|                       | 前 軸    | 17,920kg (1軸 + 2軸)                                                         |
|                       | 後 軸    | 1,370kg (3軸)<br>17,960kg (4軸 + 5軸)                                         |
| 乗 員 定 員               |        | 2名                                                                         |
| エ ン ジ ン               | 形 式    | ベンツ OM471LA、<br>水冷4サイクル直列6気筒直接噴射式、<br>インタークーラ付ターボ ディーゼルエンジン、<br>尿素SCRシステム付 |
|                       | 総排気量   | 12.8L                                                                      |
|                       | 最高出力   | 390kW [530PS] / 1,700min <sup>-1</sup> [rpm]                               |
|                       | 最大トルク  | 2,460N・m [251kgf・m] / 1,300min <sup>-1</sup> [rpm]                         |
| 燃 料 タ ン ク 容 量         |        | 600L                                                                       |
| A d B l u e タンク容量     |        | 40L                                                                        |
| 変 速 機                 | 形 式    | ZF ASトロニック、自動変速式、インターダブレーキ付                                                |
|                       | 段      | 前進12段、後進2段                                                                 |
| 駆 動 方 式               |        | 10×6 (8)<br>1軸 + (2軸) + 4軸 + 5軸、デフロック装置付                                   |
| 車 軸 形 式               |        | 5軸全浮動式                                                                     |
| 懸 架 方 式               |        | 全軸ハイドロニューマチック、レベリング調整付、<br>サスペンションストローク：+155mm、-120mm                      |
| ス テ ア リ ン グ           |        | 左ハンドル、非常ステアリングポンプ付2系統式、<br>パワーステアリング、特殊ステアリングモード付                          |
| ブ レ ー キ               | 主 ブレーキ | 空気式全輪ディスクブレーキ、2系統式、ABS装着                                                   |
|                       | 駐車ブレーキ | 2・4・5軸 (6輪) 制動スプリング式                                                       |
|                       | 補助ブレーキ | 変速機内蔵インターダ、排気ブレーキ                                                          |
| タ イ ヤ                 |        | 385/95 R25 170F ROAD (全輪)                                                  |
| バ ッ テ リ               |        | 12V・140Ah × 2個 (24V)                                                       |
| 付 属 装 置               |        | エアコン、ラジオ、集中給油装置、<br>仮眠用ベッド、バックモニタ、イモビライザ、<br>シートヒーター、クルーズコントロール            |

# 走行

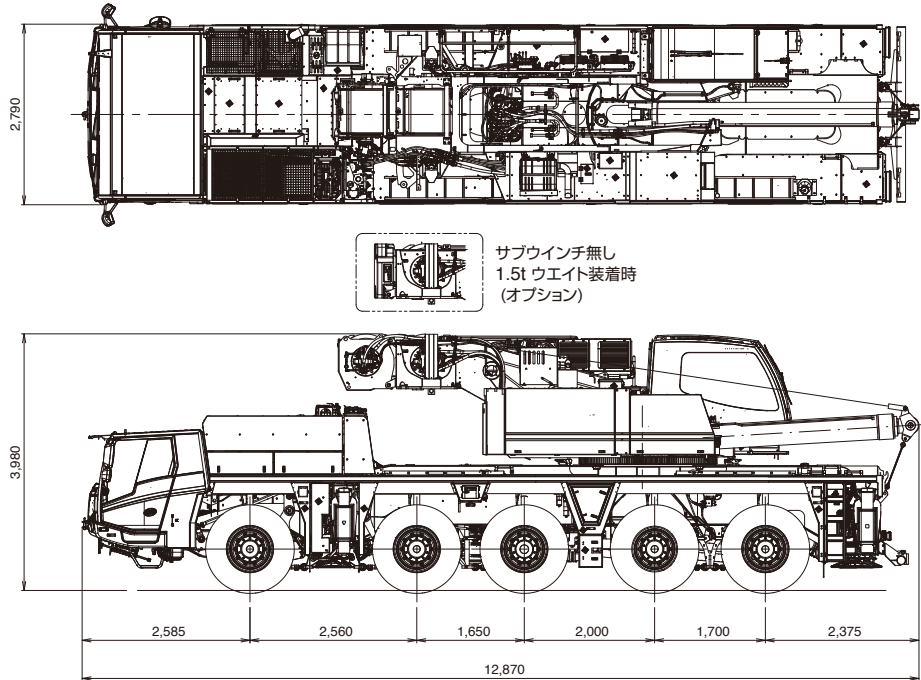
## ■ 公道走行状態

単位(mm)

● キャリヤ + 旋回体+起伏シリンダ 37.25 t

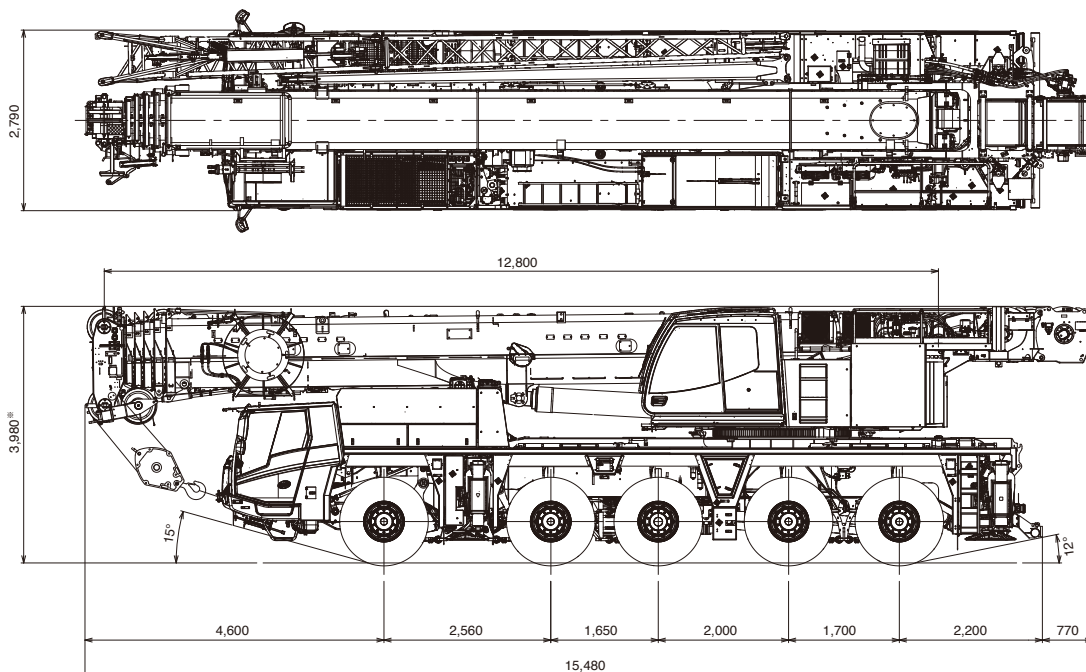
(公道走行時の注意事項)

1. ブームおよびカウンタウエイト装置を別送し、旋回体を後方向に向け、旋回ブレーキをかけピンロックした状態で走行しなければなりません。
2. 道路運送車両の保安基準による保安基準緩和の認定が必要です。
3. 道路法による特殊車両の通行許可が必要です。基本通行条件 重量: Cが記載された適合証明書を取得していますが、実際の通行経路で申請して許可された条件にしたがって走行しなければなりません。



## ■ 構内移動姿勢

単位(mm)



※+155mm、-120mm (サスペンション)

最低地上高：300mm

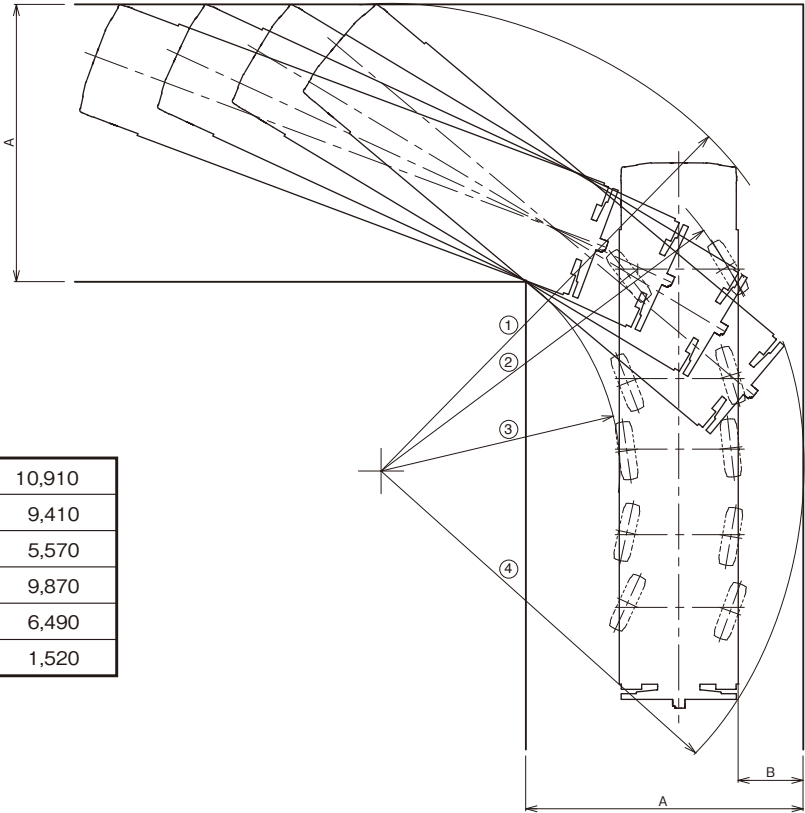
# 走 行

## ■ 最小直角通路幅

単位(mm)

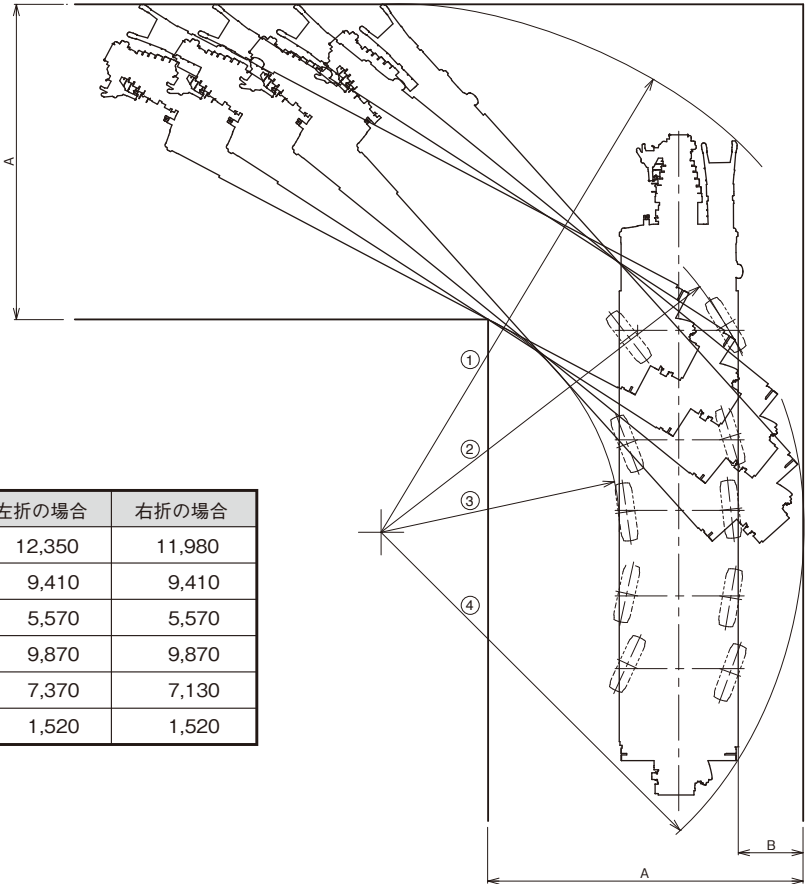
### ● 公道走行状態

|   |        |
|---|--------|
| ① | 10,910 |
| ② | 9,410  |
| ③ | 5,570  |
| ④ | 9,870  |
| A | 6,490  |
| B | 1,520  |



### ● 構内移動姿勢

|   | 左折の場合  | 右折の場合  |
|---|--------|--------|
| ① | 12,350 | 11,980 |
| ② | 9,410  | 9,410  |
| ③ | 5,570  | 5,570  |
| ④ | 9,870  | 9,870  |
| A | 7,370  | 7,130  |
| B | 1,520  | 1,520  |



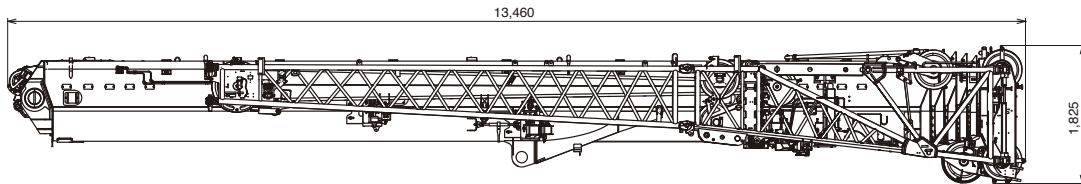


# 搬 送

## ■ 分解搬送部品

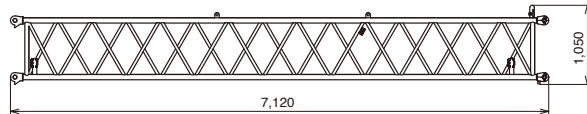
単位(mm)

- ブーム(15.2 t) + 油圧チルトジブ(HLJ 1.9 t) 17.1 t



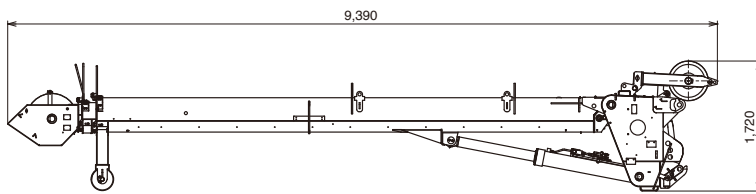
幅 2,370

- ミドルBジブ 0.48 t × 2個



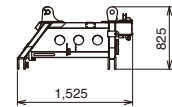
幅 665

- フルオートラフィングジブ(FLJ) 2.3 t



幅 1,090

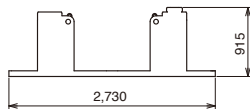
- アダプタ 0.3 t



幅 1,670

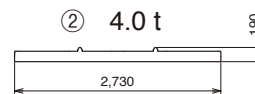
- カウンタウエイト(C/W)

- ① 3.1 t



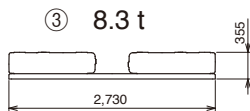
長さ 1,780

- ② 4.0 t



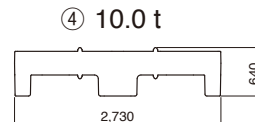
長さ 1,835

- ③ 8.3 t



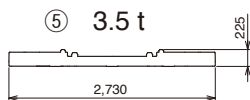
長さ 1,840

- ④ 10.0 t



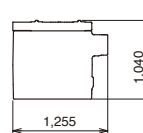
長さ 1,835

- ⑤ 3.5 t

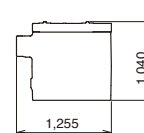


長さ 1,830

- ⑥ 6.0 t



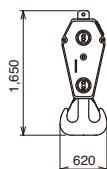
- ⑦ 6.0 t



長さ 1,275

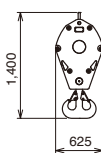
- フック

100tフック 1.12 t × 2個



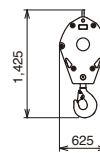
幅 700

60tフック 0.6 t



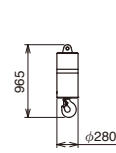
幅 355

26tフック 0.45 t



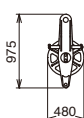
幅 235

8.7tフック 0.3 t



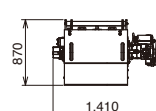
幅 280

- アタッチメントシーブ 0.11 t



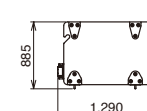
幅 325

- サブウインチ 1.5 t



長さ 875

- 1.5t ウェイト (オプション) 1.5 t

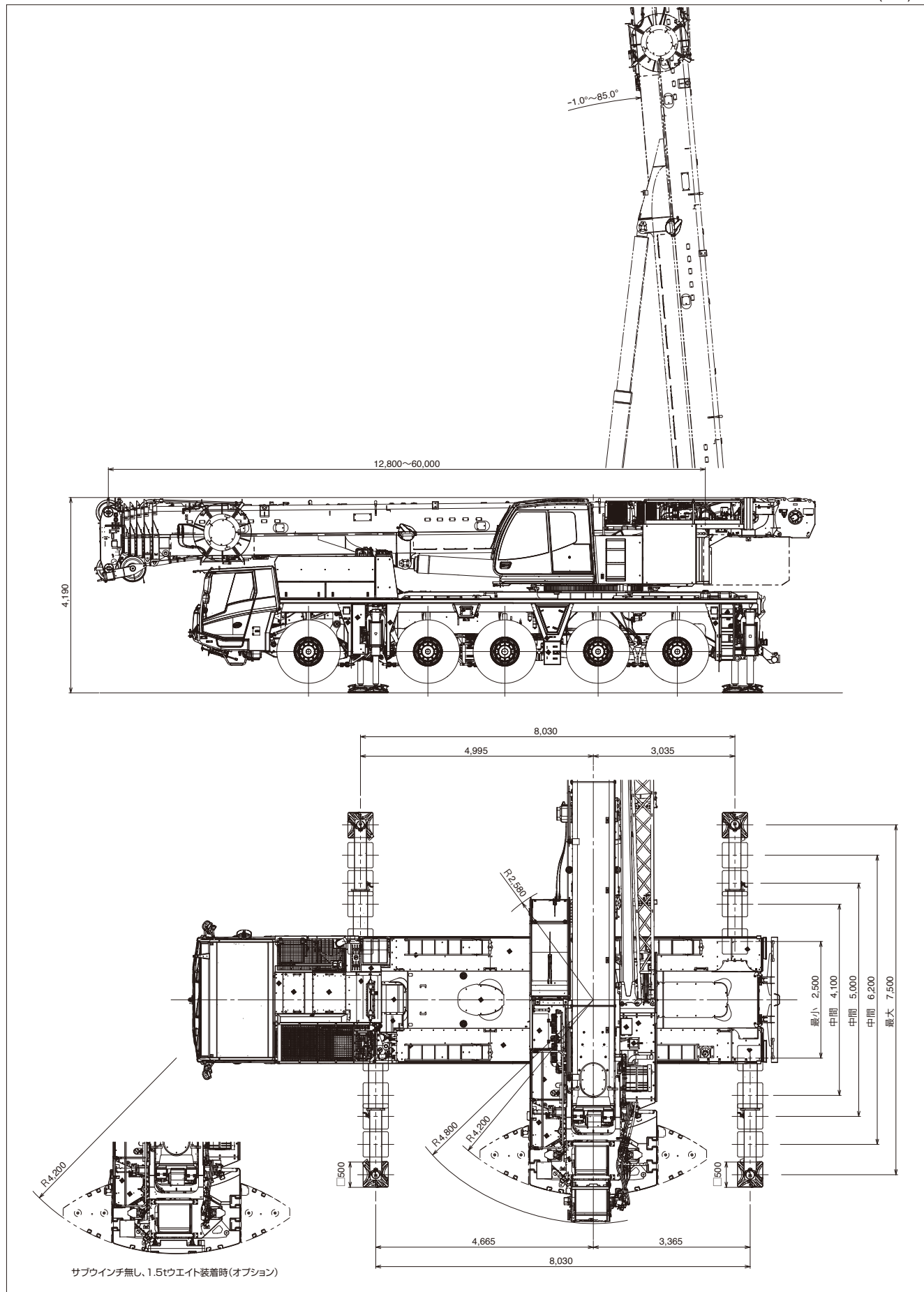


幅 310

# 設 置

## ■ アウトリガ張出幅・テールスイング

単位(mm)



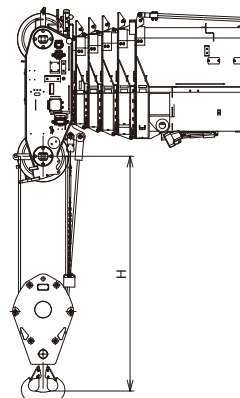
# 設 置

## ■ フック寸法

単位(mm)

H：ヘッドシーブ中心とハッカ上面の距離

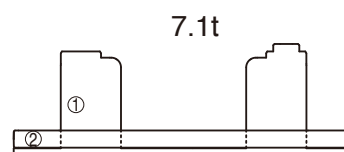
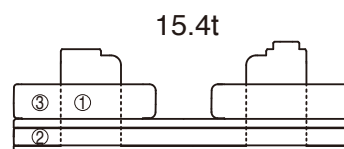
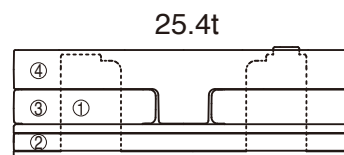
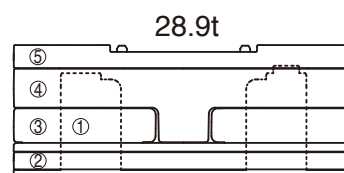
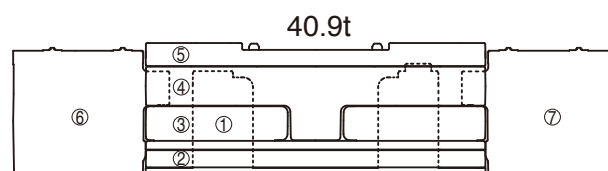
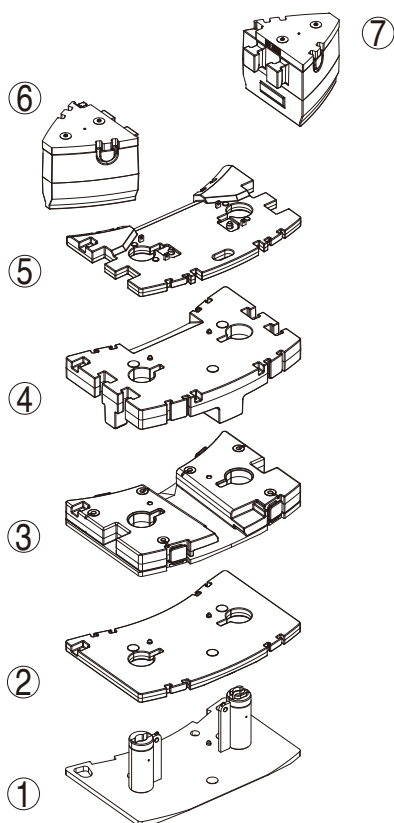
|               | 100tフック | 60tフック | 26tフック | 8.7tフック |
|---------------|---------|--------|--------|---------|
| ブーム           | 2.7m    | 2.5m   | 2.5m   |         |
| シングルトップ       |         |        |        | 2.5m    |
| 1.0m+2.8m HLJ |         | 2.6m   | 2.6m   |         |
| 1.0m+9.2m HLJ |         |        | 3.1m   | 3.1m    |
| 上記以外 HLJ      |         |        |        | 4.2m    |
| FLJ           |         |        |        | 3.4m    |



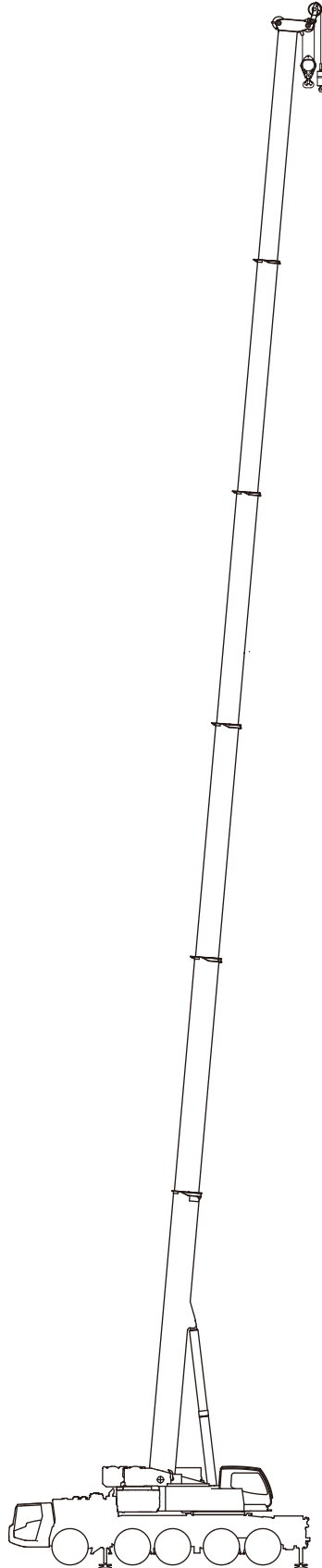
## ■ カウンタウエイト(C/W)組合せ

● 各ウエイトの使用個数を示す

| 合 計<br>重 量 | ウエイト<br>①<br>3.1t | ウエイト<br>②<br>4.0t | ウエイト<br>③<br>8.3t | ウエイト<br>④<br>10.0t | ウエイト<br>⑤<br>3.5t | ウエイト<br>⑥<br>6.0t | ウエイト<br>⑦<br>6.0t |
|------------|-------------------|-------------------|-------------------|--------------------|-------------------|-------------------|-------------------|
| 40.9 t     | 1                 | 1                 | 1                 | 1                  | 1                 | 1                 | 1                 |
| 28.9 t     | 1                 | 1                 | 1                 | 1                  | 1                 |                   |                   |
| 25.4 t     | 1                 | 1                 | 1                 | 1                  |                   |                   |                   |
| 15.4 t     | 1                 | 1                 | 1                 |                    |                   |                   |                   |
| 7.1 t      | 1                 | 1                 |                   |                    |                   |                   |                   |

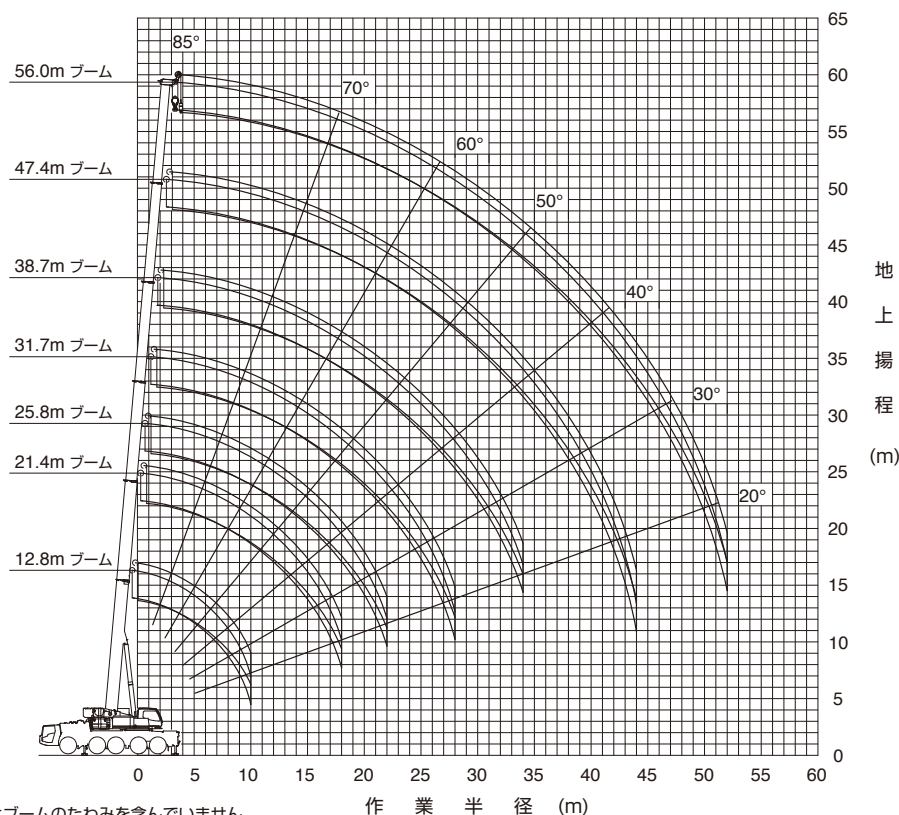


オールテレーンクレーン  
**ATF-140N-5.1**  
ブーム

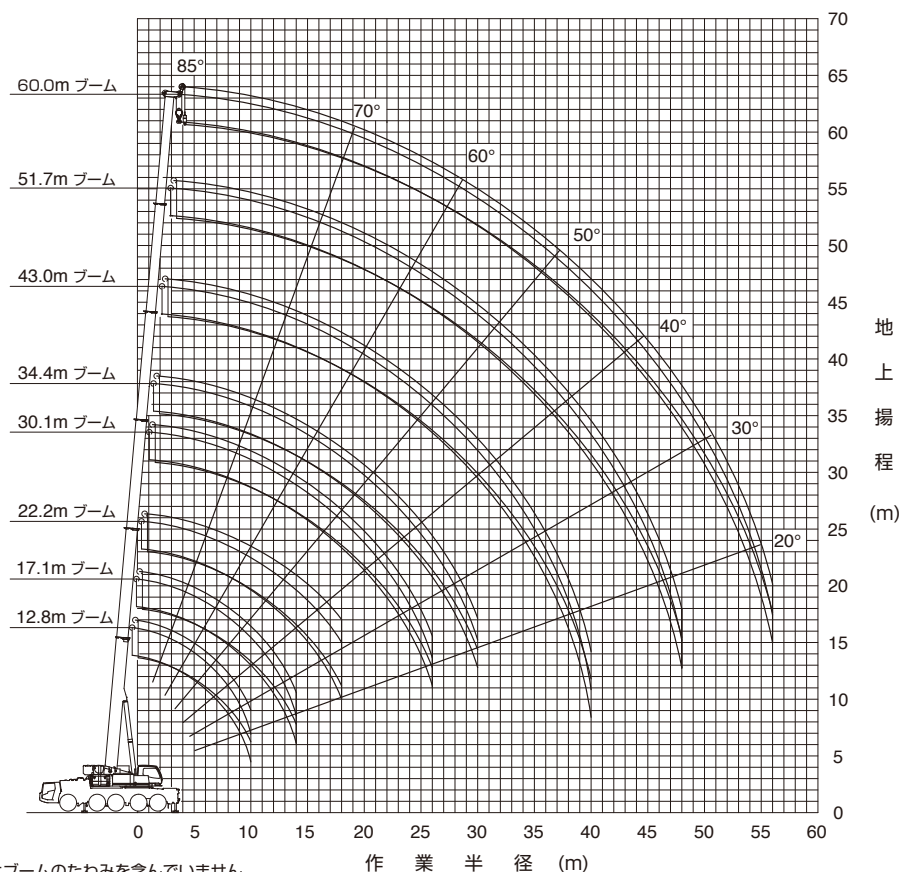




## ブーム作業半径－揚程図



(注意) 1. 上図はボームのたわみを含んでいません。  
2. カウンタウエイト40.9t、アウトリガ張出幅7.5m時の性能を図示しています。



(注意) 1. 上図はボームのたわみを含んでいません。  
2. カウンタウエイト40.9t、アウトリガ張出幅7.5m時の性能を図示しています。

## ブーム定格総荷重表

### ■ 定格総荷重表注意事項

◆性能設定のあるカウンタウエイトとアウトリガ張出幅の組合せを、下表に○印で示します。

本仕様書では、P12 P13 P14の定格総荷重表のみ記載しています。

また、各ブーム長さにおいて異なる伸縮状態の中から最大になる性能を抜粋し記載しています。

※同じブーム長さでも、ブームの伸長状態によって定格総荷重が異なります。

このため、アウトリガ張出幅・カウンタウエイト重量に応じた定格総荷重および他の詳細については、別冊の仕様書を参照してください。

| アウトリガ張出幅 \ カウンタウエイト | 40.9 t   | 28.9 t   | 25.4 t   | 15.4 t   | 7.1 t    | 0 t |
|---------------------|----------|----------|----------|----------|----------|-----|
| 7.5 m               | ○<br>P12 | ○<br>P12 | ○<br>P13 | ○<br>P13 | ○<br>P14 | ○   |
| 6.2 m               | ○        | ○        | ○        | ○        | ○        | ○   |
| 5.0 m               |          | ○        | ○        | ○        | ○        | ○   |
| 4.1 m               |          |          |          | ○        | ○        | ○   |
| 2.5 m               |          |          |          |          |          | ○   |

