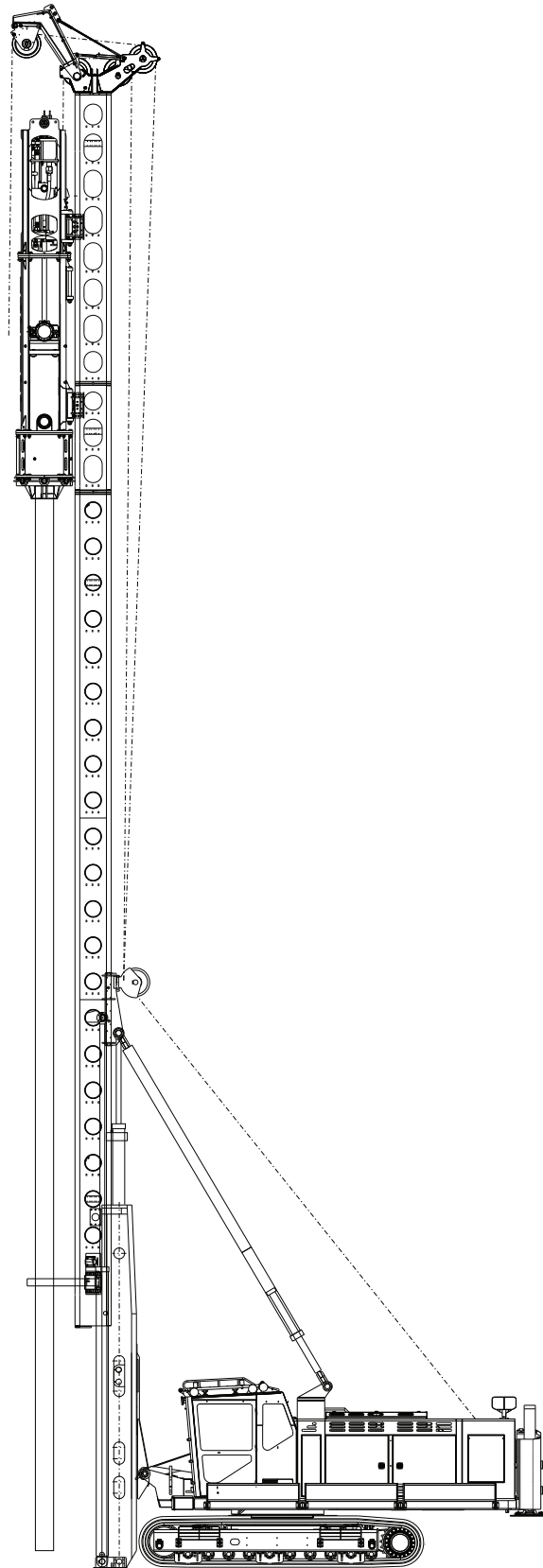


Junttan

Pile Driving Rig
PMx20



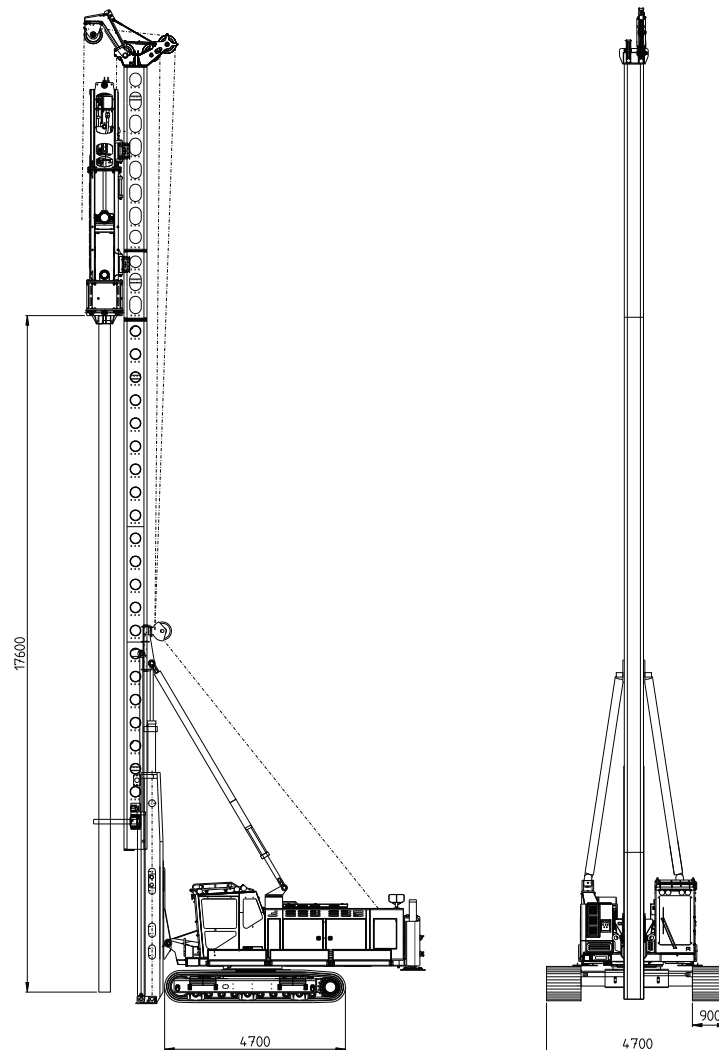
Original
Junttan
product

DATA SHEET

General Information

Junttan PMx20 is a compact piling rig for driving timber, steel and concrete piles. It is an excellent combination of lightweight construction and the capacity for heavy duty pile driving. The recommended hammer ram weight is from 3 000 to 5 000 kg and the maximum pile length with SHK 100-3/4 hammer is 20 meters (~66 ft). The rig has proven productivity due to excellent mobility. The telescopic leader ensures easy and fast handling of piles. Top pile driving performance is guaranteed with Junttan hydraulic hammers. An optional side drill or vibrator hammer makes pile driving even more efficient in some soil conditions. With optional Junttan equipment, optimised working set-up of the rig can be easily achieved.

