
RTD28



RTDrill
BY REICHDRILL

RTD28

SHIPPING DIMENSIONS

Overall length	10,15 m	33,3 ft
Overall width	2,50 m	8,2 ft
Height	3,85 m	12,63 ft
Total weight	24 500 kg	54 013 lbs
Departure angle	16,5°	

CRAWLER

Driving speed	1,7 - 2,9 km/h	1 - 1.8 mph
Gradeability	30% - 17°	
Crawler oscillation	-7,5° / +10,5°	
Ground clearance	400 mm	15.7 in
Ground pressure	115,8 kN/m ²	

BOOM

Boom type	Rigid boom	
Boom length	2 240 mm	88.2 in
Distance to drilling axis	2 950 mm	116,14 in
Boom slewing	+18° / -98°	
Boom left - right	-44° / +44°	
Tilt angle	-7° / +114°	

MAST

Total length	9 000 mm	29.52 ft
Travel length	5 800 mm	19 ft
Feed force	27 kN	6 070 lbf
Tractive pull	27 kN	6 070 lbf
Feed shift	1 500 mm	4.93 ft

DUST COLLECTOR

Number of filters	4	
Filter area	16 m ²	172 sq ft

POWER PACK

Tier III - Tier IVf - Tier V

Engine type	Caterpillar C13	
Power	287 - 309 kW	385 - 416 hp
Speed	1 800 rpm	
Fuel tank	720 L	190 gal
Hydraulic tank	320 L	85 gal

COMPRESSOR

Model	Ingersoll Rand HR2.0	
Air volume	20,6 m ³ /min	727 CFM
Pressure	23 bar	333 PSI

DRILL TUBE CARROUSEL

Number of tubes	7+1	
Drill tube length	5 000 mm	16.4 ft
Drill tube diameter	76 - 114 mm	3 - 4.5 in
Drill tube thread	API 2 in 3/8	
Hole diameter	95 - 152 mm	3.7 - 6 in
Max drill depth	40 m	131 ft

ROTARY HEAD

Type	Eurodrill RH4X	
Max rotation	96 rpm	
Torque	3,3 kNm	29 207 lbf in
Operating pressure	200 bar	2 900 PSI

ELECTRICAL EQUIPMENT

Voltage	24 V	
Battery capacity	2 x 12 V 1 400 CCA 200 Ah	
Generator	24 V - 115 A	

OTHER DATA

Start temperature lower level	-10°C	14°F
Artic kit	-45°C	-49°F
Tropical kit	+50°C	122°F
Temperature	+40°C	104°F
Altitude	2 000 m	6 561 ft

RTD28

OPERATOR CABIN

Rating: **FOPS-ROPS** EU Standard

Noise: **Less than 81 dBA**

STANDARD EQUIPMENTS

FOPS-ROPS cabin with air conditioning

Rubber vibration dampers

Wiper, washing system, fully adjustable operator seat

Radio/CD

Reversing camera with cab-mounted monitor

Drilling controls: electric remote control for kinematic and drill function

OPTIONS

Angle indicator and depthmeter

Pneumatic drill bit grinding machine

Dust collector pre-separator

Manual hydraulic oil filling pump

Electrical fuel filling pump

Park heating system for cab and oils

Lubrication system greasing points

Water and foam injection system

Tropical kit

Artic kit

Tinted glass

Additional standard and optional equipments are available, contact the local sales representative for pricing and availability.

Product specifications and dimensions may change without prior notice.

RTD32



RTD32

SHIPPING DIMENSIONS

Overall length	12,55 m	41,17 ft
Overall width	2,50 m	8 ft
Height	3,70 m	12,14 ft
Total weight	32 000 kg	70 672 lbs
Departure angle	16°	

CRAWLER

Driving speed	1,9-3,1 km/h	1.2 - 1.9 mph
Gradeability	40% - 21°	
Crawler oscillation	-10° / +8°	
Ground clearance	460 mm	18.1 in
Ground pressure	135 kN/m ²	

BOOM

Boom type	Rigid boom	
Boom length	1 990 mm	6.5 ft
Distance to drilling axis	2 200 mm	7.21 ft
Boom slewing	+30° / -30°	
Boom left - right	-25° / +17°	
Tilt angle	-5° / +115°	

MAST

Total length	10 600 mm	34.77 ft
Travel length	6 900 mm	22.63 ft
Feed force	30 kN	6 744 lbf
Tractive pull	30 kN	6 744 lbf
Feed shift	2 000 mm	6.56 ft