◆定格総荷重は、つり具質量とフック質量 (100tフック: 1,120kg、60tフック: 600kg、26tフック: 450kg、8.7tフック: 300kg) を含んだ値を示します。

◆定格総荷重は、ブームのたわみを含んだ実際の作業半径に基づいています。

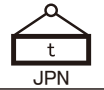
◆各状態ごとの標準巻掛本数は別冊の仕様書を参照してください。

◆シングルトップ使用時の巻掛本数は1本 (8.7tフック使用) で、定格総荷重はブームの定格総荷重からブームに取り付けられているフックの質量を差し引いた値とし、かつ上限は8.7tです。

◆定格総荷重はアウトリガを水平堅土上に設置したときの値です。

◆定格総荷重表は、風による影響を含んでいません。瞬間最大風速が10m/s以上の風速では、クレーン作業を中止してください。

#### 定格総荷重表中のシンボル、記号の説明

|                                                                                     |                          |
|-------------------------------------------------------------------------------------|--------------------------|
|  | ブームの定格総荷重を示します。          |
|  | カウンタウエイト (C/W) 組合せを示します。 |
|  | アウトリガ張出幅を示します。           |
|  | 吊上げ可能な旋回範囲を示します。         |
|  | 定格総荷重の単位を示します。           |
|  | ブーム長さを示します。              |
|  | 作業半径を示します。               |

# ブーム

ブーム



MB



40.9 t



8.0m x 7.5m



360°



JPN

|  m | ※12.8 | 12.8  | 17.1 | 21.4 | 25.8 | 30.1 | 34.4 | 38.7 | 43.0 | 47.4 | 51.7 | 56.0 | 60.0 | m    |
|-------------------------------------------------------------------------------------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                                                                     |       |       |      |      |      |      |      |      |      |      |      |      |      |      |
| 2.5                                                                                 | 140.0 | 114.3 |      |      |      |      |      |      |      |      |      |      |      | 2.5  |
| 3.0                                                                                 | 110.2 | 103.6 | 90.0 | 90.0 |      |      |      |      |      |      |      |      |      | 3.0  |
| 3.5                                                                                 | 99.6  | 94.6  | 90.0 | 90.0 | 70.0 |      |      |      |      |      |      |      |      | 3.5  |
| 4.0                                                                                 | 90.8  | 87.0  | 87.2 | 87.0 | 70.0 |      |      |      |      |      |      |      |      | 4.0  |
| 4.5                                                                                 | 83.3  | 80.4  | 80.6 | 80.4 | 70.0 | 54.3 |      |      |      |      |      |      |      | 4.5  |
| 5.0                                                                                 | 76.9  | 74.7  | 74.9 | 74.7 | 70.0 | 51.3 | 44.0 |      |      |      |      |      |      | 5.0  |
| 6.0                                                                                 | 66.5  | 64.8  | 65.1 | 64.8 | 65.5 | 50.0 | 42.3 | 32.8 |      |      |      |      |      | 6.0  |
| 7.0                                                                                 | 58.3  | 56.7  | 57.4 | 56.7 | 57.3 | 49.3 | 38.4 | 32.8 | 27.1 |      |      |      |      | 7.0  |
| 8.0                                                                                 | 51.8  | 49.8  | 50.7 | 50.8 | 50.6 | 46.0 | 38.0 | 32.8 | 27.1 | 21.4 |      |      |      | 8.0  |
| 9.0                                                                                 | 46.4  | 44.0  | 44.9 | 45.0 | 44.8 | 43.1 | 35.8 | 30.3 | 27.1 | 21.4 | 16.6 |      |      | 9.0  |
| 10.0                                                                                | 42.0  | 39.3  | 40.1 | 40.2 | 40.0 | 40.6 | 33.7 | 28.1 | 26.2 | 21.4 | 16.6 | 13.2 |      | 10.0 |
| 11.0                                                                                |       |       | 36.0 | 36.2 | 35.9 | 36.8 | 31.8 | 26.2 | 24.7 | 21.4 | 16.6 | 13.2 | 10.6 | 11.0 |
| 12.0                                                                                |       |       | 32.6 | 32.8 | 33.5 | 33.4 | 30.1 | 24.5 | 23.1 | 21.3 | 16.6 | 13.2 | 10.6 | 12.0 |
| 14.0                                                                                |       |       | 27.2 | 27.3 | 28.3 | 27.9 | 27.2 | 21.6 | 20.4 | 19.2 | 16.6 | 13.2 | 10.6 | 14.0 |
| 16.0                                                                                |       |       |      | 23.1 | 24.1 | 23.6 | 24.4 | 19.3 | 18.2 | 17.4 | 15.6 | 13.2 | 10.6 | 16.0 |
| 18.0                                                                                |       |       |      | 19.3 | 20.2 | 21.0 | 20.5 | 17.4 | 16.7 | 15.7 | 14.5 | 12.6 | 10.6 | 18.0 |
| 20.0                                                                                |       |       |      |      | 17.4 | 17.8 | 17.4 | 15.8 | 15.2 | 14.1 | 13.5 | 11.9 | 10.5 | 20.0 |
| 22.0                                                                                |       |       |      |      | 15.6 | 15.4 | 15.0 | 14.5 | 13.9 | 12.7 | 12.2 | 11.2 | 9.7  | 22.0 |
| 24.0                                                                                |       |       |      |      |      | 13.4 | 13.0 | 12.9 | 12.7 | 11.5 | 11.0 | 10.4 | 9.0  | 24.0 |
| 26.0                                                                                |       |       |      |      |      | 11.8 | 11.4 | 12.0 | 11.5 | 10.5 | 10.0 | 9.8  | 8.2  | 26.0 |
| 28.0                                                                                |       |       |      |      |      |      | 10.6 | 10.6 | 10.2 | 9.6  | 9.2  | 9.0  | 7.5  | 28.0 |
| 30.0                                                                                |       |       |      |      |      |      | 9.9  | 9.4  | 9.0  | 8.7  | 8.4  | 8.3  | 6.9  | 30.0 |
| 32.0                                                                                |       |       |      |      |      |      |      | 8.4  | 8.0  | 7.9  | 7.8  | 7.6  | 6.3  | 32.0 |
| 34.0                                                                                |       |       |      |      |      |      |      | 7.6  | 7.5  | 7.4  | 7.2  | 7.1  | 5.8  | 34.0 |
| 36.0                                                                                |       |       |      |      |      |      |      |      | 7.1  | 6.7  | 6.5  | 6.6  | 5.4  | 36.0 |
| 38.0                                                                                |       |       |      |      |      |      |      |      | 6.4  | 6.0  | 6.1  | 6.1  | 5.0  | 38.0 |
| 40.0                                                                                |       |       |      |      |      |      |      |      | 5.9  | 5.4  | 5.7  | 5.4  | 4.6  | 40.0 |
| 42.0                                                                                |       |       |      |      |      |      |      |      |      | 4.9  | 5.3  | 4.9  | 4.3  | 42.0 |
| 44.0                                                                                |       |       |      |      |      |      |      |      |      | 4.5  | 4.8  | 4.4  | 4.0  | 44.0 |
| 46.0                                                                                |       |       |      |      |      |      |      |      |      |      | 4.3  | 4.0  | 3.8  | 46.0 |
| 48.0                                                                                |       |       |      |      |      |      |      |      |      |      | 4.0  | 3.6  | 3.5  | 48.0 |
| 50.0                                                                                |       |       |      |      |      |      |      |      |      |      |      | 3.2  | 3.2  | 50.0 |
| 52.0                                                                                |       |       |      |      |      |      |      |      |      |      |      | 2.8  | 2.8  | 52.0 |
| 54.0                                                                                |       |       |      |      |      |      |      |      |      |      |      |      | 2.5  | 54.0 |
| 56.0                                                                                |       |       |      |      |      |      |      |      |      |      |      |      | 2.2  | 56.0 |

※は旋回位置が後方限定の性能を示しています。

※は旋回位置が後方限定の性能を示しています。

|  MB |  |  28.9 t |  |  8.0m x 7.5m |  |  360° |  |  JPN |  |
|----------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|
|----------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|

|  m | ※12.8 | 12.8  | 17.1 | 21.4 | 25.8 | 30.1 | 34.4 | 38.7 | 43.0 | 47.4 | 51.7 | 56.0 | 60.0 | m    |
|---------------------------------------------------------------------------------------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2.5                                                                                   | 120.4 | 113.2 |      |      |      |      |      |      |      |      |      |      |      | 2.5  |
| 3.0                                                                                   | 107.8 | 102.5 | 90.0 | 90.0 |      |      |      |      |      |      |      |      |      | 3.0  |
| 3.5                                                                                   | 97.5  | 93.6  | 90.0 | 90.0 | 70.0 |      |      |      |      |      |      |      |      | 3.5  |
| 4.0                                                                                   | 88.9  | 86.1  | 86.3 | 86.1 | 70.0 |      |      |      |      |      |      |      |      | 4.0  |
| 4.5                                                                                   | 81.5  | 79.4  | 79.7 | 79.5 | 70.0 | 54.3 |      |      |      |      |      |      |      | 4.5  |
| 5.0                                                                                   | 75.2  | 73.2  | 73.5 | 73.3 | 70.0 | 51.3 | 44.0 |      |      |      |      |      |      | 5.0  |
| 6.0                                                                                   | 65.0  | 62.8  | 63.7 | 62.8 | 63.6 | 50.0 | 42.3 | 32.8 |      |      |      |      |      | 6.0  |
| 7.0                                                                                   | 57.0  | 53.9  | 54.8 | 55.0 | 54.7 | 49.3 | 38.4 | 32.8 | 27.1 |      |      |      |      | 7.0  |
| 8.0                                                                                   | 50.6  | 47.0  | 47.8 | 48.0 | 47.7 | 46.0 | 38.0 | 32.8 | 27.1 | 21.4 |      |      |      | 8.0  |
| 9.0                                                                                   | 45.4  | 41.4  | 42.2 | 42.4 | 42.1 | 43.0 | 35.8 | 30.3 | 27.1 | 21.4 | 16.6 |      |      | 9.0  |
| 10.0                                                                                  | 39.3  | 36.7  | 37.5 | 37.7 | 37.7 | 38.3 | 33.7 | 28.1 | 26.2 | 21.4 | 16.6 | 13.2 |      | 10.0 |
| 11.0                                                                                  |       |       | 33.7 | 33.8 | 34.8 | 34.4 | 31.8 | 26.2 | 24.7 | 21.4 | 16.6 | 13.2 | 10.6 | 11.0 |
| 12.0                                                                                  |       |       | 29.6 | 29.8 | 31.0 | 30.5 | 30.1 | 24.5 | 23.1 | 21.3 | 16.6 | 13.2 | 10.6 | 12.0 |
| 14.0                                                                                  |       |       | 22.9 | 23.1 | 24.2 | 25.0 | 24.5 | 21.6 | 20.4 | 19.2 | 16.6 | 13.2 | 10.6 | 14.0 |
| 16.0                                                                                  |       |       |      | 19.9 | 20.4 | 20.3 | 19.8 | 19.3 | 18.2 | 17.4 | 15.6 | 13.2 | 10.6 | 16.0 |
| 18.0                                                                                  |       |       |      | 16.7 | 17.0 | 16.8 | 16.4 | 16.0 | 16.6 | 15.7 | 14.5 | 12.6 | 10.6 | 18.0 |
| 20.0                                                                                  |       |       |      |      | 14.4 | 14.2 | 13.8 | 14.4 | 14.0 | 13.6 | 13.5 | 11.9 | 10.5 | 20.0 |
| 22.0                                                                                  |       |       |      |      | 12.3 | 12.1 | 12.6 | 12.3 | 11.8 | 11.8 | 11.9 | 11.2 | 9.7  | 22.0 |
| 24.0                                                                                  |       |       |      |      |      | 10.4 | 11.0 | 10.5 | 10.6 | 10.5 | 10.2 | 10.4 | 9.0  | 24.0 |
| 26.0                                                                                  |       |       |      |      |      | 9.0  | 9.6  | 9.1  | 9.5  | 9.1  | 9.4  | 9.1  | 8.2  | 26.0 |
| 28.0                                                                                  |       |       |      |      |      |      | 8.4  | 8.0  | 8.3  | 7.9  | 8.3  | 7.9  | 7.5  | 28.0 |
| 30.0                                                                                  |       |       |      |      |      |      | 7.5  | 7.0  | 7.3  | 7.3  | 7.3  | 6.9  | 6.9  | 30.0 |
| 32.0                                                                                  |       |       |      |      |      |      |      | 6.2  | 6.6  | 6.7  | 6.5  | 6.1  | 6.1  | 32.0 |
| 34.0                                                                                  |       |       |      |      |      |      |      | 5.4  | 6.2  | 6.0  | 5.7  | 5.4  | 5.4  | 34.0 |
| 36.0                                                                                  |       |       |      |      |      |      |      |      | 5.5  | 5.3  | 5.1  | 4.7  | 4.7  | 36.0 |
| 38.0                                                                                  |       |       |      |      |      |      |      |      | 5.0  | 4.7  | 4.5  | 4.1  | 4.2  | 38.0 |
| 40.0                                                                                  |       |       |      |      |      |      |      |      | 4.5  | 4.2  | 4.0  | 3.6  | 3.6  | 40.0 |
| 42.0                                                                                  |       |       |      |      |      |      |      |      |      | 3.8  | 3.5  | 3.2  | 3.2  | 42.0 |
| 44.0                                                                                  |       |       |      |      |      |      |      |      |      | 3.4  | 3.1  | 2.8  | 2.8  | 44.0 |
| 46.0                                                                                  |       |       |      |      |      |      |      |      |      |      | 2.8  | 2.4  | 2.4  | 46.0 |
| 48.0                                                                                  |       |       |      |      |      |      |      |      |      |      | 2.4  | 2.0  | 2.0  | 48.0 |
| 50.0                                                                                  |       |       |      |      |      |      |      |      |      |      |      | 1.7  | 1.7  | 50.0 |
| 52.0                                                                                  |       |       |      |      |      |      |      |      |      |      |      | 1.4  | 1.4  | 52.0 |
| 54.0                                                                                  |       |       |      |      |      |      |      |      |      |      |      |      | 1.1  | 54.0 |

※は旋回位置が後方限定の性能を示しています。

# ブーム

ブーム

|                                                                                         |  |                                                                                             |                                                                                                  |                                                                                           |                                                                                          |
|-----------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>MB |  | <br>25.4 t | <br>8.0m x 7.5m | <br>360° | <br>JPN |
|-----------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

|  | m    | ※12.8 | 12.8  | 17.1 | 21.4 | 25.8 | 30.1 | 34.4 | 38.7 | 43.0 | 47.4 | 51.7 | 56.0 | 60.0 | m    |
|-----------------------------------------------------------------------------------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                                                                   | 2.5  | 119.7 | 112.8 |      |      |      |      |      |      |      |      |      |      |      | 2.5  |
|                                                                                   | 3.0  | 107.2 | 102.2 | 90.0 | 90.0 |      |      |      |      |      |      |      |      |      | 3.0  |
|                                                                                   | 3.5  | 96.9  | 93.4  | 90.0 | 90.0 | 70.0 |      |      |      |      |      |      |      |      | 3.5  |
|                                                                                   | 4.0  | 88.3  | 85.8  | 86.0 | 85.9 | 70.0 |      |      |      |      |      |      |      |      | 4.0  |
|                                                                                   | 4.5  | 81.0  | 78.8  | 79.1 | 78.9 | 70.0 | 54.3 |      |      |      |      |      |      |      | 4.5  |
|                                                                                   | 5.0  | 74.7  | 72.6  | 72.9 | 72.7 | 70.0 | 51.3 | 44.0 |      |      |      |      |      |      | 5.0  |
|                                                                                   | 6.0  | 64.6  | 61.8  | 62.7 | 61.8 | 62.6 | 50.0 | 42.3 | 32.8 |      |      |      |      |      | 6.0  |
|                                                                                   | 7.0  | 56.6  | 53.0  | 53.9 | 54.1 | 53.8 | 49.3 | 38.4 | 32.8 | 27.1 |      |      |      |      | 7.0  |
|                                                                                   | 8.0  | 50.3  | 46.1  | 47.0 | 47.1 | 46.9 | 46.0 | 38.0 | 32.8 | 27.1 | 21.4 |      |      |      | 8.0  |
|                                                                                   | 9.0  | 44.2  | 40.5  | 41.4 | 41.5 | 41.3 | 42.1 | 35.8 | 30.3 | 27.1 | 21.4 | 16.6 |      |      | 9.0  |
|                                                                                   | 10.0 | 36.6  | 35.9  | 36.8 | 36.9 | 37.7 | 37.5 | 33.7 | 28.1 | 26.2 | 21.4 | 16.6 | 13.2 |      | 10.0 |
|                                                                                   | 11.0 |       |       | 32.0 | 32.2 | 33.4 | 32.9 | 31.8 | 26.2 | 24.7 | 21.4 | 16.6 | 13.2 | 10.6 | 11.0 |
|                                                                                   | 12.0 |       |       | 27.6 | 27.8 | 29.0 | 28.5 | 29.4 | 24.5 | 23.1 | 21.3 | 16.6 | 13.2 | 10.6 | 12.0 |
|                                                                                   | 14.0 |       |       | 22.2 | 21.9 | 23.0 | 23.3 | 22.9 | 21.6 | 20.4 | 19.2 | 16.6 | 13.2 | 10.6 | 14.0 |
|                                                                                   | 16.0 |       |       |      | 18.8 | 19.0 | 18.9 | 18.4 | 18.0 | 18.0 | 17.4 | 15.6 | 13.2 | 10.6 | 16.0 |
|                                                                                   | 18.0 |       |       |      | 15.5 | 15.7 | 15.6 | 15.1 | 15.8 | 15.3 | 15.0 | 14.5 | 12.6 | 10.6 | 18.0 |
|                                                                                   | 20.0 |       |       |      |      | 13.2 | 13.0 | 13.6 | 13.2 | 12.8 | 12.8 | 12.8 | 11.9 | 10.5 | 20.0 |
|                                                                                   | 22.0 |       |       |      |      | 11.2 | 11.0 | 11.7 | 11.2 | 11.3 | 11.1 | 10.8 | 11.2 | 9.7  | 22.0 |
|                                                                                   | 24.0 |       |       |      |      |      | 9.4  | 10.1 | 9.6  | 9.9  | 9.5  | 10.0 | 9.6  | 9.0  | 24.0 |
|                                                                                   | 26.0 |       |       |      |      |      | 8.2  | 8.7  | 8.3  | 8.6  | 8.6  | 8.6  | 8.3  | 8.2  | 26.0 |
|                                                                                   | 28.0 |       |       |      |      |      |      | 7.6  | 7.2  | 7.6  | 7.8  | 7.5  | 7.1  | 7.2  | 28.0 |
|                                                                                   | 30.0 |       |       |      |      |      |      | 6.8  | 6.3  | 7.0  | 6.8  | 6.6  | 6.2  | 6.2  | 30.0 |
|                                                                                   | 32.0 |       |       |      |      |      |      |      | 5.8  | 6.2  | 6.0  | 5.8  | 5.4  | 5.4  | 32.0 |
|                                                                                   | 34.0 |       |       |      |      |      |      |      | 5.4  | 5.5  | 5.3  | 5.1  | 4.7  | 4.7  | 34.0 |
|                                                                                   | 36.0 |       |       |      |      |      |      |      |      | 4.9  | 4.7  | 4.5  | 4.1  | 4.1  | 36.0 |
|                                                                                   | 38.0 |       |       |      |      |      |      |      |      | 4.4  | 4.2  | 3.9  | 3.6  | 3.6  | 38.0 |
|                                                                                   | 40.0 |       |       |      |      |      |      |      |      | 3.9  | 3.7  | 3.5  | 3.1  | 3.1  | 40.0 |
|                                                                                   | 42.0 |       |       |      |      |      |      |      |      |      | 3.3  | 3.0  | 2.7  | 2.7  | 42.0 |
|                                                                                   | 44.0 |       |       |      |      |      |      |      |      |      | 2.9  | 2.7  | 2.3  | 2.3  | 44.0 |
|                                                                                   | 46.0 |       |       |      |      |      |      |      |      |      |      | 2.3  | 1.9  | 1.9  | 46.0 |
|                                                                                   | 48.0 |       |       |      |      |      |      |      |      |      |      | 2.0  | 1.6  | 1.6  | 48.0 |
|                                                                                   | 50.0 |       |       |      |      |      |      |      |      |      |      |      | 1.3  | 1.3  | 50.0 |
|                                                                                   | 52.0 |       |       |      |      |      |      |      |      |      |      |      | 1.0  | 1.0  | 52.0 |

※は旋回位置が後方限定の性能を示しています。

|                                                                                           |  |                                                                                               |                                                                                                    |                                                                                             |                                                                                            |
|-------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <br>MB |  | <br>15.4 t | <br>8.0m x 7.5m | <br>360° | <br>JPN |
|-------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|

|  | m    | ※12.8 | 12.8  | 17.1 | 21.4 | 25.8 | 30.1 | 34.4 | 38.7 | 43.0 | 47.4 | 51.7 | 56.0 | 60.0 | m    |
|-------------------------------------------------------------------------------------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                                                                     | 2.5  | 117.5 | 111.9 |      |      |      |      |      |      |      |      |      |      |      | 2.5  |
|                                                                                     | 3.0  | 105.2 | 101.3 | 90.0 | 90.0 |      |      |      |      |      |      |      |      |      | 3.0  |
|                                                                                     | 3.5  | 95.1  | 92.4  | 90.0 | 90.0 | 70.0 |      |      |      |      |      |      |      |      | 3.5  |
|                                                                                     | 4.0  | 86.7  | 84.1  | 84.4 | 84.2 | 70.0 |      |      |      |      |      |      |      |      | 4.0  |
|                                                                                     | 4.5  | 79.5  | 76.9  | 77.2 | 77.0 | 70.0 | 54.3 |      |      |      |      |      |      |      | 4.5  |
|                                                                                     | 5.0  | 73.4  | 69.9  | 70.6 | 70.0 | 70.0 | 51.3 | 44.0 |      |      |      |      |      |      | 5.0  |
|                                                                                     | 6.0  | 63.3  | 58.7  | 59.6 | 59.8 | 59.5 | 50.0 | 42.3 | 32.8 |      |      |      |      |      | 6.0  |
|                                                                                     | 7.0  | 55.5  | 50.1  | 51.0 | 51.2 | 50.9 | 49.3 | 38.4 | 32.8 | 27.1 |      |      |      |      | 7.0  |
|                                                                                     | 8.0  | 44.3  | 43.3  | 44.2 | 44.4 | 44.1 | 45.0 | 38.0 | 32.8 | 27.1 | 21.4 |      |      |      | 8.0  |
|                                                                                     | 9.0  | 35.4  | 35.4  | 36.6 | 36.8 | 38.2 | 37.7 | 35.8 | 30.3 | 27.1 | 21.4 | 16.6 |      |      | 9.0  |
|                                                                                     | 10.0 | 29.2  | 29.2  | 30.2 | 30.4 | 31.7 | 32.0 | 32.2 | 28.1 | 26.2 | 21.4 | 16.6 | 13.2 |      | 10.0 |
|                                                                                     | 11.0 |       |       | 25.5 | 26.1 | 27.6 | 27.8 | 27.4 | 26.2 | 24.7 | 21.4 | 16.6 | 13.2 | 10.6 | 11.0 |
|                                                                                     | 12.0 |       |       | 22.8 | 23.9 | 24.2 | 24.0 | 23.5 | 23.0 | 23.0 | 21.3 | 16.6 | 13.2 | 10.6 | 12.0 |
|                                                                                     | 14.0 |       |       | 17.1 | 18.2 | 18.5 | 18.3 | 17.8 | 18.6 | 18.1 | 17.7 | 16.6 | 13.2 | 10.6 | 14.0 |
|                                                                                     | 16.0 |       |       |      | 14.3 | 14.6 | 14.5 | 15.2 | 14.7 | 14.4 | 14.6 | 14.3 | 13.2 | 10.6 | 16.0 |
|                                                                                     | 18.0 |       |       |      | 11.6 | 12.1 | 11.7 | 12.4 | 11.9 | 12.3 | 12.1 | 12.3 | 11.9 | 10.6 | 18.0 |
|                                                                                     | 20.0 |       |       |      |      | 10.4 | 9.6  | 10.3 | 9.8  | 10.5 | 10.5 | 10.2 | 9.8  | 9.8  | 20.0 |
|                                                                                     | 22.0 |       |       |      |      | 8.7  | 8.0  | 9.2  | 8.8  | 9.0  | 8.8  | 8.6  | 8.2  | 8.2  | 22.0 |
|                                                                                     | 24.0 |       |       |      |      |      | 7.2  | 7.9  | 7.7  | 7.7  | 7.5  | 7.2  | 6.8  | 6.9  | 24.0 |
|                                                                                     | 26.0 |       |       |      |      |      | 6.5  | 6.8  | 6.7  | 6.6  | 6.4  | 6.2  | 5.8  | 5.8  | 26.0 |
|                                                                                     | 28.0 |       |       |      |      |      |      | 5.9  | 5.7  | 5.7  | 5.5  | 5.3  | 4.9  | 4.9  | 28.0 |
|                                                                                     | 30.0 |       |       |      |      |      |      | 5.1  | 5.0  | 4.9  | 4.7  | 4.5  | 4.1  | 4.1  | 30.0 |
|                                                                                     | 32.0 |       |       |      |      |      |      |      | 4.3  | 4.3  | 4.1  | 3.8  | 3.5  | 3.5  | 32.0 |
|                                                                                     | 34.0 |       |       |      |      |      |      |      | 3.8  | 3.7  | 3.5  | 3.3  | 2.9  | 2.9  | 34.0 |
|                                                                                     | 36.0 |       |       |      |      |      |      |      |      | 3.2  | 3.0  | 2.8  | 2.3  | 2.4  | 36.0 |
|                                                                                     | 38.0 |       |       |      |      |      |      |      |      | 2.8  | 2.5  | 2.3  | 1.8  | 1.8  | 38.0 |
|                                                                                     | 40.0 |       |       |      |      |      |      |      |      | 2.4  | 2.1  | 1.8  | 1.4  | 1.4  | 40.0 |
|                                                                                     | 42.0 |       |       |      |      |      |      |      |      |      | 1.7  | 1.4  | 1.0  | 1.0  | 42.0 |
|                                                                                     | 44.0 |       |       |      |      |      |      |      |      |      | 1.3  | 1.1  |      |      | 44.0 |

※は旋回位置が後方限定の性能を示しています。

# ブーム

ブーム

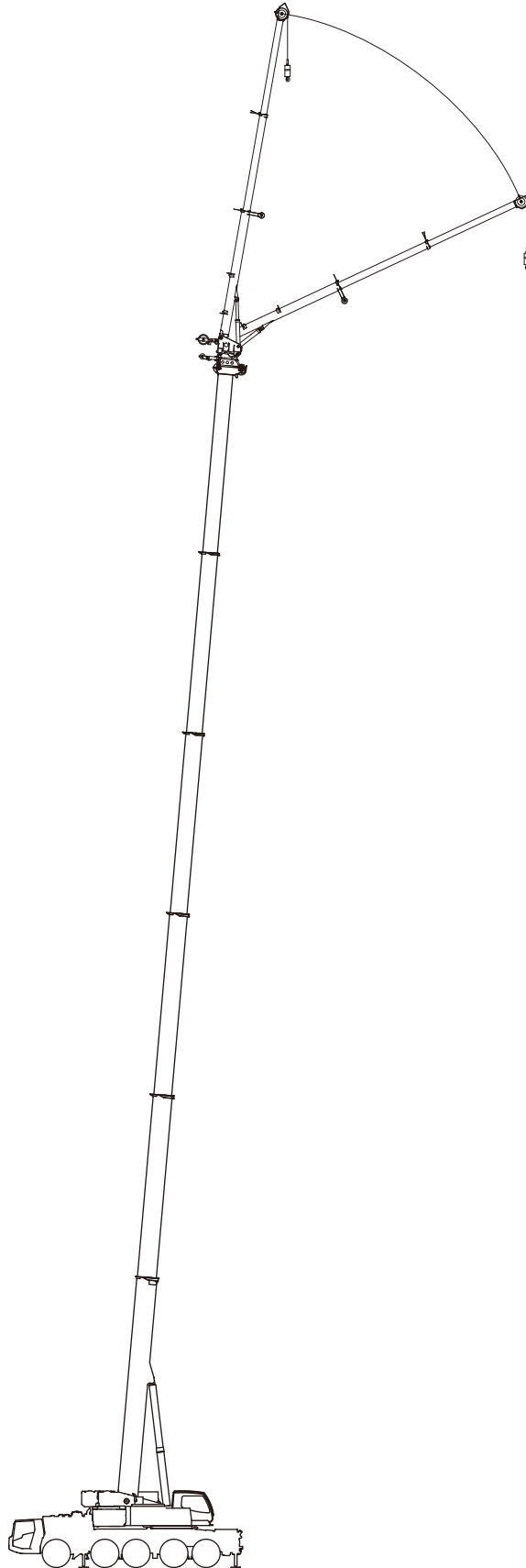
|                                                                                      |  |                                                                                         |                                                                                               |                                                                                      |                                                                                       |
|--------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  MB |  |  7.1 t |  8.0m x 7.5m |  0° |  JPN |
|--------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  m | ※12.8 | 12.8  | 17.1  | 21.4 | 25.8 | 30.1 | 34.4 | 38.7 | 43.0 | 47.4 | 51.7 | 56.0 | 60.0 | m    |
|-------------------------------------------------------------------------------------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
|                                                                                     |       |       |       |      |      |      |      |      |      |      |      |      |      |      |
|  m | 2.5   | 115.8 | 111.1 |      |      |      |      |      |      |      |      |      |      | 2.5  |
|                                                                                     | 3.0   | 103.7 | 100.5 | 90.0 | 90.0 |      |      |      |      |      |      |      |      | 3.0  |
|                                                                                     | 3.5   | 93.7  | 90.8  | 90.0 | 90.0 | 70.0 |      |      |      |      |      |      |      | 3.5  |
|                                                                                     | 4.0   | 85.4  | 82.0  | 82.4 | 82.1 | 70.0 |      |      |      |      |      |      |      | 4.0  |
|                                                                                     | 4.5   | 78.3  | 73.9  | 74.5 | 74.0 | 70.0 | 54.3 |      |      |      |      |      |      | 4.5  |
|                                                                                     | 5.0   | 72.3  | 67.0  | 68.0 | 67.6 | 67.9 | 51.3 | 44.0 |      |      |      |      |      | 5.0  |
|                                                                                     | 6.0   | 62.4  | 56.0  | 56.9 | 57.1 | 56.8 | 50.0 | 42.3 | 32.8 |      |      |      |      | 6.0  |
|                                                                                     | 7.0   | 47.2  | 47.2  | 48.4 | 48.6 | 48.3 | 49.3 | 38.4 | 32.8 | 27.1 |      |      |      | 7.0  |
|                                                                                     | 8.0   | 35.8  | 35.8  | 37.1 | 37.4 | 38.9 | 38.3 | 38.0 | 32.8 | 27.1 | 21.4 |      |      | 8.0  |
|                                                                                     | 9.0   | 28.4  | 28.1  | 29.4 | 30.2 | 31.7 | 32.2 | 31.7 | 30.3 | 27.1 | 21.4 | 16.6 |      | 9.0  |
|                                                                                     | 10.0  | 23.2  | 22.5  | 24.9 | 26.2 | 26.6 | 26.3 | 25.8 | 25.2 | 25.2 | 21.4 | 16.6 | 13.2 | 10.0 |
|                                                                                     | 11.0  |       |       | 20.7 | 21.8 | 22.2 | 22.0 | 21.4 | 21.9 | 21.7 | 21.3 | 16.6 | 13.2 | 10.6 |
|                                                                                     | 12.0  |       |       | 17.4 | 18.5 | 18.9 | 18.7 | 19.5 | 18.9 | 18.4 | 18.4 | 16.6 | 13.2 | 10.6 |
|                                                                                     | 14.0  |       |       | 12.8 | 13.9 | 14.8 | 14.0 | 14.8 | 14.2 | 14.7 | 14.7 | 14.3 | 13.2 | 10.6 |
|                                                                                     | 16.0  |       |       |      | 10.8 | 11.7 | 10.9 | 12.2 | 11.8 | 12.0 | 11.8 | 11.5 | 11.1 | 10.6 |
|                                                                                     | 18.0  |       |       |      | 8.3  | 9.4  | 9.6  | 9.9  | 9.8  | 9.7  | 9.5  | 9.2  | 8.8  | 8.8  |
|                                                                                     | 20.0  |       |       |      |      | 7.0  | 7.3  | 7.8  | 7.6  | 7.5  | 7.2  | 6.8  | 6.2  | 6.2  |
|                                                                                     | 22.0  |       |       |      |      | 5.2  | 5.5  | 5.9  | 5.7  | 5.6  | 5.3  | 5.0  | 4.4  | 4.4  |
|                                                                                     | 24.0  |       |       |      |      |      | 4.1  | 4.5  | 4.3  | 4.2  | 4.0  | 3.6  | 3.1  | 3.1  |
|                                                                                     | 26.0  |       |       |      |      |      | 3.1  | 3.4  | 3.3  | 3.2  | 2.9  | 2.6  | 2.1  | 2.1  |
|                                                                                     | 28.0  |       |       |      |      |      |      | 2.6  | 2.5  | 2.4  | 2.1  | 1.8  | 1.3  | 1.4  |
|                                                                                     | 30.0  |       |       |      |      |      |      | 2.0  | 1.8  | 1.7  | 1.5  | 1.2  |      | 30.0 |
|                                                                                     | 32.0  |       |       |      |      |      |      |      | 1.3  | 1.2  |      |      |      | 32.0 |

