

MOBILE MARINE DRILLING RIG ARB20-18



Drilling geotechnical and pilot boreholes to 800 m deep at a depth from 1 to 400 m

Soil samples with a core diameter to 107 mm
Cone penetration testing (CPT)

Can be shipped in ISO 20-40 f containers
Independent power supply from the vessel

Can work both from cantilever and through the moonpool
For shallow water operations can be installed on a dump barge, jack-up platform or pontoon

Option for the Arctic projects with installation on an ice-breaker with DP system

MAST

Height	18 m
Operating height	11 m
Base dimensions	2.4 x 2.4 m
Dead-load capacity	30 t

HEAVE COMPENSATOR

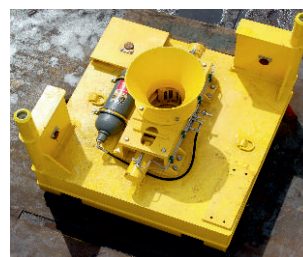
Compensation stripping	3 m
Safe load	20 t

TOP DRIVE

1 speed (80 rpm)	1460 Nm @ 80 rpm
2 speed (160 rpm)	730 Nm @ 160 rpm
2-speed rotary head pull	32 t
Drum capacity	90 m @ 22 mm
Motor type	Hydraulic
Number of motors	4
Motors connection type	Serial and/or parallel

BOTTOM FRAME

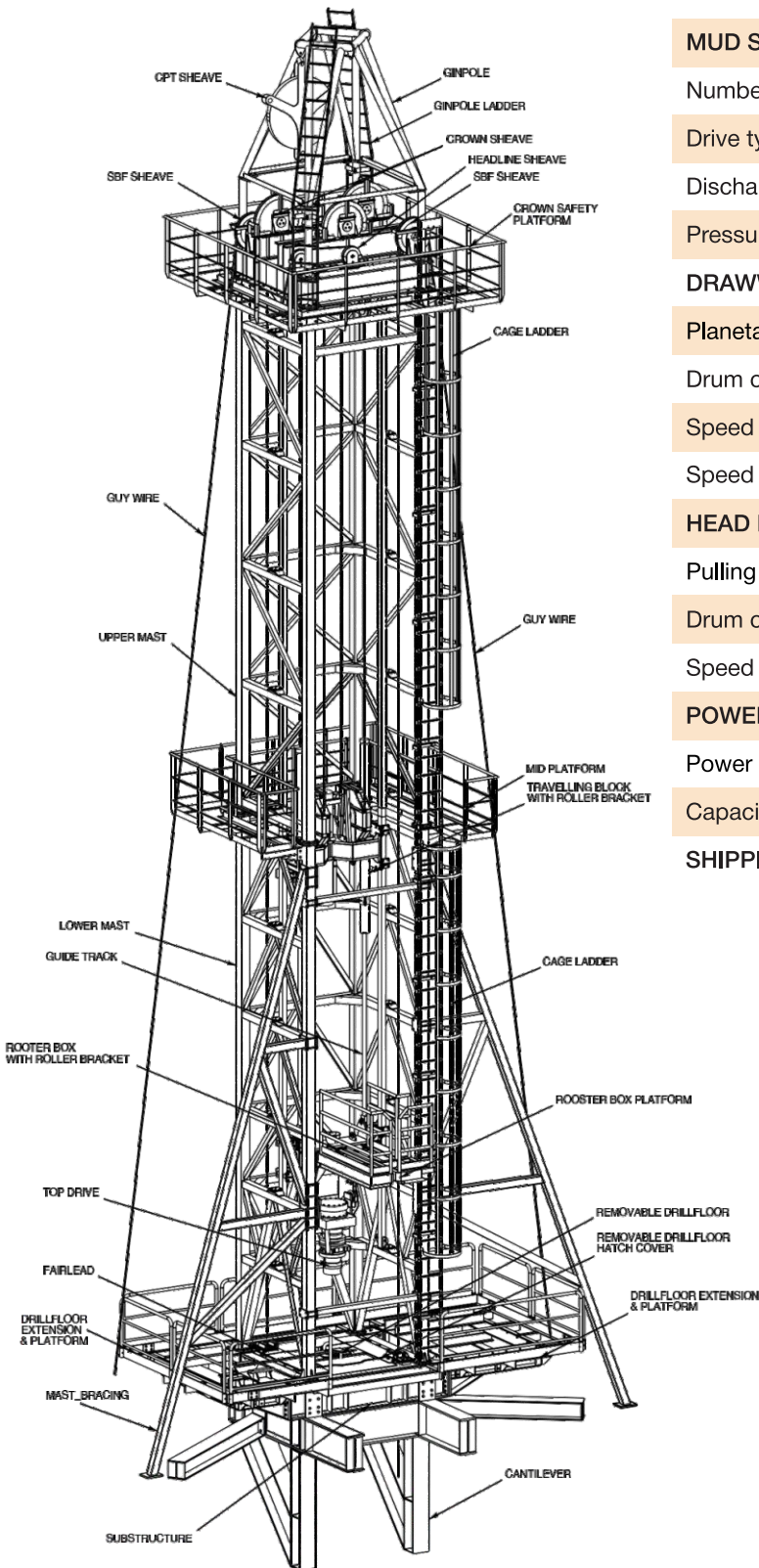
Dimensions (H/L/W)	1.6 m x 1.6 m x 1.8 m
Weight (in air)	10 t
Drilling hole diameter	304 mm
Hydraulic clamping system	Yes
Sheaves (19 mm with rope)	2 x vertical alignment 1 x horizontal alignment



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MUD SYSTEM

Number of mud pumps	2
Drive type	Hydraulic
Discharge rate	370-500 lpm
Pressure	approx. 26.6 bar (386 psi)

DRAWWORKS

Planetary hoist winch	32 t pull
Drum capacity	90 m @ 22 mm
Speed at 1st layer	50 m/min
Speed at top layer	58 m/min

HEAD LINE WINCH

Pulling capacity	2.5 t
Drum capacity	60 m @ 12 mm (1/2")
Speed (bare drum)	38 m/min

POWER SUPPLY

Power unit	Diesel-hydraulic
Capacity	2 x 228 HP

SHIPPING WEIGHT

< 100 t



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