DUST COLLECTOR

Number of filters	6	
Filter area	24 m ²	258 sq ft

POWER PACK

Tier III - Tier V

Engine type	Caterpillar C15 - Cummins QSX15	
Power	403 - 410 kW	540 - 550 hp
Speed	1 800 - 2 100 rpm	
Fuel tank	950 L	251 gal
Hydraulic tank	350 L	92 gal

COMPRESSOR

Model	GHH Rand - CF1000H	
Air volume	28,4 m ³ /min	1 003 CFM
Pressure	28 bar	406 PSI

DRILL TUBE CARROUSEL

Number of tubes	7+1	
Drill tube length	6 000 mm	19.6 ft
Drill tube diameter	102-114-127 mm	4 - 4.5 - 5.5 in
Drill tube thread	API 2 in 7/8" REG and API 3 1/2" REG	
Hole diameter	120 - 200 mm	4.7 - 8 in
Max drill depth	48 m	157 ft

ROTARY HEAD

Type	Eurodrill RH5X	
Max rotation	92 rpm	
Torque	3,45 kNm	25 446 lbf-in
Operating pressure	200 bar	2 900 PSI

ELECTRICAL EQUIPMENT

Voltage	24 V	
Battery capacity	2 x 12 V 1 400 CCA 200 Ah	
Generator	24 V - 150 A	

OTHER DATA

Start temperature lower level	-10°C	14°F
Artic kit	-30°C	-22°F
Tropical kit	+50°C	122°F
Temperature	+40°C	104°F
Altitude	1 500 m	4 922 ft

RTD32

OPERATOR CABIN

Rating: **FOPS-ROPS** EU Standard

Noise: **Less than 81 dBA**

STANDARD EQUIPMENTS

FOPS-ROPS cabin with air conditioning

Rubber vibration dampers

Wiper, washing system, fully adjustable operator seat

Radio/CD

Reversing camera with cab-mounted monitor

Control stand with joystick for drilling procedure: boom regulation and driving

Power pack: aggregate equipment, return line filter - air, water filters, combi-cooling, combination cooler for compressor

Drilling controls: electric remote control for kinematic and drill function

Cold start facility (either injection)

LED working lights: 2 on the cab + 2 at the rear

OPTIONS

Angle indicator and depthmeter

Pneumatic drill bit grinding machine

Dust collector pre-separator

Manual hydraulic oil filling pump

Electrical fuel filling pump

Park heating system for cab and oils

Lubrication system greasing points

Water and foam injection system

Front guard cabin

Tinted glass

Additional standard and optional equipments are available, contact the local sales representative for pricing and availability.

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RTD45



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BY REICHDRILL

RTD45

DIMENSIONS

	Mast up	Mast down
Length	8,81 m - 28.92 ft	13,41 m - 44 ft
Operating width	2,51 m - 8,25 ft	
Height	12,31 m - 40.38 ft	3,61 m - 11.83 ft

TRANSPORT DIMENSIONS

Length	13,41 m	44 ft
Width	2,51 m	8.25 ft
Height	3,61 m	11.83 ft
Total weight	24 948 kg	55 000 lbs

UNDERCARRIAGE

Model	Reichdrill or equivalent	
Type	315 L or equivalent	
Overall length	3,63 m	11.92 ft
Triple grouser	450 mm	17.72 in
Travel speed	1,45 - 2,57 km/h	0.9 - 1.6 mph
Gradeability	Up to 50%	

PULLDOWN PULLBACK

Lattice mast	10,67 m	35 ft
Stroke	8,53 m	28 ft
Pull down	123,8 kN	27 833 lbf
Pull back	68,8 kN	15 463 lbf

MAIN FRAME

Leveling jacks	One front and two rear	
Bore diameter	127 mm	5 in
Stroke	914 mm	36 in
Pad size	457 mm	18 in

POWER PACK

	Tier III - Tier IV final	
Engine type	Caterpillar C15 - Cummins QSX15	
Power	403 kW	540 hp
Speed	1 800 rpm	
Fuel tank	927 L	245 US gal

COMPRESSOR

Model		Reichdrill or equivalent	
Type		Single or two stages, screw, oil flooded	
Volume			
	Min	21,3 m³/min	700 CFM
	Max	25,5 m³/min	900 CFM
Pressure			
	Min	8,6 bar	125 PSI
	Max	24,1 bar	350 PSI

DRILL PIPE

Recommended hole size	127 - 165 mm	5 - 6.5 in
Recommended drill pipe length	7,62 m	25 ft
4+1 carrousel	Ø 102 - 114 mm	4 - 4 ½ in
Max drilling depth	30,97 m	101.6 ft
Single pass depth	8,10 m	26.6 ft