This Junttan piling rig has the same proven features as the bigger Junttan machines. Its rugged design makes it a safe and reliable rig even in the most demanding working conditions. The selferecting leader and many advanced technical features ensure that the rig is ready to work in just a few minutes. The ergonomic and safety tested cabin allows the driver to concentrate completely on his work. The expandable tracks and low centre of gravity make the rig exceptionally stable in different working situations. The horizontal movement of the leader ensures fast spotting of the pile. Because of the lightweight construction and size, the rig can be easily transported to a new working site.



PMx20 with longest available leader configuration (Hydraulic Impact Hammer SHK100-5)

* Pile length depends on the hammer. See the table of hydraulic hammers beside.

Technical Data

Basic features

Nominal operational weight		55 000 kg	120 000 lb
Leader capacity		13 000 kg	28 700 lb
Winch capacity	Pile:	8 000 kg	17 600 lb
	Hammer:	11 000 kg	24 300 lb
	Auxiliary:	3 000 kg	6 500 lb
Recommended hammer type		SHK 100-3 – SHK 100-5	
Maximum pile length (SHK 100-3/4)		20 m	66 ft

Uppercarriage

Type		PMx20	
Engine	Type:	Cummins QSB6,7	EU Stage IV/US EPA Tier 4F
	Power:	224 kW	300 hp
	Fuel tank:	550 liters	145 gal
Hydraulic system	Max flow:	2x214+(LS)120 lpm/2 000rpm	2x57 + 32 gpm/2 000rpm
	Max pressure:	350 bar	5 076 psi
	Cooling cap.:	2x25kW (dT=30degC)	
	Oil tank:	600 liters	159 gal
Control system	Junttan X control system		
Slew drive	Single drive, 1 380 mm single row slewing ring		
Counterweight	Fixed:	5 500 (+ 2 000) kg	12 100 + 4 400 lb
	Extendable	5 500 kg	12 100 lb
Cabin	Air conditioned safety cabin		

Leader

Type		Telescopic PMx20	
Movements	Telescope	4 000 mm	158 in
	Foot (up/down)	1 000/500 mm	40/20 in
	Horizontal	1 500 mm	59 in
Inclinations	According separate capacity tables Electronic inclinometer included		

Undercarriage

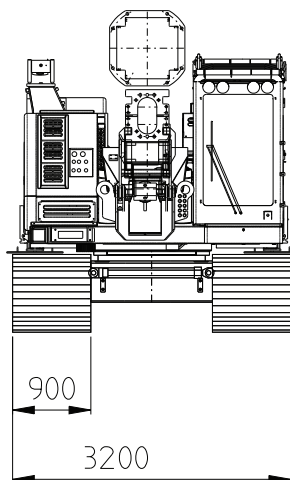
Type		JH47138	
Crawler length		4 700 mm	185 in
Crawler type		D57	
Width (900 shoes)	Min:	3 200 mm	126 in
	Max:	4 700 mm	185 in
Track shoe options	Width:	800/900/1 000 mm	31½/35½/39½ in
	Surface:	3-edge / flat edges / flat	
	Edge type:	normal / chamfer / bended	

Accessories

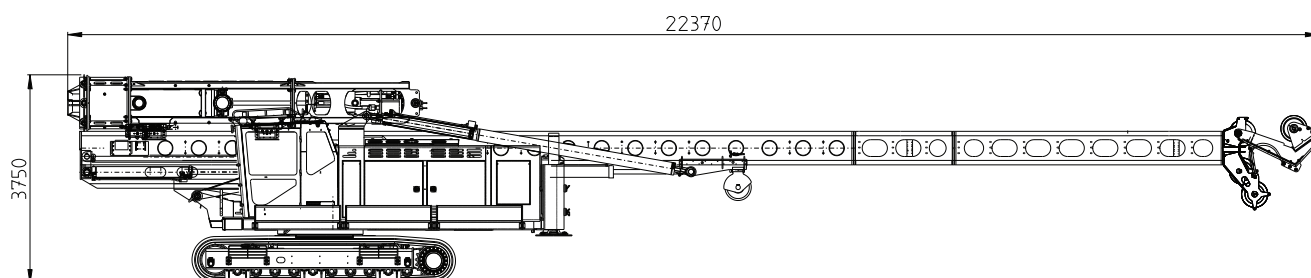
* Side cathead			* iPiler PCD
* Side auger	JD1,5/JD3		* Arctic kit (Fuel heater for engine, batteries and hydraulic oil)
* Rear support legs			* Tropical kit (Bigger coolers for hydraulic oil (2x35kW/dT=30degC))
* Automatic lubrication system			* Leader hinge

* Contact Junttan sales for all available options and accessories

Transport Dimension



Minimum track width.



PMx20 transport dimensions with longest available leader configuration (Hydraulic Impact Hammer SHK100-5).

Optional leader hinge available

Junttan

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