※は旋回位置が後方限定の性能を示しています。

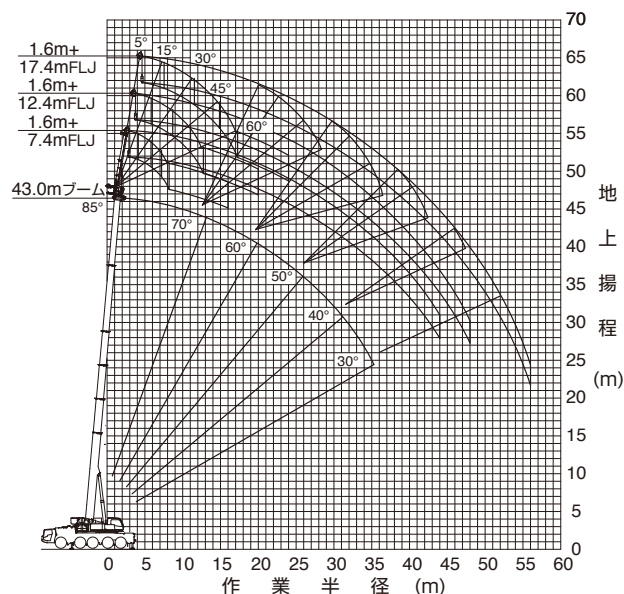


オールテレーンクレーン  
**ATF-140N-5.1**  
フルオートラフティングジブ



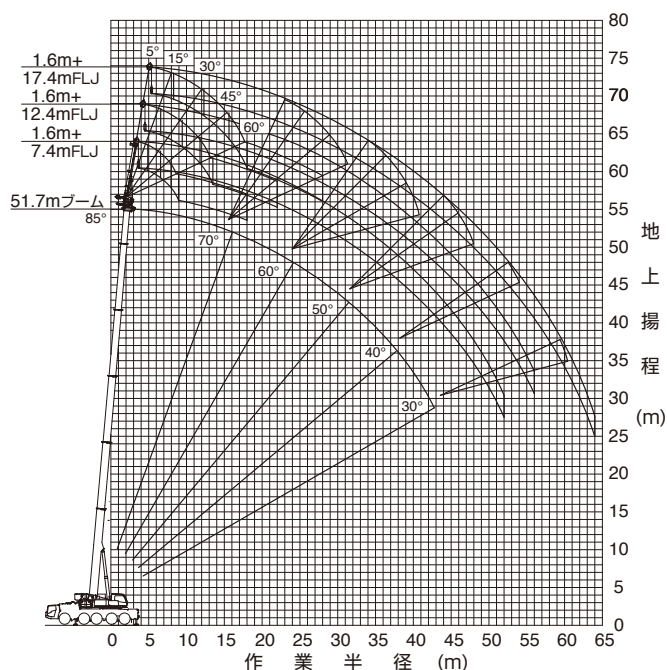
## ブーム+フルオートラフィングジブ(FLJ)作業半径－揚程図

43.0mブーム+フルオートラフィングジブ



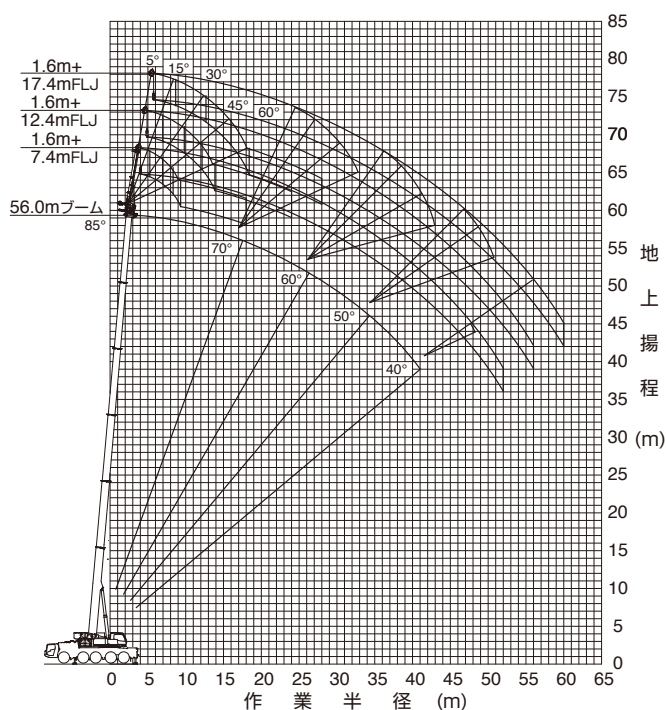
- (注意) 1. 上図はブームおよびジブのたわみを含んでいません。  
2. カウンタウエイト40.9t、アウトリガ張出幅7.5m時の性能を図示しています。

51.7mブーム+フルオートラフィングジブ



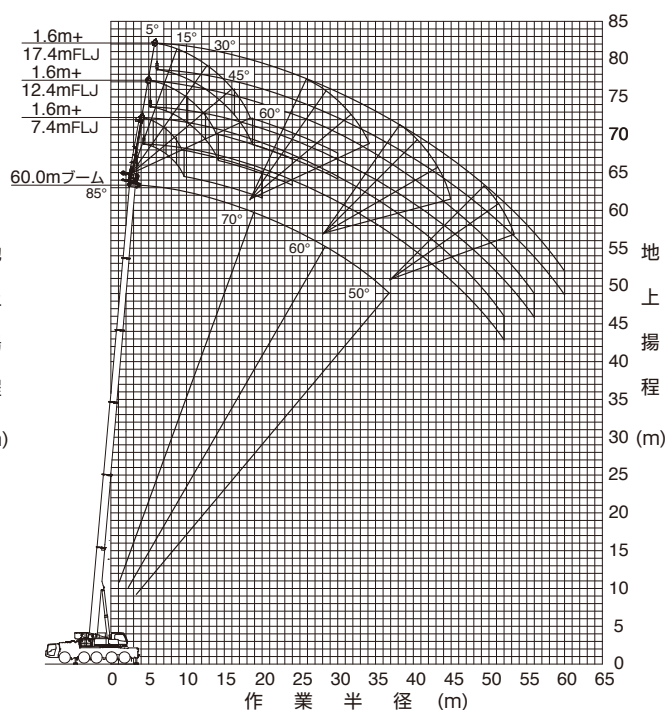
- (注意) 1. 上図はブームおよびジブのたわみを含んでいません。  
2. カウンタウエイト40.9t、アウトリガ張出幅7.5m時の性能を図示しています。

56.0mブーム+フルオートラフィングジブ



- (注意) 1. 上図はブームおよびジブのたわみを含んでいません。  
2. カウンタウエイト40.9t、アウトリガ張出幅7.5m時の性能を図示しています。

60.0mブーム+フルオートラフィングジブ



- (注意) 1. 上図はブームおよびジブのたわみを含んでいません。  
2. カウンタウエイト40.9t、アウトリガ張出幅7.5m時の性能を図示しています。

ブーム+フルオートラフティングジブ(FLJ) 定格総荷重表

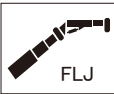
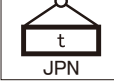
■ 定格総荷重表注意事項

- ◆性能設定のあるカウンタウエイトとアウトリガ張出幅の組合せを、下表に○印で示します。  
本仕様書では、の定格総荷重表のみ記載しています。  
また、各ブーム長さにおいて異なる伸縮状態の中から最大になる性能を抜粋し記載しています。  
※同じブーム長さでも、ブームの伸長状態によって定格総荷重が異なります。  
このため、アウトリガ張出幅・カウンタウエイト重量に応じた定格総荷重および他の詳細については、別冊の仕様書を参照してください。

| アウトリガ張出幅 | カウンタウエイト     | 40.9 t       | 28.9 t   | 25.4 t   | 15.4 t   | 7.1 t        |
|----------|--------------|--------------|----------|----------|----------|--------------|
| 7.5 m    | <div> </div> | ○<br>P18     | ○<br>P19 | ○<br>P20 | ○<br>P21 | ○<br>P22     |
| 6.2 m    | <div> </div> | ○            | ○        | ○        | ○        | <div> </div> |
| 5.0 m    | <div> </div> | <div> </div> | ○        | ○        | ○        | <div> </div> |

- ◆定格総荷重は、ブームとジブのたわみを含んだ実際の作業半径に基づいています。
- ◆各状態ごとの標準巻掛本数は別冊の仕様書を参照してください。
- ◆定格総荷重はアウトリガを水平堅土上に設置したときの値です。
- ◆定格総荷重表は、風による影響を含んでいません。瞬間最大風速が10m／s以上の風速では、クレーン作業を中止してください。

定格総荷重表中のシンボル、記号の説明

|                                                                                     |                                  |                                                                                     |                                         |
|-------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------|
|  | フルオートラフティングジブ (FLJ) の定格総荷重を示します。 |  | ブーム長さを示します。                             |
|  | フルオートラフティングジブ (FLJ) のジブ長さを示します。  |  | ジブのオフセット角度を示し、ブームの中心線とジブの中心線のなす角度を示します。 |
|  | カウンタウエイト (C/W) 組合せを示します。         |  | 作業半径を示します。                              |
|  | アウトリガ張出幅を示します。                   |                                                                                     |                                         |
|  | 吊上げ可能な旋回範囲を示します。                 |                                                                                     |                                         |
|  | 定格総荷重の単位を示します。                   |                                                                                     |                                         |

# フルオートラフィングジブ



|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| FLJ                                                                               | 1.6m + 7.4m                                                                       | 40.9 t                                                                            | 8.0m x 7.5m                                                                       | 360°                                                                              | JPN                                                                               |

|  | m    | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | m   |      |      |
|-----------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|
|  | °    | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | °   |      |      |
|  | 8.0  | 7.3  | 7.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     | 8.0  |      |
|                                                                                   | 9.0  | 7.3  | 7.3  | 7.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     | 9.0  |      |
|                                                                                   | 10.0 | 7.3  | 7.3  | 7.3  |      |      | 7.3  | 7.3  |      |      |      |      |      | 6.3  |      |      |      |      |      |      |      |     | 10.0 |      |
|                                                                                   | 11.0 | 7.3  | 7.3  | 7.3  | 6.1  | 4.5  | 7.3  | 7.3  | 7.3  |      |      | 6.3  | 6.3  |      |      |      |      |      | 5.3  |      |      |     | 11.0 |      |
|                                                                                   | 12.0 | 7.3  | 7.3  | 7.3  | 6.0  | 4.5  | 7.3  | 7.3  | 7.3  |      |      | 6.3  | 6.3  | 6.3  |      |      |      |      | 5.3  | 5.3  |      |     | 12.0 |      |
|                                                                                   | 14.0 | 7.3  | 7.3  | 7.3  | 5.8  | 4.4  | 7.3  | 7.3  | 7.3  |      | 6.0  | 4.5  | 6.3  | 6.3  | 6.3  | 6.0  | 4.5  |      | 5.3  | 5.3  | 5.3  |     | 14.0 |      |
|                                                                                   | 16.0 | 7.3  | 7.3  | 7.3  | 5.7  | 4.4  | 7.3  | 7.3  | 7.3  | 5.8  | 4.4  | 6.3  | 6.3  | 6.3  | 5.9  | 4.4  |      |      | 5.3  | 5.3  | 5.3  | 5.3 | 4.4  | 16.0 |
|                                                                                   | 18.0 | 7.3  | 7.3  | 6.9  | 5.5  |      | 7.3  | 7.3  | 7.3  | 5.7  | 4.3  | 6.3  | 6.3  | 6.3  | 5.7  | 4.4  |      |      | 5.3  | 5.3  | 5.3  | 5.3 | 4.4  | 18.0 |
|                                                                                   | 20.0 | 7.3  | 7.3  | 6.7  | 5.4  |      | 7.3  | 7.3  | 7.0  | 5.5  |      | 6.3  | 6.3  | 6.3  | 5.6  |      |      |      | 5.3  | 5.3  | 5.3  | 5.3 | 4.3  | 20.0 |
|                                                                                   | 22.0 | 7.3  | 7.3  | 6.4  | 5.3  |      | 7.3  | 7.3  | 6.8  | 5.4  |      | 6.3  | 6.3  | 6.3  | 5.5  |      |      |      | 5.3  | 5.3  | 5.3  | 5.3 |      | 22.0 |
|                                                                                   | 24.0 | 7.3  | 7.3  | 6.2  | 5.2  |      | 7.3  | 7.3  | 6.5  | 5.3  |      | 6.3  | 6.3  | 6.3  | 5.4  |      |      |      | 5.3  | 5.3  | 5.3  | 5.3 |      | 24.0 |
|                                                                                   | 26.0 | 7.3  | 7.2  | 6.0  | 5.1  |      | 7.3  | 7.3  | 6.3  | 5.2  |      | 6.3  | 6.3  | 6.3  | 5.3  |      |      |      | 5.3  | 5.3  | 5.1  | 5.0 |      | 26.0 |
|                                                                                   | 28.0 | 7.3  | 6.8  | 5.8  |      |      | 7.3  | 7.2  | 6.1  | 5.2  |      | 6.3  | 6.3  | 6.1  | 5.2  |      |      |      | 5.1  | 4.9  | 4.8  | 4.7 |      | 28.0 |
|                                                                                   | 30.0 | 7.3  | 6.5  | 5.6  |      |      | 6.9  | 6.7  | 6.0  | 5.1  |      | 6.1  | 6.0  | 5.8  | 5.1  |      |      |      | 4.7  | 4.5  | 4.4  | 4.4 |      | 30.0 |
|                                                                                   | 32.0 | 6.8  | 6.2  | 5.5  |      |      | 6.4  | 6.3  | 5.8  |      |      | 5.8  | 5.7  | 5.6  | 5.1  |      |      |      | 4.3  | 4.2  | 4.1  | 4.1 |      | 32.0 |
|                                                                                   | 34.0 | 6.0  | 5.9  | 5.4  |      |      | 5.8  | 5.9  | 5.7  |      |      | 5.4  | 5.3  | 5.3  |      |      |      |      | 4.0  | 3.9  | 3.8  | 3.8 |      | 34.0 |
| 36.0                                                                              | 5.2  | 5.3  | 5.3  |      |      | 5.3  | 5.4  | 5.4  |      |      | 5.1  | 5.0  | 4.9  |      |      |      |      | 3.7  | 3.7  | 3.6  |      |     | 36.0 |      |
| 38.0                                                                              | 4.5  | 4.6  |      |      |      | 4.7  | 4.9  | 5.0  |      |      | 4.7  | 4.7  | 4.7  |      |      |      |      | 3.5  | 3.4  | 3.4  |      |     | 38.0 |      |
| 40.0                                                                              | 3.9  | 4.0  |      |      |      | 4.1  | 4.2  | 4.4  |      |      | 4.3  | 4.4  | 4.4  |      |      |      |      | 3.2  | 3.2  | 3.1  |      |     | 40.0 |      |
| 44.0                                                                              | 2.9  |      |      |      |      | 3.3  | 3.3  |      |      |      | 3.3  | 3.4  | 3.5  |      |      |      |      | 2.8  | 2.8  | 2.8  |      |     | 44.0 |      |
| 48.0                                                                              |      |      |      |      |      | 2.7  | 2.7  |      |      |      | 2.4  | 2.5  |      |      |      |      |      | 2.3  | 2.4  | 2.4  |      |     | 48.0 |      |
| 52.0                                                                              |      |      |      |      |      | 2.1  |      |      |      |      | 1.7  | 1.8  |      |      |      |      |      | 1.7  | 1.7  |      |      |     | 52.0 |      |

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| FLJ                                                                               | 1.6m + 12.4m                                                                      | 40.9 t                                                                            | 8.0m x 7.5m                                                                       | 360°                                                                              | JPN                                                                               |

|                                                                                              | m    | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | m    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                                                                              | °    | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | °    |
| <br><br>m | 9.0  | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 9.0  |
|                                                                                                                                                                                 | 10.0 | 4.3  | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 10.0 |
|                                                                                                                                                                                 | 11.0 | 4.3  | 4.3  |      |      |      | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 11.0 |
|                                                                                                                                                                                 | 12.0 | 4.3  | 4.3  |      |      |      | 4.3  | 4.3  |      |      |      | 4.3  |      |      |      |      |      |      |      |      |      | 12.0 |
|                                                                                                                                                                                 | 14.0 | 4.3  | 4.3  | 4.2  |      |      | 4.3  | 4.3  |      |      |      | 4.3  | 4.3  |      |      |      | 3.3  | 3.3  |      |      |      | 14.0 |
|                                                                                                                                                                                 | 16.0 | 4.3  | 4.3  | 4.0  | 3.2  | 2.4  | 4.3  | 4.3  | 3.9  |      |      | 4.3  | 4.3  | 3.8  |      |      | 3.3  | 3.3  |      |      |      | 16.0 |
|                                                                                                                                                                                 | 18.0 | 4.3  | 4.3  | 3.9  | 3.1  | 2.4  | 4.3  | 4.3  | 3.8  | 3.2  | 2.4  | 4.3  | 4.3  | 3.7  | 3.2  |      | 3.3  | 3.3  | 3.3  |      |      | 18.0 |
|                                                                                                                                                                                 | 20.0 | 4.3  | 4.3  | 3.7  | 3.0  | 2.3  | 4.3  | 4.3  | 3.7  | 3.1  | 2.3  | 4.3  | 4.3  | 3.6  | 3.1  | 2.3  | 3.3  | 3.3  | 3.3  | 3.1  | 2.3  | 20.0 |
|                                                                                                                                                                                 | 22.0 | 4.3  | 4.3  | 3.6  | 2.9  |      | 4.3  | 4.3  | 3.5  | 3.0  | 2.3  | 4.3  | 4.2  | 3.5  | 3.1  | 2.3  | 3.3  | 3.3  | 3.3  | 3.0  | 2.3  | 22.0 |
|                                                                                                                                                                                 | 24.0 | 4.3  | 4.2  | 3.5  | 2.9  |      | 4.3  | 4.1  | 3.4  | 2.9  |      | 4.3  | 4.0  | 3.4  | 3.0  | 2.3  | 3.3  | 3.3  | 3.3  | 3.0  | 2.3  | 24.0 |
|                                                                                                                                                                                 | 26.0 | 4.3  | 4.0  | 3.4  | 2.8  |      | 4.3  | 3.9  | 3.3  | 2.9  |      | 4.3  | 3.9  | 3.2  | 2.9  |      | 3.3  | 3.3  | 3.2  | 2.9  |      | 26.0 |
|                                                                                                                                                                                 | 28.0 | 4.3  | 3.8  | 3.3  | 2.7  |      | 4.3  | 3.8  | 3.2  | 2.8  |      | 4.3  | 3.7  | 3.2  | 2.9  |      | 3.3  | 3.3  | 3.1  | 2.8  |      | 28.0 |
|                                                                                                                                                                                 | 30.0 | 4.2  | 3.7  | 3.1  | 2.7  |      | 4.2  | 3.7  | 3.1  | 2.8  |      | 4.1  | 3.6  | 3.1  | 2.8  |      | 3.3  | 3.3  | 3.0  | 2.8  |      | 30.0 |
|                                                                                                                                                                                 | 32.0 | 4.0  | 3.5  | 3.0  |      |      | 4.1  | 3.5  | 3.1  | 2.7  |      | 4.0  | 3.5  | 3.0  | 2.7  |      | 3.3  | 3.3  | 3.0  | 2.7  |      | 32.0 |
|                                                                                                                                                                                 | 34.0 | 3.7  | 3.4  | 2.9  |      |      | 3.9  | 3.4  | 3.0  | 2.7  |      | 3.9  | 3.4  | 2.9  | 2.7  |      | 3.3  | 3.3  | 2.9  | 2.7  |      | 34.0 |
|                                                                                                                                                                                 | 36.0 | 3.5  | 3.2  | 2.9  |      |      | 3.8  | 3.3  | 2.9  | 2.6  |      | 3.7  | 3.3  | 2.9  | 2.7  |      | 3.3  | 3.2  | 2.8  | 2.6  |      | 36.0 |
|                                                                                                                                                                                 | 38.0 | 3.3  | 3.1  | 2.8  |      |      | 3.6  | 3.2  | 2.8  |      |      | 3.6  | 3.2  | 2.8  | 2.6  |      | 3.1  | 3.1  | 2.8  | 2.6  |      | 38.0 |
| 40.0                                                                                                                                                                            | 3.2  | 3.0  | 2.7  |      |      | 3.5  | 3.1  | 2.8  |      |      | 3.5  | 3.1  | 2.7  |      |      | 2.9  | 2.9  | 2.7  | 2.6  |      | 40.0 |      |
| 44.0                                                                                                                                                                            | 2.9  | 2.8  |      |      |      | 3.3  | 3.0  | 2.7  |      |      | 3.1  | 2.9  | 2.6  |      |      | 2.6  | 2.5  | 2.5  |      |      | 44.0 |      |
| 48.0                                                                                                                                                                            | 2.6  | 2.6  |      |      |      | 2.9  | 2.8  |      |      |      | 2.8  | 2.8  | 2.6  |      |      | 2.3  | 2.2  | 2.2  |      |      | 48.0 |      |
| 52.0                                                                                                                                                                            |      |      |      |      |      | 2.4  | 2.5  |      |      |      | 2.2  | 2.3  |      |      |      | 2.0  | 2.0  | 2.0  |      |      | 52.0 |      |
| 56.0                                                                                                                                                                            |      |      |      |      |      | 1.9  |      |      |      |      | 1.6  | 1.7  |      |      |      | 1.5  | 1.6  |      |      |      | 56.0 |      |

|                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| FLJ                                                                                 | 1.6m + 17.4m                                                                        | 40.9 t                                                                              | 8.0m x 7.5m                                                                         | 360°                                                                                | JPN                                                                                 |

|    | m    | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | m    |      |
|---------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|    | °    | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | °    |      |
|  m | 11.0 | 3.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 11.0 |
|                                                                                       | 12.0 | 3.3  | 3.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 12.0 |
|                                                                                       | 14.0 | 3.3  | 3.2  |      |      |      | 3.2  | 3.1  |      |      |      | 2.9  |      |      |      |      |      |      |      |      |      |      | 14.0 |
|                                                                                       | 16.0 | 3.3  | 3.1  |      |      |      | 3.2  | 3.0  |      |      |      | 2.9  | 2.9  |      |      |      | 2.8  | 2.7  |      |      |      |      | 16.0 |
|                                                                                       | 18.0 | 3.3  | 2.9  | 2.4  |      |      | 3.2  | 2.9  |      |      |      | 2.9  | 2.8  |      |      |      | 2.8  | 2.6  |      |      |      |      | 18.0 |
|                                                                                       | 20.0 | 3.3  | 2.8  | 2.3  | 1.9  |      | 3.1  | 2.7  | 2.3  |      |      | 2.9  | 2.7  | 2.2  |      |      | 2.8  | 2.6  |      |      |      |      | 20.0 |
|                                                                                       | 22.0 | 3.1  | 2.7  | 2.2  | 1.8  | 1.5  | 3.1  | 2.6  | 2.2  | 1.8  |      | 2.9  | 2.6  | 2.2  |      |      | 2.7  | 2.5  | 2.1  |      |      |      | 22.0 |
|                                                                                       | 24.0 | 3.0  | 2.5  | 2.1  | 1.8  | 1.5  | 2.9  | 2.5  | 2.1  | 1.8  | 1.5  | 2.8  | 2.5  | 2.1  | 1.8  |      | 2.7  | 2.5  | 2.1  | 1.8  |      |      | 24.0 |
|                                                                                       | 26.0 | 2.8  | 2.4  | 2.1  | 1.7  |      | 2.8  | 2.4  | 2.1  | 1.7  | 1.4  | 2.8  | 2.4  | 2.0  | 1.8  | 1.4  | 2.6  | 2.4  | 2.0  | 1.8  | 1.4  |      | 26.0 |
|                                                                                       | 28.0 | 2.7  | 2.3  | 2.0  | 1.6  |      | 2.7  | 2.3  | 2.0  | 1.7  | 1.4  | 2.7  | 2.3  | 2.0  | 1.7  | 1.4  | 2.6  | 2.3  | 2.0  | 1.7  | 1.4  |      | 28.0 |
|                                                                                       | 30.0 | 2.6  | 2.3  | 1.9  | 1.6  |      | 2.6  | 2.3  | 1.9  | 1.6  |      | 2.6  | 2.2  | 1.9  | 1.7  |      | 2.5  | 2.2  | 1.9  | 1.7  | 1.4  |      | 30.0 |
|                                                                                       | 32.0 | 2.5  | 2.2  | 1.9  | 1.6  |      | 2.5  | 2.2  | 1.9  | 1.6  |      | 2.5  | 2.2  | 1.9  | 1.6  |      | 2.5  | 2.2  | 1.8  | 1.6  |      |      | 32.0 |
|                                                                                       | 34.0 | 2.4  | 2.1  | 1.8  | 1.5  |      | 2.4  | 2.1  | 1.8  | 1.6  |      | 2.4  | 2.1  | 1.8  | 1.6  |      | 2.4  | 2.1  | 1.8  | 1.6  |      |      | 34.0 |
|                                                                                       | 36.0 | 2.3  | 2.0  | 1.7  | 1.5  |      | 2.3  | 2.0  | 1.8  | 1.5  |      | 2.3  | 2.0  | 1.8  | 1.6  |      | 2.3  | 2.0  | 1.7  | 1.6  |      |      | 36.0 |
|                                                                                       | 38.0 | 2.2  | 2.0  | 1.7  |      |      | 2.3  | 2.0  | 1.7  | 1.5  |      | 2.2  | 2.0  | 1.7  | 1.5  |      | 2.2  | 2.0  | 1.7  | 1.5  |      |      | 38.0 |
|                                                                                       | 40.0 | 2.1  | 1.9  | 1.6  |      |      | 2.2  | 1.9  | 1.7  | 1.5  |      | 2.2  | 1.9  | 1.7  | 1.5  |      | 2.2  | 1.9  | 1.7  | 1.5  |      |      | 40.0 |
|                                                                                       | 44.0 | 2.0  | 1.8  | 1.6  |      |      | 2.1  | 1.8  | 1.6  |      |      | 2.0  | 1.8  | 1.6  |      |      | 2.0  | 1.8  | 1.6  | 1.5  |      |      | 44.0 |
|                                                                                       | 48.0 | 1.8  | 1.7  |      |      |      | 1.9  | 1.7  | 1.6  |      |      | 1.9  | 1.7  | 1.5  |      |      | 1.9  | 1.7  | 1.5  |      |      |      | 48.0 |
| 52.0                                                                                  | 1.7  | 1.6  |      |      |      | 1.8  | 1.7  | 1.5  |      |      | 1.8  | 1.6  | 1.5  |      |      | 1.8  | 1.6  | 1.5  |      |      |      | 52.0 |      |
| 56.0                                                                                  | 1.5  |      |      |      |      | 1.7  | 1.6  |      |      |      | 1.7  | 1.6  |      |      |      | 1.7  | 1.6  | 1.4  |      |      |      | 56.0 |      |
| 60.0                                                                                  |      |      |      |      |      | 1.6  | 1.5  |      |      |      | 1.4  | 1.5  |      |      |      | 1.4  | 1.5  |      |      |      |      | 60.0 |      |
| 64.0                                                                                  |      |      |      |      |      | 1.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 64.0 |

