

HPM SHORT MAST RIGS

LOW HEAD ROOM - HIGH TORQUE



The HPM machines are suitable for:

- Bored piles with Kelly bar & CFA
- Low head room & deep bored piles
- Casing bored piles with oscillator
- Soil mixing & vibroflotation
- DTH hammer

HPM short mast foundation rigs are the ultimate solution for making large diameter piles in restricted areas underneath bridges, high-voltage overhead or telephone lines and within existing buildings. The short drilling depth can be compensated by large drilling diameters up to 4000 mm.

TECHNICAL DATA

Description	Units	HPM100 Short Mast	HPM125 Short Mast	HPM200 Short Mast	HPM250 Short Mast
Base		CAT 313 NGH	CAT 323 NGH	CAT 330 NGH	CAT 336 NGH
Engine Model		C3.6	C7.1	C7.1	C9.3B
Engine power	kW	82	129	205	234
Telescopic lower	mm	2500-3300	2540-3600	3000-4270	3000-4270
Rotary torque nominal	kN	123	153	295	370
Rotary torque effective	kN	105	130	251	315
Working speed	rpm	8-28	7-28	9-24	9-24
Discharge speed	rpm	50-125	40-120	50-120	50-120
Main winch capacity	kN	120	180	205	230
Service winch capacity	kN	30	75	115	115
Crowd system		Winch	Cylinder	Cylinder	Cylinder
Crowd push/pull	kN	100/201	180/270	200/310	330/400
Mast height	mm	5800	8250	7700	8340
Standard Kelly bar	m	6/11	5/14.5	6/20	6/21
Drilling ø max.	mm	1000/1000	1800/3000	2400/4000	4000/5500
Operating weight	ton	24.5	32.4	48.2	70.4
Transport weight	ton	24.5	32.4	33	48
Transport dimensions	mm	10510/2500/3030	8960/2540/3400	11470/3000/3650	13555/3000/3505
Optional		Long Mast	Long Mast	Long Mast	Long Mast
Long kelly bar	m	6/21	4/36.5	4/36	4/49
Transport dimensions	mm	10510/2500/3030	14725/2540/3560	16700/3000/3505	16650/3000/3550

MAIN STANDARD EQUIPMENT

- Multifunctional HPM computer
- Travel alarms
- Cameras
- Automatic mast verticality
- Mast memory function
- Rotary speed control
- 10 Gear system
- Remote diagnostics/updates
- Removable counterweight
- Extendable undercarriage

OPTIONAL EQUIPMENT

- Winch crowd system
- Auxiliar swing break
- Oscillator predisposition
- Universal casing joint
- Walking platform
- Remote control
- Self-mounting counterweight
- FOPS cabin
- Biodegradable oil
- Central lubrication system
- CFA kit
- Long mast kit

For further information we kindly ask you to contact our sales team or to visit our website at www.imeco.at.
 Technical specifications subject to change without prior notice. The shown material, equipment and machines may have parts or features which might not be standard. Errors and misprints reserved.
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