MAC 25-4
PICK AND CARRY CRANE

MAXIMUM CAPACITY: 25t
MAXIMUM BOOM LENGTH: 18.4m
MAXIMUM HOOK HEIGHT: 18m

terex.com/franna
OVERVIEW

The MAC 25-4 is a mobile articulated crane with a maximum lifting capacity of 25 tonne (27 USt). The MAC 25-4 offers maximum safety, excellent roadability, intuitive operation and unmatched versatility. Over the years it’s design has been tried, tested and proven in a range of difficult lifting applications and is still a customer favourite today.

A superlift (SL) upgrade is also available on the MAC 25-4 as an additional option. The SL kit works in tandem with the existing MAC 25 counterweight, adding a low slung additional counterweight piece to the rear of the machine, increasing the rated capacity of the machine.

KEY FEATURES AND BENEFITS:

- 25 tonne at 1.4m radius
- 14.8 tonne at 3.0m radius
- 1.8 tonne at 15.7m radius
- 18m hook height
- Single line pull 4.2 tonne
- Increased rated capacity of up to 30% with SL option
- Dynamic LMI (Patent Protected)
- Unique boom head design allows for maximum clearance
- Easy access to all key maintenance points
## TECHNICAL DESCRIPTION

### 01. Boom
- Maximum boom length: 18.4m
- Maximum hook height: 18m
- Boom elevation angle range: -10° / 65°
- Maximum hook height with jib: 20.5m
- Articulation: 40° R / 40° L
- Machinery hook: 15 tonne

### 02. Winch
- Maximum line pull: 4.2 tonne
- Two speed winch: 38m/min / 76m/min
- Hook block (6 part): 25 tonne maximum rated capacity

### 03. Engine & Transmission
- Standard engine: Mercedes OM 906
- Engine power: 205kW
- Engine torque: 1100 Nm
- Fuel Type: Diesel
- Fuel Capacity: 440 litre
- Transmission: Allison 6 speed
- Transfer case: ZF 2:1 Ratio

### 04. Hydraulic System
- Axial piston pump: 62cc/rev
- Maximum pump flow rate: 130 litre/min
- Maximum working pressure: 250 bar
- Hydraulic tank capacity: 380 litre

### 05. Chassis
- Front Axle: 11,900 kg
- Rear Axle: 12,000kg
- Axle total: 23,900 kg
- Turning circle: 7.9m

### 06. Brakes & Suspension
- Brake System: Air operated drum brakes
- Suspension: Elliptic springs with hydraulic spring lockouts on front axle

### 07. Vehicle Performance
- Maximum rated travel speed: 80 km/h
- Gradeability: 45%
DIMENSIONS / AREA OF OPERATION

Plan view

Right hand view

Area of operation
NOTE: Rated Capacity values shown are for the Pick and Carry Chart.
## Load Chart

### Rated Capacity Chart - Fall Block

<table>
<thead>
<tr>
<th>RAD</th>
<th>6.12</th>
<th>6.50</th>
<th>7.00</th>
<th>7.50</th>
<th>8.00</th>
<th>8.50</th>
<th>9.00</th>
<th>9.50</th>
<th>10.00</th>
<th>11.00</th>
<th>12.00</th>
<th>13.00</th>
<th>14.00</th>
<th>15.00</th>
<th>16.00</th>
<th>17.00</th>
<th>18.42</th>
</tr>
</thead>
<tbody>
<tr>
<td>m</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
<td>kg</td>
</tr>
<tr>
<td>1.4</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
</tr>
<tr>
<td>2.0</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
<td>2250</td>
</tr>
<tr>
<td>2.5</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
<td>1810</td>
</tr>
<tr>
<td>3.0</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
<td>1480</td>
</tr>
<tr>
<td>3.5</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
</tr>
<tr>
<td>4.0</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
<td>9850</td>
</tr>
<tr>
<td>4.5</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
<td>7250</td>
</tr>
<tr>
<td>5.0</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
<td>5850</td>
</tr>
<tr>
<td>5.5</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
<td>4650</td>
</tr>
<tr>
<td>6.0</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
<td>3550</td>
</tr>
<tr>
<td>6.5</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
<td>2550</td>
</tr>
<tr>
<td>7.0</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
<td>1850</td>
</tr>
<tr>
<td>7.5</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
</tr>
<tr>
<td>8.0</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
</tr>
<tr>
<td>8.5</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
<td>1150</td>
</tr>
<tr>
<td>9.0</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
<td>1050</td>
</tr>
</tbody>
</table>

### Winch Rated Capacity

<table>
<thead>
<tr>
<th>Units:</th>
<th>Single Part</th>
<th>Two Parts</th>
<th>Four Parts</th>
<th>Six Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4200</td>
<td>8400</td>
<td>16800</td>
<td>25000</td>
</tr>
</tbody>
</table>

### Key:
- **3rd Boom Retracted**
- **3rd Boom Extending**
- **BOOM ANGLE**
- **Radius at Zero Boom Angle**

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.
MAC 25-4 WORKING