



EXALO

GRUPA PGNiG

**TECHNICAL
RIG SHEET**

HH-220 FA-EU



PRINCIPAL PARTICULARS

Type: **Telescopic Hydraulic System**

Rating: **1340 HP**

Drilling depth: **3700m @ 5"**

DRAWWORKS

Type: **HH 220 Hydraulic Hoist**

Horsepower rating: **1340 HP**

Driven by: **Hydraulic Power Unit 2 x electric motor
AC 670 HP**

Drilling line diameter: **4 x 34 mm**

Auxiliary break: **Hydraulic System**

MAST

Type: **HH -220 Hydraulic Telescopic Mast**

Height: **low position 23m, high position 32m**

Hook load: **200 metric ton**

SUBSTRUCTURE

Type: **HH 220**

Total height: **7,71m**

Clear height: **7,00m**

Setback capacity: **8 joints @ 8"
16 joints @ 6 ½"**

Vertical Pipe Bins capacity: **272 joints @ R3 - 5" (3 700 m)
340 joints @ R3 - 3 ½" (4 600 m)**

ROTARY EQUIPMENT

Rotary table type: **DRILLMEC 37.5**

Rotary table opening: **37 ½"**

Rotary table capacity: **272 metric ton**

Driven by: **2 Hydraulic Motors**

Swivel type: **Integrated with Top Drive**

Top Drive System: **DRILLMEC - ETD275**

TDS capacity: **275 metric ton**

TDS max. torque: **32 000 Nm**

TDS max. speed: **200 rpm**

TDS drive: **Electric motor AC – 450 HP**

Iron Roughneck: **DRILLMEC Power Tong**

DRIVE GROUP

Engine type: **3 x Caterpillar 3512**

Horsepower rating: **3 x 1640 HP**

Generator type: **3 x SR500**

Generator rating: **3 x 1700 kVA**

Generator voltage: **600 V / 50 Hz**

SCR/VFD unit: **DRILLMEC VFD 400 V / 600 V**

Compressors: **2 x BOGE S 75-3**

Air Dryer: **1 x BOGE DAZ – 101-2**

MUD SYSTEM

Mud pumps type: **3 x DRILLMEC 9T1000AC, 5000 psi**

Horsepower rating: **3 x General Electric 5GEB22-L AC, 1150 HP**

Power pump: **3 x 1000 HP**

Shale shakers: **3 x Mongoose, Schlumberger / Mi-Swaco**

Mudcleaner: **1 x Mongoose, Schlumberger / Mi-Swaco**

Degasser: **DC - 1400 Schlumberger / Mi-Swaco**

Active mud system: **220 m³**

High pressure line: **5000 psi**

BOP EQUIPMENT

BOP control unit type: **CAD SB 160 – 11 SB 3K**

Single ram BOP: **SHAFFER - 13 5/8" 5K**

Double ram BOP: **SHAFFER - 13 5/8" 5K**

Annular BOP: **HYDRIL GK 13 5/8" 5K**

INSTRUMENTATION

Weight indicator: **DRILLMEC - electronic system**

Recorder: **DRILLMEC - electronic system**

Drilling control system: **DRILLMEC - electronic system**

www.exalo.pl

Headquarters

Exalo Drilling S.A.
Pl. Staszica 9
64-920 Piła
Poland
phone: +48 67 215 13 00

Sales Department

ul. Naftowa 3
65-705 Zielona Góra
phone: +48 68 329 55 55
fax: +48 68 325 64 42
e-mail: sales@exalo.pl

Czech Republic

phone: +48 134372194
e-mail: czechy@exalo.pl

Kazakhstan

phone/fax: +77272279688
e-mail: kazakhstan@exalo.pl

Ukraine

phone/fax: +38 0442905715
e-mail: ukraine@exalo.pl

Pakistan

phone: +92215874304
e-mail: pakistan@exalo.pl

