

# RTD70



<b>Dimensions</b>		<b>Mast down</b>	<b>Mast up</b>	<b>Power Pack</b>		<b>Tier II</b>	<b>Tier IV Final</b>
Length m - ft		13,8 - 45,3	10,7 - 35,3	Engine type			CAT
Operating width m - ft			3.9 - 12,11	Power kW - hp			597 - 800
Height m - ft		4,4 - 14,5	13,4 - 44	Speed tr/min			1 800
Total weight Kg - lbs		Up to 59 020 - 130 000		Fuel tank volume l - US gal Standard - Optional		2 271 / 2 934 - 600 / 775	
				Water tank volume l - US gal Optional		662 / 2934 - 175 / 775	
<b>Undercarriage</b>				<b>Compressor</b>			
Model		Reichdrill		Compressor Type		Reichdrill or Sullair	
Overall Length m - ft		5,26 - 17,3				Single / Two Stage Screw Oil Flooded	
Wide triple grouser mm - in		600 - 23,6		Low Pressure	38,8 – 76.5 m <sup>3</sup> /min 6.9 – 8.6 Bar	1370 – 1700 cfm	100 - 125 psi
Travel speed low - high km/h - mph		1,45 to 2,25 / 2.25 - 0,9 to 1,4		High Pressure	30,3 – 32.6 m <sup>3</sup> /min 24.1 - 25.9 Bar	1070 – 1150 cfm	350 – 375 psi
Gradeability %		up to 47%					

## 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)	45,7 - 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 - 78 Regen 36 - 118
Hoist Kg - Lbs	13 608 - 30 000
Retract speed m/min - fpm	46,9 - 154

## Rotary Head

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

## Main frame

	Leveling jacks
Diameter rear/front 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

## Options

Walkway, Full, Around Entire Perimeter including Staircase and Double Cab Roof + with Mast Walkway included (Both include "Slide Ladders")
Walkway, Right Side Only - Single Cab to Front (No Staircase) Folding 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
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)