

RTD45



Dimensions	Mast down	Mast up	Power Pack	Tier III	Tier IV Final
Length m - ft	10,75 - 35,3	8,54 - 28	Engine type	CAT	
Operating width m - ft	2,52 - 8,3		Power kW - hp	388 - 520	
Height m - ft	3,51 - 11,6	10,24 - 33,7	Speed tr/min	1800	
Total weight Kg - lbs	Up to 22 246 - 49 000		Fuel tank volume l - US gal	946 - 250	
			Water tank volume l - US gal	341/929 - 90/245	
Undercarriage			Compressor		
Model	Reichdrill		Compressor Type	Reichdrill or Sullair	
Overall Length m - ft	3,66 - 12			Single / Two Stage Screw Oil Flooded	
Wide triple grouser mm - in	450/500 - 17,7 - 19,7		Low Pressure	21.2 - 25.5 m ³ /min - 6.9 - 8.6 Bar 750 - 900 cfm 100 - 125 psi	
Travel speed low - high km/h - mph	1,29 - 0,8 / 2,09 - 1,3		High Pressure	25.5 m ³ /min - 24.1 - 25.9 Bar 900 cfm 350 - 375 psi	
Gradeability %	60				

Drill Pipe

Recommended hole size mm - in	127 / 167 - 5 / 6 - 1/2
Recommended drill pipe length m - ft	6,1 - 20
3+1 Total depth up to 4	24,4 - 80
5+1 Total depth up to 4	36,6 - 120
Max drilling depth m - ft	36 - 118
Single pass depth m - ft	5,5 - 18

Pulldown & Hoist

Pulldown Kg - Lbs	10 886 - 24 000
Feed speed m/min - fpm	Standard 18,4 - 60,5 Regen 107,7 - 333,75
Hoist Kg - Lbs	6 010 - 13 250
Retract speed m/min - fpm	32,9 - 108

Rotary Head

Type	With dual motors
Speed rpm	0 - 135
Torque Nm - lb-in	7 116 - 62 973

Main Frame

	Leveling jacks
Diameter mm - in	127 - 5
Stroke mm - in	914,4 - 36
Lift capacity Kg - Lbs	93 517,4 - 206 167
Pad size front	457 - 18
Pad size rear	457 - 18

Cooling System

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

Operator Cabin

Rating	Two Man Cab - FOPS, ISO 3449:2005-09 Level II
Noise	82 dBA or less
Controls	Lever-Cable
Climate controls	Filtered, pressurized, air conditioned and heated

Hydraulics

System	Open loop
Filtration	10 micron return 3 micron in-line high pressure

Operator Controls and Related

Partial walkway - from cab to full right side of machine
Extreme climate air conditioner
Drill pipe thread grease system
Petol & Chain in lieu of standard Rigid PBO wrench
Rotation / Feed Interrupt via a switch in 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)

Water Injection, Dust Control and Related:

9 GPM (34.1 LPM) water injection pump
90 gal (341 L), 130 gal (343 L), 165 gal (625 L), 210 gal (796 L)
and 245 gal (852 L) water tank combinations available
NVE Dust Control (3600 CFM capacity)