

HM 100/150

Huisman
Highly Mobile
Rig Movie



SPECIFICATIONS

GENERAL

Sub structure

Drillfloor height	18.4 ft	5.6 mtr
Height under rotary table	15.4 ft	4.6 mtr

Mast

Static rated load	100/150 sht	90/136 mt
Clear height, drill floor to bottom water table	83 ft	25.2 m
Total height	105 ft	32 m

HOISTING

Double drum drawworks with autodriller

Power (AC electric)	800 hp	600 kW
---------------------	--------	--------

Traveling block

Splittable blocks	Change between 4/8 falls (HM100)	
	Change between 8/12 falls (HM150)	

Jib winch (optional)

Capacity at max radius	2 sht @ 13 ft	1.8 mt @ 4 mtr
------------------------	---------------	----------------

BOP hoist

Hoist capacity	9.2sht	8.3mt
optional	13sht	12mt

ROTATING EQUIPMENT

Top drive

Max. capacity	165 sht	150 mt
Max. continuous torque	20 llbs.ft	27.1 kNm
Break out torque	32000 lbs.ft	43.4 kN.m

Rotary table 37 1/2

Hang off capacity	150 sht	136 mt
Maximum holding torque	45000 lbs.ft	61.1 kN.m
Torque at 10 rpm	30000 lbs.ft	40.8 kN.m
Power slips max size	13 5/8 inch	342 mm

PIPE HANDLING

Pipe Handling

Maximum tubular length	47 ft	14.3 m
Maximum capacity	2.2 sht	2 mt
Auto tripping speed	>1800 ft/hr	550 m/hr

Powertong

Maximum diameter pipe	8 1/2 inch	216 mm
Break out torque	80000 ft•lbs	10.8 kNm

BACKYARD

Mud tanks

Mud treatment	62 bbl	10 m ³
Active / mix	195 bbl	31 m ³
Slug tank	55 bbl	9 m ³
Trip tank	13 bbl	2 m ³

Additional mud tanks on request

Mud pumps

Power HM100	1x 800 hp	1 x 600 kw
Power HM150	2x 1200 hp	2x 895 kw
Liner size (max)	6 3/4 inch	
Pressure	5000 psi	

WELL CONTROL

BOP

Bore:	11 inch or 13 5/8 inch	
Pressure rating	5000 psi	

Bop control unit

6 station		
Number of bottles	12 x 11 usg	12 x 41 l
Oil reservoir	265 gallons	1000 l

Choke & kill

Pressure	5000 psi	345 bar
Size	3 1/8 inch	77.8 mm

Power

HPU	2 x 150 hp	2 x 110kW
Generators	2x CAT C32 1000 KVA	

Huisman Equipment B.V. This leaflet may not be copied, reproduced, distributed or disclosed by any other than Huisman Equipment B.V. or its subsidiaries and affiliates. This leaflet shall not be deemed to make any representation or warranty as to the accuracy or completeness of the information reflected therein. On the products as described in this leaflet intellectual property rights are vested.

11-2021

www.huismanequipment.com

Huisman
Equipped for impact

PRODUCT SHEET

HM 100/150



HM 100/150

FEATURES

Less time per well

- Fast crane-less rig moves in 6-8 hours
- Highly automated hands-off tubular handling
- Automated pipe tripping > 1800 ft/hr
- Automated casing running > 30 psc/hr
- Automated drilling connections

Lower Non Productive Time through

- Designed to incorporate modern drilling techniques
 - On board Casing While Drilling capabilities
 - Space for a Rotating Control Device
 - Remote access to drilling control panel
- Remote support and maintenance
- Double drum drawworks provides extra redundancy and eliminates slip & cut
- Easy to level by adjustable outriggers

Efficient

- Autodriller with extremely accurate WoB measurement
- Increased lifetime of bit
- Autodriller on differential standpipe pressure
- Higher ROP
- Reduces 3rd party involvement through high level of equipment and system integration