ROTARY HEAD

Type	Single hydraulic motor drive	
Speed	0 - 141 rpm	
Torque	7 130 Nm	63 108 lbf-in

COOLING SYSTEM

Model	Multicore cooler package with thermostatically controlled fan	
Standard ambient	up to +54,4°C	up to 130°F

RTD45

OPERATOR CABIN

Rating: **FOPS** Standard

Noise: **Less than 82 dBA**

OPERATOR CONTROLS AND RELATED

Mast lock and leveling jack indicator lights

Isolated and pressurized operator's cab

Air conditioning - heat - pressurization

Tinted safety glass

Operator vision assist system including 7 in - 178 mm LCD/LED

Two compact color cameras with 115° horizontal 86° vertical viewing angle

STANDARD EQUIPMENTS

Emergency stop buttons located on left and right sides and in the operator's cab

24-VDC to 12-VDC power converter

AM/FM stereo radio/MP3 and two HD speakers

Drill pipe thread greasing system

Ø 4 in (101 mm) spindle sub with 4 in API IF pin thread

Standard halogen & xenon lighting, 9 halogens and 2 xenon exterior night lights illuminating the mast, mast table and drill deck

Safety kit including 2 hard hats and 1 fire extinguisher

OPTIONS

Angle drilling (0° - 30° in 5° increments)

Double stand-up operator's cab, includes walkway along full right side of drill base

NVE Dust Control, 3 600 CFM - 101,9 m³/min

9 GPM - 34,1 LPM water injection pump

Auxiliary water tank:

454 L - 100 US gal

511 L - 135 US gal

794 L - 210 US gal

1 154 L - 305 US gal

1 230 L - 325 US gal

Centralized lubrication

Central service center for fuel, engine, compressor, hydraulics and coolant

Artic package

LED night lighting

Additional standard and optional equipments are available, contact the local sales representative for pricing and availability.

Product specifications and dimensions may change without prior notice.

RTD55



RTDrill
BY REICHDRILL

RTD55

DIMENSIONS

	Mast up	Mast down
Length	9,98 m - 32.8 ft	15,60 m - 51.2 ft
Operating width	3,05 m - 10 ft	
Height	15,21 m - 49.9 ft	4,05 m - 13.3 ft

TRANSPORT DIMENSIONS

Length	15,60 m	51.2 ft
Width	3,05 m	10 ft
Height	4,05 m	13.3 ft
Total weight	36 287 kg	80 000 lbs

UNDERCARRIAGE

Model	Reichdrill or equivalent	
Type	325 L	
Overall length	3,60 m	11.10 ft
Triple grouser	600 mm	23.62 in
Travel speed	1,45 - 2,41 km/h	0.9 - 1.5 mph
Gradeability	Up to 50%	

PULLDOWN PULLBACK

Mast	12,5 m	41 ft
Stroke	10,4 m	34 ft
Pull down	211,4 kN	47 517 lbf
Pull back	110,1 kN	24 740 lbf

MAIN FRAME

Leveling jacks	3	
Bore diameter	127 mm	5 in
Stroke	1 219 mm	48 in
Front pad size	610 mm	24 in
Rear pad size	457 mm	18 in

POWER PACK

	Tier III - Tier IV - Tier IVf - Tier V	
Engine type	Caterpillar C15 - Cummins QSX15	
Power	432 - 447 kW	580 - 600 hp
Speed	1 800 rpm	
Fuel tank	1 419 L	375 US gal

COMPRESSOR

Model		Reichdrill or equivalent	
Type		Single - two stages screw oil flooded	
Volume			
	High pressure	25,5 - 38,5 m³/min	900 - 1 360 CFM
	Low pressure	21,2 - 31,1 m³/min	750 - 1 100 CFM
Pressure			
	High pressure	24,1 - 25,9 bar	350 - 375 PSI
	Low pressure	8,6 bar	125 PSI

DRILL PIPE

Recommended hole size	127 - 172 mm	5 - 6 ¾ in
Recommended drill pipe length	9,14 m	30 ft
4+1 carrousel	Ø102 - 140 mm	4 - 5 ½ in
Max drilling depth	45,57 m	149.6 ft
Single pass depth	9 m	29.6 ft

ROTARY HEAD

Type	Dual motor system	
Speed	0 - 141 rpm	
Torque	7 292 Nm	64 543 lbf-in

COOLING SYSTEM

Model	Multicore cooler package with thermostatically controlled fan	
Standard ambient	up to +54,4°C	up to 130°F

