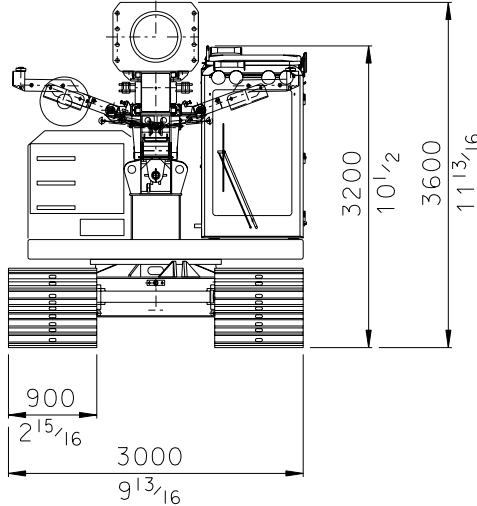
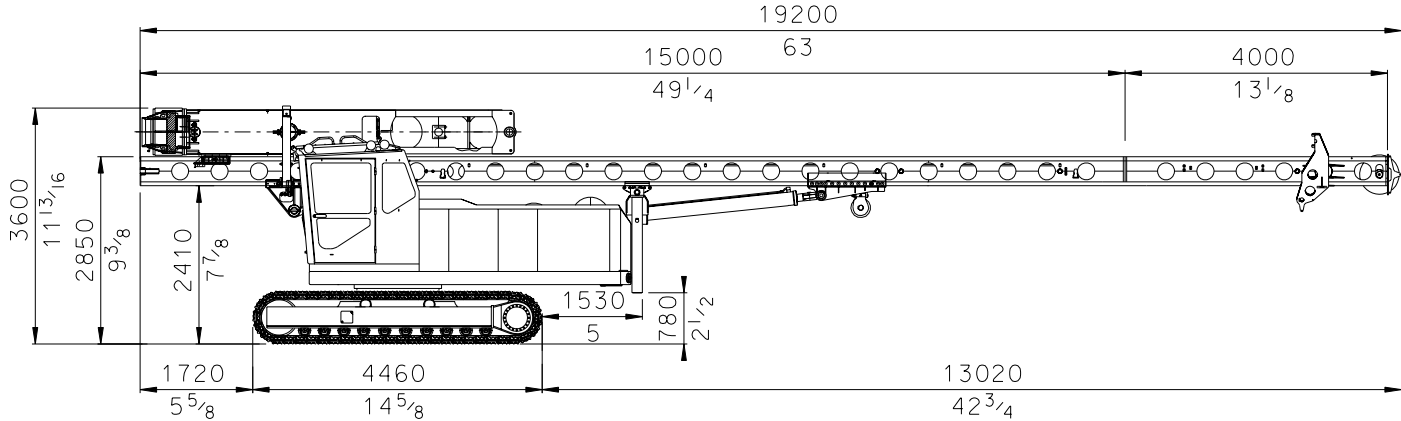


