

# RTD55



## Dimensions

	Mast down	Mast up
Length m - ft	15,8 - 51,9	9,5 - 31,3
Operating width m - ft	3,05 - 10	
Height m - ft	4 - 13,2	14,25 - 46,9
Total weight Kg - lbs	Up to 40 823- 90 000	

## Undercarriage

Model	Reichdrill
Overall Length m - ft	4,62 - 15,2
Wide triple grouser mm - in	600 - 23,62
Travel speed low - high km/h - mph	1,45/2.41 - 0.9/1.5
Gradeability %	39

## Power Pack

	Tier III	Tier IV Final
Engine type	CAT	
Power kW - hp	403 - 540	433- 580
Speed tr/min	1800	1800
Fuel tank volume l - US gal	1 419 - 375	
Water tank volume l - US gal	379/1 249 - 100/330	

## Compressor

	Reichdrill or Sullair	
	Single / Two Stage Screw Oil Flooded	
Low Pressure	25.5 - 38.8 m <sup>3</sup> /min 6.9 - 8.6 Bar	900 - 1 370 cfm 100 - 125 psi
High Pressure	25.5 - 30.3 m <sup>3</sup> /min 24.0 - 25.9 Bar	900 - 1 070 cfm 350 - 375 psi

## Drill Pipe

Recommended hole size mm - in	127 / 172 - 5 / 6-3/4
Recommended drill pipe length m - ft	9,14 - 30
4+1 Total depth up to 5-1/2	45,1 - 148
6+1 Total depth up to 5-1/2	63,4 - 208
Max drilling depth m - ft	63,4 - 208
Single pass depth m - ft	8,5 - 28

## Pulldown & Hoist

Pulldown Kg - Lbs	17 645 - 38 900
Feed speed m/min - fpm	Standard 10,9 - 35,8 Regen 67,5 - 221,6
Hoist Kg - Lbs	10 500 - 23 150
Retract speed m/min - fpm	71 - 233

## Rotary Head

Type	With dual motors
Speed rpm	0-141
Torque Nm - lb-in	7 167 - 63 440

## Main Frame

	Leveling jacks
Diameter mm - in	127 - 5
Stroke mm - in	1 219 - 48
Lift capacity Kg - Lbs	93 517,4 - 206 167
Pad size front	610 - 24
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
Full walkways - Right, Front and Left sides
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: NVE Dust Control (3600 CFM capacity)