RTD55

OPERATOR CABIN

Rating: **FOPS** Standard

Noise: **Less than 82 dBA**

OPERATOR CONTROLS AND RELATED

REGEN for increased speed

Mast lock and leveling jack indicator lights

Isolated and pressurized operator's cab with A/C

Tinted safety glass

Operator vision assist system including 7 in - 178 mm LCD/LED

Two compact color cameras with 115° horizontal 86° vertical viewing angle

OPTIONS

Angle drilling (0° - 30° in 5° increments)

Double stand-up operator's cab, includes walkway along full right side of drill base

Full walkway around perimeter of machine

Mesabi multicore cooler

6+1 pod carousel for 30 ft (9,1 m) drill pipe, Ø 4 ½ - 5 ½ in (114 - 140 mm)

9 GPM - 34,1 LPM water injection pump

NVE Dust Control, 3 600 CFM

Central service center for fuel, engine, compressor, hydraulics and coolant

Artic package

STANDARD EQUIPMENTS

Emergency stop shutdown located on both sides of the cab

Electronic resonating horn

Amber beacons on mast and crown

Ø 4 in (101 mm) spindle sub with 4 in API IF pin thread

Standard halogen & xenon lighting, 9 halogens and 2 xenon night lights illuminating the mast, mast table and drill deck

Safety kit including 2 hard hats and 1 fire extinguisher

24-VDC to 12-VDC power converter

AM/FM stereo radio/MP3 and two HD speakers

Drill pipe thread greasing system

Additional standard and optional equipments are available, contact the local sales representative for pricing and availability.

Product specifications and dimensions may change without prior notice.

RTD65T



Dimensions	Mast down	Mast up	Engine	Tier IV Final
Length m - ft	12,61 - 41,4	12 - 39,4	Type	CAT C15
Operating width m - ft	2,52 - 8,3		Power kW - hp	433 - 580
Height m - ft	4,17 - 13,8	12,56 - 41,2	Speed tr/min - rpm	1 800
Total weight Kg - lbs	Up to 27 240 - 60 000		Fuel tank volume l - US gal	662 - 175
			Water tank volume l - US gal	454 - 120
MACK Truck			Compressor	
Power kW - hp		377 - 505	Compressor Type	Reichdrill
Axle Rating kg - lbs	Front	9 072 - 20 000		Single / Two Stage Screw, Oil Flooded
	Rear	20 865 - 46 000	Standard - High Pressure	30.3 m³/min @ 8.6 Bar - 1 070 cfm @ 125 psi
Optional Lift Axle kg - lbs	Steerable	9 072 - 20 000	Optional High Pressure	25.5 m³/min @ 25.9 Bar -900 cfm @ 375 psi

RTD65T

Main Specifications

Drill Pipe

Recommended hole size mm - in	127 - 171.1 / 5 - 63/4
Recommended drill pipe length m - ft	7,6 - 25
4+1 Std Capacity Up to Ø5 - 1/2 in (139.7mm) m - ft	38,1 - 125
Up to 7+1 capacity UP to Ø5 - 1/2 in (139.7mm) m - ft	60,96 - 200
Max drilling depth m - ft	61 - 207
Single pass depth m - ft	6,78 - 22,3

Pulldown & Hoist

Pulldown Kg - Lbs	12 247 - 27 000
Feed speed m/min - fpm	Standard 14,8 - 48,56
	Rapid 53,6 - 175,74
Hoist Kg - Lbs	16 148 - 35 600
Hoist speed m/min - fpm	Standard 10,40 - 34,11
	Rapid 37,63 - 123,45

Rotary Head

Type	Top head
Speed rpm	0 - 141
Torque Nm - lb-in	6 474 - 57 300

Main frame

		Leveling jacks
Diameter mm - in	Front	127 - 5
	Rear	102 - 4
Stroke mm - in	Front	1 219 - 48
	Rear	914 - 36
Jack Pad Diameter mm - in		457 - 18

Cooling system

Standard ambient °C - °F	43 - 110
High ambient °C - °F	54 - 130

Control station

Controls	Electric - Hydraulic
Climate controls	Filtered, pressurized, AC and heater
Interior noise level	Less than 75 d(B)A

Hydraulics

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

Options

Air compressor and Power related: multicore cooler package with thermostatic controlled fan for 54°C - 130° F ambient cooler

Drill Mast, angle related : Angle drilling 0° - 30° in 5° increments)

Water injection, Dust control and related

Drill Mast and Related

Hydraulic indexing and hydraulic index lick pins

Reichdrill hydraulic power breakout tong

Hydraulic automatic "V"

