MAIT MP M10 Brochure

Technical brochure and product specifications

MP M10

COMPACT DRILLING PERFORMANCE. ROBUST MAIT ENGINEERING.

MP M10 drilling rig

Figure 1 — MP M10 drilling rig

The MAIT MP M10 is a compact, modular drilling rig designed to combine productivity, ease of operation, safety and durability on demanding job sites. Its configuration options allow the machine to be adapted to different drilling applications while simplifying routine and extraordinary maintenance.

Key specifications

FEATURE	SPECIFICATION
Engine	DEUTZ TCD 4.1 L04 — Tier 4 Final / Stage V
Rated power	115 kW
Urea tank capacity	20 L
Diesel tank capacity	140 L
Hydraulic oil tank capacity	300 L
Operating weight	9,500–10,100 kg
Track speed	2 km/h
Maximum pull/push force	7,000 daN
Pull/push speed	50 m/min
Rotary stroke options	1.65 / 2.65 / 3.65 m
Morse range	240–440 mm
Maximum nominal torque	1,000–3,200 daNm

Engine and undercarriage

COMPONENT	SPECIFICATION
Engine	DEUTZ TCD 4.1 L04 — Tier 4 Final / Stage V
Rated power	115 kW
Expandable crawler pitch	1,840 mm
Track length	2,450 mm
Track width	1,800 mm
Track shoes	400 mm
Travel speed	2 km/h
Maximum hydraulic winch pull	2,000 daN
Winch rope capacity	30 m

Modular mast configurations

The MP M10 is available with three modular mast configurations:

MAST TYPE	EXTENSION	LENGTH WITHOUT WINCH	ROTARY STROKE
MB3270	0 m	3.27 m	1.65 m
MB4270	1 m	4.27 m	2.65 m
MB5270	2 m	5.27 m	3.65 m

Additional mast performance:

- Pull/push force: 7,000 daN
- Pull/push speed: 50 m/min
- Translation: 950 mm

Morse groups

MORSE GROUP	NOMINAL DIAMETER	CLAMPING DIAMETER	CLOSING FORCE	UNSCREWING TORQUE
MM240	240 mm	38–230 mm	230 kN	39 kNm
MM355	355 mm	48–340 mm	230 kN	48 kNm
MM440	440 mm	114–420 mm	230 kN	58 kNm

Rotary head options

ROTARY HEAD	MAXIMUM NOMINAL TORQUE	KELLY THREAD
MR15/2	1,500 daNm	3½ APR
MR32/2	1,500 daNm	4½ APR
MR32/3	2,200 daNm	4½ APR
MR32/4	3,200 daNm	4½ APR
MR10/1	1,000 daNm	3½ APR

Transport dimensions

CONFIGURATION	LENGTH WITH WINCH	WIDTH	HEIGHT	WEIGHT
MB3270	5,760 mm	1,900 mm	2,900 mm	9,500 kg
MB5270	6,500 mm	1,900 mm	2,900 mm	10,100 kg

Built for productive job sites

Innovative technical solutions and detailed engineering make the MP M10 productive and straightforward to operate without compromising MAIT's standards for safety and robustness. The machine is designed to support efficient daily work, reduce downtime and simplify both scheduled and unscheduled maintenance.

MAIT

MAIT has more than 70 years of experience designing and manufacturing drilling rigs, tools and accessories for piling, foundations, water research and specialist drilling applications.

Specifications are based on the MAIT MP M10 product information available at mait.it and may vary according to configuration or subsequent manufacturer updates.