# フルオートラフィングジブ



|                                                                                       |                                                                                               |                                                                                          |                                                                                               |                                                                                        |                                                                                       |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  FLJ |  1.6m x 7.4m |  28.9 t |  8.0m x 7.5m |  360° |  JPN |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  | m    | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | m    |      |      |
|-----------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | °    |      |      |
|  | 8.0  | 7.3  | 7.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 8.0  |      |      |
|                                                                                   | 9.0  | 7.3  | 7.3  | 7.3  |      |      |      | 7.3  |      |      |      |      |      |      |      |      |      |      |      |      |      | 9.0  |      |      |
|                                                                                   | 10.0 | 7.3  | 7.3  | 7.3  |      |      |      | 7.3  | 7.3  |      |      |      |      | 6.3  |      |      |      |      |      |      |      | 10.0 |      |      |
|                                                                                   | 11.0 | 7.3  | 7.3  | 7.3  | 6.1  | 4.5  |      | 7.3  | 7.3  | 7.3  |      |      |      | 6.3  | 6.3  |      |      |      | 5.3  |      |      | 11.0 |      |      |
|                                                                                   | 12.0 | 7.3  | 7.3  | 7.3  | 6.0  | 4.5  |      | 7.3  | 7.3  | 7.3  |      |      |      | 6.3  | 6.3  | 6.3  |      |      | 5.3  | 5.3  |      | 12.0 |      |      |
|                                                                                   | 14.0 | 7.3  | 7.3  | 7.3  | 7.3  | 5.8  | 4.4  |      | 7.3  | 7.3  | 7.3  | 6.0  | 4.5  |      | 6.3  | 6.3  | 6.3  | 6.0  | 4.5  | 5.3  | 5.3  | 5.3  | 14.0 |      |
|                                                                                   | 16.0 | 7.3  | 7.3  | 7.3  | 5.7  | 4.4  |      | 7.3  | 7.3  | 7.3  | 5.8  | 4.4  |      | 6.3  | 6.3  | 6.3  | 5.9  | 4.4  | 5.3  | 5.3  | 5.3  | 5.3  | 4.4  | 16.0 |
|                                                                                   | 18.0 | 7.3  | 7.3  | 6.9  | 5.5  |      |      | 7.3  | 7.3  | 7.3  | 5.7  | 4.3  |      | 6.3  | 6.3  | 6.3  | 5.7  | 4.4  | 5.3  | 5.3  | 5.3  | 5.3  | 4.4  | 18.0 |
|                                                                                   | 20.0 | 7.3  | 7.3  | 6.7  | 5.4  |      |      | 7.3  | 7.3  | 7.0  | 5.5  |      |      | 6.3  | 6.3  | 6.3  | 5.6  |      | 5.3  | 5.3  | 5.3  | 5.3  | 4.3  | 20.0 |
|                                                                                   | 22.0 | 7.3  | 7.3  | 6.4  | 5.3  |      |      | 7.3  | 7.3  | 6.8  | 5.4  |      |      | 6.3  | 6.3  | 6.3  | 5.5  |      | 5.3  | 5.3  | 5.3  | 5.3  |      | 22.0 |
|                                                                                   | 24.0 | 7.3  | 7.3  | 6.2  | 5.2  |      |      | 7.3  | 7.3  | 6.5  | 5.3  |      |      | 6.3  | 6.3  | 6.3  | 5.4  |      | 5.3  | 5.3  | 5.3  | 5.3  |      | 24.0 |
|                                                                                   | 26.0 | 7.3  | 7.2  | 6.0  | 5.1  |      |      | 7.3  | 7.3  | 6.3  | 5.2  |      |      | 6.3  | 6.3  | 6.3  | 5.3  |      | 5.3  | 5.3  | 5.1  | 5.0  |      | 26.0 |
|                                                                                   | 28.0 | 6.6  | 6.8  | 5.8  |      |      |      | 6.8  | 7.0  | 6.1  | 5.2  |      |      | 6.3  | 6.3  | 6.1  | 5.2  |      | 5.1  | 4.9  | 4.8  | 4.7  |      | 28.0 |
|                                                                                   | 30.0 | 5.6  | 5.8  | 5.6  |      |      |      | 5.9  | 6.0  | 6.0  | 5.1  |      |      | 6.1  | 6.0  | 5.8  | 5.1  |      | 4.7  | 4.5  | 4.4  | 4.4  |      | 30.0 |
|                                                                                   | 32.0 | 4.8  | 4.9  | 5.1  |      |      |      | 5.5  | 5.5  | 5.4  |      |      |      | 5.2  | 5.4  | 5.6  | 5.1  |      | 4.3  | 4.2  | 4.1  | 4.1  |      | 32.0 |
|                                                                                   | 34.0 | 4.3  | 4.3  | 4.3  |      |      |      | 4.8  | 5.0  | 5.0  |      |      |      | 4.5  | 4.6  | 4.8  |      |      | 4.0  | 3.9  | 3.8  | 3.8  |      | 34.0 |
| 36.0                                                                              | 3.9  | 3.9  | 3.9  |      |      |      | 4.2  | 4.3  | 4.5  |      |      |      | 3.8  | 3.9  | 4.1  |      |      | 3.7  | 3.7  | 3.6  |      |      | 36.0 |      |
| 38.0                                                                              | 3.5  | 3.5  |      |      |      |      | 3.6  | 3.7  | 3.8  |      |      |      | 3.2  | 3.4  | 3.5  |      |      | 3.2  | 3.3  | 3.4  |      |      | 38.0 |      |
| 40.0                                                                              | 3.2  | 3.2  |      |      |      |      | 3.1  | 3.2  | 3.3  |      |      |      | 2.7  | 2.8  | 3.0  |      |      | 2.6  | 2.8  | 2.9  |      |      | 40.0 |      |
| 44.0                                                                              | 2.6  |      |      |      |      |      | 2.1  | 2.2  |      |      |      |      | 1.7  | 1.8  | 1.9  |      |      | 1.7  | 1.8  | 1.9  |      |      | 44.0 |      |
| 48.0                                                                              |      |      |      |      |      |      | 1.3  | 1.4  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0 |      |

|                                                                                       |                                                                                                |                                                                                          |                                                                                               |                                                                                        |                                                                                       |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  FLJ |  1.6m x 12.4m |  28.9 t |  8.0m x 7.5m |  360° |  JPN |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  | m    | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | m    |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | °    |
|  | 9.0  | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 9.0  |
|                                                                                     | 10.0 | 4.3  | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 10.0 |
|                                                                                     | 11.0 | 4.3  | 4.3  |      |      |      | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 11.0 |
|                                                                                     | 12.0 | 4.3  | 4.3  |      |      |      | 4.3  | 4.3  |      |      |      | 4.3  |      |      |      |      |      |      |      |      |      | 12.0 |
|                                                                                     | 14.0 | 4.3  | 4.3  | 4.2  |      |      | 4.3  | 4.3  |      |      |      | 4.3  | 4.3  |      |      |      | 3.3  | 3.3  |      |      |      | 14.0 |
|                                                                                     | 16.0 | 4.3  | 4.3  | 4.0  | 3.2  | 2.4  | 4.3  | 4.3  | 3.9  |      |      | 4.3  | 4.3  | 3.8  |      |      | 3.3  | 3.3  |      |      |      | 16.0 |
|                                                                                     | 18.0 | 4.3  | 4.3  | 3.9  | 3.1  | 2.4  | 4.3  | 4.3  | 3.8  | 3.2  | 2.4  | 4.3  | 4.3  | 3.7  | 3.2  |      | 3.3  | 3.3  | 3.3  |      |      | 18.0 |
|                                                                                     | 20.0 | 4.3  | 4.3  | 3.7  | 3.0  | 2.3  | 4.3  | 4.3  | 3.7  | 3.1  | 2.3  | 4.3  | 4.3  | 3.6  | 3.1  | 2.3  | 3.3  | 3.3  | 3.3  | 3.1  | 2.3  | 20.0 |
|                                                                                     | 22.0 | 4.3  | 4.3  | 3.6  | 2.9  |      | 4.3  | 4.3  | 3.5  | 3.0  | 2.3  | 4.3  | 4.2  | 3.5  | 3.1  | 2.3  | 3.3  | 3.3  | 3.3  | 3.0  | 2.3  | 22.0 |
|                                                                                     | 24.0 | 4.3  | 4.2  | 3.5  | 2.9  |      | 4.3  | 4.1  | 3.4  | 2.9  |      | 4.3  | 4.0  | 3.4  | 3.0  | 2.3  | 3.3  | 3.3  | 3.3  | 3.0  | 2.3  | 24.0 |
|                                                                                     | 26.0 | 4.3  | 4.0  | 3.4  | 2.8  |      | 4.3  | 3.9  | 3.3  | 2.9  |      | 4.3  | 3.9  | 3.2  | 2.9  |      | 3.3  | 3.3  | 3.2  | 2.9  |      | 26.0 |
|                                                                                     | 28.0 | 4.3  | 3.8  | 3.3  | 2.7  |      | 4.3  | 3.8  | 3.2  | 2.8  |      | 4.3  | 3.7  | 3.2  | 2.9  |      | 3.3  | 3.3  | 3.1  | 2.8  |      | 28.0 |
|                                                                                     | 30.0 | 4.2  | 3.7  | 3.1  | 2.7  |      | 4.2  | 3.7  | 3.1  | 2.8  |      | 4.1  | 3.6  | 3.1  | 2.8  |      | 3.3  | 3.3  | 3.0  | 2.8  |      | 30.0 |
|                                                                                     | 32.0 | 4.0  | 3.5  | 3.0  |      |      | 4.1  | 3.5  | 3.1  | 2.7  |      | 4.0  | 3.5  | 3.0  | 2.7  |      | 3.3  | 3.3  | 3.0  | 2.7  |      | 32.0 |
|                                                                                     | 34.0 | 3.7  | 3.4  | 2.9  |      |      | 3.9  | 3.4  | 3.0  | 2.7  |      | 3.9  | 3.4  | 2.9  | 2.7  |      | 3.3  | 3.3  | 2.9  | 2.7  |      | 34.0 |
|                                                                                     | 36.0 | 3.5  | 3.2  | 2.9  |      |      | 3.8  | 3.3  | 2.9  | 2.6  |      | 3.7  | 3.3  | 2.9  | 2.7  |      | 3.3  | 3.2  | 2.8  | 2.6  |      | 36.0 |
| 38.0                                                                                | 3.3  | 3.1  | 2.8  |      |      | 3.6  | 3.2  | 2.8  |      |      | 3.6  | 3.2  | 2.8  | 2.6  |      | 3.1  | 3.1  | 2.8  | 2.6  |      | 38.0 |      |
| 40.0                                                                                | 3.2  | 3.0  | 2.7  |      |      | 3.4  | 3.1  | 2.8  |      |      | 3.2  | 3.1  | 2.7  |      |      | 2.9  | 2.9  | 2.7  | 2.6  |      | 40.0 |      |
| 44.0                                                                                | 2.7  | 2.8  |      |      |      | 2.7  | 2.8  | 2.6  |      |      | 2.3  | 2.5  | 2.6  |      |      | 2.2  | 2.4  | 2.5  |      |      | 44.0 |      |
| 48.0                                                                                | 2.2  | 2.3  |      |      |      | 1.9  | 2.0  |      |      |      | 1.5  | 1.6  | 1.8  |      |      | 1.4  | 1.6  | 1.8  |      |      | 48.0 |      |
| 52.0                                                                                |      |      |      |      |      | 1.2  | 1.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 52.0 |

|                                                                                         |                                                                                                  |                                                                                            |                                                                                                 |                                                                                          |                                                                                         |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  FLJ |  1.6m x 17.4m |  28.9 t |  8.0m x 7.5m |  360° |  JPN |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|

|       | m    | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | m    |      |
|------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | °    | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | °    |      |
| <br>m | 11.0 | 3.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 11.0 |
|                                                                                          | 12.0 | 3.3  | 3.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 12.0 |
|                                                                                          | 14.0 | 3.3  | 3.2  |      |      |      |      |      |      |      |      |      | 2.9  |      |      |      |      |      |      |      |      |      | 14.0 |
|                                                                                          | 16.0 | 3.3  | 3.1  |      |      |      |      |      |      |      |      |      | 2.9  | 2.9  |      |      |      | 2.8  | 2.7  |      |      |      | 16.0 |
|                                                                                          | 18.0 | 3.3  | 2.9  | 2.4  |      |      |      |      |      |      |      |      | 2.9  | 2.8  |      |      |      | 2.8  | 2.6  |      |      |      | 18.0 |
|                                                                                          | 20.0 | 3.3  | 2.8  | 2.3  | 1.9  |      |      |      |      |      |      |      | 2.9  | 2.7  | 2.2  |      |      | 2.8  | 2.6  |      |      |      | 20.0 |
|                                                                                          | 22.0 | 3.1  | 2.7  | 2.2  | 1.8  | 1.5  |      |      |      |      |      |      | 2.9  | 2.6  | 2.2  |      |      | 2.7  | 2.5  | 2.1  |      |      | 22.0 |
|                                                                                          | 24.0 | 3.0  | 2.5  | 2.1  | 1.8  | 1.5  |      |      |      |      |      |      | 2.8  | 2.5  | 2.1  | 1.8  |      | 2.7  | 2.5  | 2.1  | 1.8  |      | 24.0 |
|                                                                                          | 26.0 | 2.8  | 2.4  | 2.1  | 1.7  |      |      |      |      |      |      |      | 2.8  | 2.4  | 2.0  | 1.8  | 1.4  | 2.6  | 2.4  | 2.0  | 1.8  | 1.4  | 26.0 |
|                                                                                          | 28.0 | 2.7  | 2.3  | 2.0  | 1.6  |      |      |      |      |      |      |      | 2.7  | 2.3  | 2.0  | 1.7  | 1.4  | 2.6  | 2.3  | 2.0  | 1.7  | 1.4  | 28.0 |
|                                                                                          | 30.0 | 2.6  | 2.3  | 1.9  | 1.6  |      |      |      |      |      |      |      | 2.6  | 2.2  | 1.9  | 1.7  |      | 2.5  | 2.2  | 1.9  | 1.7  | 1.4  | 30.0 |
|                                                                                          | 32.0 | 2.5  | 2.2  | 1.9  | 1.6  |      |      |      |      |      |      |      | 2.5  | 2.2  | 1.9  | 1.6  |      | 2.5  | 2.2  | 1.8  | 1.6  |      | 32.0 |
|                                                                                          | 34.0 | 2.4  | 2.1  | 1.8  | 1.5  |      |      |      |      |      |      |      | 2.4  | 2.1  | 1.8  | 1.6  |      | 2.4  | 2.1  | 1.8  | 1.6  |      | 34.0 |
|                                                                                          | 36.0 | 2.3  | 2.0  | 1.7  | 1.5  |      |      |      |      |      |      |      | 2.3  | 2.0  | 1.8  | 1.6  |      | 2.3  | 2.0  | 1.7  | 1.6  |      | 36.0 |
|                                                                                          | 38.0 | 2.2  | 2.0  | 1.7  |      |      |      |      |      |      |      |      | 2.2  | 2.0  | 1.7  | 1.5  |      | 2.2  | 2.0  | 1.7  | 1.5  |      | 38.0 |
|                                                                                          | 40.0 | 2.1  | 1.9  | 1.6  |      |      |      |      |      |      |      |      | 2.2  | 1.9  | 1.7  | 1.5  |      | 2.2  | 1.9  | 1.7  | 1.5  |      | 40.0 |
| 44.0                                                                                     | 2.0  | 1.8  | 1.6  |      |      |      |      |      |      |      |      | 2.0  | 1.8  | 1.6  |      |      | 2.0  | 1.8  | 1.6  | 1.5  |      | 44.0 |      |
| 48.0                                                                                     | 1.8  | 1.7  |      |      |      |      |      |      |      |      |      | 1.9  | 1.7  | 1.5  |      |      | 1.9  | 1.7  | 1.5  |      |      | 48.0 |      |
| 52.0                                                                                     | 1.7  | 1.6  |      |      |      |      |      |      |      |      |      | 1.3  | 1.5  | 1.5  |      |      | 1.2  | 1.4  | 1.5  |      |      | 52.0 |      |
| 56.0                                                                                     | 1.5  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 56.0 |      |

# フルオートラフィングジブ



|                                                                                       |                                                                                               |                                                                                          |                                                                                               |                                                                                         |                                                                                       |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  FLJ |  1.6m + 7.4m |  25.4 t |  8.0m x 7.5m |  360 ° |  JPN |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  | m    | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | m   |      |      |      |
|-----------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|
|  | °    | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | °   |      |      |      |
|  | 8.0  | 7.3  | 7.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     | 8.0  |      |      |
|                                                                                   | 9.0  | 7.3  | 7.3  | 7.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     | 9.0  |      |      |
|                                                                                   | 10.0 | 7.3  | 7.3  | 7.3  |      |      |      | 7.3  | 7.3  |      |      |      |      |      |      |      |      |      |      |      |      |     | 10.0 |      |      |
|                                                                                   | 11.0 | 7.3  | 7.3  | 7.3  | 6.1  | 4.5  |      | 7.3  | 7.3  | 7.3  |      |      | 6.3  | 6.3  |      |      |      |      | 5.3  |      |      |     | 11.0 |      |      |
|                                                                                   | 12.0 | 7.3  | 7.3  | 7.3  | 6.0  | 4.5  |      | 7.3  | 7.3  | 7.3  |      |      | 6.3  | 6.3  | 6.3  |      |      |      | 5.3  | 5.3  |      |     | 12.0 |      |      |
|                                                                                   | 14.0 | 7.3  | 7.3  | 7.3  | 5.8  | 4.4  |      | 7.3  | 7.3  | 7.3  | 6.0  | 4.5  |      | 6.3  | 6.3  | 6.3  | 6.0  | 4.5  |      | 5.3  | 5.3  | 5.3 |      | 14.0 |      |
|                                                                                   | 16.0 | 7.3  | 7.3  | 7.3  | 5.7  | 4.4  |      | 7.3  | 7.3  | 7.3  | 5.8  | 4.4  |      | 6.3  | 6.3  | 6.3  | 5.9  | 4.4  |      | 5.3  | 5.3  | 5.3 | 5.3  | 4.4  | 16.0 |
|                                                                                   | 18.0 | 7.3  | 7.3  | 6.9  | 5.5  |      |      | 7.3  | 7.3  | 7.3  | 5.7  | 4.3  |      | 6.3  | 6.3  | 6.3  | 5.7  | 4.4  |      | 5.3  | 5.3  | 5.3 | 5.3  | 4.4  | 18.0 |
|                                                                                   | 20.0 | 7.3  | 7.3  | 6.7  | 5.4  |      |      | 7.3  | 7.3  | 7.0  | 5.5  |      |      | 6.3  | 6.3  | 6.3  | 5.6  |      |      | 5.3  | 5.3  | 5.3 | 5.3  | 4.3  | 20.0 |
|                                                                                   | 22.0 | 7.3  | 7.3  | 6.4  | 5.3  |      |      | 7.3  | 7.3  | 6.8  | 5.4  |      |      | 6.3  | 6.3  | 6.3  | 5.5  |      |      | 5.3  | 5.3  | 5.3 | 5.3  |      | 22.0 |
|                                                                                   | 24.0 | 7.3  | 7.3  | 6.2  | 5.2  |      |      | 7.3  | 7.3  | 6.5  | 5.3  |      |      | 6.3  | 6.3  | 6.3  | 5.4  |      |      | 5.3  | 5.3  | 5.3 | 5.3  |      | 24.0 |
|                                                                                   | 26.0 | 7.0  | 7.2  | 6.0  | 5.1  |      |      | 7.2  | 7.3  | 6.3  | 5.2  |      |      | 6.3  | 6.3  | 6.3  | 5.3  |      |      | 5.3  | 5.3  | 5.1 | 5.0  |      | 26.0 |
|                                                                                   | 28.0 | 5.9  | 6.1  | 5.8  |      |      |      | 6.4  | 6.3  | 6.1  | 5.2  |      |      | 6.3  | 6.3  | 6.1  | 5.2  |      |      | 5.1  | 4.9  | 4.8 | 4.7  |      | 28.0 |
|                                                                                   | 30.0 | 5.2  | 5.2  | 5.4  |      |      |      | 5.8  | 5.8  | 5.7  | 5.1  |      |      | 5.4  | 5.6  | 5.8  | 5.1  |      |      | 4.7  | 4.5  | 4.4 | 4.4  |      | 30.0 |
|                                                                                   | 32.0 | 4.7  | 4.7  | 4.7  |      |      |      | 5.0  | 5.1  | 5.3  |      |      |      | 4.6  | 4.8  | 5.0  | 5.1  |      |      | 4.3  | 4.2  | 4.1 | 4.1  |      | 32.0 |
|                                                                                   | 34.0 | 4.3  | 4.3  | 4.3  |      |      |      | 4.2  | 4.4  | 4.6  |      |      |      | 3.9  | 4.0  | 4.2  |      |      |      | 3.8  | 3.9  | 3.8 | 3.8  |      | 34.0 |
| 36.0                                                                              | 3.9  | 3.9  | 3.9  |      |      |      | 3.6  | 3.8  | 3.9  |      |      |      | 3.2  | 3.4  | 3.6  |      |      |      | 3.2  | 3.4  | 3.6  |     |      | 36.0 |      |
| 38.0                                                                              | 3.5  | 3.5  |      |      |      |      | 3.1  | 3.2  | 3.3  |      |      |      | 2.6  | 2.8  | 3.0  |      |      |      | 2.6  | 2.8  | 3.0  |     |      | 38.0 |      |
| 40.0                                                                              | 3.1  | 3.2  |      |      |      |      | 2.5  | 2.7  | 2.8  |      |      |      | 2.1  | 2.3  | 2.4  |      |      |      | 2.1  | 2.2  | 2.4  |     |      | 40.0 |      |
| 44.0                                                                              | 2.2  |      |      |      |      |      | 1.6  | 1.7  |      |      |      |      | 1.2  | 1.3  | 1.5  |      |      |      |      | 1.3  | 1.4  |     |      | 44.0 |      |

|                                                                                       |                                                                                                |                                                                                          |                                                                                               |                                                                                         |                                                                                       |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  FLJ |  1.6m + 12.4m |  25.4 t |  8.0m x 7.5m |  360 ° |  JPN |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  | m    | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | m    |      |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | °    |      |
|  | 9.0  | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 9.0  |      |
|                                                                                     | 10.0 | 4.3  | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 10.0 |      |
|                                                                                     | 11.0 | 4.3  | 4.3  |      |      |      | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 11.0 |      |
|                                                                                     | 12.0 | 4.3  | 4.3  |      |      |      | 4.3  | 4.3  |      |      |      | 4.3  |      |      |      |      |      |      |      |      |      | 12.0 |      |
|                                                                                     | 14.0 | 4.3  | 4.3  | 4.2  |      |      | 4.3  | 4.3  |      |      |      | 4.3  | 4.3  |      |      |      |      | 3.3  | 3.3  |      |      | 14.0 |      |
|                                                                                     | 16.0 | 4.3  | 4.3  | 4.0  | 3.2  | 2.4  | 4.3  | 4.3  | 3.9  |      |      | 4.3  | 4.3  | 3.8  |      |      |      | 3.3  | 3.3  |      |      | 16.0 |      |
|                                                                                     | 18.0 | 4.3  | 4.3  | 3.9  | 3.1  | 2.4  | 4.3  | 4.3  | 3.8  | 3.2  | 2.4  | 4.3  | 4.3  | 3.7  | 3.2  |      |      | 3.3  | 3.3  | 3.3  |      | 18.0 |      |
|                                                                                     | 20.0 | 4.3  | 4.3  | 3.7  | 3.0  | 2.3  | 4.3  | 4.3  | 3.7  | 3.1  | 2.3  | 4.3  | 4.3  | 3.6  | 3.1  | 2.3  |      | 3.3  | 3.3  | 3.3  | 3.1  | 2.3  | 20.0 |
|                                                                                     | 22.0 | 4.3  | 4.3  | 3.6  | 2.9  |      | 4.3  | 4.3  | 3.5  | 3.0  | 2.3  | 4.3  | 4.2  | 3.5  | 3.1  | 2.3  |      | 3.3  | 3.3  | 3.3  | 3.0  | 2.3  | 22.0 |
|                                                                                     | 24.0 | 4.3  | 4.2  | 3.5  | 2.9  |      | 4.3  | 4.1  | 3.4  | 2.9  |      | 4.3  | 4.0  | 3.4  | 3.0  | 2.3  |      | 3.3  | 3.3  | 3.3  | 3.0  | 2.3  | 24.0 |
|                                                                                     | 26.0 | 4.3  | 4.0  | 3.4  | 2.8  |      | 4.3  | 3.9  | 3.3  | 2.9  |      | 4.3  | 3.9  | 3.2  | 2.9  |      |      | 3.3  | 3.3  | 3.2  | 2.9  |      | 26.0 |
|                                                                                     | 28.0 | 4.3  | 3.8  | 3.3  | 2.7  |      | 4.3  | 3.8  | 3.2  | 2.8  |      | 4.3  | 3.7  | 3.2  | 2.9  |      |      | 3.3  | 3.3  | 3.1  | 2.8  |      | 28.0 |
|                                                                                     | 30.0 | 4.2  | 3.7  | 3.1  | 2.7  |      | 4.2  | 3.7  | 3.1  | 2.8  |      | 4.1  | 3.6  | 3.1  | 2.8  |      |      | 3.3  | 3.3  | 3.0  | 2.8  |      | 30.0 |
|                                                                                     | 32.0 | 4.0  | 3.5  | 3.0  |      |      | 4.1  | 3.5  | 3.1  | 2.7  |      | 4.0  | 3.5  | 3.0  | 2.7  |      |      | 3.3  | 3.3  | 3.0  | 2.7  |      | 32.0 |
|                                                                                     | 34.0 | 3.7  | 3.4  | 2.9  |      |      | 3.9  | 3.4  | 3.0  | 2.7  |      | 3.9  | 3.4  | 2.9  | 2.7  |      |      | 3.3  | 3.3  | 2.9  | 2.7  |      | 34.0 |
|                                                                                     | 36.0 | 3.5  | 3.2  | 2.9  |      |      | 3.7  | 3.3  | 2.9  | 2.6  |      | 3.7  | 3.3  | 2.9  | 2.7  |      |      | 3.3  | 3.2  | 2.8  | 2.6  |      | 36.0 |
|                                                                                     | 38.0 | 3.3  | 3.1  | 2.8  |      |      | 3.6  | 3.2  | 2.8  |      |      | 3.2  | 3.2  | 2.8  | 2.6  |      |      | 3.1  | 3.1  | 2.8  | 2.6  |      | 38.0 |
|                                                                                     | 40.0 | 3.2  | 3.0  | 2.7  |      |      | 3.1  | 3.1  | 2.8  |      |      | 2.7  | 2.9  | 2.7  |      |      |      | 2.6  | 2.9  | 2.7  | 2.6  |      | 40.0 |
| 44.0                                                                                | 2.7  | 2.8  |      |      |      | 2.2  | 2.4  | 2.6  |      |      |      | 1.8  | 2.0  | 2.2  |      |      | 1.7  | 1.9  | 2.2  |      |      | 44.0 |      |
| 48.0                                                                                | 2.0  | 2.1  |      |      |      | 1.4  | 1.6  |      |      |      |      | 1.2  | 1.4  |      |      |      |      |      | 1.3  |      |      | 48.0 |      |

|                                                                                         |                                                                                                  |                                                                                            |                                                                                                 |                                                                                           |                                                                                         |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  FLJ |  1.6m + 17.4m |  25.4 t |  8.0m x 7.5m |  360 ° |  JPN |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|

|  | m    | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 |     |     |     |     |     |   |     |     |     |     |     |     |     |     |     |     | m    |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|-----|-----|-----|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|  | °    | 5    | 15   | 30   | 45   | 60   | 5   | 15  | 30  | 45  | 60  | 5 | 15  | 30  | 45  | 60  | 5   | 15  | 30  | 45  | 60  | °   |      |
|  | 11.0 | 3.3  |      |      |      |      |     |     |     |     |     |   |     |     |     |     |     |     |     |     |     |     | 11.0 |
|                                                                                     | 12.0 | 3.3  | 3.3  |      |      |      |     |     |     |     |     |   |     |     |     |     |     |     |     |     |     |     | 12.0 |
|                                                                                     | 14.0 | 3.3  | 3.2  |      |      |      | 3.2 | 3.1 |     |     |     |   | 2.9 |     |     |     |     |     |     |     |     |     | 14.0 |
|                                                                                     | 16.0 | 3.3  | 3.1  |      |      |      | 3.2 | 3.0 |     |     |     |   | 2.9 | 2.9 |     |     |     | 2.8 | 2.7 |     |     |     | 16.0 |
|                                                                                     | 18.0 | 3.3  | 2.9  | 2.4  |      |      | 3.2 | 2.9 |     |     |     |   | 2.9 | 2.8 |     |     |     | 2.8 | 2.6 |     |     |     | 18.0 |
|                                                                                     | 20.0 | 3.3  | 2.8  | 2.3  | 1.9  |      | 3.1 | 2.7 | 2.3 |     |     |   | 2.9 | 2.7 | 2.2 |     |     | 2.8 | 2.6 |     |     |     | 20.0 |
|                                                                                     | 22.0 | 3.1  | 2.7  | 2.2  | 1.8  | 1.5  | 3.1 | 2.6 | 2.2 | 1.8 |     |   | 2.9 | 2.6 | 2.2 |     |     | 2.7 | 2.5 | 2.1 |     |     | 22.0 |
|                                                                                     | 24.0 | 3.0  | 2.5  | 2.1  | 1.8  | 1.5  | 2.9 | 2.5 | 2.1 | 1.8 | 1.5 |   | 2.8 | 2.5 | 2.1 | 1.8 |     | 2.7 | 2.5 | 2.1 | 1.8 |     | 24.0 |
|                                                                                     | 26.0 | 2.8  | 2.4  | 2.1  | 1.7  |      | 2.8 | 2.4 | 2.1 | 1.7 | 1.4 |   | 2.8 | 2.4 | 2.0 | 1.8 | 1.4 | 2.6 | 2.4 | 2.0 | 1.8 | 1.4 | 26.0 |
|                                                                                     | 28.0 | 2.7  | 2.3  | 2.0  | 1.6  |      | 2.7 | 2.3 | 2.0 | 1.7 | 1.4 |   | 2.7 | 2.3 | 2.0 | 1.7 | 1.4 | 2.6 | 2.3 | 2.0 | 1.7 | 1.4 | 28.0 |
|                                                                                     | 30.0 | 2.6  | 2.3  | 1.9  | 1.6  |      | 2.6 | 2.3 | 1.9 | 1.6 |     |   | 2.6 | 2.2 | 1.9 | 1.7 |     | 2.5 | 2.2 | 1.9 | 1.7 | 1.4 | 30.0 |
|                                                                                     | 32.0 | 2.5  | 2.2  | 1.9  | 1.6  |      | 2.5 | 2.2 | 1.9 | 1.6 |     |   | 2.5 | 2.2 | 1.9 | 1.6 |     | 2.5 | 2.2 | 1.8 | 1.6 |     | 32.0 |
|                                                                                     | 34.0 | 2.4  | 2.1  | 1.8  | 1.5  |      | 2.4 | 2.1 | 1.8 | 1.6 |     |   | 2.4 | 2.1 | 1.8 | 1.6 |     | 2.4 | 2.1 | 1.8 | 1.6 |     | 34.0 |
|                                                                                     | 36.0 | 2.3  | 2.0  | 1.7  | 1.5  |      | 2.3 | 2.0 | 1.8 | 1.5 |     |   | 2.3 | 2.0 | 1.8 | 1.6 |     | 2.3 | 2.0 | 1.7 | 1.6 |     | 36.0 |
|                                                                                     | 38.0 | 2.2  | 2.0  | 1.7  |      |      | 2.3 | 2.0 | 1.7 | 1.5 |     |   | 2.2 | 2.0 | 1.7 | 1.5 |     | 2.2 | 2.0 | 1.7 | 1.5 |     | 38.0 |
|                                                                                     | 40.0 | 2.1  | 1.9  | 1.6  |      |      | 2.2 | 1.9 | 1.7 | 1.5 |     |   | 2.2 | 1.9 | 1.7 | 1.5 |     | 2.2 | 1.9 | 1.7 | 1.5 |     | 40.0 |
| 44.0                                                                                | 2.0  | 1.8  | 1.6  |      |      |      | 2.1 | 1.8 | 1.6 |     |     |   | 2.0 | 1.8 | 1.6 |     |     | 2.0 | 1.8 | 1.6 | 1.5 |     | 44.0 |
| 48.0                                                                                | 1.8  | 1.7  |      |      |      |      | 1.9 | 1.7 | 1.6 |     |     |   | 1.5 | 1.7 | 1.5 |     |     | 1.4 | 1.7 | 1.5 |     |     | 48.0 |
| 52.0                                                                                | 1.7  | 1.6  |      |      |      |      | 1.3 | 1.4 | 1.5 |     |     |   |     |     | 1.3 |     |     |     |     | 1.3 |     |     | 52.0 |
| 56.0                                                                                | 1.3  |      |      |      |      |      |     |     |     |     |     |   |     |     |     |     |     |     |     |     |     |     | 56.0 |



