
RTD70

 **SOLUTION**
Mécanique Diésel
Équipements de forage



RTD Drill
QUALITY DRILLING EQUIPMENT

RTD70

Dimensions

Mast Up - Mast Down

Length	11.2 - 17.37 m	36.7 - 57 ft
Operating width	6.59 m	21.62 ft
Height	13.4 - 4.4 m	44 ft - 14.47 ft

Transport dimensions

Length	17.88 m	58.66 ft
Operating width	6.59 m	21.62 ft
Height	4.98 m	16.33 ft
Total weight	54 420 kg	120 000 lbs

Undercarriage

Model	Reichdrill or equivalent	
Type	330 EL	
Overall length	5.39 m	17.68 ft
Triple grouser	600 mm	23.62 in
Travel speed	1.45 - 2.41 km/h	0.9- 1.4 mph
Gradeability	Up to 50%	

Pulldown Pullback

Mast	12.2 m	40 ft
Stroke	10.4 m	34 ft
Pull down	305.7 kN	68 720 lbf
Pull back	155.9 kN	35 040 lbf

Main Frame

Leveling jacks	One front two rear	
Front	965 mm	38 in
Rear	660 mm	26 in
Stroke	1219 mm	48 in

Power Pack

Tier III - Tier IV Final

Engine type	CAT C18 - C27- Cummins	QSK19 - QSK23
Power	563 - 708 kW	755 - 950 hp
Speed	1 800 tr/min	1 800 tr/min
Fuel Tank	2271 l	600 US gal

Compressor

Model	Single - two stages screw oil flooded	
Type	Reichdrill or equivalent	
Volume		
Min	30.3 m³/min	1070 cfm
Max	38.8 m³/min	1370 cfm
Pressure		
Min	9.6 bar	125 psi
Max	25.9 bar	375 psi

Drill Pipe

Recommended hole size	127 - 254 mm
	5 - 10 in

Recommended drill pipe length	9.1 m	30 ft
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4 + 1 caroussel for	Ø 178 mm up to 194 mm
	Ø 7 in up to 7 in

Max drilling depth	45.26 m	148.6 ft
Single pass depth	8.69 m	28.6 ft

Rotary Head

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

Cooling system

Model	Multicore cooler package with thermostatically controlled fan	
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Standard ambient	Up to 54.4°C	Up to 130° F
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Operator cabin

Rating	2 persons operator's FOPS cab
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 equipment

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
1 x 4 ½ in API IF pin thread
Standard halogen & xenon night lighting,
12 halogen and 3 xenon exterior night lights illuminating the mast, mast table, and drill deck
9 gpm (34.1 LPM) water injection pump (water tank is optional)
Drill pipe thread greasing system

Options

Angle Drilling (0° - 30° in 5° increments)
Partial walkway, cab to full right side of machine
Full walkways - from cab to right side, left side, rear of cab, and mast work deck
Mesabi multicore cooler
Compressor variable volume control
Extended Mast (max depth 63.86 m - 209.6 ft) : 46 ft (14 m) with 40 ft (12.2-m) stroke for 35 ft (10.7 m) drill pipe
4 + 1 carousel adapter kit for pipe less than Ø 7 in (178 mm) and greater than Ø 5 in (127 mm)
Auxiliary 600 gallon (2271 L) water tank
NVE Dust Control, 7200 cfm (204 m3/min) capacity
Centralized Lubrication
Central service center for fuel, engine compressor, hydraulic and coolant fluids



Votre concessionnaire RTDrill pour l'est du Canada

Solution Mécanique Diésel

418-836-0101

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