

INNORIG XL DESERT

SPECIFICATIONS

GENERAL

Sub structure

Height under rotary table	29 ft	9.1 m
Walking system	XY	

Mast

Static rated load	500 sht	453 mt
Clear height, drill floor to bottom water table	143 ft	43.5 m
Total height	183 ft	55.8 m

HOISTING

Double drum drawworks with autodriller

Power	2000 hp	1491 kW
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Traveling block

Splittable blocks	Change between 4 / 8 / 12 falls	
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Service crane

Capacity at max radius	8.8 sht @ 26 ft	8 mt @ 8 mtr
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BOP hoist

Hoist capacity	2x27.5 sht	2x25 mt
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ROTATING EQUIPMENT

Top drive

Max. capacity	500 sht	454 mt
Max. continuous torque	52000 lbs.ft	70.5 kN.m
Break out torque	78000 lbs.ft	105.8 kN.m

Rotary table 37 1/2 "

Hang off capacity	500 sht	454 mt
Maximum holding torque	78000 lbs.ft	105.8 kN.m
Torque at 10 rpm	30000 lbs.ft	40.8 kN.m
Power slips max size	18 5/8 inch	473 mm

PIPE HANDLING

Pipe Handling

Maximum tubular length	47 ft	14.3 m
Maximum capacity	3.3 sht	3 mt
Auto tripping speed	>4000 ft/hr	>1312 m/hr

Powertong

Maximum diameter pipe	11 1/2 inch	292 mm
Break out torque	120000 ft•lbs	163 kNm

Casing running tools available

Huisman Equipment B.V.

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BACKYARD

Mud tanks

Mud treatment tank	290 bbls	46 m ³
Shakers	3 pcs	
Desander	10 inch	
Desilter	4 inch	
Vacuum degasser	1200 gpm	4542 l/min
Active mud	1530 bbls	243 m ³
Reserve mud	1245 bbls	198 m ³
Water	1300 bbls	207 m ³

Mud pumps

Power	3x1600 HP	3x1193 kW
Liner size	7 inch	
Pressure	7500 psi	

WELL CONTROL

BOP

Bore	13 5/8 inch	
Pressure rating rams	10000 psi	
Pressure rating annular	5000 psi	

Bop control unit

6 station		
Number of bottles	30x11 usg	30x42 l
Oil reservoir	280 usg	1060 l

Mud gas separator

Diameter	48 inch	1219 mm
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Choke & kill

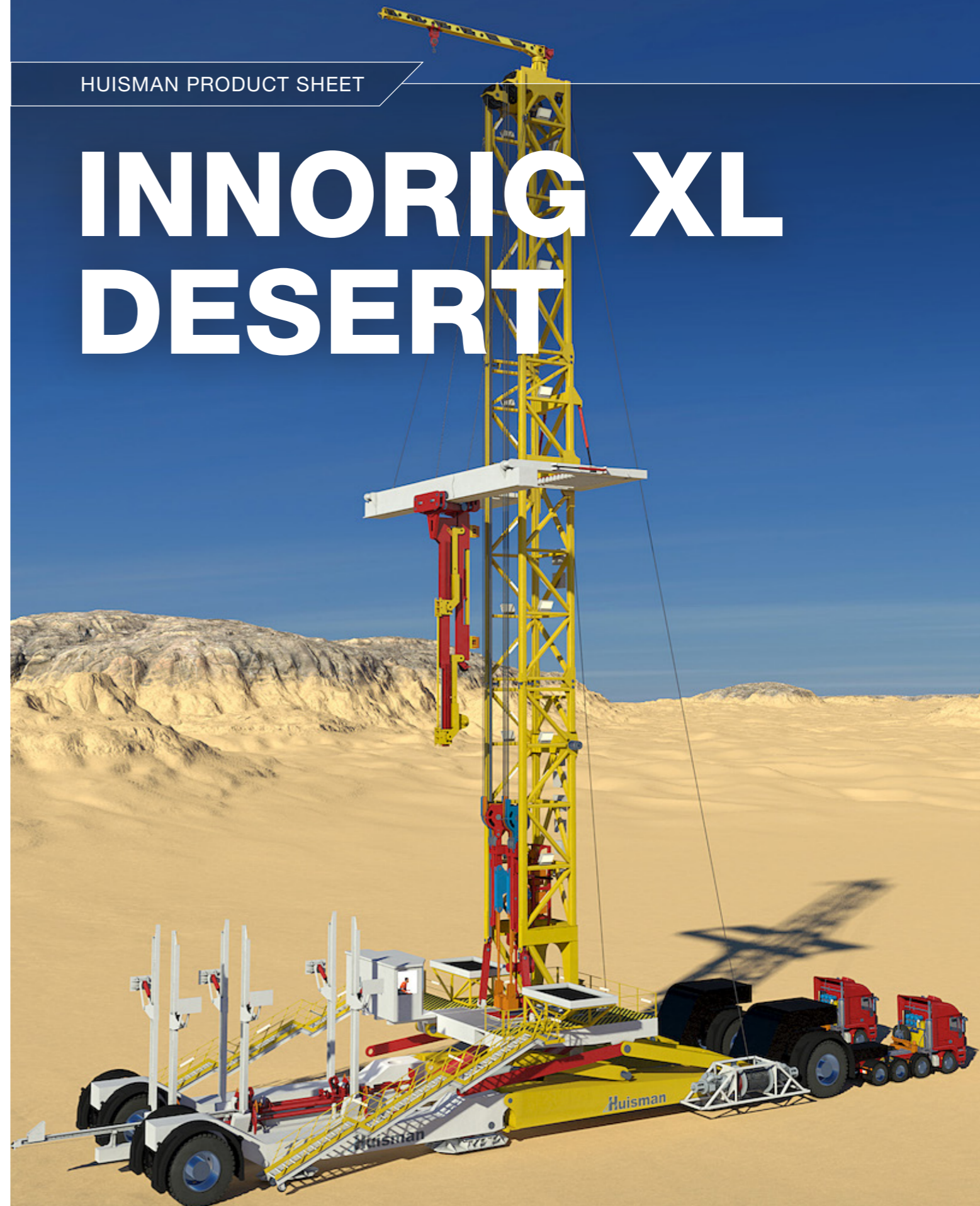
Pressure	10000 psi	690 bar
Size	3 1/8 inch	77.8 mm