# フルオートラフィングジブ



|                                                                                       |                                                                                               |                                                                                          |                                                                                               |                                                                                         |                                                                                       |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  FLJ |  1.6m + 7.4m |  15.4 t |  8.0m x 7.5m |  360 ° |  JPN |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  |      | m   | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | m    |      |
|-----------------------------------------------------------------------------------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  |      | °   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | °    |      |
|  | 8.0  | 7.3 | 7.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 8.0  |      |
|                                                                                   | 9.0  | 7.3 | 7.3  | 7.3  |      |      |      |      | 7.3  |      |      |      |      |      |      |      |      |      |      |      |      |      | 9.0  |      |
|                                                                                   | 10.0 | 7.3 | 7.3  | 7.3  |      |      |      | 7.3  | 7.3  |      |      |      |      |      | 6.3  |      |      |      |      |      |      |      | 10.0 |      |
|                                                                                   | 11.0 | 7.3 | 7.3  | 7.3  |      | 6.1  | 4.5  | 7.3  | 7.3  | 7.3  |      |      |      | 6.3  | 6.3  |      |      |      |      |      | 5.3  |      | 11.0 |      |
|                                                                                   | 12.0 | 7.3 | 7.3  | 7.3  |      | 6.0  | 4.5  | 7.3  | 7.3  | 7.3  |      |      |      | 6.3  | 6.3  | 6.3  |      |      | 5.3  | 5.3  |      |      | 12.0 |      |
|                                                                                   | 14.0 | 7.3 | 7.3  | 7.3  |      | 5.8  | 4.4  | 7.3  | 7.3  | 7.3  |      | 6.0  | 4.5  | 6.3  | 6.3  | 6.3  | 6.0  | 4.5  | 5.3  | 5.3  | 5.3  |      | 14.0 |      |
|                                                                                   | 16.0 | 7.3 | 7.3  | 7.3  |      | 5.7  | 4.4  | 7.3  | 7.3  | 7.3  |      | 5.8  | 4.4  | 6.3  | 6.3  | 6.3  | 5.9  | 4.4  | 5.3  | 5.3  | 5.3  | 5.3  | 4.4  | 16.0 |
|                                                                                   | 18.0 | 7.3 | 7.3  | 6.9  |      | 5.5  |      | 7.3  | 7.3  | 7.3  |      | 5.7  | 4.3  | 6.3  | 6.3  | 6.3  | 5.7  | 4.4  | 5.3  | 5.3  | 5.3  | 5.3  | 4.4  | 18.0 |
|                                                                                   | 20.0 | 7.3 | 7.3  | 6.7  |      | 5.4  |      | 7.3  | 7.3  | 7.0  |      | 5.5  |      | 6.3  | 6.3  | 6.3  | 5.6  |      | 5.3  | 5.3  | 5.3  | 5.3  | 4.3  | 20.0 |
|                                                                                   | 22.0 | 7.3 | 7.3  | 6.4  |      | 5.3  |      | 7.2  | 7.3  | 6.8  |      | 5.4  |      | 6.3  | 6.3  | 6.3  | 5.5  |      | 5.3  | 5.3  | 5.3  | 5.3  |      | 22.0 |
|                                                                                   | 24.0 | 6.8 | 6.7  | 6.2  |      | 5.2  |      | 6.4  | 6.4  | 6.5  |      | 5.3  |      | 6.1  | 6.3  | 6.3  | 5.4  |      | 5.3  | 5.3  | 5.3  | 5.3  |      | 24.0 |
|                                                                                   | 26.0 | 6.0 | 6.1  | 6.0  |      | 5.1  |      | 5.4  | 5.6  | 6.0  |      | 5.2  |      | 5.0  | 5.3  | 5.6  | 5.3  |      | 5.0  | 5.2  | 5.1  | 5.0  |      | 26.0 |
|                                                                                   | 28.0 | 5.1 | 5.2  | 5.4  |      |      |      | 4.5  | 4.7  | 5.0  |      | 5.1  |      | 4.1  | 4.3  | 4.6  | 4.8  |      | 4.0  | 4.3  | 4.6  | 4.7  |      | 28.0 |
|                                                                                   | 30.0 | 4.3 | 4.4  | 4.6  |      |      |      | 3.7  | 3.9  | 4.1  |      | 4.3  |      | 3.3  | 3.5  | 3.8  | 3.9  |      | 3.3  | 3.5  | 3.7  | 3.9  |      | 30.0 |
|                                                                                   | 32.0 | 3.6 | 3.7  | 3.9  |      |      |      | 3.0  | 3.2  | 3.4  |      |      |      | 2.6  | 2.8  | 3.0  | 3.2  |      | 2.6  | 2.8  | 3.0  | 3.2  |      | 32.0 |
|                                                                                   | 34.0 | 3.0 | 3.1  | 3.2  |      |      |      | 2.4  | 2.6  | 2.8  |      |      |      | 2.0  | 2.2  | 2.4  |      |      | 2.0  | 2.2  | 2.4  | 2.5  |      | 34.0 |
| 36.0                                                                              | 2.5  | 2.6 | 2.7  |      |      |      | 1.9  | 2.0  | 2.2  |      |      |      |      | 1.7  | 1.9  |      |      |      |      |      | 1.8  |      | 36.0 |      |
| 38.0                                                                              | 2.0  | 2.1 |      |      |      |      | 1.4  | 1.5  | 1.7  |      |      |      |      |      |      |      |      |      |      |      |      |      | 38.0 |      |
| 40.0                                                                              | 1.6  | 1.7 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 40.0 |      |

|                                                                                       |                                                                                                |                                                                                          |                                                                                               |                                                                                         |                                                                                       |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  FLJ |  1.6m + 12.4m |  15.4 t |  8.0m x 7.5m |  360 ° |  JPN |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  | m    | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | m    |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | °    |
|  | 9.0  | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 9.0  |
|                                                                                     | 10.0 | 4.3  | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 10.0 |
|                                                                                     | 11.0 | 4.3  | 4.3  |      |      |      | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 11.0 |
|                                                                                     | 12.0 | 4.3  | 4.3  |      |      |      | 4.3  | 4.3  |      |      |      | 4.3  |      |      |      |      |      |      |      |      |      | 12.0 |
|                                                                                     | 14.0 | 4.3  | 4.3  | 4.2  |      |      | 4.3  | 4.3  |      |      |      | 4.3  | 4.3  |      |      |      | 3.3  | 3.3  |      |      |      | 14.0 |
|                                                                                     | 16.0 | 4.3  | 4.3  | 4.0  | 3.2  | 2.4  | 4.3  | 4.3  | 3.9  |      |      | 4.3  | 4.3  | 3.8  |      |      | 3.3  | 3.3  |      |      |      | 16.0 |
|                                                                                     | 18.0 | 4.3  | 4.3  | 3.9  | 3.1  | 2.4  | 4.3  | 4.3  | 3.8  | 3.2  | 2.4  | 4.3  | 4.3  | 3.7  | 3.2  |      | 3.3  | 3.3  | 3.3  |      |      | 18.0 |
|                                                                                     | 20.0 | 4.3  | 4.3  | 3.7  | 3.0  | 2.3  | 4.3  | 4.3  | 3.7  | 3.1  | 2.3  | 4.3  | 4.3  | 3.6  | 3.1  | 2.3  | 3.3  | 3.3  | 3.3  | 3.1  | 2.3  | 20.0 |
|                                                                                     | 22.0 | 4.3  | 4.3  | 3.6  | 2.9  |      | 4.3  | 4.3  | 3.5  | 3.0  | 2.3  | 4.3  | 4.2  | 3.5  | 3.1  | 2.3  | 3.3  | 3.3  | 3.3  | 3.0  | 2.3  | 22.0 |
|                                                                                     | 24.0 | 4.3  | 4.2  | 3.5  | 2.9  |      | 4.3  | 4.1  | 3.4  | 2.9  |      | 4.3  | 4.0  | 3.4  | 3.0  | 2.3  | 3.3  | 3.3  | 3.3  | 3.0  | 2.3  | 24.0 |
|                                                                                     | 26.0 | 4.3  | 4.0  | 3.4  | 2.8  |      | 4.3  | 3.9  | 3.3  | 2.9  |      | 4.3  | 3.9  | 3.2  | 2.9  |      | 3.3  | 3.3  | 3.2  | 2.9  |      | 26.0 |
|                                                                                     | 28.0 | 4.3  | 3.8  | 3.3  | 2.7  |      | 4.3  | 3.8  | 3.2  | 2.8  |      | 4.3  | 3.7  | 3.2  | 2.9  |      | 3.3  | 3.3  | 3.1  | 2.8  |      | 28.0 |
|                                                                                     | 30.0 | 4.0  | 3.7  | 3.1  | 2.7  |      | 4.1  | 3.7  | 3.1  | 2.8  |      | 3.9  | 3.6  | 3.1  | 2.8  |      | 3.3  | 3.3  | 3.0  | 2.8  |      | 30.0 |
|                                                                                     | 32.0 | 3.9  | 3.4  | 3.0  |      |      | 3.5  | 3.5  | 3.1  | 2.7  |      | 3.2  | 3.5  | 3.0  | 2.7  |      | 3.1  | 3.3  | 3.0  | 2.7  |      | 32.0 |
|                                                                                     | 34.0 | 3.5  | 3.3  | 2.9  |      |      | 2.9  | 3.2  | 3.0  | 2.7  |      | 2.6  | 2.9  | 2.9  | 2.7  |      | 2.5  | 2.8  | 2.9  | 2.7  |      | 34.0 |
|                                                                                     | 36.0 | 3.0  | 3.2  | 2.8  |      |      | 2.4  | 2.7  | 2.9  | 2.6  |      | 2.0  | 2.3  | 2.6  | 2.7  |      | 2.0  | 2.3  | 2.6  | 2.6  |      | 36.0 |
| 38.0                                                                                | 2.5  | 2.7  | 2.8  |      |      | 2.0  | 2.2  | 2.4  |      |      | 1.6  | 1.8  | 2.1  | 2.3  |      |      | 1.8  | 2.1  | 2.3  |      | 38.0 |      |
| 40.0                                                                                | 2.1  | 2.3  | 2.4  |      |      | 1.5  | 1.7  | 2.0  |      |      |      |      | 1.7  |      |      |      |      |      | 1.6  | 1.8  |      | 40.0 |
| 44.0                                                                                | 1.4  | 1.5  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 44.0 |

|                                                                                         |                                                                                                  |                                                                                            |                                                                                                 |                                                                                           |                                                                                         |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  FLJ |  1.6m + 17.4m |  15.4 t |  8.0m x 7.5m |  360 ° |  JPN |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|

|    | m    | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | m    |
|---------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|    | °    | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | °    |
|  m | 11.0 | 3.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 11.0 |
|                                                                                       | 12.0 | 3.3  | 3.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 12.0 |
|                                                                                       | 14.0 | 3.3  | 3.2  |      |      |      | 3.2  | 3.1  |      |      |      | 2.9  |      |      |      |      |      |      |      |      |      | 14.0 |
|                                                                                       | 16.0 | 3.3  | 3.1  |      |      |      | 3.2  | 3.0  |      |      |      | 2.9  | 2.9  |      |      |      | 2.8  | 2.7  |      |      |      | 16.0 |
|                                                                                       | 18.0 | 3.3  | 2.9  | 2.4  |      |      | 3.2  | 2.9  |      |      |      | 2.9  | 2.8  |      |      |      | 2.8  | 2.6  |      |      |      | 18.0 |
|                                                                                       | 20.0 | 3.3  | 2.8  | 2.3  | 1.9  |      | 3.1  | 2.7  | 2.3  |      |      | 2.9  | 2.7  | 2.2  |      |      | 2.8  | 2.6  |      |      |      | 20.0 |
|                                                                                       | 22.0 | 3.1  | 2.7  | 2.2  | 1.8  | 1.5  | 3.1  | 2.6  | 2.2  | 1.8  |      | 2.9  | 2.6  | 2.2  |      |      | 2.7  | 2.5  | 2.1  |      |      | 22.0 |
|                                                                                       | 24.0 | 3.0  | 2.5  | 2.1  | 1.8  | 1.5  | 2.9  | 2.5  | 2.1  | 1.8  | 1.5  | 2.8  | 2.5  | 2.1  | 1.8  |      | 2.7  | 2.5  | 2.1  | 1.8  |      | 24.0 |
|                                                                                       | 26.0 | 2.8  | 2.4  | 2.1  | 1.7  |      | 2.8  | 2.4  | 2.1  | 1.7  | 1.4  | 2.8  | 2.4  | 2.0  | 1.8  | 1.4  | 2.6  | 2.4  | 2.0  | 1.8  | 1.4  | 26.0 |
|                                                                                       | 28.0 | 2.7  | 2.3  | 2.0  | 1.6  |      | 2.7  | 2.3  | 2.0  | 1.7  | 1.4  | 2.7  | 2.3  | 2.0  | 1.7  | 1.4  | 2.6  | 2.3  | 2.0  | 1.7  | 1.4  | 28.0 |
|                                                                                       | 30.0 | 2.6  | 2.3  | 1.9  | 1.6  |      | 2.6  | 2.3  | 1.9  | 1.6  |      | 2.6  | 2.2  | 1.9  | 1.7  |      | 2.5  | 2.2  | 1.9  | 1.7  | 1.4  | 30.0 |
|                                                                                       | 32.0 | 2.5  | 2.2  | 1.9  | 1.6  |      | 2.5  | 2.2  | 1.9  | 1.6  |      | 2.5  | 2.2  | 1.9  | 1.6  |      | 2.5  | 2.2  | 1.8  | 1.6  |      | 32.0 |
|                                                                                       | 34.0 | 2.4  | 2.1  | 1.8  | 1.5  |      | 2.4  | 2.1  | 1.8  | 1.6  |      | 2.4  | 2.1  | 1.8  | 1.6  |      | 2.4  | 2.1  | 1.8  | 1.6  |      | 34.0 |
|                                                                                       | 36.0 | 2.3  | 2.0  | 1.7  | 1.5  |      | 2.3  | 2.0  | 1.8  | 1.5  |      | 2.3  | 2.0  | 1.8  | 1.6  |      | 2.3  | 2.0  | 1.7  | 1.6  |      | 36.0 |
|                                                                                       | 38.0 | 2.2  | 2.0  | 1.7  |      |      | 2.2  | 2.0  | 1.7  | 1.5  |      | 2.0  | 2.0  | 1.7  | 1.5  |      | 2.0  | 2.0  | 1.7  | 1.5  |      | 38.0 |
|                                                                                       | 40.0 | 2.1  | 1.9  | 1.6  |      |      | 2.0  | 1.9  | 1.7  | 1.5  |      | 1.6  | 1.9  | 1.7  | 1.5  |      |      | 1.9  | 1.7  | 1.5  |      | 40.0 |
| 44.0                                                                                  | 1.8  | 1.8  | 1.6  |      |      | 1.3  | 1.5  | 1.6  |      |      |      |      |      | 1.5  |      |      |      |      |      | 1.5  |      | 44.0 |
| 48.0                                                                                  | 1.2  | 1.4  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 48.0 |

# フルオートラフティングジブ



|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| FLJ                                                                               | 1.6m + 7.4m                                                                       | 7.1 t                                                                             | 8.0m x 7.5m                                                                       | 360°                                                                              | JPN                                                                               |

|  | m    | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | m    |
|-----------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | °    |
|  | 8.0  | 7.3  | 7.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 8.0  |
|                                                                                   | 9.0  | 7.3  | 7.3  | 7.3  |      |      |      | 7.3  |      |      |      |      |      |      |      |      |      |      |      |      |      | 9.0  |
|                                                                                   | 10.0 | 7.3  | 7.3  | 7.3  |      |      |      | 7.3  | 7.3  |      |      |      |      | 6.3  |      |      |      |      |      |      |      | 10.0 |
|                                                                                   | 11.0 | 7.3  | 7.3  | 7.3  | 6.1  | 4.5  |      | 7.3  | 7.3  | 7.3  |      |      |      | 6.3  | 6.3  |      |      |      | 5.3  |      |      | 11.0 |
|                                                                                   | 12.0 | 7.3  | 7.3  | 7.3  | 6.0  | 4.5  |      | 7.3  | 7.3  | 7.3  |      |      |      | 6.3  | 6.3  | 6.3  |      |      | 5.3  | 5.3  |      | 12.0 |
|                                                                                   | 14.0 | 7.3  | 7.3  | 7.3  | 5.8  | 4.4  |      | 7.3  | 7.3  | 7.3  | 6.0  | 4.5  |      | 6.3  | 6.3  | 6.3  | 6.0  | 4.5  | 5.3  | 5.3  | 5.3  | 14.0 |
|                                                                                   | 16.0 | 7.3  | 7.3  | 7.3  | 5.7  | 4.4  |      | 7.3  | 7.3  | 7.3  | 5.8  | 4.4  |      | 6.3  | 6.3  | 6.3  | 5.9  | 4.4  | 5.3  | 5.3  | 5.3  | 16.0 |
|                                                                                   | 18.0 | 7.3  | 7.3  | 6.9  | 5.5  |      |      | 7.3  | 7.3  | 7.3  | 5.7  | 4.3  |      | 6.3  | 6.3  | 6.3  | 5.7  | 4.4  | 5.3  | 5.3  | 5.3  | 18.0 |
|                                                                                   | 20.0 | 7.3  | 7.3  | 6.7  | 5.4  |      |      | 6.4  | 6.4  | 7.0  | 5.5  |      |      | 6.2  | 6.3  | 6.3  | 5.6  |      | 5.3  | 5.3  | 5.3  | 20.0 |
|                                                                                   | 22.0 | 5.7  | 6.1  | 6.4  | 5.3  |      |      | 4.9  | 5.3  | 5.8  | 5.4  |      |      | 4.3  | 4.7  | 5.3  | 5.5  |      | 4.2  | 4.7  | 5.3  | 22.0 |
|                                                                                   | 24.0 | 4.2  | 4.5  | 4.9  | 5.2  |      |      | 3.4  | 3.8  | 4.2  | 4.5  |      |      | 2.8  | 3.2  | 3.7  | 4.1  |      | 2.8  | 3.2  | 3.7  | 24.0 |
|                                                                                   | 26.0 | 3.1  | 3.3  | 3.7  | 3.9  |      |      | 2.3  | 2.6  | 3.0  | 3.2  |      |      | 1.7  | 2.1  | 2.5  | 2.8  |      | 1.7  | 2.0  | 2.5  | 26.0 |
|                                                                                   | 28.0 | 2.1  | 2.4  | 2.6  |      |      |      | 1.4  | 1.7  | 2.0  | 2.2  |      |      | 0.9  | 1.2  | 1.5  | 1.8  |      |      |      | 1.5  | 28.0 |
|                                                                                   | 30.0 | 1.4  | 1.6  | 1.8  |      |      |      |      | 0.9  | 1.2  | 1.4  |      |      |      |      | 1.0  |      |      |      |      |      | 30.0 |
|                                                                                   | 32.0 | 0.8  | 1.0  | 1.2  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 32.0 |

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| FLJ                                                                               | 1.6m + 12.4m                                                                      | 7.1 t                                                                             | 8.0m x 7.5m                                                                       | 360°                                                                              | JPN                                                                               |

|  | m    | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | m    |      |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | °    |      |
|  | 9.0  | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 9.0  |      |
|                                                                                     | 10.0 | 4.3  | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 10.0 |      |
|                                                                                     | 11.0 | 4.3  | 4.3  |      |      |      | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 11.0 |      |
|                                                                                     | 12.0 | 4.3  | 4.3  |      |      |      | 4.3  | 4.3  |      |      |      | 4.3  |      |      |      |      |      |      |      |      |      | 12.0 |      |
|                                                                                     | 14.0 | 4.3  | 4.3  | 4.2  |      |      | 4.3  | 4.3  |      |      |      | 4.3  | 4.3  |      |      |      | 3.3  | 3.3  |      |      |      | 14.0 |      |
|                                                                                     | 16.0 | 4.3  | 4.3  | 4.0  | 3.2  | 2.4  | 4.3  | 4.3  | 3.9  |      |      | 4.3  | 4.3  | 3.8  |      |      | 3.3  | 3.3  |      |      |      | 16.0 |      |
|                                                                                     | 18.0 | 4.3  | 4.3  | 3.9  | 3.1  | 2.4  | 4.3  | 4.3  | 3.8  | 3.2  | 2.4  | 4.3  | 4.3  | 3.7  | 3.2  |      | 3.3  | 3.3  | 3.3  |      |      | 18.0 |      |
|                                                                                     | 20.0 | 4.3  | 4.3  | 3.7  | 3.0  | 2.3  | 4.3  | 4.3  | 3.7  | 3.1  | 2.3  | 4.3  | 4.3  | 3.6  | 3.1  | 2.3  | 3.3  | 3.3  | 3.3  | 3.1  | 2.3  | 20.0 |      |
|                                                                                     | 22.0 | 4.3  | 4.3  | 3.6  | 2.9  |      | 4.3  | 4.3  | 3.5  | 3.0  | 2.3  | 4.3  | 4.2  | 3.5  | 3.1  | 2.3  | 3.3  | 3.3  | 3.3  | 3.0  | 2.3  | 22.0 |      |
|                                                                                     | 24.0 | 4.3  | 4.0  | 3.5  | 2.9  |      | 4.2  | 4.1  | 3.4  | 2.9  |      | 3.7  | 4.0  | 3.4  | 3.0  | 2.3  | 3.3  | 3.3  | 3.3  | 3.0  | 2.3  | 24.0 |      |
|                                                                                     | 26.0 | 3.9  | 3.8  | 3.4  | 2.8  |      | 3.1  | 3.6  | 3.3  | 2.9  |      | 2.5  | 3.1  | 3.2  | 2.9  |      | 2.4  | 3.0  | 3.2  | 2.9  |      | 26.0 |      |
|                                                                                     | 28.0 | 2.9  | 3.3  | 3.2  | 2.7  |      | 2.1  | 2.6  | 3.2  | 2.8  |      | 1.6  | 2.1  | 2.7  | 2.9  |      | 1.5  | 2.0  | 2.7  | 2.8  |      | 28.0 |      |
|                                                                                     | 30.0 | 2.1  | 2.5  | 2.9  | 2.7  |      | 1.4  | 1.8  | 2.3  | 2.7  |      | 0.9  | 1.3  | 1.9  | 2.3  |      |      | 1.3  | 1.8  | 2.2  |      | 30.0 |      |
|                                                                                     | 32.0 | 1.5  | 1.8  | 2.2  |      |      | 0.8  | 1.1  | 1.6  | 1.9  |      |      |      | 1.2  | 1.5  |      |      |      |      | 1.1  | 1.5  |      | 32.0 |
|                                                                                     | 34.0 | 1.0  | 1.2  | 1.5  |      |      |      |      |      | 1.0  | 1.2  |      |      |      |      | 0.9  |      |      |      |      |      |      | 34.0 |
|                                                                                     | 36.0 |      |      | 1.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 36.0 |

|                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| FLJ                                                                                 | 1.6m + 17.4m                                                                        | 7.1 t                                                                               | 8.0m x 7.5m                                                                         | 360°                                                                                | JPN                                                                                 |

|  | m    | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | m    |      |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | 5    | 15   | 30   | 45   | 60   | °    |      |
|  | 11.0 | 3.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 11.0 |      |
|                                                                                     | 12.0 | 3.3  | 3.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 12.0 |      |
|                                                                                     | 14.0 | 3.3  | 3.2  |      |      |      | 3.2  | 3.1  |      |      |      | 2.9  |      |      |      |      |      |      |      |      |      | 14.0 |      |
|                                                                                     | 16.0 | 3.3  | 3.1  |      |      |      | 3.2  | 3.0  |      |      |      | 2.9  | 2.9  |      |      |      | 2.8  | 2.7  |      |      |      | 16.0 |      |
|                                                                                     | 18.0 | 3.3  | 2.9  | 2.4  |      |      | 3.2  | 2.9  |      |      |      | 2.9  | 2.8  |      |      |      | 2.8  | 2.6  |      |      |      | 18.0 |      |
|                                                                                     | 20.0 | 3.3  | 2.8  | 2.3  | 1.9  |      | 3.1  | 2.7  | 2.3  |      |      | 2.9  | 2.7  | 2.2  |      |      | 2.8  | 2.6  |      |      |      | 20.0 |      |
|                                                                                     | 22.0 | 3.1  | 2.7  | 2.2  | 1.8  | 1.5  | 3.1  | 2.6  | 2.2  | 1.8  |      | 2.9  | 2.6  | 2.2  |      |      | 2.7  | 2.5  | 2.1  |      |      | 22.0 |      |
|                                                                                     | 24.0 | 3.0  | 2.5  | 2.1  | 1.8  | 1.5  | 2.9  | 2.5  | 2.1  | 1.8  | 1.5  | 2.8  | 2.5  | 2.1  | 1.8  |      | 2.7  | 2.5  | 2.1  | 1.8  |      | 24.0 |      |
|                                                                                     | 26.0 | 2.8  | 2.4  | 2.1  | 1.7  |      | 2.8  | 2.4  | 2.1  | 1.7  | 1.4  | 2.8  | 2.4  | 2.0  | 1.8  | 1.4  | 2.6  | 2.4  | 2.0  | 1.8  | 1.4  | 26.0 |      |
|                                                                                     | 28.0 | 2.6  | 2.3  | 2.0  | 1.6  |      | 2.7  | 2.3  | 2.0  | 1.7  | 1.4  | 2.3  | 2.3  | 2.0  | 1.7  | 1.4  | 2.2  | 2.3  | 2.0  | 1.7  | 1.4  | 28.0 |      |
|                                                                                     | 30.0 | 2.5  | 2.2  | 1.9  | 1.6  |      | 2.0  | 2.2  | 1.9  | 1.6  |      | 1.5  | 2.1  | 1.9  | 1.7  |      | 1.4  | 2.0  | 1.9  | 1.7  | 1.4  | 30.0 |      |
|                                                                                     | 32.0 | 2.1  | 2.1  | 1.9  | 1.6  |      | 1.4  | 1.9  | 1.9  | 1.6  |      | 0.9  | 1.4  | 1.9  | 1.6  |      |      | 1.3  | 1.8  | 1.6  |      | 32.0 |      |
|                                                                                     | 34.0 | 1.6  | 1.9  | 1.8  | 1.5  |      | 0.8  | 1.3  | 1.8  | 1.6  |      |      | 0.8  | 1.5  | 1.6  |      |      |      | 1.4  | 1.6  |      | 34.0 |      |
|                                                                                     | 36.0 | 1.1  | 1.4  | 1.7  | 1.5  |      |      | 0.8  | 1.3  | 1.5  |      |      |      | 0.9  | 1.3  |      |      |      |      | 1.3  |      | 36.0 |      |
|                                                                                     | 38.0 |      | 1.0  | 1.3  |      |      |      |      | 0.8  | 1.1  |      |      |      |      | 0.8  |      |      |      |      |      |      |      | 38.0 |
|                                                                                     | 40.0 |      |      | 0.9  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 40.0 |

オールテレーンクレーン  
**ATF-140N-5.1**  
油圧チルトジブ

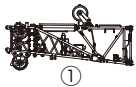


# 油圧チルトジブ

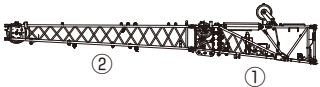


## ■ 油圧チルトジブ(HLJ)の構成

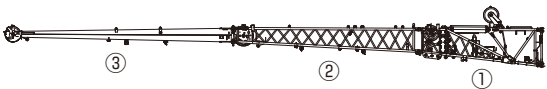
| 記 号 | 名 称    | 長 さ         |
|-----|--------|-------------|
| ①   | ベースジブ  | 1.0 m+2.8 m |
| ②   | ミドルAジブ | 6.4 m       |
| ③   | トップジブ  | 7.8 m       |
| ④   | ミドルBジブ | 7.0 m       |



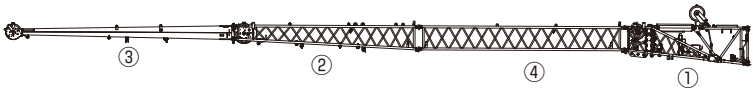
1.0m+ 2.8mジブ



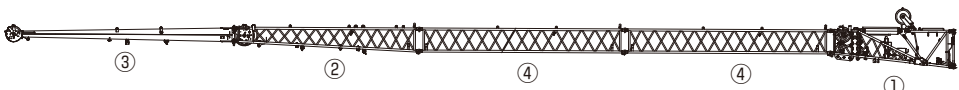
1.0m+ 9.2mジブ



1.0m+17.0mジブ



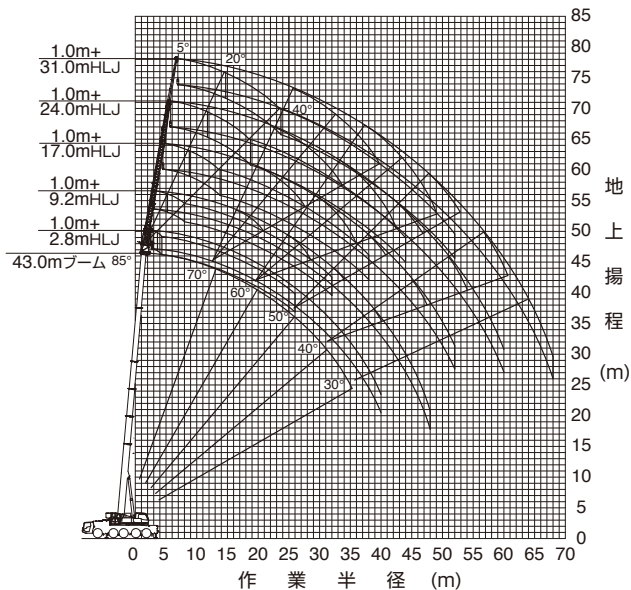
1.0m+24.0mジブ



1.0m+31.0mジブ

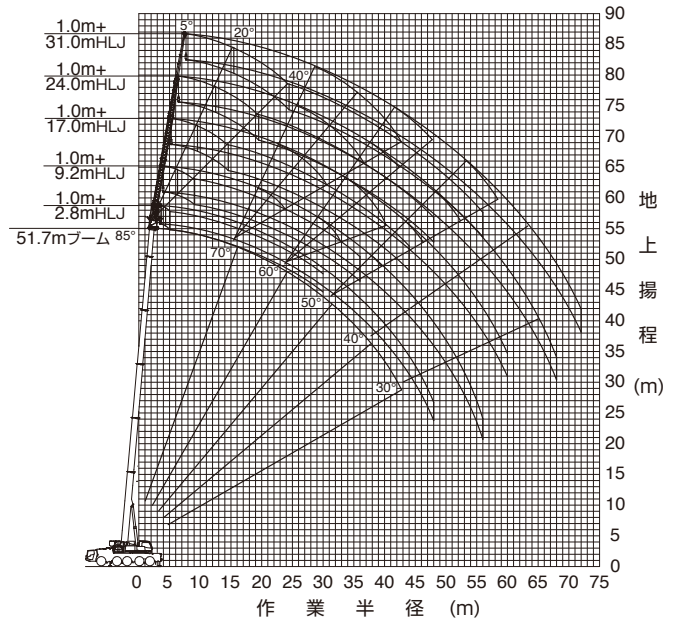
## ブーム+油圧チルトジブ(HLJ)作業半径－揚程図

43.0mブーム+油圧チルトジブ



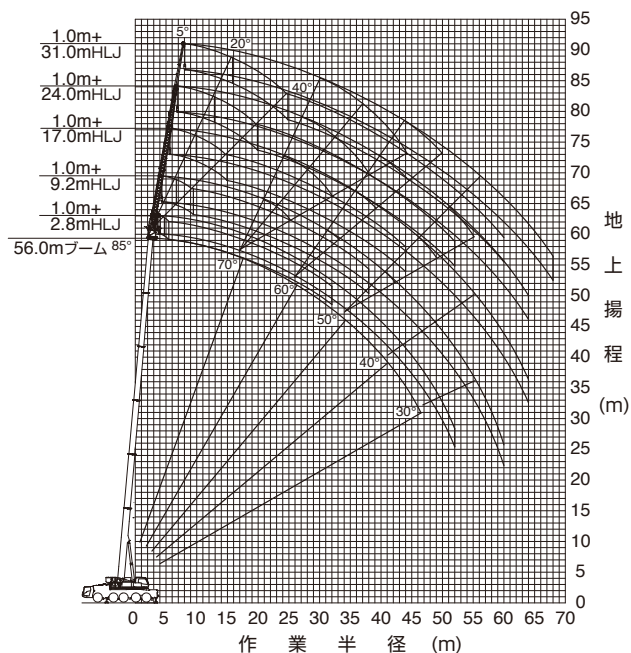
- (注意) 1. 上図はブームおよびジブのたわみを含んでいません。  
2. カウンタウエイト40.9t、アウトリガ張出幅7.5m時の性能を図示しています。

