MAIT CRANE M30 Brochure

Hydraulic crawler crane with lattice boom • Technical characteristics and applications

CRANE M30

MAIT CRANE M30 crawler crane

Figure 1 — MAIT CRANE M30 crawler crane

HYDRAULIC CRAWLER CRANE WITH LATTICE BOOM

The MAIT CRANE M30 is a hydraulic crawler crane with a lattice boom designed for a wide range of lifting applications. Its tracked undercarriage makes it particularly suitable for construction sites and foundation works, including the installation of reinforcement cages, tremie pipes and related equipment.

The crane is available with different lattice-boom lengths to adapt the machine to varying lifting heights and site requirements.

Maximum lifting capacity: 30 t
Maximum boom height: 22,810 mm
Working angle: 81° to 15°
Maximum operating weight: 32 t

Key characteristics

MAIT CRANE M30 working configuration

Figure 2 — MAIT CRANE M30 working configuration

- Hydraulic crawler crane configuration
- Lattice boom suitable for construction and foundation operations
- Tracked undercarriage for jobsite mobility and stability
- Boom configurations available from 9 m to 21 m
- Maximum lifting load of 30 t at 2.7 m from the slewing-ring axis
- Maximum boom height of 22.810 m
- Base-apparatus rotation speed: 2 rpm
- Suitable for lifting reinforcement cages, tremie pipes and other foundation equipment

Technical data

ENGINE

SPECIFICATION	METRIC	IMPERIAL
Manufacturer	Caterpillar	—
Model	C6.6	—
Power	129 kW @ 2,200 rpm	173 HP @ 2,200 rpm

WINCHES

SPECIFICATION	METRIC	IMPERIAL
1st winch rope diameter	20 mm	0.78 in
1st winch line pull	7.2 t	15,869 lb
1st winch line pull with 5 falls	30 t	66,120 lb
2nd winch rope diameter	20 mm	0.78 in
2nd winch line pull	7.2 t	15,869 lb

CRAWLER UNDERCARRIAGE

SPECIFICATION	METRIC	IMPERIAL
Overall length	4,850 mm	15.9 ft
Overall width	2,540–3,640 mm	8.33–11.94 ft
Track shoe width	600 mm	23.62 in

LATTICE BOOM

SPECIFICATION	METRIC	IMPERIAL
Maximum total length	21 m	68.88 ft
Minimum total length	9 m	29.52 ft

WEIGHT AND WORKING CHARACTERISTICS

SPECIFICATION	METRIC	IMPERIAL
Maximum weight	32 t	70,528 lb
Maximum lifting capacity	30 t @ 2.7 m from slewing-ring axis	66,120 lb @ 8.86 ft
Maximum boom height	22,810 mm	74.82 ft
Base-apparatus rotation speed	2 rpm	2 rpm
Maximum working angle	81°	—
Minimum working angle	15°	—

Applications

The CRANE M30 is engineered for demanding construction and foundation environments, including:

- Foundation and piling sites
- Placement of reinforcement cages
- Installation of tremie pipes
- General construction-site lifting
- Operations requiring a tracked crane with configurable lattice-boom length

MAIT CRANE M30 crawler undercarriage

Figure 3 — MAIT CRANE M30 crawler undercarriage

Configuration flexibility

Different lattice-boom lengths can be selected to match the required lifting height, working radius and site conditions. The crawler undercarriage combines mobility on the jobsite with the stability expected for heavy lifting operations.

MAIT

MAIT designs and manufactures drilling rigs, foundation equipment, cranes, tools and accessories for construction, piling and civil-engineering applications.

Product: CRANE M30
Category: Crawler crane
Source: MAIT official product information — mait.it/products/cranem30.html

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