
RTD75



RTDrill
BY REICHDRILL

RTD75

DIMENSIONS

| | Mast up | Mast down |
|------------------------------------|-----------------|-------------------|
| Length | 14,1 m - 46 ft | 18,6 m - 61.11 ft |
| Operating width (full walkways) | 6,8 m - 22.5 ft | |
| Height | 18,3 m - 60 ft | 5,5 m - 18.7 ft |

SHIPPING DIMENSIONS

| BASE | | |
|--------|-------|-------|
| Length | 14 m | 46 ft |
| Width | 4,3 m | 14 ft |
| Height | 4,3 m | 14 ft |

| MAST | | |
|--------------|-----------|-------------|
| Length | 16,1 m | 52.7 ft |
| Width | 2,4 m | 7.8 ft |
| Height | 1,9 m | 6.2 ft |
| Total weight | 81 647 kg | 180 000 lbs |

6,1 m - 20 ft **Shipping container:** partial cab, support, walkways, misc parts

Estimated weight: 6 803 kg - 15 000 lbs

UNDERCARRIAGE

| | | |
|----------------|--------------------------|---------------|
| Model | Reichdrill or equivalent | |
| Type | D8 | |
| Overall length | 5,99 m | 19 ft 8 in |
| Triple grouser | 800 m | 31.5 in |
| Travel speed | 1,29 - 2,1 km/h | 0.8 - 1.3 mph |
| Gradeability | Up to 45% | |

PULLDOWN PULLBACK

| | | |
|----------|----------|------------|
| Mast | 15,2 m | 50 ft |
| Stroke | 13,4 m | 44 ft |
| Pulldown | 440,2 kN | 98 961 lbf |
| Pullback | 244,6 kN | 54 978 lbf |

MAIN FRAME

| | | |
|------------------|------------------------|-------|
| Leveling jacks | One front and two rear | |
| Bore diameter | 203 mm | 8 in |
| Stroke | 1 219 mm | 48 in |
| Pad size - front | 965 mm | 38 in |
| Pad size - rear | 660 mm | 26 in |

POWER PACK

| | Tier III - IV final | |
|-------------|---------------------------------|------------|
| Engine type | Caterpillar C27 - Cummins QSK23 | |
| Power | 708 kW | 950 hp |
| Speed | 1 800 tr/min | |
| Fuel tank | 3 028 L | 800 US gal |

COMPRESSOR

| | | | |
|----------|-----|---------------------------------------|-----------|
| Model | | Reichdrill or equivalent | |
| Type | | Single - two stages screw oil flooded | |
| Volume | | | |
| | Min | 31,8 m³/min | 1 370 CFM |
| | Max | 76,5 m³/min | 2 700 CFM |
| Pressure | | | |
| | Min | 8,6 bar | 125 PSI |
| | Max | 25,9 bar | 375 PSI |

DRILL PIPE

| | | |
|-------------------------------|----------------|--------------|
| Recommended hole size | 229 - 311 mm | 9 - 12 ¼ in |
| Recommended drill pipe length | 12,2 m | 40 ft |
| 4+1 carrousel | Ø 178 - 219 mm | Ø 7 - 8 ⅝ in |
| Max drilling depth | 61 m | 200 ft |
| Single pass depth | 12,07 m | 39.6 ft |

ROTARY HEAD

| | | |
|--------|-------------------|----------------|
| Type | Dual motor system | |
| Speed | 0 - 141 rpm | |
| Torque | 16 107 Nm | 142 560 lbf-in |

COOLING SYSTEM

| | | |
|------------------|---|-------------|
| Model | Multicore cooler package with thermostatically controlled fan | |
| Standard ambient | up to 54,4°C | up to 130°F |

RTD75

OPERATOR CABIN

Rating: 2 persons operator's **FOPS** cab **ISO3449**

Noise: **Less than 75 dBA**

Controls: **Electric - hydraulic**

OPERATOR CONTROLS AND RELATED

REGEN for increased speed

Mast lock and leveling jack indicator lights

Isolated and pressurized operator's cab with A/C

Tinted safety glass

Operator vision assist system including 7 in - 178 mm LCD/LED

Two compact color cameras with 115° horizontal 86° vertical viewing angle

Walkway from operator's cab to right deck and access ladder

STANDARD EQUIPMENTS

24-VDC to 12-VDC power converter

AM/FM stereo radio/MP3 and two HD speakers

Drill pipe thread greasing system

Ø 4 in (101 mm) spindle sub with 4 in API IF pin thread

Standard halogen & xenon lighting, 9 halogens and 2 xenon exterior night lights illuminating the mast, mast table and drill deck

9 gpm (34.1 LPM) water injection pump (water tank is optional)

Safety kit including 2 hard hats and 1 fire extinguisher

OPTIONS

Angle drilling (0° - 30° in 5° increments)

Full walkways: from cab to right side, left side, rear of cab and mast work deck

Rotary head: 0 - 106 rpm @ 190 081 lbf-in 21 476 Nm torque

Mesabi multicore cooler

Angle drilling - 0° - 20° in 5° increments or 0° - 30° in 5° increments

3+1 (max depth: 48,62 m - 159.6 ft) carousel for up to Ø 9 5/8 in (244 mm) drill pipe, up to 40 ft (12,2 m) length

5+1 (max depth: 73 m - 239.6 ft) carousel for up to Ø 8 5/8 in (219 mm) drill pipe, up to 40 ft (12,2 m) length

Auxiliary 600 GAL - 2 271 L water tank

NVE Dust Control, 7 200 CFM - 204 m³/min capacity

Cold weather package

Fire suppression systems

Upgraded lighting package LED

Additional standard and optional equipments are available, contact the local sales representative for pricing and availability.

Product specifications and dimensions may change without prior notice.

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