**Transport Dimensions**

<table>
<thead>
<tr>
<th>Maximum track width.</th>
<th>Minimum track width.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1300</td>
<td>3100</td>
</tr>
<tr>
<td>4100</td>
<td>3100</td>
</tr>
</tbody>
</table>

PM 20 + HHK-5A hammer transport dimensions with the standard leader length.

---

**DATA SHEET**

**PM 20**

Hydraulic Pile Driving Rig
JUNTTAN PM 20

Junttan has a comprehensive range of hydraulic multipurpose piling rigs. Many ingenious details of the Junttan rig provide ease of transport, excellent stability, quick and safe pile handling, precise inclinations and top pile driving performance. Junttan PM 20 is the basic model of the range, and can be adapted to for driven, bored or vibrated piles simply by changing the tool equipment. This brochure presents PM 20 rig equipped for driven piling.

**Design Benefits of Junttan Rigs**
- self erecting leader
- expandable tracks
- low centre of gravity
- low transportation height

- leader horizontal movement
- powerful winches
- hydraulic system adaptable to different equipment
  e.g. hammers and rotary drives

**Base Machine Junttan PM 20**

**Leader (telescopic leader, self-erection)**
- Length
  - fixed leader (12.6+4.4 m) 17 m
  - telescopic movement 4 m
  - effective length 21 m
  - with extra 2m extension (optional, see page 3) 23 m
  - cathead height 1 m
  - Vertical movement up 1000 mm
  - down 500 mm
  - Horizontal movement max 1500 mm
  - Hydraulic pile arms on leader
  - Electronic leader inclination meter

- Max. load on the leader (pile + hammer) and inclinations according to a separate capacity table

**Winches (single line pull, 1. layer)**
- Main winch (hammer) 10 ton
- Aux. winch (pile) 8 ton
- Aux. winch II (optional, see page 3) 5 ton

**Engine**
- Cummins QS85.9 179 kW

**Fuel tank**
- 600 litres

**Hydraulics**
- Oil flow max 2 x 160 l/min + 86 l/min
- Pressure max 300 bar

**Undercarriage (hydraulic extension)**
- Transport width 3100 mm
- Working width 4100 mm
- Crawler length 4780 mm
- Width of track shoes 800 mm
- Counterweight 6000 kg
- hydraulically movable 1.5 m

**Weight**
- Excluding hammer and any optional equipment 46000 kg

**Hydraulic Hammers for PM 20 (examples)**
(for more information please see Junttan hammer catalogue)

<table>
<thead>
<tr>
<th>Models</th>
<th>HHK-5</th>
<th>HHK-5AL</th>
<th>HHK-5A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. energy (kJNm)</td>
<td>60</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>Max. stroke (m)</td>
<td>1.2</td>
<td>1.2</td>
<td>1.2</td>
</tr>
<tr>
<td>Blows per minute, adjustable</td>
<td>30-100</td>
<td>40-100</td>
<td>40-100</td>
</tr>
<tr>
<td>Ram weight (kg)</td>
<td>5000</td>
<td>5000</td>
<td>5000</td>
</tr>
<tr>
<td>Total weight (kg) including drive cap</td>
<td>7400</td>
<td>7900</td>
<td>8700</td>
</tr>
</tbody>
</table>