

RTD70



RTDrill
QUALITY DRILLING EQUIPMENT



Dimensions	Mast down	Mast up
Length m - ft	13,8 - 45,3	10,7 - 35,3
Operating width m - ft	3.9 - 12,11	
Height m - ft	4,4 - 14,6	13,4 - 44
Total weight Kg - lbs	Up to 81 647 - 40 000	

Undercarriage	
Model	Reichdrill
Overall Length m - ft	5,26 - 17,3
Wide triple grouser mm - in	600 - 23,6
Travel speed low - high km/h - mph	1,09 to 1,45 / 2,25 - 0,68 to 0,9 / 1,4
Gradeability %	74% low - 31% high

Power Pack	Tier II	Tier IV Final
Engine type	CAT	
Power kW - hp	587- 800	
Speed tr/min	1800	
Fuel tank volume l - US gal Standard - Optional	2271 / 2934 - 600 / 775	
Water tank volume l - US gal Optional	662 / 2934 - 175 / 775	

Compressor		
Compressor Type	Reichdrill or Sullair	
	Single / Two Stage Screw Oil Flooded	
Low Pressure	38,8 – 48.1 m ³ /min 6.9 – 8.6 Bar	1370 – 2700 cfm 100 - 125 psi
High Pressure	30,3 – 32.6 m ³ /min 24.1 - 25.9 Bar	1070 – 1150 cfm 350 – 375 psi

Drill Pipe

Recommended hole size mm - in	152 / 229 - 6 / 9
Recommended drill pipe length m - ft	9,1 - 30
4+1 Total depth up to Ø7-5/8 in (194 mm)	47,5 - 150
6+1 Total depth up to Ø7-5/8 in (194 mm)	64 - 210
Max drilling depth m - ft	63,1 - 207
Single pass depth m - ft	8,31 - 27,3

Pulldown & Hoist

Pulldown Kg - Lbs	27 216 - 60 000	
Feed speed m/min - fpm	Standard	23,8 - 118
	Regen	36 - 78
Hoist Kg - Lbs	13 608 - 30 000	
Retract speed m/min - fpm	46,9 - 154	

Rotary Head

Type	With dual motors
Speed 1/min - rpm	0-141
Torque Nm - lb-in	12 886 - 114 049

Main frame

	Leveling jacks
Diameter mm - in	165 / 203 - 6,5 / 8
Stroke mm - in	1 219 - 48
Lift capacity Kg - Lbs	158 709 - 349 894
Pad size front	965 - 38
Pad size rear	610 - 24

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)