



RTDrill
QUALITY DRILLING EQUIPMENT

RTD75



RTD75

Dimensions

	Mast Down	Mast up
Length	18.9 m - 14.1 m	61.11 ft - 46 ft
Operating width	6.8 m	22.5 ft
Height	18.2 m - 5.66 m	59.1 ft - 18.7 ft

Shipping dimensions

BASE

Length	13.92 m	45.8 ft
Width	4.27 m	14 ft
Height	4.22 m	13.10 ft

MAST

Length	16.03 m	52.7 ft
Width	1.88 m	6.2 ft
Height	1.88 m	6.2 ft

6.1 m - 20 ft Shipping container: Partial cab, support, walkways, misc parts

Est. Weight: 6 803 Kg - 15 000 Lbs

Total weight	81 647 kg	180 000 lbs
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Undercarriage

Model	Reichdrill or equivalent	
Type	08	
Overall Length	5.99 m	19 ft. 8 in
Triple grouser	800 mm	31.5 in
Travel speed	1.29 - 2.09 km/h	0.8 - 1.3mph
Gradeability	Up to 45 %	

Pulldown - Pullback

Mast	15.2 m	50 ft.
Stroke	13.4 m	44 ft.
Pulldown	440.2 kN	98 960 lbf
Pullback	244.6 kN	54 978 lbf

Main frame

Leveling jacks	One front and two rear	
Bore diameter	203 mm	8 in
Stroke	1219 mm	48 in
Front	965 mm	38 in
Rear	660 mm	26 in

Power Pack

	Tier III - Tier IV final	
Engine type	Caterpillar - C27	
Power	708 kW	950 hp
Speed	1800 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 m ³ /min	1370 cfm
Max	76.5 m ³ /min	2700 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 carousel	Ø 178 mm up to 219 mm Ø 7 in up to 8 ½ in	
Max drilling depth	61 m	200 ft
Single pass depth	12.04 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

Specifications

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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 - 85° 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

Machine inclination - angle indicator in the cab

Ø 4 in - 1219 mm spindle sub with 4 in API IF pin thread

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

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

Safety Kit including 2 hard hats and 1 fire extinguisher

Options

Cummins QSK23 engine

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 to 106-rpm @ 190081 lbf-in 21476 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 in length

5 + 1 (Max depth 73 m - 239.6 ft) carousel for up to Ø 9-5/8 in - 219-mm drill pipe, up to 40-ft - 12.2-m in length

Auxiliary 2271 l- 600 gallon water tank

NVE Dust Control: 203.9-m³/min -7200-cfm capacity

Cold weather package

Fire suppression systems

Upgraded lighting package LED

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