

DRILLING RIG 115



High Arctic has successfully been operating and maintaining Rig 115 in Papua New Guinea since 2015: continuously optimising the integrity and availability of the rig with a proven track record of its increased performance and optimised operating costs.

Rig 115 is a heli-portable, 1500 hp, drilling rig that can be broken down to 10,000 lbs (4,500 kg) loads; allowing for mobilisation and demobilisation in remote areas with Mil-8 or equivalent helicopters. Rig 115 is operated by highly experienced crews, ensuring safe and efficient operation in harsh conditions and environmentally sensitive areas.

MAST

Type: Bootstrap Triple
Height: 146'
Hookload: 750,000 lbs

SUBSTRUCTURE

Type: Box on Box
Height: 7.8 m
Hookload: 750,000 lbs
Setback: 400,000 lbs
BOP Handling: 50 ton

DRAWWORKS

Type: PREP
Rating: 1,500 hp
Drilling Line: 1-1/4"
Drive Type: 2x AC Motor
Aux. Brake: Discs Svendborg

ROTARY TABLE

Type: Hydraulic Drive
Size: 27-1/2"

IRON ROUGHNECK

Type: B&V GF1100
Makeup Torq: 65,000 ft/lb
Breakout Torq: 80,000 ft/lb

TOP DRIVE

Type: Warrior 327H-14HRP
Rating: 600 hp
Cont. Torque: 28,000 ft/lb
Max. Makeup: 35,000 ft/lb
Max. Speed: 180 rpm

POWER GENERATION

Type: 10x Stemac Diesel
Engines: Perkins 2806A
Rating: 610 hp
Alternators: WEG GTA
Rating: 445 kW

MUD TANKS

Active Tanks: 1,060 bbls
Reserve Tanks: 640 bbls
Shale Shakers: 3x MI Swaco MD2
Degasser: MI Swaco Compact

MUD PUMPS

Type: 4x American Block HP800
Rating: 800 hp
Max. Liner: 6-1/4"
Stroke: 8-1/2"
Rated Speed: 160 spm
Rated Pressure: 5,000 psi

WELL CONTROL EQUIPMENT

Annular: 13-5/8" 5K
Single Ram (2x): 13-5/8" 10K
Shear Ram: 13-5/8" 10K Tand. Boost
Choke Manifold: 3-1/16" 10K

DRILL PIPE

5" NC-50: 4,000 m
3-1/2" NC-38: 3,000 m

SUPPORT EQUIPMENT

Crawler Crane: 18t Mantis 3612HRT
Mini Crawler: 3t Maeda 305C
Telehandler: 7t JCB 514-56