Power

HPU	2x400 hp	2x300 kW
Generators	4 or 5 x CAT 3512B 1500 KVA	

HUISMAN PRODUCT SHEET

INNORIG XL DESERT



09-2020

Huisman
Equipped for impact

INNORIG XL DESERT

FEATURES

Efficient

- Automated tripping speeds of > 4000ft/hr
- Short connection to connection times
- Autodriller with extremely accurate WoB measurement → Increased lifetime of bit
- Autodriller on differential standpipe pressure → Higher ROP
- Reduced 3rd party involvement through high level of equipment and system integration
- Fast moves by trailerized backyard and rig wheels
- Craneless rig moves

Lower well costs

- Repetition of best practice and consistent operations through automation
- Automated casing handling removes the casing crew from the drillfloor

Lower Non Productive Time through

- Redundancy in all major components
- Remote support and maintenance
- Fast rig installation → less NPT

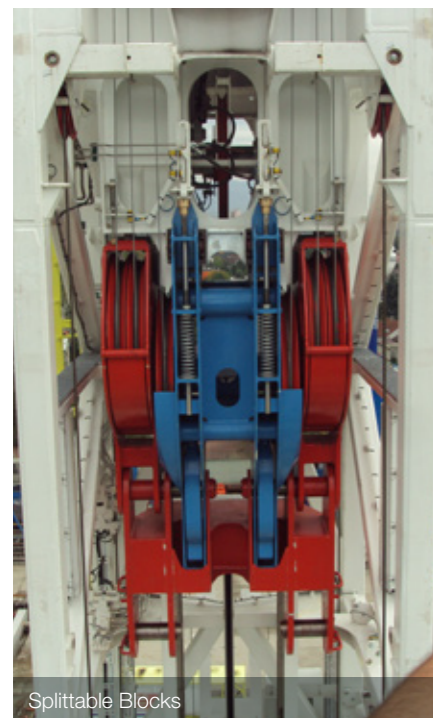
- Designed to incorporate modern drilling techniques
 - On board Casing While Drilling capabilities
 - Space for a Rotating Control Device
 - Remote access technical support

Safer operations

- Reduction of human exposure through high degree of automation
- Service crane with man riding → No people riding on tuggers

Lower environmental impact

- Closed mud system
- Drip free drill floor
- A small rig footprint
- Efficient power use



Splittable Blocks



Pipe handler



Autoslips



Double drum drawworks

OVERVIEW

- 1 SERVICE CRANE
- 2 SPLITTABLE BLOCKS
- 3 FAST TRIP ELEVATOR
- 4 AUTOMATED PIPE RACKER
- 5 HORIZONTAL TO VERTICAL HANDLER
- 6 PIPE STORAGE TUBS
- 7 WALKING SYSTEM
- 8 SUB STRUCTURE FOR CRANE LESS RIG MOVES
- 9 DOUBLE DRUM DRAWWORKS



FEATURES

- Reduce well time and costs by 25%
- Lower Non Productive Time through redundancy in all major components
- Increase efficiency by fully automated tripping at speeds of 4000ft/hr
- Improved safety by reduction of human exposure through high degree of automation