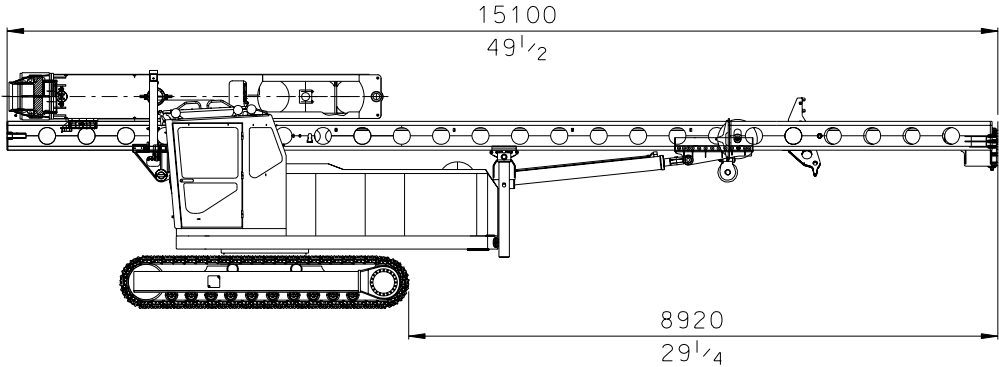
PM 16
Pile Driving Rig



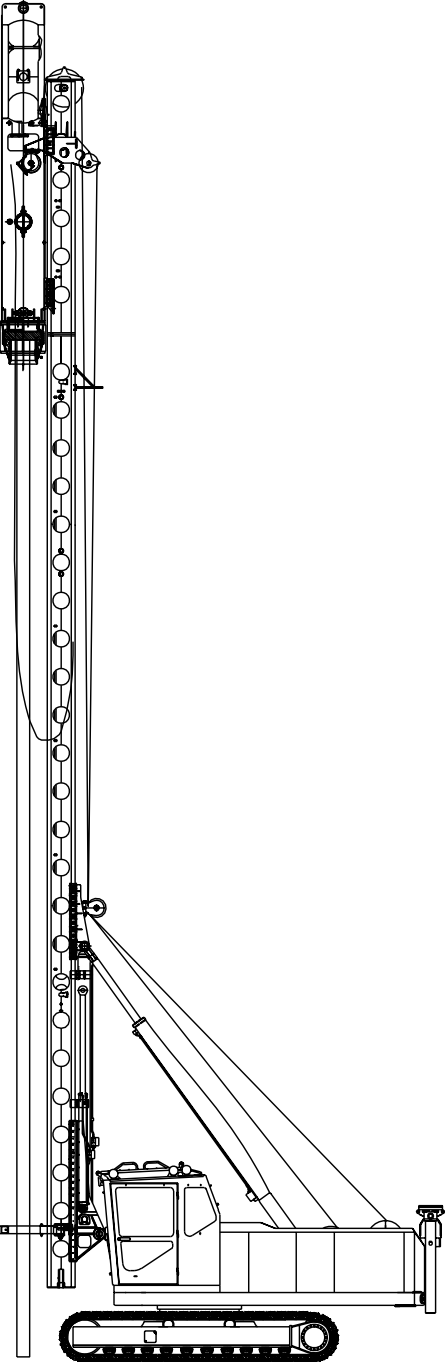
Minimum track width.



JUNTTAN PM 16 with HHK 3A hammer transport dimensions with the standard leader.



JUNTTAN PM 16 with HHK 3A hammer transport dimensions, leader equipped with hinge.

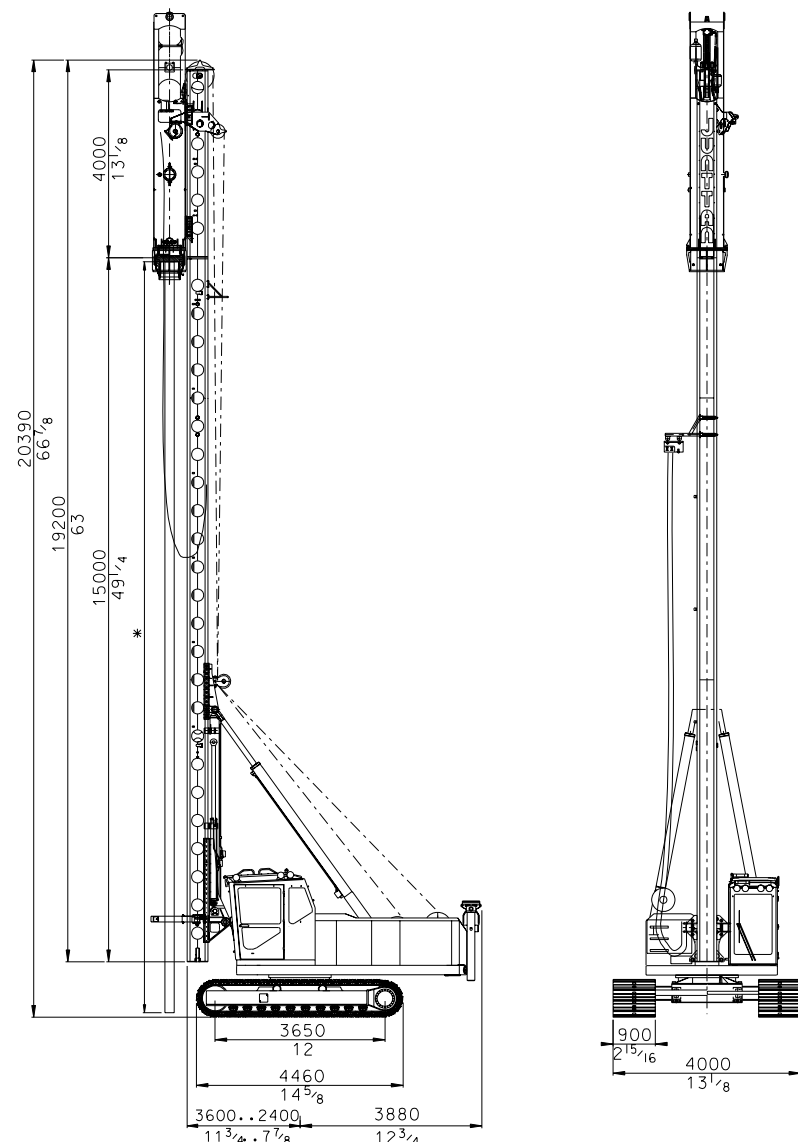


Junttan Oy reserves the right to amend the specification without prior notice. Error and misprints reserved. 3 April 2007 - version M116003.

