



Pile Driving Rigs

PM16, PMx20, PMx22 and PM23

High efficiency, a common-sense design and strict adherence to quality of construction mean top performance and reliability on the job. Product development has been enhanced by close cooperation with contractors and users, and many design details are a result of this practical experience.

Junttan self-erecting pile driving rigs can be transported without special arrangements in one piece, thanks to their small transport dimensions, and without having to remove the hammer. State-of-the-art technology is used in the design of Junttan's piling rigs. The low centre of gravity, expandable tracks and movable counterweight ensure excellent rig stability and this allows greater leader inclinations for raked piling. When

equipped with suitable accessories, Junttan pile driving rigs can also be used to install pre-drilled and driven as well as driven cast-in-situ piles from PM25H upwards.

Strict attention has been paid not only to the efficient operation of the rig, but also to the safety and comfort of the operator and to the ease of service and maintenance. Junttan pile driving rigs are friendlier to the environment and more practical than conventional diesel hammers and mechanical piling rigs, as they generate less noise and reduce vibration and harmful emissions. A further advantage is the possibility to use biodegradable oils in the hydraulic system.

Pile Driving Rigs

Model	PM16	PMx20	PMx22	PM23 (long reach boom)
Average working weight	37 000 kg (81 570 lb)	55 000 kg (120 000 lb)	64 000 kg (141 100 lb)	65 000 kg (143 300 lb)
Leader capacity	12 000 kg (26 400 lb)	13 000 kg (28 700 lb)	16 000 kg (35 300 lb)	14 000 kg (30 900 lb)
Recommended ram weight	3-4 tons (6 000 - 9 000 lb)	3-5 tons (6 000 - 11 000 lb)	3-6 tons (6 000 - 13 000 lb)	3-5 tons (6 000 - 11 000 lb)
Max. Pile length	16 m (52 ft)	20 m (66 ft)	20 m (66 ft)	20 m (66 ft)
Engine power	179 kW (240 hp)			
Winch capacity: Pile	5 000 kg (11 000 lb)	8 000 kg (17 600 lb)	10 000 kg (22 000 lb)	8 000 kg (17 600 lb)
Winch capacity: Hammer	8 000 kg (17 600 lb)	11 000 kg (24 300 lb)	11 000 kg (24 300 lb)	10 000 kg (22 000 lb)
Undercarriage: Length	4 450 mm (181 in)	4 700 mm (185 in)	5 100 mm (200 in)	5 700 mm (225 in)
Undercarriage: width (900 shoes)	3 000 - 4 000 mm (118-157 in)	3 200 - 4 700 mm (126-185 in)	3 200 - 4 700 mm (126-185 in)	3 200 - 4 700 mm (126-185 in)