

RTD75



RTD Drill
QUALITY DRILLING EQUIPMENT



Dimensions	Mast down	Mast up	Power Pack	Tier II	Tier IV Final
Length m - ft	18,9 - 61,11	14,1 - 46	Engine type	CAT	
Operating width m - ft	6,8 - 22,5		Power kW - hp	708 - 950	
Height m - ft	5,66 - 18,7	18,2 - 59,1	Speed tr/min	1800	
Total weight Kg - lbs	Up to 81 647- 180 000		Fuel tank volume l - US gal Standard - Optional	3 028 / 3 463 - 800 / 915	
			Water tank volume l - US gal Optional	662 / 2934 - 175 / 775	
Undercarriage			Compressor		
Model	Reichdrill		Compressor Type	Reichdrill or Sullair	
Overall Length m - ft	5,99 - 19,8			Single / Two Stage Screw Oil Flooded	
Wide triple grouser mm - in	750/800 - 29.5/31.5		Low Pressure	38,8 – 76.5 m ³ /min 6.9 – 8.6 Bar	1370 – 2700 cfm 100 - 125 psi
Travel speed low - high km/h - mph	1,29 to 2,09 - 0,8 to 1,3		High Pressure	32.6 – 38.7 m ³ /min 24.1 - 25.9 Bar	1150 – 1365 cfm 350 – 375 psi
Gradeability %	45				

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Main Specifications

Drill Pipe

Recommended hole size mm - in	229 / 311 - 9 / 12 1/4
Recommended drill pipe length m - ft	12,2 - 40
4+1 Total depth up to Ø8-5/8 in (219 mm)	61 - 200
5+1 Total depth up to Ø8-5/8 in (219 mm)	73,2 - 240
Max drilling depth m - ft	72,3- 237
Single pass depth m - ft	11,35 - 37,3

Pulldown & Hoist

Pulldown Kg - Lbs	40 824 - 90 000
Feed speed m/min - fpm	Standard 27 - 90 Regen 61 - 202
Hoist Kg - Lbs	22 680 - 50 000
Retract speed m/min - fpm	49 - 161

Rotary Head

Type	With dual motors
Speed 1/min - rpm	0 - 141
Torque Nm - lb-in	14 423 - 127 652

Main frame

	Leveling jacks
Diameter mm - in	203 - 8
Stroke mm - in	1 219 - 48
Lift capacity Kg - Lbs	205 200 - 452 388
Pad size front	965 - 38
Pad size rear	660 - 26

Cooling system

Model	Mesabi Multi-core
Standard ambient °C - °F	43 - 110
High ambient °C - °F	54 - 130

Operator cabin

Rating	FOPS for Single Person Cab and No Jump Seat
Noise	Less than 75 dBa
Controls	Electric - Hydraulic
Climate controls	Filtered, pressurized, air conditioned and heated

Hydraulics

System	Open loop
Filtration	Standard 12-micron return Option 5-micron in-line high pressure

Operator controls and related

REGEN for increased rapid feed function
Mast lock and leveling jack indicator lights
Isolated and pressurized operator's cab with A/C and tinted safety glass
Walkway, Right Side Only - Single Cab to Front (No Staircase) Folding Ladders
Walkway, Full, Around Entire Perimeter including Staircase and Double Cab Roof + with Mast Walkway included (Both include "Slide Ladders")
Extreme climate air conditioner
Drill pipe thread grease system
Rotation / Feed Interrupt via membrane switch within operator's seat
E-Stop shutdown group - both sides and cab

Options

Air Compressor and Power Related: MESABI multicore cooler package with thermostatic controlled fan for 130° F (54° C) ambient cooler
Drill Mast, Angle Related: Angle Drilling (0° - 30° in 5° increments) Drill pipe seal and pipe support Retractable dust curtain
Water Injection, Dust Control and Related: 9 gpm (34.1 LPM) water injection pump 175 gal (662 L) to 775 gal (2934 L) Water tank capacity NVE Dust Control (7200 cfm capacity)



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