51.7mブーム+油圧チルトジブ



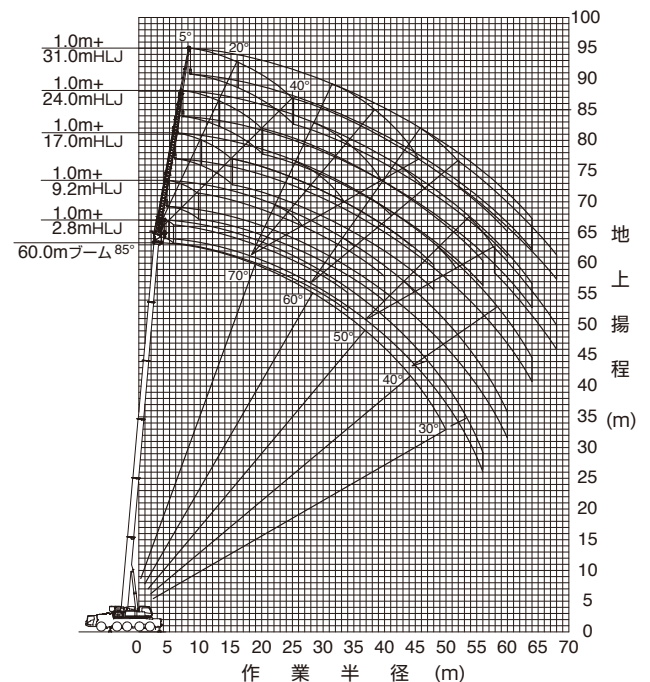
- (注意) 1. 上図はブームおよびジブのたわみを含んでいません。  
2. カウンタウエイト40.9t、アウトリガ張出幅7.5m時の性能を図示しています。

56.0mブーム+油圧チルトジブ



- (注意) 1. 上図はブームおよびジブのたわみを含んでいません。  
2. カウンタウエイト40.9t、アウトリガ張出幅7.5m時の性能を図示しています。

60.0mブーム+油圧チルトジブ



- (注意) 1. 上図はブームおよびジブのたわみを含んでいません。  
2. カウンタウエイト40.9t、アウトリガ張出幅7.5m時の性能を図示しています。



ブーム+油圧チルトジブ(HLJ)定格総荷重表

■ 定格総荷重表注意事項

- ◆性能設定のあるカウンタウエイトとアウトリガ張出幅の組合せを、下表に○印で示します。  
本仕様書では、の定格総荷重表のみ記載しています。  
また、各ブーム長さにおいて異なる伸縮状態の中から最大になる性能を抜粋し記載しています。  
※同じブーム長さでも、ブームの伸長状態によって定格総荷重が異なります。  
このため、アウトリガ張出幅・カウンタウエイト重量に応じた定格総荷重および他の詳細については、別冊の仕様書を参照してください。

| アウトリガ張出幅 \ カウンタウエイト | 40.9 t                                                                                   | 28.9 t                                                                                   | 25.4 t                                                                                   | 15.4 t                                                                                   | 7.1 t                                                                                    | 0 t                                                                               |
|---------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 7.5 m               | <br>P27 | <br>P29 | <br>P31 | <br>P33 | <br>P35 |  |
| 6.2 m               |         |         |         |         |         |  |
| 5.0 m               |         |         |         |         |         |  |
| 4.1 m               |         |         |         |         |         |  |

- ◆Bピン（ブーム固定ピン）を挿入していないときの定格総荷重は20.0tに制限されます。
- ◆定格総荷重は、つり具質量とフック質量（60tフック: 600kg、26tフック: 450kg、8.7tフック: 300kg）を含んだ値を示します。
- ◆定格総荷重は、ブームとジブのたわみを含んだ実際の作業半径に基づいています。
- ◆各状態ごとの標準巻掛本数は別冊の仕様書を参照してください。
- ◆定格総荷重はアウトリガを水平堅土上に設置したときの値です。
- ◆定格総荷重表は、風による影響を含んでいません。瞬間最大風速が10m／s以上の風速では、クレーン作業を中止してください。

定格総荷重表中のシンボル、記号の説明

|                                                                                     |                            |                                                                                     |                                         |
|-------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------|-----------------------------------------|
|  | 油圧チルトジブ (HLJ) の定格総荷重を示します。 |  | ブーム長さを示します。                             |
|  | 油圧チルトジブ (HLJ) のジブ長さを示します。  |  | ジブのオフセット角度を示し、ブームの中心線とジブの中心線のなす角度を示します。 |
|  | カウンタウエイト (C/W) 組合せを示します。   |  | 作業半径を示します。                              |
|  | アウトリガ張出幅を示します。             |                                                                                     |                                         |
|  | 吊上げ可能な旋回範囲を示します。           |                                                                                     |                                         |
|  | 定格総荷重の単位を示します。             |                                                                                     |                                         |

# 油圧チルトジブ



|                                                                                       |                                                                                               |                                                                                          |                                                                                               |                                                                                        |                                                                                       |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  HLJ |  1.0m + 2.8m |  40.9 t |  8.0m x 7.5m |  360° |  JPN |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  m | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  ° | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  m | 7.0  | 17.1 | 17.1 |      |      |      |      |      |      |      |      |      | 7.0  |
|                                                                                     | 8.0  | 17.1 | 17.1 |      | 11.1 |      |      |      |      |      |      |      | 8.0  |
|                                                                                     | 9.0  | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  |      | 9.0  |
|                                                                                     | 10.0 | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 10.0 |
|                                                                                     | 11.0 | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 11.0 |
|                                                                                     | 12.0 | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 12.0 |
|                                                                                     | 14.0 | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 14.0 |
|                                                                                     | 16.0 | 17.1 | 17.1 | 16.8 | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 16.0 |
|                                                                                     | 18.0 | 15.6 | 15.5 | 15.4 | 11.1 | 11.1 | 11.1 | 9.0  | 9.0  | 9.0  | 7.8  | 7.8  | 18.0 |
|                                                                                     | 20.0 | 14.2 | 14.1 | 14.0 | 11.1 | 11.1 | 11.1 | 9.0  | 9.0  | 9.0  | 7.8  | 7.8  | 20.0 |
|                                                                                     | 22.0 | 12.9 | 12.8 | 12.8 | 10.9 | 10.7 | 10.5 | 9.0  | 9.0  | 9.0  | 7.8  | 7.8  | 22.0 |
|                                                                                     | 24.0 | 11.8 | 11.8 | 11.7 | 10.2 | 10.0 | 9.8  | 9.0  | 9.0  | 8.9  | 7.6  | 7.4  | 24.0 |
|                                                                                     | 26.0 | 10.7 | 10.8 | 10.8 | 9.5  | 9.3  | 9.2  | 8.6  | 8.4  | 8.3  | 7.1  | 6.9  | 26.0 |
|                                                                                     | 28.0 | 9.4  | 9.5  |      | 8.9  | 8.8  | 8.7  | 8.0  | 7.9  | 7.8  | 6.6  | 6.5  | 28.0 |
|                                                                                     | 30.0 | 8.3  | 8.3  |      | 8.2  | 8.2  | 8.2  | 7.6  | 7.5  | 7.4  | 6.2  | 6.1  | 30.0 |
|                                                                                     | 32.0 | 7.3  | 7.3  |      | 7.5  | 7.5  |      | 7.1  | 7.0  | 7.0  | 5.8  | 5.7  | 32.0 |
|                                                                                     | 34.0 | 6.4  | 6.5  |      | 6.7  | 6.8  |      | 6.7  | 6.6  |      | 5.5  | 5.4  | 34.0 |
|                                                                                     | 36.0 | 5.7  | 5.7  |      | 6.0  | 6.0  |      | 6.2  | 6.3  |      | 5.1  | 5.1  | 36.0 |
|                                                                                     | 38.0 | 5.0  |      |      | 5.6  | 5.6  |      | 5.6  | 5.6  |      | 4.7  | 4.8  | 38.0 |
|                                                                                     | 40.0 | 4.5  |      |      | 5.2  | 5.2  |      | 5.0  | 5.0  |      | 4.4  | 4.4  | 40.0 |
|                                                                                     | 44.0 |      |      |      | 4.3  |      |      | 3.9  | 4.0  |      | 3.7  | 3.7  | 44.0 |
|                                                                                     | 48.0 |      |      |      | 3.5  |      |      | 3.1  |      |      | 3.1  | 3.1  | 48.0 |
|                                                                                     | 52.0 |      |      |      |      |      |      | 2.4  |      |      | 2.4  |      | 52.0 |
|                                                                                     | 56.0 |      |      |      |      |      |      |      |      |      | 1.8  |      | 56.0 |

|                                                                                       |                                                                                               |                                                                                          |                                                                                               |                                                                                        |                                                                                       |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  HLJ |  1.0m + 9.2m |  40.9 t |  8.0m x 7.5m |  360° |  JPN |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  m | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|---------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  ° | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  m | 9.0  | 10.6 |      |      |      |      |      |      |      |      |      |      | 9.0  |
|                                                                                       | 10.0 | 10.6 |      |      |      |      |      |      |      |      |      |      | 10.0 |
|                                                                                       | 11.0 | 10.6 |      |      | 7.0  |      |      | 6.4  |      |      |      |      | 11.0 |
|                                                                                       | 12.0 | 10.6 | 10.6 | 8.3  | 7.0  |      |      | 6.4  |      |      | 5.7  |      | 12.0 |
|                                                                                       | 14.0 | 10.6 | 10.6 | 7.9  | 7.0  | 7.0  |      | 6.4  |      |      | 5.7  |      | 14.0 |
|                                                                                       | 16.0 | 10.6 | 10.2 | 7.6  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  |      | 5.7  | 16.0 |
|                                                                                       | 18.0 | 10.6 | 9.6  | 7.4  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 18.0 |
|                                                                                       | 20.0 | 10.6 | 9.2  | 7.1  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 20.0 |
|                                                                                       | 22.0 | 10.6 | 8.7  | 6.9  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 22.0 |
|                                                                                       | 24.0 | 10.6 | 8.3  | 6.7  | 7.0  | 7.0  | 6.9  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 24.0 |
|                                                                                       | 26.0 | 10.0 | 8.0  | 6.6  | 7.0  | 7.0  | 6.7  | 6.4  | 6.4  | 6.4  | 5.5  | 5.4  | 26.0 |
|                                                                                       | 28.0 | 9.4  | 7.6  | 6.4  | 7.0  | 7.0  | 6.6  | 6.4  | 6.4  | 6.2  | 5.4  | 5.1  | 28.0 |
|                                                                                       | 30.0 | 8.6  | 7.4  | 6.3  | 7.0  | 7.0  | 6.4  | 6.4  | 6.2  | 5.9  | 5.0  | 4.8  | 30.0 |
|                                                                                       | 32.0 | 7.6  | 7.1  | 6.2  | 7.0  | 6.8  | 6.3  | 6.2  | 5.9  | 5.7  | 4.7  | 4.5  | 32.0 |
|                                                                                       | 34.0 | 6.8  | 6.9  |      | 6.5  | 6.4  | 6.2  | 6.0  | 5.7  | 5.5  | 4.4  | 4.2  | 34.0 |
|                                                                                       | 36.0 | 6.0  | 6.3  |      | 6.0  | 6.1  | 5.9  | 5.7  | 5.4  | 5.3  | 4.1  | 4.0  | 36.0 |
|                                                                                       | 38.0 | 5.4  | 5.6  |      | 5.5  | 5.7  |      | 5.4  | 5.2  | 5.1  | 3.9  | 3.7  | 38.0 |
|                                                                                       | 40.0 | 4.8  | 5.0  |      | 5.0  | 5.2  |      | 5.0  | 5.0  |      | 3.7  | 3.5  | 40.0 |
|                                                                                       | 44.0 | 3.8  |      |      | 4.1  | 4.2  |      | 4.2  | 4.4  |      | 3.3  | 3.2  | 44.0 |
|                                                                                       | 48.0 | 3.0  |      |      | 3.6  | 3.7  |      | 3.4  | 3.5  |      | 2.9  | 2.9  | 48.0 |
|                                                                                       | 52.0 |      |      |      | 3.0  |      |      | 2.7  | 2.8  |      | 2.5  | 2.6  | 52.0 |
|                                                                                       | 56.0 |      |      |      | 2.5  |      |      | 2.0  |      |      | 2.0  | 2.1  | 56.0 |
|                                                                                       | 60.0 |      |      |      |      |      |      | 1.4  |      |      | 1.4  |      | 60.0 |
|                                                                                       | 64.0 |      |      |      |      |      |      |      |      |      |      |      | 64.0 |

|                                                                                         |                                                                                                  |                                                                                            |                                                                                                 |                                                                                          |                                                                                         |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  HLJ |  1.0m + 17.0m |  40.9 t |  8.0m x 7.5m |  360° |  JPN |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|

|  m | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|---------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  ° | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  m | 12.0 | 5.5  |      |      |      |      |      |      |      |      |      |      | 12.0 |
|                                                                                       | 14.0 | 5.4  | 4.3  |      | 4.1  |      |      |      |      |      |      |      | 14.0 |
|                                                                                       | 16.0 | 5.1  | 4.1  |      | 4.1  | 4.0  |      | 3.9  | 3.8  |      | 3.6  | 3.6  | 16.0 |
|                                                                                       | 18.0 | 4.8  | 3.9  | 3.2  | 4.1  | 3.8  |      | 3.9  | 3.7  |      | 3.6  | 3.6  | 18.0 |
|                                                                                       | 20.0 | 4.6  | 3.8  | 3.1  | 4.1  | 3.7  | 3.1  | 3.9  | 3.6  |      | 3.6  | 3.5  | 20.0 |
|                                                                                       | 22.0 | 4.4  | 3.6  | 3.0  | 4.1  | 3.5  | 3.0  | 3.9  | 3.5  | 2.9  | 3.6  | 3.4  | 22.0 |
|                                                                                       | 24.0 | 4.2  | 3.5  | 3.0  | 4.1  | 3.4  | 2.9  | 3.9  | 3.3  | 2.9  | 3.6  | 3.3  | 24.0 |
|                                                                                       | 26.0 | 4.0  | 3.3  | 2.9  | 4.0  | 3.3  | 2.8  | 3.8  | 3.2  | 2.8  | 3.6  | 3.2  | 26.0 |
|                                                                                       | 28.0 | 3.8  | 3.2  | 2.8  | 3.8  | 3.2  | 2.8  | 3.7  | 3.1  | 2.7  | 3.6  | 3.1  | 28.0 |
|                                                                                       | 30.0 | 3.7  | 3.1  | 2.8  | 3.7  | 3.1  | 2.7  | 3.6  | 3.1  | 2.7  | 3.5  | 3.0  | 30.0 |
|                                                                                       | 32.0 | 3.5  | 3.0  | 2.7  | 3.5  | 3.0  | 2.7  | 3.5  | 3.0  | 2.6  | 3.4  | 2.9  | 32.0 |
|                                                                                       | 34.0 | 3.4  | 2.9  | 2.6  | 3.4  | 2.9  | 2.6  | 3.4  | 2.9  | 2.6  | 3.3  | 2.9  | 34.0 |
|                                                                                       | 36.0 | 3.3  | 2.9  | 2.6  | 3.3  | 2.9  | 2.6  | 3.3  | 2.8  | 2.5  | 3.2  | 2.8  | 36.0 |
|                                                                                       | 38.0 | 3.2  | 2.8  | 2.6  | 3.2  | 2.8  | 2.5  | 3.2  | 2.8  | 2.5  | 3.2  | 2.7  | 38.0 |
|                                                                                       | 40.0 | 3.1  | 2.7  |      | 3.1  | 2.7  | 2.5  | 3.1  | 2.7  | 2.4  | 3.0  | 2.7  | 40.0 |
|                                                                                       | 44.0 | 2.9  | 2.6  |      | 3.0  | 2.6  | 2.4  | 2.9  | 2.6  | 2.4  | 2.7  | 2.5  | 44.0 |
|                                                                                       | 48.0 | 2.8  | 2.5  |      | 2.8  | 2.5  |      | 2.8  | 2.5  |      | 2.4  | 2.3  | 48.0 |
|                                                                                       | 52.0 | 2.7  |      |      | 2.7  | 2.4  |      | 2.7  | 2.4  |      | 2.1  | 2.1  | 52.0 |
|                                                                                       | 56.0 |      |      |      | 2.6  | 2.4  |      | 2.4  | 2.3  |      | 1.9  | 1.9  | 56.0 |
|                                                                                       | 60.0 |      |      |      | 2.2  |      |      | 1.8  | 2.0  |      | 1.7  | 1.7  | 60.0 |
|                                                                                       | 64.0 |      |      |      |      |      |      | 1.4  |      |      | 1.3  | 1.4  | 64.0 |



# 油圧チルトジブ



|                                                                                          |                                                                                                   |                                                                                             |                                                                                                  |                                                                                            |                                                                                          |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>HLJ | <br>1.0m + 24.0m | <br>40.9 t | <br>8.0m x 7.5m | <br>360 ° | <br>JPN |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

|  m | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |      |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  ° | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |      |
|  m | 14.0 | 3.8  |      |      |      |      |      |      |      |      |      |      | 14.0 |      |
|                                                                                     | 16.0 | 3.8  |      |      | 3.0  |      |      |      |      |      |      |      | 16.0 |      |
|                                                                                     | 18.0 | 3.8  | 3.8  |      | 3.0  | 3.0  |      | 2.9  |      |      |      |      | 18.0 |      |
|                                                                                     | 20.0 | 3.8  | 3.6  |      | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  |      | 20.0 |      |
|                                                                                     | 22.0 | 3.8  | 3.5  |      | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  | 2.4  | 22.0 |      |
|                                                                                     | 24.0 | 3.8  | 3.3  | 2.5  | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  | 2.4  | 24.0 |      |
|                                                                                     | 26.0 | 3.8  | 3.2  | 2.4  | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  | 2.4  | 26.0 |      |
|                                                                                     | 28.0 | 3.7  | 3.0  | 2.3  | 3.0  | 3.0  | 2.3  | 2.9  | 2.9  | 2.3  | 2.4  | 2.4  | 28.0 |      |
|                                                                                     | 30.0 | 3.5  | 2.9  | 2.3  | 3.0  | 2.9  | 2.3  | 2.9  | 2.9  | 2.3  | 2.4  | 2.4  | 2.0  | 30.0 |
|                                                                                     | 32.0 | 3.4  | 2.8  | 2.2  | 3.0  | 2.8  | 2.2  | 2.9  | 2.8  | 2.2  | 2.4  | 2.4  | 2.0  | 32.0 |
|                                                                                     | 34.0 | 3.3  | 2.6  | 2.1  | 3.0  | 2.7  | 2.2  | 2.9  | 2.8  | 2.2  | 2.4  | 2.4  | 1.9  | 34.0 |
|                                                                                     | 36.0 | 3.1  | 2.5  | 2.1  | 3.0  | 2.6  | 2.1  | 2.9  | 2.7  | 2.1  | 2.4  | 2.4  | 1.9  | 36.0 |
|                                                                                     | 38.0 | 3.0  | 2.4  | 2.0  | 3.0  | 2.5  | 2.1  | 2.9  | 2.6  | 2.1  | 2.4  | 2.3  | 1.9  | 38.0 |
|                                                                                     | 40.0 | 2.8  | 2.3  | 2.0  | 3.0  | 2.4  | 2.0  | 2.9  | 2.5  | 2.0  | 2.4  | 2.3  | 1.8  | 40.0 |
|                                                                                     | 44.0 | 2.6  | 2.2  | 1.9  | 2.8  | 2.3  | 1.9  | 2.8  | 2.3  | 1.9  | 2.2  | 2.1  | 1.7  | 44.0 |
|                                                                                     | 48.0 | 2.4  | 2.1  |      | 2.6  | 2.2  | 1.9  | 2.7  | 2.2  | 1.9  | 1.9  | 1.9  | 1.7  | 48.0 |
|                                                                                     | 52.0 | 2.2  | 1.9  |      | 2.4  | 2.0  |      | 2.5  | 2.1  | 1.8  | 1.7  | 1.7  | 1.6  | 52.0 |
|                                                                                     | 56.0 | 2.0  | 1.8  |      | 2.2  | 1.9  |      | 2.3  | 2.0  |      | 1.5  | 1.5  | 1.5  | 56.0 |
|                                                                                     | 60.0 | 1.9  |      |      | 2.0  | 1.9  |      | 2.0  | 1.9  |      | 1.4  | 1.3  |      | 60.0 |
|                                                                                     | 64.0 |      |      |      | 1.8  | 1.8  |      | 1.5  | 1.7  |      | 1.2  | 1.2  |      | 64.0 |
|                                                                                     | 68.0 |      |      |      | 1.4  |      |      |      |      |      |      | 1.1  |      | 68.0 |

|                                                                                          |                                                                                                   |                                                                                             |                                                                                                  |                                                                                            |                                                                                          |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>HLJ | <br>1.0m + 31.0m | <br>40.9 t | <br>8.0m x 7.5m | <br>360 ° | <br>JPN |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

|    | m    | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|---------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|    | °    | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  m | 16.0 | 2.7  |      |      |      |      |      |      |      |      |      |      |      | 16.0 |
|                                                                                       | 18.0 | 2.7  |      |      | 2.2  |      |      |      |      |      |      |      |      | 18.0 |
|                                                                                       | 20.0 | 2.7  |      |      | 2.2  |      |      |      |      |      |      |      |      | 20.0 |
|                                                                                       | 22.0 | 2.7  | 2.6  |      | 2.2  |      |      | 2.1  |      |      | 1.6  |      |      | 22.0 |
|                                                                                       | 24.0 | 2.7  | 2.5  |      | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  |      |      | 24.0 |
|                                                                                       | 26.0 | 2.7  | 2.3  |      | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  | 1.6  |      | 26.0 |
|                                                                                       | 28.0 | 2.7  | 2.2  |      | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  | 1.6  |      | 28.0 |
|                                                                                       | 30.0 | 2.7  | 2.1  | 1.6  | 2.2  | 2.1  |      | 2.1  | 2.1  |      | 1.6  | 1.6  |      | 30.0 |
|                                                                                       | 32.0 | 2.6  | 2.0  | 1.5  | 2.2  | 2.0  |      | 2.1  | 2.0  |      | 1.6  | 1.6  |      | 32.0 |
|                                                                                       | 34.0 | 2.5  | 1.9  | 1.4  | 2.2  | 1.9  | 1.4  | 2.1  | 1.9  | 1.4  | 1.6  | 1.6  |      | 34.0 |
|                                                                                       | 36.0 | 2.3  | 1.8  | 1.4  | 2.2  | 1.9  | 1.4  | 2.1  | 1.9  | 1.4  | 1.6  | 1.6  | 1.2  | 36.0 |
|                                                                                       | 38.0 | 2.2  | 1.7  | 1.3  | 2.2  | 1.8  | 1.4  | 2.1  | 1.8  | 1.4  | 1.6  | 1.6  | 1.2  | 38.0 |
|                                                                                       | 40.0 | 2.1  | 1.7  | 1.3  | 2.2  | 1.7  | 1.3  | 2.1  | 1.7  | 1.3  | 1.6  | 1.6  | 1.2  | 40.0 |
|                                                                                       | 44.0 | 1.9  | 1.5  | 1.2  | 2.0  | 1.6  | 1.2  | 2.0  | 1.6  | 1.2  | 1.6  | 1.5  | 1.1  | 44.0 |
|                                                                                       | 48.0 | 1.7  | 1.4  | 1.2  | 1.8  | 1.5  | 1.2  | 1.8  | 1.5  | 1.2  | 1.6  | 1.4  | 1.1  | 48.0 |
|                                                                                       | 52.0 | 1.5  | 1.3  | 1.1  | 1.6  | 1.4  | 1.1  | 1.7  | 1.4  | 1.1  | 1.4  | 1.3  | 1.0  | 52.0 |
|                                                                                       | 56.0 | 1.4  | 1.2  |      | 1.5  | 1.3  | 1.1  | 1.5  | 1.3  | 1.1  | 1.2  | 1.2  | 1.0  | 56.0 |
|                                                                                       | 60.0 | 1.3  | 1.1  |      | 1.4  | 1.2  |      | 1.4  | 1.2  | 1.1  | 1.0  | 1.0  | 0.9  | 60.0 |
|                                                                                       | 64.0 | 1.2  | 1.1  |      | 1.3  | 1.1  |      | 1.3  | 1.2  |      | 0.9  | 0.9  |      | 64.0 |
|                                                                                       | 68.0 | 1.1  |      |      | 1.1  | 1.1  |      | 1.1  | 1.1  |      |      | 0.8  |      | 68.0 |
|                                                                                       | 72.0 |      |      |      | 1.0  |      |      |      |      |      |      |      |      | 72.0 |

# 油圧チルトジブ



|                                                                                       |                                                                                               |                                                                                          |                                                                                               |                                                                                        |                                                                                       |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  HLJ |  1.0m + 2.8m |  28.9 t |  8.0m x 7.5m |  360° |  JPN |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  m | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  ° | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  m | 7.0  | 17.1 | 17.1 |      |      |      |      |      |      |      |      |      | 7.0  |
|                                                                                     | 8.0  | 17.1 | 17.1 |      | 11.1 |      |      |      |      |      |      |      | 8.0  |
|                                                                                     | 9.0  | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  |      | 9.0  |
|                                                                                     | 10.0 | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 10.0 |
|                                                                                     | 11.0 | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 11.0 |
|                                                                                     | 12.0 | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 12.0 |
|                                                                                     | 14.0 | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 14.0 |
|                                                                                     | 16.0 | 17.1 | 17.1 | 16.8 | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 16.0 |
|                                                                                     | 18.0 | 15.6 | 15.5 | 15.4 | 11.1 | 11.1 | 11.1 | 9.0  | 9.0  | 9.0  |      | 7.8  | 18.0 |
|                                                                                     | 20.0 | 13.1 | 13.3 | 13.5 | 11.1 | 11.1 | 11.1 | 9.0  | 9.0  | 9.0  | 7.8  | 7.8  | 20.0 |
|                                                                                     | 22.0 | 11.1 | 11.2 | 11.4 | 10.9 | 10.7 | 10.5 | 9.0  | 9.0  | 9.0  | 7.8  | 7.8  | 22.0 |
|                                                                                     | 24.0 | 9.5  | 9.6  | 9.7  | 9.8  | 9.9  | 9.8  | 9.0  | 9.0  | 8.9  | 7.6  | 7.4  | 24.0 |
|                                                                                     | 26.0 | 8.1  | 8.2  | 8.3  | 8.4  | 8.5  | 8.7  | 8.6  | 8.4  | 8.3  | 7.1  | 6.9  | 26.0 |
|                                                                                     | 28.0 | 7.0  | 7.1  |      | 7.7  | 7.6  | 7.5  | 7.6  | 7.7  | 7.8  | 6.6  | 6.5  | 28.0 |
|                                                                                     | 30.0 | 6.4  | 6.3  |      | 7.0  | 7.1  | 7.1  | 6.6  | 6.7  | 6.8  | 6.2  | 6.1  | 30.0 |
|                                                                                     | 32.0 | 6.0  | 5.9  |      | 6.1  | 6.2  |      | 5.8  | 5.8  | 5.9  | 5.7  | 5.7  | 32.0 |
|                                                                                     | 34.0 | 5.5  | 5.5  |      | 5.4  | 5.5  |      | 5.0  | 5.1  |      | 5.0  | 5.1  | 34.0 |
|                                                                                     | 36.0 | 5.1  | 5.2  |      | 4.8  | 4.8  |      | 4.4  | 4.4  |      | 4.4  | 4.4  | 36.0 |
|                                                                                     | 38.0 | 4.7  |      |      | 4.2  | 4.2  |      | 3.8  | 3.9  |      | 3.8  | 3.9  | 38.0 |
|                                                                                     | 40.0 | 4.2  |      |      | 3.7  | 3.7  |      | 3.3  | 3.4  |      | 3.3  | 3.3  | 40.0 |
|                                                                                     | 44.0 |      |      |      | 2.8  |      |      | 2.4  | 2.4  |      | 2.4  | 2.4  | 44.0 |
|                                                                                     | 48.0 |      |      |      | 2.1  |      |      | 1.6  |      |      | 1.6  | 1.7  | 48.0 |