8,500 lb. (3,856 kg) winch

Safety lock on drill pipe carousel

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

E-stop shutdown, group - both sides and cab

Drill pipe thread grease system

Contact

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RTD70



RTDrill
BY REICHDRILL

RTD70

DIMENSIONS

	Mast up	Mast down
Length	11,18 m - 36.7 ft	17,37 m - 57 ft
Operating width (full walkways)	6,3 m - 20.6 ft	
Height	16,5 m - 54 ft	4,4 m - 14.47 ft

TRANSPORT DIMENSIONS

Length	17,88 m	58.66 ft
Width	3,81 m	12.5 ft
Height	4,98 m	16.33 ft
Total weight	54 431 kg	120 000 lbs

UNDERCARRIAGE

Model	Reichdrill or equivalent	
Type	330 EL	
Overall length	5,39 m	17.68 ft
Triple grouser	600 mm	23.6 in
Travel speed	1,45 - 2,41 km/h	0.9 - 1.4 mph
Gradeability	Up to 50%	

PULLDOWN PULLBACK

Mast	12,2 m	40 ft
Stroke	10,4 m	34 ft
Pulldown	293,58 kN	66 000 lb
Pullback	150,35 kN	33 800 lb

MAIN FRAME

Leveling jacks	One front and two rear	
Bore diameter	965 mm	38 in
Stroke	660 mm	26 in
Pad size	1 219 mm	48 in

POWER PACK

	Tier III - Tier IV final	
Engine type	Caterpillar C18 - C27 Cummins QSK19 - QSK23	
Power	563 - 708 kW	755 - 950 hp
Speed	1 800 rpm	
Fuel tank	2 271 L	600 US gal

COMPRESSOR

Model		Reichdrill or equivalent	
Type		Single - Two stages screw, oil flooded	
Volume			
	Min	30,3 m³/min	1 070 CFM
	Max	38,8 m³/min	1 370 CFM
Pressure			
	Min	8,6 bar	125 PSI
	Max	25,9 bar	375 PSI

DRILL PIPE

Recommended hole size	127 - 254 mm	5 - 10 in
Recommended drill pipe length	9,1 m	30 ft
4+1 carrousel	Ø 178 to 194 mm	Ø 7 to 7 ½ in
Max drilling depth	45,29 m	148.6 ft
Single pass depth	8,72 m	28.6 ft

ROTARY HEAD

Type	Dual motor system	
Speed	0 - 141 rpm	
Torque	16 107 Nm	142 560 lbf-in

COOLING SYSTEM

Model	Multicore cooler package with thermostatically controlled fan	
Standard ambient	up to +54,4°C	up to 130°F

RTD70

OPERATOR CABIN

Rating: 2 persons operator's **FOPS** cab

Noise: **Less than 75 dBA**

Controls: **Electric - hydraulic**

OPERATOR CONTROLS AND RELATED

REGEN for increased speed

Mast lock and leveling jack indicator lights

Isolated and pressurized operator's cab with A/C

Tinted safety glass

Operator vision assist system including 7 in - 178 mm LCD/LED

Two compact color cameras with 115° horizontal 86° vertical viewing angle

Walkway from operator's cab to right deck and access ladder

STANDARD EQUIPMENTS

24-VDC to 12-VDC power converter

AM/FM stereo radio/MP3 and two HD speakers

Drill pipe thread greasing system

Machine inclination - angle indicator in the cab

1 x 4 ½ in API IF pin thread

Ø 4 in (101 mm) spindle sub with 4 in API IF pin thread

Standard halogen & xenon lighting, 12 halogens and 3 xenon exterior night lights illuminating the mast, mast table and drill deck

9 gpm (34.1 LPM) water injection pump (water tank is optional)

OPTIONS

Angle drilling (0° - 30° in 5° increments)

Partial walkway, cab to full right side of machine

Full walkways - from cab to right side, left side, rear of cab and mast work deck

Mesabi multicore cooler

Compressor variable volume control

Extended mast (max depth 63,86 m - 209.6 ft) : 14 m - 46 ft with 12,2 m - 40 ft stroke for 10,7 m - 35 ft drill pipe

4+1 carousel adapter kit for pipe less than Ø 7 in - 178 mm and greater than Ø 5 in - 127 mm

Auxiliary 600 GAL - 2 271 L water tank

NVE Dust Control, 7 200 CFM - 204 m³/min capacity

Centralized lubrication

Central service center for fuel, engine compressor, hydraulics and coolant fluids

Additional standard and optional equipments are available, contact the local sales representative for pricing and availability.

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Contact

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