General Information

Junttan PM 16 is the most compact Junttan piling rig designed for pile driving where piles are lighter and shorter. The rig can be used for driving timber, concrete and different types of steel piles. The recommended hammer ram weight is from 3 000 to 4 000 kg and the maximum pile length is 18 meters (59 ft). The rig has proven productivity due to excellent mobility, easy and fast handling of piles and top pile driving performance 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 compact and agile Junttan piling rig has the same proven features as the heavier Junttan machines. Its rugged design makes it a safe and reliable rig even in the most demanding working conditions. The self-erecting 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 compact size, the rig can be easily transported to a new working site.



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

Technical Data

Leader			
Type	KE 160405		
Length	Leader sections	m (ft)	15+4 (49 1/4+13 1/8)
	Total Length	m (ft)	19.2 (63)
Maximum capacity (pile+hammer)		kg (lb)	12 000 (26 400)
Movements	Vertical movement up/down	mm (inch)	1200/300 (47/12)
	Horizontal movement max.	mm (inch)	1200 (47)
	Inclinations	According to a separate capacity table	
Others	Hydraulic pile arms on leader		
	Electronic leader inclinometer		
Uppercarriage			
Winches	(single line pull, 1. layer)		
	Main winch (hammer)	kg (lb)	8 000 (17 600)
	Aux. winch (pile)	kg (lb)	5 000 (11 000)
Engine	Make and Model Cummins QSB6.7		
	Max. power	kW (hp)	179 (240)
	Fuel tank volume	l (gal)	600 (158)
Hydraulics	Hydraulic oil tank volume	l (gal)	450 (119)
	Max. oil flow	l/min (gpm)	2x 160 + 86 at 2000 rpm (2x 42 + 23 at 2000 rpm)
	Max. pressure	bar (psi)	320 (4640)
Undercarriage			
Type	AV 160402		
	Crawler length	mm (ft)	4460 (14 5/8)
	Min. width	mm (ft)	3000 (9 13/16)
	Max. width	mm (ft)	4000 (13 1/8)
	Triple grouser type track shoes	mm (ft)	900 (2 15/16)
Transport dimensions			
	Length	m (ft)	19.2 (63)
	Width	mm (ft)	3000 (9 13/16)
	Height without hammer	mm (ft)	3200 (10 1/2)
	Height with hammer	mm (ft)	3600 (11 13/16)
	Total weight	kg (lb)	30 000 (66 150)
(excluding hammer and any additional equipment)			
Optional equipment			
<ul style="list-style-type: none"> • Leader hinge • Leader extension piece 2 m (6 1/2 ft) • Top cathead • Side drill (JD 1.5) • Stabilizers (rear legs) 		<ul style="list-style-type: none"> • Air conditioning for cabin • Energy measuring device • Flat track shoes • Narrow track shoes 800 mm (2 5/8 ft) • Other accessories available on request 	
Approvals			
Manufactured according to EN 996 standard			

Hydraulic hammer examples for Junttan PM 16					
Model		HHK 3AL	HHK 3A	HHK 3S	HHK 4A
Max. energy	kNm (ft-lbs)	24 (17 700)	35 (25 900)	44 (32 500)	47 (34 780)
Stroke	m (ft)	0.05-0.8 (3/16-2 5/8)	0.05-1.2 (3/16-3 15/16)	0.05-1.5 (3/16-4 15/16)	0.05-1.2 (3/16-3 15/16)
Blows (adjustable)	per min	40-100	40-100	40-100	40-100
Ram weight	kg (lb)	3 000 (6 600)	3 000 (6 600)	3 000 (6 600)	4 000 (8 820)
Total weight including drive cap	kg (lb)	5 000 (11 000)	6 300 (13 900)	6 500 (14 300)	7 500 (16 530)
Pile length without leader extension	m (ft)	16 (52)	15 (49)	15 (49)	15 (49)
Pile length with leader extension	m (ft)	18 (59)	17 (56)	17 (56)	17 (56)