Safer operations

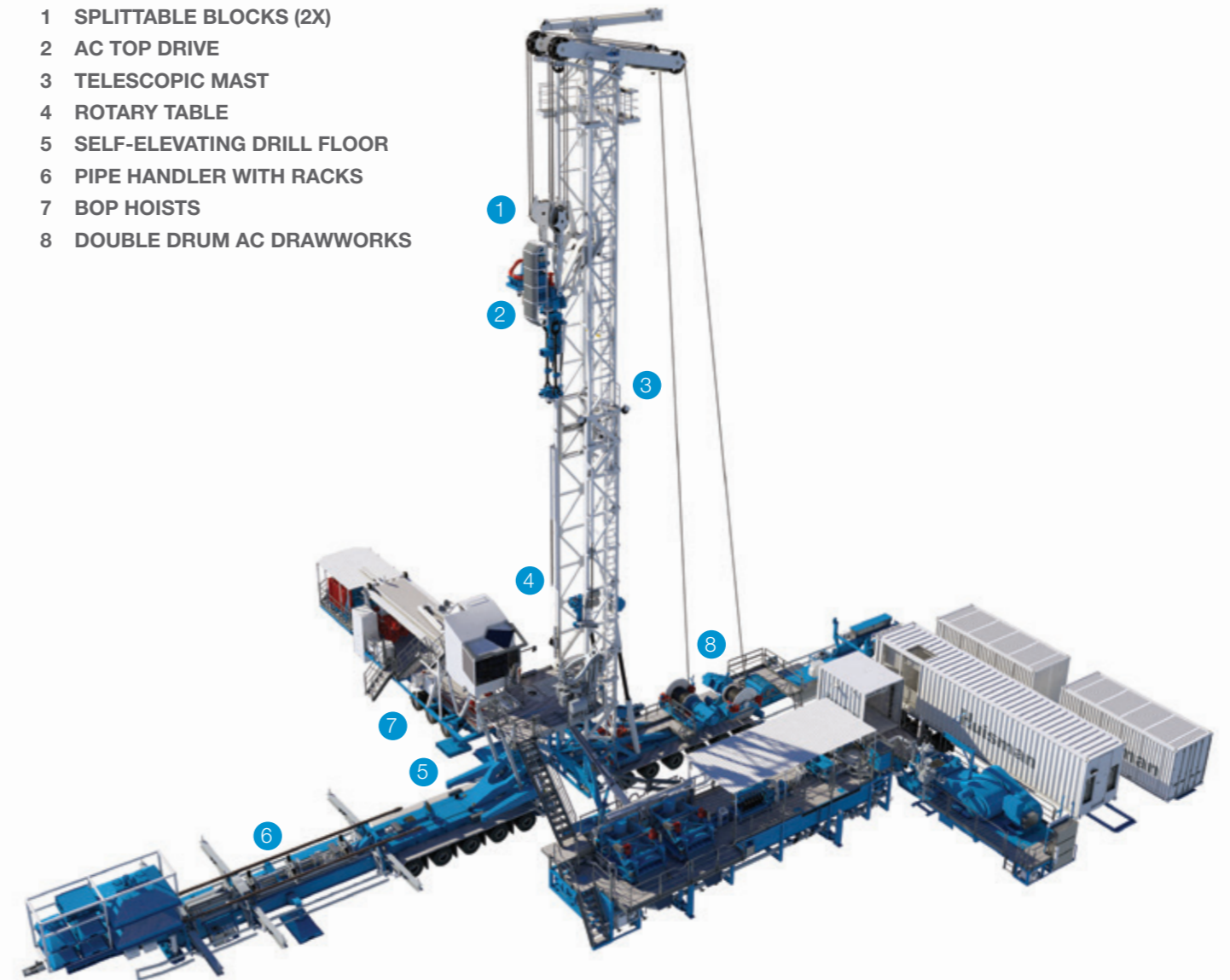
- Reduction of human exposure through high degree of automation
- Rig jib winch

Lower environmental impact

- Closed mud system
- A small rig footprint

OVERVIEW

- 1 SPLITTABLE BLOCKS (2X)
- 2 AC TOP DRIVE
- 3 TELESCOPIC MAST
- 4 ROTARY TABLE
- 5 SELF-ELEVATING DRILL FLOOR
- 6 PIPE HANDLER WITH RACKS
- 7 BOP HOISTS
- 8 DOUBLE DRUM AC DRAWWORKS



FEATURES

- Crane less rig moves in 6-8 hours
- Fully automated sequences for tripping, casing running and drilling connections
- Improved safety by reduction of human exposure through high degree of automation
- Reduced environmental footprint due to AC electric central power system