|                                                                                       |                                                                                               |                                                                                          |                                                                                               |                                                                                        |                                                                                       |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  HLJ |  1.0m + 9.2m |  28.9 t |  8.0m x 7.5m |  360° |  JPN |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  m | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|---------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  ° | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  m | 9.0  | 10.6 |      |      |      |      |      |      |      |      |      |      | 9.0  |
|                                                                                       | 10.0 | 10.6 |      |      |      |      |      |      |      |      |      |      | 10.0 |
|                                                                                       | 11.0 | 10.6 |      |      | 7.0  |      |      | 6.4  |      |      |      |      | 11.0 |
|                                                                                       | 12.0 | 10.6 | 10.6 | 8.3  | 7.0  |      |      | 6.4  |      |      | 5.7  |      | 12.0 |
|                                                                                       | 14.0 | 10.6 | 10.6 | 7.9  | 7.0  | 7.0  |      | 6.4  |      |      | 5.7  |      | 14.0 |
|                                                                                       | 16.0 | 10.6 | 10.2 | 7.6  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  |      | 5.7  | 16.0 |
|                                                                                       | 18.0 | 10.6 | 9.6  | 7.4  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 18.0 |
|                                                                                       | 20.0 | 10.6 | 9.2  | 7.1  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 20.0 |
|                                                                                       | 22.0 | 10.6 | 8.7  | 6.9  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 22.0 |
|                                                                                       | 24.0 | 9.8  | 8.3  | 6.7  | 7.0  | 7.0  | 6.9  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 24.0 |
|                                                                                       | 26.0 | 8.5  | 8.0  | 6.6  | 7.0  | 7.0  | 6.7  | 6.4  | 6.4  | 6.4  | 5.5  | 5.4  | 26.0 |
|                                                                                       | 28.0 | 7.3  | 7.6  | 6.4  | 7.0  | 7.0  | 6.6  | 6.4  | 6.4  | 6.2  | 5.4  | 5.1  | 28.0 |
|                                                                                       | 30.0 | 6.4  | 6.7  | 6.3  | 6.7  | 7.0  | 6.4  | 6.4  | 6.2  | 5.9  | 5.0  | 4.8  | 30.0 |
|                                                                                       | 32.0 | 5.5  | 5.8  | 6.1  | 6.1  | 6.2  | 6.3  | 6.1  | 5.9  | 5.7  | 4.7  | 4.5  | 32.0 |
|                                                                                       | 34.0 | 4.9  | 5.1  |      | 5.7  | 5.6  | 5.7  | 5.3  | 5.6  | 5.5  | 4.4  | 4.2  | 34.0 |
|                                                                                       | 36.0 | 4.6  | 4.6  |      | 5.0  | 5.3  | 5.2  | 4.7  | 4.9  | 5.2  | 4.1  | 4.0  | 36.0 |
|                                                                                       | 38.0 | 4.2  | 4.3  |      | 4.5  | 4.7  |      | 4.1  | 4.3  | 4.6  | 3.9  | 3.7  | 38.0 |
|                                                                                       | 40.0 | 3.9  | 4.0  |      | 4.0  | 4.2  |      | 3.6  | 3.8  |      | 3.5  | 3.5  | 40.0 |
|                                                                                       | 44.0 | 3.4  |      |      | 3.1  | 3.2  |      | 2.7  | 2.9  |      | 2.7  | 2.9  | 44.0 |
|                                                                                       | 48.0 | 2.9  |      |      | 2.4  | 2.5  |      | 1.9  | 2.1  |      | 1.8  | 2.0  | 48.0 |
|                                                                                       | 52.0 |      |      |      | 1.7  |      |      | 1.2  | 1.3  |      | 1.1  | 1.3  | 52.0 |
|                                                                                       | 56.0 |      |      |      | 1.1  |      |      |      |      |      |      |      | 56.0 |

|                                                                                         |                                                                                                  |                                                                                            |                                                                                                 |                                                                                          |                                                                                         |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  HLJ |  1.0m + 17.0m |  28.9 t |  8.0m x 7.5m |  360° |  JPN |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|

|  m | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|---------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  ° | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  m | 12.0 | 5.5  |      |      |      |      |      |      |      |      |      |      | 12.0 |
|                                                                                       | 14.0 | 5.4  | 4.3  |      | 4.1  |      |      |      |      |      |      |      | 14.0 |
|                                                                                       | 16.0 | 5.1  | 4.1  |      | 4.1  | 4.0  |      | 3.9  | 3.8  |      | 3.6  | 3.6  | 16.0 |
|                                                                                       | 18.0 | 4.8  | 3.9  | 3.2  | 4.1  | 3.8  |      | 3.9  | 3.7  |      | 3.6  | 3.6  | 18.0 |
|                                                                                       | 20.0 | 4.6  | 3.8  | 3.1  | 4.1  | 3.7  | 3.1  | 3.9  | 3.6  |      | 3.6  | 3.5  | 20.0 |
|                                                                                       | 22.0 | 4.4  | 3.6  | 3.0  | 4.1  | 3.5  | 3.0  | 3.9  | 3.5  | 2.9  | 3.6  | 3.4  | 22.0 |
|                                                                                       | 24.0 | 4.2  | 3.5  | 3.0  | 4.1  | 3.4  | 2.9  | 3.9  | 3.3  | 2.9  | 3.6  | 3.3  | 24.0 |
|                                                                                       | 26.0 | 4.0  | 3.3  | 2.9  | 4.0  | 3.3  | 2.8  | 3.8  | 3.2  | 2.8  | 3.6  | 3.2  | 26.0 |
|                                                                                       | 28.0 | 3.8  | 3.2  | 2.8  | 3.8  | 3.2  | 2.8  | 3.7  | 3.1  | 2.7  | 3.6  | 3.1  | 28.0 |
|                                                                                       | 30.0 | 3.7  | 3.1  | 2.8  | 3.7  | 3.1  | 2.7  | 3.6  | 3.1  | 2.7  | 3.5  | 3.0  | 30.0 |
|                                                                                       | 32.0 | 3.5  | 3.0  | 2.7  | 3.5  | 3.0  | 2.7  | 3.5  | 3.0  | 2.6  | 3.4  | 2.9  | 32.0 |
|                                                                                       | 34.0 | 3.4  | 2.9  | 2.6  | 3.4  | 2.9  | 2.6  | 3.4  | 2.9  | 2.6  | 3.3  | 2.9  | 34.0 |
|                                                                                       | 36.0 | 3.3  | 2.9  | 2.6  | 3.3  | 2.9  | 2.6  | 3.3  | 2.8  | 2.5  | 3.2  | 2.8  | 36.0 |
|                                                                                       | 38.0 | 3.2  | 2.8  | 2.6  | 3.2  | 2.8  | 2.5  | 3.2  | 2.8  | 2.5  | 3.2  | 2.7  | 38.0 |
|                                                                                       | 40.0 | 3.1  | 2.7  |      | 3.1  | 2.7  | 2.5  | 3.1  | 2.7  | 2.4  | 3.0  | 2.7  | 40.0 |
|                                                                                       | 44.0 | 2.9  | 2.6  |      | 2.9  | 2.6  | 2.4  | 2.9  | 2.6  | 2.4  | 2.7  | 2.5  | 44.0 |
|                                                                                       | 48.0 | 2.7  | 2.5  |      | 2.7  | 2.5  |      | 2.3  | 2.5  |      | 2.2  | 2.3  | 48.0 |
|                                                                                       | 52.0 | 2.4  |      |      | 2.0  | 2.3  |      | 1.6  | 1.9  |      | 1.6  | 1.9  | 52.0 |
|                                                                                       | 56.0 |      |      |      | 1.5  | 1.7  |      |      | 1.3  |      |      | 1.3  | 56.0 |

# 油圧チルトジブ



|                                                                                          |                                                                                                   |                                                                                             |                                                                                                  |                                                                                            |                                                                                          |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>HLJ | <br>1.0m + 24.0m | <br>28.9 t | <br>8.0m x 7.5m | <br>360 ° | <br>JPN |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

|                                                                                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | m    | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|  | °    | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  | 14.0 | 3.8  |      |      |      |      |      |      |      |      |      |      |      | 14.0 |
|                                                                                   | 16.0 | 3.8  |      |      | 3.0  |      |      |      |      |      |      |      |      | 16.0 |
|                                                                                   | 18.0 | 3.8  | 3.8  |      | 3.0  | 3.0  |      | 2.9  |      |      |      |      |      | 18.0 |
|                                                                                   | 20.0 | 3.8  | 3.6  |      | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  |      |      | 20.0 |
|                                                                                   | 22.0 | 3.8  | 3.5  |      | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  | 2.4  |      | 22.0 |
|                                                                                   | 24.0 | 3.8  | 3.3  | 2.5  | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  | 2.4  |      | 24.0 |
|                                                                                   | 26.0 | 3.8  | 3.2  | 2.4  | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  | 2.4  |      | 26.0 |
|                                                                                   | 28.0 | 3.7  | 3.0  | 2.3  | 3.0  | 3.0  | 2.3  | 2.9  | 2.9  | 2.3  | 2.4  | 2.4  |      | 28.0 |
|                                                                                   | 30.0 | 3.5  | 2.9  | 2.3  | 3.0  | 2.9  | 2.3  | 2.9  | 2.9  | 2.3  | 2.4  | 2.4  | 2.0  | 30.0 |
|                                                                                   | 32.0 | 3.4  | 2.8  | 2.2  | 3.0  | 2.8  | 2.2  | 2.9  | 2.8  | 2.2  | 2.4  | 2.4  | 2.0  | 32.0 |
|                                                                                   | 34.0 | 3.3  | 2.6  | 2.1  | 3.0  | 2.7  | 2.2  | 2.9  | 2.8  | 2.2  | 2.4  | 2.4  | 1.9  | 34.0 |
|                                                                                   | 36.0 | 3.1  | 2.5  | 2.1  | 3.0  | 2.6  | 2.1  | 2.9  | 2.7  | 2.1  | 2.4  | 2.4  | 1.9  | 36.0 |
|                                                                                   | 38.0 | 3.0  | 2.4  | 2.0  | 3.0  | 2.5  | 2.1  | 2.9  | 2.6  | 2.1  | 2.4  | 2.3  | 1.9  | 38.0 |
|                                                                                   | 40.0 | 2.8  | 2.3  | 2.0  | 3.0  | 2.4  | 2.0  | 2.9  | 2.5  | 2.0  | 2.4  | 2.3  | 1.8  | 40.0 |
|                                                                                   | 44.0 | 2.6  | 2.2  | 1.9  | 2.8  | 2.3  | 1.9  | 2.8  | 2.3  | 1.9  | 2.2  | 2.1  | 1.7  | 44.0 |
|                                                                                   | 48.0 | 2.4  | 2.1  |      | 2.6  | 2.2  | 1.9  | 2.4  | 2.2  | 1.9  | 1.9  | 1.9  | 1.7  | 48.0 |
|                                                                                   | 52.0 | 2.1  | 1.9  |      | 2.2  | 2.0  |      | 1.8  | 2.1  | 1.8  | 1.7  | 1.7  | 1.6  | 52.0 |
|                                                                                   | 56.0 | 1.9  | 1.8  |      | 1.6  | 1.9  |      | 1.2  | 1.6  |      | 1.1  | 1.5  | 1.5  | 56.0 |
|                                                                                   | 60.0 | 1.7  |      |      | 1.1  | 1.4  |      |      |      |      |      |      |      | 60.0 |

|                                                                                          |                                                                                                   |                                                                                             |                                                                                                  |                                                                                            |                                                                                          |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>HLJ | <br>1.0m + 31.0m | <br>28.9 t | <br>8.0m x 7.5m | <br>360 ° | <br>JPN |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

|                                                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|    | m    | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|    | °    | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  m | 16.0 | 2.7  |      |      |      |      |      |      |      |      |      |      |      | 16.0 |
|                                                                                       | 18.0 | 2.7  |      |      | 2.2  |      |      |      |      |      |      |      |      | 18.0 |
|                                                                                       | 20.0 | 2.7  |      |      | 2.2  |      |      |      |      |      |      |      |      | 20.0 |
|                                                                                       | 22.0 | 2.7  | 2.6  |      | 2.2  |      |      | 2.1  |      |      | 1.6  |      |      | 22.0 |
|                                                                                       | 24.0 | 2.7  | 2.5  |      | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  |      |      | 24.0 |
|                                                                                       | 26.0 | 2.7  | 2.3  |      | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  | 1.6  |      | 26.0 |
|                                                                                       | 28.0 | 2.7  | 2.2  |      | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  | 1.6  |      | 28.0 |
|                                                                                       | 30.0 | 2.7  | 2.1  | 1.6  | 2.2  | 2.1  |      | 2.1  | 2.1  |      | 1.6  | 1.6  |      | 30.0 |
|                                                                                       | 32.0 | 2.6  | 2.0  | 1.5  | 2.2  | 2.0  |      | 2.1  | 2.0  |      | 1.6  | 1.6  |      | 32.0 |
|                                                                                       | 34.0 | 2.5  | 1.9  | 1.4  | 2.2  | 1.9  | 1.4  | 2.1  | 1.9  | 1.4  | 1.6  | 1.6  |      | 34.0 |
|                                                                                       | 36.0 | 2.3  | 1.8  | 1.4  | 2.2  | 1.9  | 1.4  | 2.1  | 1.9  | 1.4  | 1.6  | 1.6  | 1.2  | 36.0 |
|                                                                                       | 38.0 | 2.2  | 1.7  | 1.3  | 2.2  | 1.8  | 1.4  | 2.1  | 1.8  | 1.4  | 1.6  | 1.6  | 1.2  | 38.0 |
|                                                                                       | 40.0 | 2.1  | 1.7  | 1.3  | 2.2  | 1.7  | 1.3  | 2.1  | 1.7  | 1.3  | 1.6  | 1.6  | 1.2  | 40.0 |
|                                                                                       | 44.0 | 1.9  | 1.5  | 1.2  | 2.0  | 1.6  | 1.2  | 2.0  | 1.6  | 1.2  | 1.6  | 1.5  | 1.1  | 44.0 |
|                                                                                       | 48.0 | 1.7  | 1.4  | 1.2  | 1.8  | 1.5  | 1.2  | 1.8  | 1.5  | 1.2  | 1.6  | 1.4  | 1.1  | 48.0 |
|                                                                                       | 52.0 | 1.5  | 1.3  | 1.1  | 1.6  | 1.4  | 1.1  | 1.7  | 1.4  | 1.1  | 1.4  | 1.3  | 1.0  | 52.0 |
|                                                                                       | 56.0 | 1.4  | 1.2  |      | 1.5  | 1.3  | 1.1  | 1.3  | 1.3  | 1.1  | 1.2  | 1.2  | 1.0  | 56.0 |
|                                                                                       | 60.0 | 1.2  | 1.1  |      | 1.2  | 1.2  |      |      | 1.2  | 1.1  |      | 1.0  | 0.9  | 60.0 |
| 64.0                                                                                  | 1.1  | 1.1  |      |      | 1.1  |      |      |      |      |      |      |      | 64.0 |      |
| 68.0                                                                                  | 1.0  |      |      |      |      |      |      |      |      |      |      |      | 68.0 |      |

# 油圧チルトジブ



|                                                                                       |                                                                                               |                                                                                          |                                                                                               |                                                                                         |                                                                                       |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  HLJ |  1.0m + 2.8m |  25.4 t |  8.0m x 7.5m |  360 ° |  JPN |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  m | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  ° | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  m | 7.0  | 17.1 | 17.1 |      |      |      |      |      |      |      |      |      | 7.0  |
|                                                                                     | 8.0  | 17.1 | 17.1 |      | 11.1 |      |      |      |      |      |      |      | 8.0  |
|                                                                                     | 9.0  | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  |      | 9.0  |
|                                                                                     | 10.0 | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 10.0 |
|                                                                                     | 11.0 | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 11.0 |
|                                                                                     | 12.0 | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 12.0 |
|                                                                                     | 14.0 | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 14.0 |
|                                                                                     | 16.0 | 17.1 | 17.1 | 16.8 | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 16.0 |
|                                                                                     | 18.0 | 14.5 | 14.7 | 14.9 | 11.1 | 11.1 | 11.1 | 9.0  | 9.0  | 9.0  | 7.8  | 7.8  | 18.0 |
|                                                                                     | 20.0 | 12.1 | 12.3 | 12.4 | 11.1 | 11.1 | 11.1 | 9.0  | 9.0  | 9.0  | 7.8  | 7.8  | 20.0 |
|                                                                                     | 22.0 | 10.2 | 10.3 | 10.5 | 10.5 | 10.7 | 10.5 | 9.0  | 9.0  | 9.0  | 7.8  | 7.8  | 22.0 |
|                                                                                     | 24.0 | 8.6  | 8.7  | 8.9  | 8.9  | 9.1  | 9.2  | 9.0  | 9.0  | 8.9  | 7.6  | 7.4  | 24.0 |
|                                                                                     | 26.0 | 7.4  | 7.4  | 7.5  | 8.2  | 8.1  | 8.0  | 7.9  | 8.0  | 8.1  | 7.1  | 6.9  | 26.0 |
|                                                                                     | 28.0 | 6.8  | 6.8  |      | 7.2  | 7.3  | 7.4  | 6.8  | 6.9  | 7.0  | 6.6  | 6.5  | 28.0 |
|                                                                                     | 30.0 | 6.4  | 6.3  |      | 6.3  | 6.4  | 6.4  | 5.9  | 6.0  | 6.1  | 5.9  | 6.0  | 30.0 |
|                                                                                     | 32.0 | 6.0  | 5.9  |      | 5.5  | 5.5  |      | 5.1  | 5.2  | 5.2  | 5.1  | 5.2  | 32.0 |
|                                                                                     | 34.0 | 5.3  | 5.4  |      | 4.8  | 4.8  |      | 4.4  | 4.5  |      | 4.4  | 4.5  | 34.0 |
|                                                                                     | 36.0 | 4.7  | 4.7  |      | 4.2  | 4.2  |      | 3.8  | 3.8  |      | 3.8  | 3.8  | 36.0 |
|                                                                                     | 38.0 | 4.2  |      |      | 3.6  | 3.7  |      | 3.2  | 3.3  |      | 3.2  | 3.3  | 38.0 |
|                                                                                     | 40.0 | 3.7  |      |      | 3.1  | 3.2  |      | 2.8  | 2.8  |      | 2.8  | 2.8  | 40.0 |
|                                                                                     | 44.0 |      |      |      | 2.3  |      |      | 1.9  | 1.9  |      | 1.9  | 1.9  | 44.0 |
|                                                                                     | 48.0 |      |      |      | 1.6  |      |      | 1.2  |      |      | 1.2  | 1.2  | 48.0 |

|                                                                                       |                                                                                               |                                                                                          |                                                                                               |                                                                                         |                                                                                       |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  HLJ |  1.0m + 9.2m |  25.4 t |  8.0m x 7.5m |  360 ° |  JPN |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  m | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|---------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  ° | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  m | 9.0  | 10.6 |      |      |      |      |      |      |      |      |      |      | 9.0  |
|                                                                                       | 10.0 | 10.6 |      |      |      |      |      |      |      |      |      |      | 10.0 |
|                                                                                       | 11.0 | 10.6 |      |      | 7.0  |      |      | 6.4  |      |      |      |      | 11.0 |
|                                                                                       | 12.0 | 10.6 | 10.6 | 8.3  | 7.0  |      |      | 6.4  |      |      | 5.7  |      | 12.0 |
|                                                                                       | 14.0 | 10.6 | 10.6 | 7.9  | 7.0  | 7.0  |      | 6.4  |      |      | 5.7  |      | 14.0 |
|                                                                                       | 16.0 | 10.6 | 10.2 | 7.6  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  |      | 5.7  | 16.0 |
|                                                                                       | 18.0 | 10.6 | 9.6  | 7.4  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 18.0 |
|                                                                                       | 20.0 | 10.6 | 9.2  | 7.1  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 20.0 |
|                                                                                       | 22.0 | 10.5 | 8.7  | 6.9  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 22.0 |
|                                                                                       | 24.0 | 9.0  | 8.3  | 6.7  | 7.0  | 7.0  | 6.9  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 24.0 |
|                                                                                       | 26.0 | 7.7  | 8.0  | 6.6  | 7.0  | 7.0  | 6.7  | 6.4  | 6.4  | 6.4  | 5.5  | 5.4  | 26.0 |
|                                                                                       | 28.0 | 6.6  | 7.0  | 6.4  | 6.9  | 7.0  | 6.6  | 6.4  | 6.4  | 6.2  | 5.4  | 5.1  | 28.0 |
|                                                                                       | 30.0 | 5.8  | 6.0  | 6.3  | 6.4  | 6.3  | 6.4  | 6.2  | 6.2  | 5.9  | 5.0  | 4.8  | 30.0 |
|                                                                                       | 32.0 | 5.3  | 5.3  | 5.5  | 5.8  | 5.8  | 5.8  | 5.4  | 5.7  | 5.7  | 4.7  | 4.5  | 32.0 |
|                                                                                       | 34.0 | 4.9  | 4.9  |      | 5.1  | 5.3  | 5.4  | 4.7  | 5.0  | 5.3  | 4.4  | 4.2  | 34.0 |
|                                                                                       | 36.0 | 4.6  | 4.6  |      | 4.4  | 4.7  | 4.9  | 4.1  | 4.3  | 4.6  | 4.0  | 4.0  | 36.0 |
|                                                                                       | 38.0 | 4.2  | 4.3  |      | 3.9  | 4.1  |      | 3.5  | 3.8  | 4.0  | 3.5  | 3.7  | 38.0 |
|                                                                                       | 40.0 | 3.9  | 4.0  |      | 3.4  | 3.6  |      | 3.0  | 3.3  |      | 3.0  | 3.2  | 40.0 |
|                                                                                       | 44.0 | 3.2  |      |      | 2.6  | 2.8  |      | 2.2  | 2.4  |      | 2.1  | 2.4  | 44.0 |
|                                                                                       | 48.0 | 2.5  |      |      | 1.9  | 2.0  |      | 1.4  | 1.6  |      | 1.3  | 1.6  | 48.0 |
|                                                                                       | 52.0 |      |      |      | 1.2  |      |      |      |      |      |      |      | 52.0 |

|                                                                                         |                                                                                                  |                                                                                            |                                                                                                 |                                                                                           |                                                                                         |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  HLJ |  1.0m + 17.0m |  25.4 t |  8.0m x 7.5m |  360 ° |  JPN |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|

|  m | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|---------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  ° | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  m | 12.0 | 5.5  |      |      |      |      |      |      |      |      |      |      | 12.0 |
|                                                                                       | 14.0 | 5.4  | 4.3  |      | 4.1  |      |      |      |      |      |      |      | 14.0 |
|                                                                                       | 16.0 | 5.1  | 4.1  |      | 4.1  | 4.0  |      | 3.9  | 3.8  |      | 3.6  | 3.6  | 16.0 |
|                                                                                       | 18.0 | 4.8  | 3.9  | 3.2  | 4.1  | 3.8  |      | 3.9  | 3.7  |      | 3.6  | 3.6  | 18.0 |
|                                                                                       | 20.0 | 4.6  | 3.8  | 3.1  | 4.1  | 3.7  | 3.1  | 3.9  | 3.6  |      | 3.6  | 3.5  | 20.0 |
|                                                                                       | 22.0 | 4.4  | 3.6  | 3.0  | 4.1  | 3.5  | 3.0  | 3.9  | 3.5  | 2.9  | 3.6  | 3.4  | 22.0 |
|                                                                                       | 24.0 | 4.2  | 3.5  | 3.0  | 4.1  | 3.4  | 2.9  | 3.9  | 3.3  | 2.9  | 3.6  | 3.3  | 24.0 |
|                                                                                       | 26.0 | 4.0  | 3.3  | 2.9  | 4.0  | 3.3  | 2.8  | 3.8  | 3.2  | 2.8  | 3.6  | 3.2  | 26.0 |
|                                                                                       | 28.0 | 3.8  | 3.2  | 2.8  | 3.8  | 3.2  | 2.8  | 3.7  | 3.1  | 2.7  | 3.6  | 3.1  | 28.0 |
|                                                                                       | 30.0 | 3.7  | 3.1  | 2.8  | 3.7  | 3.1  | 2.7  | 3.6  | 3.1  | 2.7  | 3.5  | 3.0  | 30.0 |
|                                                                                       | 32.0 | 3.5  | 3.0  | 2.7  | 3.5  | 3.0  | 2.7  | 3.5  | 3.0  | 2.6  | 3.4  | 2.9  | 32.0 |
|                                                                                       | 34.0 | 3.4  | 2.9  | 2.6  | 3.4  | 2.9  | 2.6  | 3.4  | 2.9  | 2.6  | 3.3  | 2.9  | 34.0 |
|                                                                                       | 36.0 | 3.3  | 2.9  | 2.6  | 3.3  | 2.9  | 2.6  | 3.3  | 2.8  | 2.5  | 3.2  | 2.8  | 36.0 |
|                                                                                       | 38.0 | 3.2  | 2.8  | 2.6  | 3.2  | 2.8  | 2.5  | 3.2  | 2.8  | 2.5  | 3.2  | 2.7  | 38.0 |
|                                                                                       | 40.0 | 3.1  | 2.7  |      | 3.1  | 2.7  | 2.5  | 3.1  | 2.7  | 2.4  | 3.0  | 2.7  | 40.0 |
|                                                                                       | 44.0 | 2.8  | 2.6  |      | 2.9  | 2.6  | 2.4  | 2.6  | 2.6  | 2.4  | 2.5  | 2.5  | 44.0 |
|                                                                                       | 48.0 | 2.7  | 2.5  |      | 2.2  | 2.5  |      | 1.8  | 2.2  |      | 1.8  | 2.1  | 48.0 |
|                                                                                       | 52.0 | 2.2  |      |      | 1.6  | 1.9  |      | 1.2  | 1.5  |      | 1.2  | 1.5  | 52.0 |
|                                                                                       | 56.0 |      |      |      | 1.1  | 1.3  |      |      |      |      |      |      | 56.0 |

# 油圧チルトジブ



|                                                                                          |                                                                                                   |                                                                                             |                                                                                                  |                                                                                            |                                                                                          |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>HLJ | <br>1.0m + 24.0m | <br>25.4 t | <br>8.0m x 7.5m | <br>360 ° | <br>JPN |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

|  | m    | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|-----------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  | 14.0 | 3.8  |      |      |      |      |      |      |      |      |      |      |      | 14.0 |
|                                                                                   | 16.0 | 3.8  |      |      | 3.0  |      |      |      |      |      |      |      |      | 16.0 |
|                                                                                   | 18.0 | 3.8  | 3.8  |      | 3.0  | 3.0  |      | 2.9  |      |      |      |      |      | 18.0 |
|                                                                                   | 20.0 | 3.8  | 3.6  |      | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  |      |      | 20.0 |
|                                                                                   | 22.0 | 3.8  | 3.5  |      | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  | 2.4  |      | 22.0 |
|                                                                                   | 24.0 | 3.8  | 3.3  | 2.5  | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  | 2.4  |      | 24.0 |
|                                                                                   | 26.0 | 3.8  | 3.2  | 2.4  | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  | 2.4  |      | 26.0 |
|                                                                                   | 28.0 | 3.7  | 3.0  | 2.3  | 3.0  | 3.0  | 2.3  | 2.9  | 2.9  | 2.3  | 2.4  | 2.4  |      | 28.0 |
|                                                                                   | 30.0 | 3.5  | 2.9  | 2.3  | 3.0  | 2.9  | 2.3  | 2.9  | 2.9  | 2.3  | 2.4  | 2.4  | 2.0  | 30.0 |
|                                                                                   | 32.0 | 3.4  | 2.8  | 2.2  | 3.0  | 2.8  | 2.2  | 2.9  | 2.8  | 2.2  | 2.4  | 2.4  | 2.0  | 32.0 |
|                                                                                   | 34.0 | 3.3  | 2.6  | 2.1  | 3.0  | 2.7  | 2.2  | 2.9  | 2.8  | 2.2  | 2.4  | 2.4  | 1.9  | 34.0 |
|                                                                                   | 36.0 | 3.1  | 2.5  | 2.1  | 3.0  | 2.6  | 2.1  | 2.9  | 2.7  | 2.1  | 2.4  | 2.4  | 1.9  | 36.0 |
|                                                                                   | 38.0 | 3.0  | 2.4  | 2.0  | 3.0  | 2.5  | 2.1  | 2.9  | 2.6  | 2.1  | 2.4  | 2.3  | 1.9  | 38.0 |
|                                                                                   | 40.0 | 2.8  | 2.3  | 2.0  | 3.0  | 2.4  | 2.0  | 2.9  | 2.5  | 2.0  | 2.4  | 2.3  | 1.8  | 40.0 |
|                                                                                   | 44.0 | 2.6  | 2.2  | 1.9  | 2.8  | 2.3  | 1.9  | 2.7  | 2.3  | 1.9  | 2.2  | 2.1  | 1.7  | 44.0 |
|                                                                                   | 48.0 | 2.3  | 2.1  |      | 2.4  | 2.2  | 1.9  | 2.0  | 2.2  | 1.9  | 1.9  | 1.9  | 1.7  | 48.0 |
|                                                                                   | 52.0 | 2.1  | 1.9  |      | 1.8  | 2.0  |      | 1.4  | 1.8  | 1.8  | 1.3  | 1.7  | 1.6  | 52.0 |
|                                                                                   | 56.0 | 1.9  | 1.8  |      | 1.2  | 1.6  |      |      | 1.2  |      |      | 1.1  | 1.5  | 56.0 |
|                                                                                   | 60.0 | 1.4  |      |      |      |      |      |      |      |      |      |      |      | 60.0 |

|                                                                                          |                                                                                                   |                                                                                             |                                                                                                  |                                                                                            |                                                                                          |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>HLJ | <br>1.0m + 31.0m | <br>25.4 t | <br>8.0m x 7.5m | <br>360 ° | <br>JPN |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

|  | m    | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  | 16.0 | 2.7  |      |      |      |      |      |      |      |      |      |      |      | 16.0 |
|                                                                                     | 18.0 | 2.7  |      |      | 2.2  |      |      |      |      |      |      |      |      | 18.0 |
|                                                                                     | 20.0 | 2.7  |      |      | 2.2  |      |      |      |      |      |      |      |      | 20.0 |
|                                                                                     | 22.0 | 2.7  | 2.6  |      | 2.2  |      |      | 2.1  |      |      | 1.6  |      |      | 22.0 |
|                                                                                     | 24.0 | 2.7  | 2.5  |      | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  |      |      | 24.0 |
|                                                                                     | 26.0 | 2.7  | 2.3  |      | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  | 1.6  |      | 26.0 |
|                                                                                     | 28.0 | 2.7  | 2.2  |      | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  | 1.6  |      | 28.0 |
|                                                                                     | 30.0 | 2.7  | 2.1  | 1.6  | 2.2  | 2.1  |      | 2.1  | 2.1  |      | 1.6  | 1.6  |      | 30.0 |
|                                                                                     | 32.0 | 2.6  | 2.0  | 1.5  | 2.2  | 2.0  |      | 2.1  | 2.0  |      | 1.6  | 1.6  |      | 32.0 |
|                                                                                     | 34.0 | 2.5  | 1.9  | 1.4  | 2.2  | 1.9  | 1.4  | 2.1  | 1.9  | 1.4  | 1.6  | 1.6  |      | 34.0 |
|                                                                                     | 36.0 | 2.3  | 1.8  | 1.4  | 2.2  | 1.9  | 1.4  | 2.1  | 1.9  | 1.4  | 1.6  | 1.6  | 1.2  | 36.0 |
|                                                                                     | 38.0 | 2.2  | 1.7  | 1.3  | 2.2  | 1.8  | 1.4  | 2.1  | 1.8  | 1.4  | 1.6  | 1.6  | 1.2  | 38.0 |
|                                                                                     | 40.0 | 2.1  | 1.7  | 1.3  | 2.2  | 1.7  | 1.3  | 2.1  | 1.7  | 1.3  | 1.6  | 1.6  | 1.2  | 40.0 |
|                                                                                     | 44.0 | 1.9  | 1.5  | 1.2  | 2.0  | 1.6  | 1.2  | 2.0  | 1.6  | 1.2  | 1.6  | 1.5  | 1.1  | 44.0 |
|                                                                                     | 48.0 | 1.7  | 1.4  | 1.2  | 1.8  | 1.5  | 1.2  | 1.8  | 1.5  | 1.2  | 1.6  | 1.4  | 1.1  | 48.0 |
|                                                                                     | 52.0 | 1.5  | 1.3  | 1.1  | 1.6  | 1.4  | 1.1  | 1.5  | 1.4  | 1.1  | 1.4  | 1.3  | 1.0  | 52.0 |
|                                                                                     | 56.0 | 1.3  | 1.2  |      | 1.3  | 1.3  | 1.1  |      | 1.3  | 1.1  |      | 1.2  | 1.0  | 56.0 |
|                                                                                     | 60.0 | 1.2  | 1.1  |      |      | 1.2  |      |      |      | 1.1  |      |      | 0.9  | 60.0 |
|                                                                                     | 64.0 | 1.1  | 1.1  |      |      |      |      |      |      |      |      |      |      | 64.0 |

