



## DRILLMEC HYDRAULIC DRILLING RIG PACKAGE MODEL HH220 FA

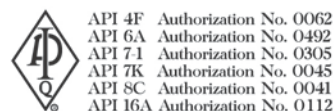
Semitrailer mounted high mobility rotary drilling & workover rig **Drillmec HH220 FA Full Automatic** and fully hydraulic operated.

The rig and its accessories are designed to operate in climate temperatures from -20°C to +40°C and are designed to satisfy the requirements of API RP 500.

### Technical data

- Drill pipe stands handling **Range 3 (single)** and **range 3 casing**
- Max pull **200 metric ton (440,000 lbs)**
- Max pull down **20 metric ton (44,000 lbs)**
- Drilling floor height from ground level **7,710 mm (25.3 ft)**
- Top drive stroke **16.00 m (52 ½ ft)**

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| <b>TELESCOPIC MAST</b>                                  | The hoisting system is based on telescopic mast fabricated in compliance with API 4F, operating as an hydraulic hoist.<br>Maximum pull up is <b>200 metric ton (440,000 lbs)</b> , pull down <b>20 metric ton (44,000 lbs)</b>              |
| <b>SUBSTRUCTURE</b>                                     | Drill floor height <b>7.71 m (25.3 ft)</b><br>Clear height under rotary beams <b>7 m (23 ft)</b><br>DC racking capacity <b>18 Lengths of 6 ½" Drill Collars ; 3 Lengths of 8" DC</b>  |
| <b>HYDRAULIC TOP DRIVE</b>                              | Built in Top Drive System made by DRILLMEC driven by 3 top head hydraulic motors with max. pull up <b>200 metric ton (440,000 lbs)</b> , max. pull down <b>20 metric ton (44,000 lbs)</b> and max torque <b>3.370 daN·m (24.850 lbf·ft)</b> |
| <b>PIPE HANDLING SYSTEM</b>                             | Automatic vertical pipe handling system remotely controlled from driller cabin.   |
| <b>RIG INSTRUMENTATION</b>                              | Data acquisition system & drilling instrumentation made by Drillmec.  |
| <b>TORQUE WRENCH, AUTOMATIC POWER SLIPS, POWER TONG</b> | DRILLMEC HH-Series.   |
| <b>MUD SYSTEM</b>                                       | Five tanks, for a total capacity of 300 cubic meter. Shaker tank is equipped with 3 Brandt Atlas Cobra shale shaker   |



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| <b>MUD PUMPS</b>  | Two Drillmec mod. 12T1600 electric drive by GE 752 DC motors   |
| <b>DIESEL GENERATORS</b>                                | Three MTU generators mod. 12V4000G41, 1750 kVA , 60 Hz, 600 V  |
| <b>SKIDDING SYSTEM</b>                                  | Drillmec skidding system for longitudinal skid on cluster wells (max 15 m)   |
| <b>OTHER EQUIPMENT NOT INCLUDED IN DRILLMEC PACKAGE</b> |  |
| <b>SCR/VFD</b>  | Bentec SCR/VFD soundproofed  |
| <b>WELL CONTROL EQUIPMENT</b>                           | One Double 13 5/8" -10000; One single 13 5/8" -10000; One annular 13 5/8" – 5000 PSI; Q.ty 2single 21" – 5000 psi; one annular and diverter 21 - 2000 PSI; One diverter 29 " – 500 PSI; Choke manifold 10000 PSI |