# 油圧チルトジブ



|                                                                                       |                                                                                               |                                                                                          |                                                                                               |                                                                                        |                                                                                       |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  HLJ |  1.0m + 2.8m |  15.4 t |  8.0m x 7.5m |  360° |  JPN |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  | m    | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|-----------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  | 7.0  |      | 17.1 | 17.1 |      |      |      |      |      |      |      |      |      | 7.0  |
|                                                                                   | 8.0  |      | 17.1 | 17.1 |      | 11.1 |      |      |      |      |      |      |      | 8.0  |
|                                                                                   | 9.0  |      | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  |      | 9.0  |
|                                                                                   | 10.0 |      | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 10.0 |
|                                                                                   | 11.0 |      | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 11.0 |
|                                                                                   | 12.0 |      | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 12.0 |
|                                                                                   | 14.0 | 17.1 | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 14.0 |
|                                                                                   | 16.0 | 13.6 | 13.9 | 14.2 | 11.1 | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 16.0 |
|                                                                                   | 18.0 | 10.9 | 11.1 | 11.3 | 11.1 | 11.1 | 11.1 | 9.0  | 9.0  | 9.0  |      | 7.8  | 7.8  | 18.0 |
|                                                                                   | 20.0 | 9.5  | 9.4  | 9.3  | 9.8  | 9.8  | 9.8  | 9.0  | 9.0  | 9.0  | 7.8  | 7.8  | 7.8  | 20.0 |
|                                                                                   | 22.0 | 8.7  | 8.6  | 8.5  | 8.2  | 8.4  | 8.5  | 7.8  | 8.0  | 8.1  | 7.8  | 7.8  | 7.8  | 22.0 |
|                                                                                   | 24.0 | 7.5  | 7.6  | 7.7  | 6.9  | 7.0  | 7.2  | 6.5  | 6.6  | 6.8  | 6.5  | 6.6  | 6.8  | 24.0 |
|                                                                                   | 26.0 | 6.4  | 6.5  | 6.6  | 5.8  | 5.9  | 6.0  | 5.4  | 5.6  | 5.7  | 5.4  | 5.5  | 5.7  | 26.0 |
|                                                                                   | 28.0 | 5.5  | 5.6  |      | 4.9  | 5.0  | 5.1  | 4.5  | 4.6  | 4.7  | 4.5  | 4.6  | 4.7  | 28.0 |
|                                                                                   | 30.0 | 4.7  | 4.8  |      | 4.2  | 4.3  | 4.3  | 3.8  | 3.9  | 4.0  | 3.8  | 3.9  | 4.0  | 30.0 |
|                                                                                   | 32.0 | 4.1  | 4.1  |      | 3.5  | 3.6  |      | 3.1  | 3.2  | 3.3  | 3.1  | 3.2  | 3.3  | 32.0 |
|                                                                                   | 34.0 | 3.5  | 3.5  |      | 2.9  | 3.0  |      | 2.5  | 2.6  |      | 2.5  | 2.6  | 2.7  | 34.0 |
|                                                                                   | 36.0 | 3.0  | 3.0  |      | 2.4  | 2.5  |      | 1.9  | 2.0  |      | 1.9  | 2.0  |      | 36.0 |
|                                                                                   | 38.0 | 2.5  |      |      | 1.9  | 1.9  |      | 1.4  | 1.5  |      | 1.4  | 1.5  |      | 38.0 |
|                                                                                   | 40.0 | 2.1  |      |      | 1.4  | 1.5  |      | 1.0  | 1.0  |      |      | 1.0  |      | 40.0 |

|                                                                                       |                                                                                               |                                                                                          |                                                                                               |                                                                                        |                                                                                       |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  HLJ |  1.0m + 9.2m |  15.4 t |  8.0m x 7.5m |  360° |  JPN |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

|  | m    | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  | 9.0  |      | 10.6 |      |      |      |      |      |      |      |      |      |      | 9.0  |
|                                                                                     | 10.0 |      | 10.6 |      |      |      |      |      |      |      |      |      |      | 10.0 |
|                                                                                     | 11.0 |      | 10.6 |      |      | 7.0  |      |      | 6.4  |      |      |      |      | 11.0 |
|                                                                                     | 12.0 | 10.6 | 10.6 | 8.3  |      | 7.0  |      |      | 6.4  |      |      | 5.7  |      | 12.0 |
|                                                                                     | 14.0 | 10.6 | 10.6 | 7.9  |      | 7.0  | 7.0  |      | 6.4  |      |      | 5.7  |      | 14.0 |
|                                                                                     | 16.0 | 10.6 | 10.2 | 7.6  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  |      | 5.7  | 5.7  | 16.0 |
|                                                                                     | 18.0 | 10.6 | 9.6  | 7.4  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 5.7  | 18.0 |
|                                                                                     | 20.0 | 9.2  | 9.2  | 7.1  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 5.7  | 20.0 |
|                                                                                     | 22.0 | 7.6  | 8.1  | 6.9  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 5.7  | 22.0 |
|                                                                                     | 24.0 | 7.2  | 7.0  | 6.7  | 6.6  | 7.0  | 6.9  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 5.5  | 24.0 |
|                                                                                     | 26.0 | 6.8  | 6.6  | 6.4  | 6.1  | 6.4  | 6.5  | 5.7  | 6.2  | 6.4  | 5.5  | 5.4  | 5.2  | 26.0 |
|                                                                                     | 28.0 | 5.8  | 6.1  | 6.0  | 5.2  | 5.6  | 6.0  | 4.8  | 5.2  | 5.7  | 4.8  | 5.1  | 4.9  | 28.0 |
|                                                                                     | 30.0 | 5.1  | 5.3  | 5.6  | 4.5  | 4.8  | 5.1  | 4.1  | 4.4  | 4.8  | 4.0  | 4.4  | 4.6  | 30.0 |
|                                                                                     | 32.0 | 4.4  | 4.6  | 4.9  | 3.8  | 4.1  | 4.4  | 3.4  | 3.7  | 4.1  | 3.4  | 3.7  | 4.1  | 32.0 |
|                                                                                     | 34.0 | 3.8  | 4.0  |      | 3.2  | 3.5  | 3.8  | 2.9  | 3.1  | 3.5  | 2.8  | 3.1  | 3.4  | 34.0 |
|                                                                                     | 36.0 | 3.3  | 3.5  |      | 2.7  | 3.0  | 3.2  | 2.4  | 2.6  | 2.9  | 2.3  | 2.6  | 2.9  | 36.0 |
|                                                                                     | 38.0 | 2.9  | 3.0  |      | 2.3  | 2.5  |      | 1.9  | 2.2  | 2.4  | 1.9  | 2.1  | 2.4  | 38.0 |
|                                                                                     | 40.0 | 2.5  | 2.6  |      | 1.9  | 2.1  |      | 1.4  | 1.7  |      | 1.4  | 1.7  | 2.0  | 40.0 |
|                                                                                     | 44.0 | 1.8  |      |      | 1.1  | 1.3  |      |      |      |      |      |      |      | 44.0 |
|                                                                                     | 48.0 | 1.2  |      |      |      |      |      |      |      |      |      |      |      | 48.0 |

|                                                                                         |                                                                                                  |                                                                                            |                                                                                                 |                                                                                          |                                                                                         |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  HLJ |  1.0m + 17.0m |  15.4 t |  8.0m x 7.5m |  360° |  JPN |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|

|  | m    | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  | 12.0 | 5.5  |      |      |      |      |      |      |      |      |      |      |      | 12.0 |
|                                                                                     | 14.0 | 5.4  | 4.3  |      | 4.1  |      |      |      |      |      |      |      |      | 14.0 |
|                                                                                     | 16.0 | 5.1  | 4.1  |      | 4.1  | 4.0  |      | 3.9  | 3.8  |      | 3.6  | 3.6  |      | 16.0 |
|                                                                                     | 18.0 | 4.8  | 3.9  | 3.2  | 4.1  | 3.8  |      | 3.9  | 3.7  |      | 3.6  | 3.6  |      | 18.0 |
|                                                                                     | 20.0 | 4.6  | 3.8  | 3.1  | 4.1  | 3.7  | 3.1  | 3.9  | 3.6  |      | 3.6  | 3.5  |      | 20.0 |
|                                                                                     | 22.0 | 4.4  | 3.6  | 3.0  | 4.1  | 3.5  | 3.0  | 3.9  | 3.5  | 2.9  | 3.6  | 3.4  | 2.9  | 22.0 |
|                                                                                     | 24.0 | 4.2  | 3.5  | 3.0  | 4.1  | 3.4  | 2.9  | 3.9  | 3.3  | 2.9  | 3.6  | 3.3  | 2.8  | 24.0 |
|                                                                                     | 26.0 | 4.0  | 3.3  | 2.9  | 4.0  | 3.3  | 2.8  | 3.8  | 3.2  | 2.8  | 3.6  | 3.2  | 2.8  | 26.0 |
|                                                                                     | 28.0 | 3.8  | 3.2  | 2.8  | 3.8  | 3.2  | 2.8  | 3.7  | 3.1  | 2.7  | 3.6  | 3.1  | 2.7  | 28.0 |
|                                                                                     | 30.0 | 3.7  | 3.1  | 2.8  | 3.7  | 3.1  | 2.7  | 3.6  | 3.1  | 2.7  | 3.5  | 3.0  | 2.6  | 30.0 |
|                                                                                     | 32.0 | 3.5  | 3.0  | 2.7  | 3.5  | 3.0  | 2.7  | 3.5  | 3.0  | 2.6  | 3.4  | 2.9  | 2.6  | 32.0 |
|                                                                                     | 34.0 | 3.3  | 2.9  | 2.6  | 3.4  | 2.9  | 2.6  | 3.2  | 2.9  | 2.6  | 3.2  | 2.9  | 2.5  | 34.0 |
|                                                                                     | 36.0 | 3.2  | 2.9  | 2.6  | 3.1  | 2.9  | 2.6  | 2.7  | 2.8  | 2.5  | 2.6  | 2.8  | 2.5  | 36.0 |
|                                                                                     | 38.0 | 3.1  | 2.7  | 2.6  | 2.6  | 2.7  | 2.5  | 2.2  | 2.7  | 2.5  | 2.1  | 2.6  | 2.5  | 38.0 |
|                                                                                     | 40.0 | 2.8  | 2.6  |      | 2.2  | 2.6  | 2.5  | 1.7  | 2.2  | 2.4  | 1.6  | 2.1  | 2.4  | 40.0 |
|                                                                                     | 44.0 | 2.0  | 2.3  |      | 1.4  | 1.7  | 2.1  |      | 1.3  | 1.7  |      | 1.3  | 1.7  | 44.0 |
|                                                                                     | 48.0 | 1.4  | 1.6  |      |      | 1.0  |      |      |      |      |      |      |      | 48.0 |

# 油圧チルトジブ



|                                                                                          |                                                                                                   |                                                                                             |                                                                                                  |                                                                                            |                                                                                          |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>HLJ | <br>1.0m + 24.0m | <br>15.4 t | <br>8.0m x 7.5m | <br>360 ° | <br>JPN |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

|       | m    | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|----------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | °    | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
| <br>m | 14.0 | 3.8  |      |      |      |      |      |      |      |      |      |      |      | 14.0 |
|                                                                                        | 16.0 | 3.8  |      |      | 3.0  |      |      |      |      |      |      |      |      | 16.0 |
|                                                                                        | 18.0 | 3.8  | 3.8  |      | 3.0  | 3.0  |      | 2.9  |      |      |      |      |      | 18.0 |
|                                                                                        | 20.0 | 3.8  | 3.6  |      | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  |      |      | 20.0 |
|                                                                                        | 22.0 | 3.8  | 3.5  |      | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  | 2.4  |      | 22.0 |
|                                                                                        | 24.0 | 3.8  | 3.3  | 2.5  | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  | 2.4  |      | 24.0 |
|                                                                                        | 26.0 | 3.8  | 3.2  | 2.4  | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  | 2.4  |      | 26.0 |
|                                                                                        | 28.0 | 3.7  | 3.0  | 2.3  | 3.0  | 3.0  | 2.3  | 2.9  | 2.9  | 2.3  | 2.4  | 2.4  |      | 28.0 |
|                                                                                        | 30.0 | 3.5  | 2.9  | 2.3  | 3.0  | 2.9  | 2.3  | 2.9  | 2.9  | 2.3  | 2.4  | 2.4  | 2.0  | 30.0 |
|                                                                                        | 32.0 | 3.4  | 2.8  | 2.2  | 3.0  | 2.8  | 2.2  | 2.9  | 2.8  | 2.2  | 2.4  | 2.4  | 2.0  | 32.0 |
|                                                                                        | 34.0 | 3.3  | 2.6  | 2.1  | 3.0  | 2.7  | 2.2  | 2.9  | 2.8  | 2.2  | 2.4  | 2.4  | 1.9  | 34.0 |
|                                                                                        | 36.0 | 2.9  | 2.5  | 2.1  | 2.9  | 2.6  | 2.1  | 2.9  | 2.7  | 2.1  | 2.4  | 2.4  | 1.9  | 36.0 |
|                                                                                        | 38.0 | 2.9  | 2.4  | 2.0  | 2.8  | 2.5  | 2.1  | 2.4  | 2.6  | 2.1  | 2.4  | 2.3  | 1.9  | 38.0 |
|                                                                                        | 40.0 | 2.8  | 2.3  | 2.0  | 2.4  | 2.4  | 2.0  | 2.0  | 2.5  | 2.0  | 1.9  | 2.3  | 1.8  | 40.0 |
|                                                                                        | 44.0 | 2.3  | 2.2  | 1.9  | 1.6  | 2.1  | 1.9  | 1.2  | 1.7  | 1.9  |      | 1.6  | 1.7  | 44.0 |
|                                                                                        | 48.0 | 1.6  | 1.9  |      |      | 1.4  | 1.8  |      |      | 1.5  |      |      | 1.4  | 48.0 |
|                                                                                        | 52.0 | 1.1  | 1.3  |      |      |      |      |      |      |      |      |      |      | 52.0 |

|                                                                                          |                                                                                                   |                                                                                             |                                                                                                  |                                                                                            |                                                                                          |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>HLJ | <br>1.0m + 31.0m | <br>15.4 t | <br>8.0m x 7.5m | <br>360 ° | <br>JPN |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

|       | m    | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | °    | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
| <br>m | 16.0 | 2.7  |      |      |      |      |      |      |      |      |      |      |      | 16.0 |
|                                                                                          | 18.0 | 2.7  |      |      | 2.2  |      |      |      |      |      |      |      |      | 18.0 |
|                                                                                          | 20.0 | 2.7  |      |      | 2.2  |      |      |      |      |      |      |      |      | 20.0 |
|                                                                                          | 22.0 | 2.7  | 2.6  |      | 2.2  |      |      | 2.1  |      |      | 1.6  |      |      | 22.0 |
|                                                                                          | 24.0 | 2.7  | 2.5  |      | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  |      |      | 24.0 |
|                                                                                          | 26.0 | 2.7  | 2.3  |      | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  | 1.6  |      | 26.0 |
|                                                                                          | 28.0 | 2.7  | 2.2  |      | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  | 1.6  |      | 28.0 |
|                                                                                          | 30.0 | 2.7  | 2.1  | 1.6  | 2.2  | 2.1  |      | 2.1  | 2.1  |      | 1.6  | 1.6  |      | 30.0 |
|                                                                                          | 32.0 | 2.6  | 2.0  | 1.5  | 2.2  | 2.0  |      | 2.1  | 2.0  |      | 1.6  | 1.6  |      | 32.0 |
|                                                                                          | 34.0 | 2.5  | 1.9  | 1.4  | 2.2  | 1.9  | 1.4  | 2.1  | 1.9  | 1.4  | 1.6  | 1.6  |      | 34.0 |
|                                                                                          | 36.0 | 2.3  | 1.8  | 1.4  | 2.2  | 1.9  | 1.4  | 2.1  | 1.9  | 1.4  | 1.6  | 1.6  | 1.2  | 36.0 |
|                                                                                          | 38.0 | 2.2  | 1.7  | 1.3  | 2.2  | 1.8  | 1.4  | 2.1  | 1.8  | 1.4  | 1.6  | 1.6  | 1.2  | 38.0 |
|                                                                                          | 40.0 | 2.1  | 1.7  | 1.3  | 2.1  | 1.7  | 1.3  | 2.1  | 1.7  | 1.3  | 1.6  | 1.6  | 1.2  | 40.0 |
|                                                                                          | 44.0 | 1.8  | 1.5  | 1.2  | 1.8  | 1.6  | 1.2  | 1.4  | 1.6  | 1.2  |      | 1.5  | 1.1  | 44.0 |
|                                                                                          | 48.0 | 1.6  | 1.4  | 1.2  | 1.1  | 1.5  | 1.2  |      | 1.3  | 1.2  |      |      | 1.1  | 48.0 |
|                                                                                          | 52.0 | 1.2  | 1.3  | 1.1  |      | 1.0  | 1.1  |      |      |      | 1.1  |      |      | 52.0 |
|                                                                                          | 56.0 |      | 1.0  |      |      |      | 0.9  |      |      |      |      |      |      | 56.0 |



# 油圧チルトジブ



|                                                                                          |                                                                                                  |                                                                                            |                                                                                                  |                                                                                            |                                                                                          |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>HLJ | <br>1.0m + 2.8m | <br>7.1 t | <br>8.0m x 7.5m | <br>360 ° | <br>JPN |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

|  | m    | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|-----------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  | 7.0  |      | 17.1 | 17.1 |      |      |      |      |      |      |      |      |      | 7.0  |
|                                                                                   | 8.0  |      | 17.1 | 17.1 |      | 11.1 |      |      |      |      |      |      |      | 8.0  |
|                                                                                   | 9.0  |      | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  |      | 9.0  |
|                                                                                   | 10.0 |      | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 10.0 |
|                                                                                   | 11.0 |      | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 11.0 |
|                                                                                   | 12.0 |      | 17.1 | 17.1 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 12.0 |
|                                                                                   | 14.0 | 13.1 | 13.5 | 13.8 |      | 11.1 | 11.1 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 14.0 |
|                                                                                   | 16.0 | 11.5 | 11.4 | 11.2 | 10.4 | 10.7 | 10.9 |      | 9.0  | 9.0  |      | 7.8  | 7.8  | 16.0 |
|                                                                                   | 18.0 | 9.5  | 9.7  | 9.9  | 8.9  | 9.1  | 9.3  | 8.2  | 8.5  | 8.8  |      | 7.8  | 7.8  | 18.0 |
|                                                                                   | 20.0 | 7.2  | 7.4  | 7.6  | 6.3  | 6.5  | 6.8  | 5.6  | 5.9  | 6.2  | 5.6  | 5.9  | 6.2  | 20.0 |
|                                                                                   | 22.0 | 5.4  | 5.5  | 5.7  | 4.5  | 4.7  | 4.9  | 3.9  | 4.1  | 4.3  | 3.9  | 4.1  | 4.3  | 22.0 |
|                                                                                   | 24.0 | 4.0  | 4.1  | 4.3  | 3.2  | 3.4  | 3.5  | 2.6  | 2.8  | 3.0  | 2.6  | 2.8  | 3.0  | 24.0 |
|                                                                                   | 26.0 | 3.0  | 3.1  | 3.2  | 2.2  | 2.3  | 2.5  | 1.6  | 1.8  | 2.0  | 1.6  | 1.8  | 1.9  | 26.0 |
|                                                                                   | 28.0 | 2.1  | 2.2  |      | 1.4  | 1.5  | 1.6  | 0.9  | 1.0  | 1.1  | 0.9  | 1.0  | 1.1  | 28.0 |
|                                                                                   | 30.0 | 1.5  | 1.6  |      | 0.8  | 0.9  | 1.0  |      |      |      |      |      |      | 30.0 |
|                                                                                   | 32.0 | 0.9  | 1.0  |      |      |      |      |      |      |      |      |      |      | 32.0 |

|                                                                                          |                                                                                                  |                                                                                            |                                                                                                  |                                                                                            |                                                                                          |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>HLJ | <br>1.0m + 9.2m | <br>7.1 t | <br>8.0m x 7.5m | <br>360 ° | <br>JPN |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

|  | m    | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  | 9.0  |      | 10.6 |      |      |      |      |      |      |      |      |      |      | 9.0  |
|                                                                                     | 10.0 |      | 10.6 |      |      |      |      |      |      |      |      |      |      | 10.0 |
|                                                                                     | 11.0 |      | 10.6 |      |      | 7.0  |      |      | 6.4  |      |      |      |      | 11.0 |
|                                                                                     | 12.0 | 10.6 | 10.6 | 8.3  |      | 7.0  |      |      | 6.4  |      |      | 5.7  |      | 12.0 |
|                                                                                     | 14.0 | 10.6 | 10.6 | 7.9  |      | 7.0  | 7.0  |      | 6.4  |      |      | 5.7  |      | 14.0 |
|                                                                                     | 16.0 | 10.4 | 10.2 | 7.6  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  |      | 5.7  | 5.7  | 16.0 |
|                                                                                     | 18.0 | 8.1  | 8.9  | 7.4  | 7.0  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 5.7  | 18.0 |
|                                                                                     | 20.0 | 7.2  | 7.2  | 7.1  | 6.8  | 7.0  | 7.0  | 6.4  | 6.4  | 6.4  | 5.7  | 5.7  | 5.7  | 20.0 |
|                                                                                     | 22.0 | 6.8  | 7.2  | 6.9  | 6.1  | 6.4  | 6.7  | 5.7  | 6.3  | 6.4  | 5.7  | 5.7  | 5.7  | 22.0 |
|                                                                                     | 24.0 | 5.7  | 6.0  | 6.5  | 5.0  | 5.5  | 6.0  | 4.6  | 5.1  | 5.7  | 4.6  | 5.1  | 5.5  | 24.0 |
|                                                                                     | 26.0 | 4.8  | 5.1  | 5.5  | 4.2  | 4.6  | 5.0  | 3.8  | 4.2  | 4.7  | 3.7  | 4.2  | 4.7  | 26.0 |
|                                                                                     | 28.0 | 4.0  | 4.3  | 4.6  | 3.4  | 3.8  | 4.2  | 3.0  | 3.4  | 3.8  | 3.0  | 3.4  | 3.8  | 28.0 |
|                                                                                     | 30.0 | 3.4  | 3.6  | 3.9  | 2.8  | 3.1  | 3.5  | 2.4  | 2.7  | 3.1  | 2.3  | 2.7  | 3.1  | 30.0 |
|                                                                                     | 32.0 | 2.8  | 3.1  | 3.3  | 2.2  | 2.5  | 2.8  | 1.9  | 2.2  | 2.5  | 1.8  | 2.1  | 2.5  | 32.0 |
|                                                                                     | 34.0 | 2.3  | 2.6  |      | 1.8  | 2.0  | 2.3  |      | 1.7  | 2.0  |      | 1.7  | 2.0  | 34.0 |
|                                                                                     | 36.0 | 1.9  | 2.1  |      | 1.4  | 1.6  | 1.8  |      |      | 1.5  |      |      | 1.5  | 36.0 |
|                                                                                     | 38.0 | 1.6  | 1.7  |      |      |      |      |      |      |      |      |      |      | 38.0 |
|                                                                                     | 40.0 | 1.2  | 1.4  |      |      |      |      |      |      |      |      |      |      | 40.0 |

|                                                                                            |                                                                                                     |                                                                                              |                                                                                                    |                                                                                              |                                                                                            |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <br>HLJ | <br>1.0m + 17.0m | <br>7.1 t | <br>8.0m x 7.5m | <br>360 ° | <br>JPN |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|

|  | m    | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  | °    | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
|  | 12.0 | 5.5  |      |      |      |      |      |      |      |      |      |      |      | 12.0 |
|                                                                                     | 14.0 | 5.4  | 4.3  |      | 4.1  |      |      |      |      |      |      |      |      | 14.0 |
|                                                                                     | 16.0 | 5.1  | 4.1  |      | 4.1  | 4.0  |      | 3.9  | 3.8  |      | 3.6  | 3.6  |      | 16.0 |
|                                                                                     | 18.0 | 4.8  | 3.9  | 3.2  | 4.1  | 3.8  |      | 3.9  | 3.7  |      | 3.6  | 3.6  |      | 18.0 |
|                                                                                     | 20.0 | 4.6  | 3.8  | 3.1  | 4.1  | 3.7  | 3.1  | 3.9  | 3.6  |      | 3.6  | 3.5  |      | 20.0 |
|                                                                                     | 22.0 | 4.4  | 3.6  | 3.0  | 4.1  | 3.5  | 3.0  | 3.9  | 3.5  | 2.9  | 3.6  | 3.4  | 2.9  | 22.0 |
|                                                                                     | 24.0 | 4.0  | 3.5  | 3.0  | 3.9  | 3.4  | 2.9  | 3.6  | 3.3  | 2.9  | 3.5  | 3.3  | 2.8  | 24.0 |
|                                                                                     | 26.0 | 3.8  | 3.3  | 2.9  | 3.1  | 3.3  | 2.8  | 2.6  | 3.2  | 2.8  | 2.5  | 3.2  | 2.8  | 26.0 |
|                                                                                     | 28.0 | 3.1  | 3.1  | 2.8  | 2.3  | 3.1  | 2.8  | 1.8  | 2.7  | 2.7  | 1.7  | 2.6  | 2.7  | 28.0 |
|                                                                                     | 30.0 | 2.4  | 3.0  | 2.7  | 1.6  | 2.3  | 2.7  | 1.1  | 1.9  | 2.7  | 1.0  | 1.8  | 2.6  | 30.0 |
|                                                                                     | 32.0 | 1.8  | 2.4  | 2.6  | 1.1  | 1.7  | 2.4  |      | 1.3  | 2.1  |      | 1.2  | 2.0  | 32.0 |
|                                                                                     | 34.0 | 1.3  | 1.8  | 2.3  |      | 1.2  | 1.8  |      | 0.8  | 1.5  |      |      | 1.4  | 34.0 |
|                                                                                     | 36.0 | 0.9  | 1.4  | 1.8  |      |      | 1.3  |      |      | 0.9  |      |      | 0.9  | 36.0 |
|                                                                                     | 38.0 |      | 1.0  | 1.3  |      |      | 0.8  |      |      |      |      |      |      | 38.0 |

# 油圧チルトジブ



|                                                                                          |                                                                                                   |                                                                                            |                                                                                                  |                                                                                            |                                                                                          |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>HLJ | <br>1.0m + 24.0m | <br>7.1 t | <br>8.0m x 7.5m | <br>360 ° | <br>JPN |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

|                                                                                        |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <br>m | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
| <br>° | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
| <br>m | 14.0 | 3.8  |      |      |      |      |      |      |      |      |      |      | 14.0 |
|                                                                                        | 16.0 | 3.8  |      | 3.0  |      |      |      |      |      |      |      |      | 16.0 |
|                                                                                        | 18.0 | 3.8  | 3.8  | 3.0  | 3.0  |      | 2.9  |      |      |      |      |      | 18.0 |
|                                                                                        | 20.0 | 3.8  | 3.6  | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  |      |      | 20.0 |
|                                                                                        | 22.0 | 3.8  | 3.5  | 3.0  | 3.0  |      | 2.9  | 2.9  |      | 2.4  | 2.4  |      | 22.0 |
|                                                                                        | 24.0 | 3.8  | 3.3  | 2.5  | 3.0  | 3.0  | 2.9  | 2.9  |      | 2.4  | 2.4  |      | 24.0 |
|                                                                                        | 26.0 | 3.0  | 3.2  | 2.4  | 2.9  | 3.0  | 2.9  | 2.9  |      | 2.4  | 2.4  |      | 26.0 |
|                                                                                        | 28.0 | 2.9  | 3.0  | 2.3  | 2.7  | 3.0  | 2.3  | 2.2  | 2.9  | 2.3  | 2.1  | 2.4  | 28.0 |
|                                                                                        | 30.0 | 2.8  | 2.8  | 2.3  | 2.0  | 2.9  | 2.3  | 1.5  | 2.5  | 2.3  | 1.4  | 2.3  | 30.0 |
|                                                                                        | 32.0 | 2.1  | 2.7  | 2.2  | 1.4  | 2.2  | 2.2  | 0.9  | 1.8  | 2.2  | 0.8  | 1.7  | 32.0 |
|                                                                                        | 34.0 | 1.6  | 2.3  | 2.1  | 0.9  | 1.7  | 2.2  |      | 1.3  | 2.2  |      | 1.2  | 34.0 |
|                                                                                        | 36.0 | 1.2  | 1.8  | 2.1  |      | 1.2  | 2.0  |      | 0.8  | 1.6  |      |      | 36.0 |
|                                                                                        | 38.0 | 0.8  | 1.4  | 2.0  |      | 0.8  | 1.5  |      |      | 1.1  |      | 1.0  | 38.0 |
|                                                                                        | 40.0 |      | 1.0  | 1.5  |      |      | 1.1  |      |      |      |      |      | 40.0 |
|                                                                                        | 44.0 |      |      | 0.8  |      |      |      |      |      |      |      |      | 44.0 |

|                                                                                          |                                                                                                   |                                                                                            |                                                                                                  |                                                                                            |                                                                                          |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>HLJ | <br>1.0m + 31.0m | <br>7.1 t | <br>8.0m x 7.5m | <br>360 ° | <br>JPN |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

|                                                                                          |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <br>m | 43.0 | 43.0 | 43.0 | 51.7 | 51.7 | 51.7 | 56.0 | 56.0 | 56.0 | 60.0 | 60.0 | 60.0 | m    |
| <br>° | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | 5    | 20   | 40   | °    |
| <br>m | 16.0 | 2.7  |      |      |      |      |      |      |      |      |      |      | 16.0 |
|                                                                                          | 18.0 | 2.7  |      | 2.2  |      |      |      |      |      |      |      |      | 18.0 |
|                                                                                          | 20.0 | 2.7  |      | 2.2  |      |      |      |      |      |      |      |      | 20.0 |
|                                                                                          | 22.0 | 2.7  | 2.6  | 2.2  |      |      | 2.1  |      |      | 1.6  |      |      | 22.0 |
|                                                                                          | 24.0 | 2.7  | 2.5  | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  |      |      | 24.0 |
|                                                                                          | 26.0 | 2.7  | 2.3  | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  | 1.6  |      | 26.0 |
|                                                                                          | 28.0 | 2.6  | 2.2  | 2.2  | 2.2  |      | 2.1  | 2.1  |      | 1.6  | 1.6  |      | 28.0 |
|                                                                                          | 30.0 | 2.1  | 2.1  | 1.6  | 2.1  | 2.1  | 1.8  | 2.1  |      | 1.6  | 1.6  |      | 30.0 |
|                                                                                          | 32.0 | 2.1  | 2.0  | 1.5  | 1.7  | 2.0  | 1.2  | 2.0  |      | 1.1  | 1.6  |      | 32.0 |
|                                                                                          | 34.0 | 1.9  | 1.9  | 1.4  | 1.1  | 1.9  |      | 1.6  | 1.4  |      | 1.4  |      | 34.0 |
|                                                                                          | 36.0 | 1.4  | 1.8  | 1.4  |      | 1.5  | 1.4  |      | 1.1  | 1.4  |      | 1.0  | 36.0 |
|                                                                                          | 38.0 | 1.0  | 1.7  | 1.3  |      | 1.1  | 1.4  |      |      | 1.4  |      |      | 38.0 |
|                                                                                          | 40.0 |      | 1.3  | 1.3  |      |      | 1.3  |      |      | 1.1  |      |      | 40.0 |
|                                                                                          | 44.0 |      |      | 1.2  |      |      |      |      |      |      |      |      | 44.0 |

[illegible]



構内移動姿勢

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