

45
YEARS

REL
REVATHI EQUIPMENT LIMITED

C850

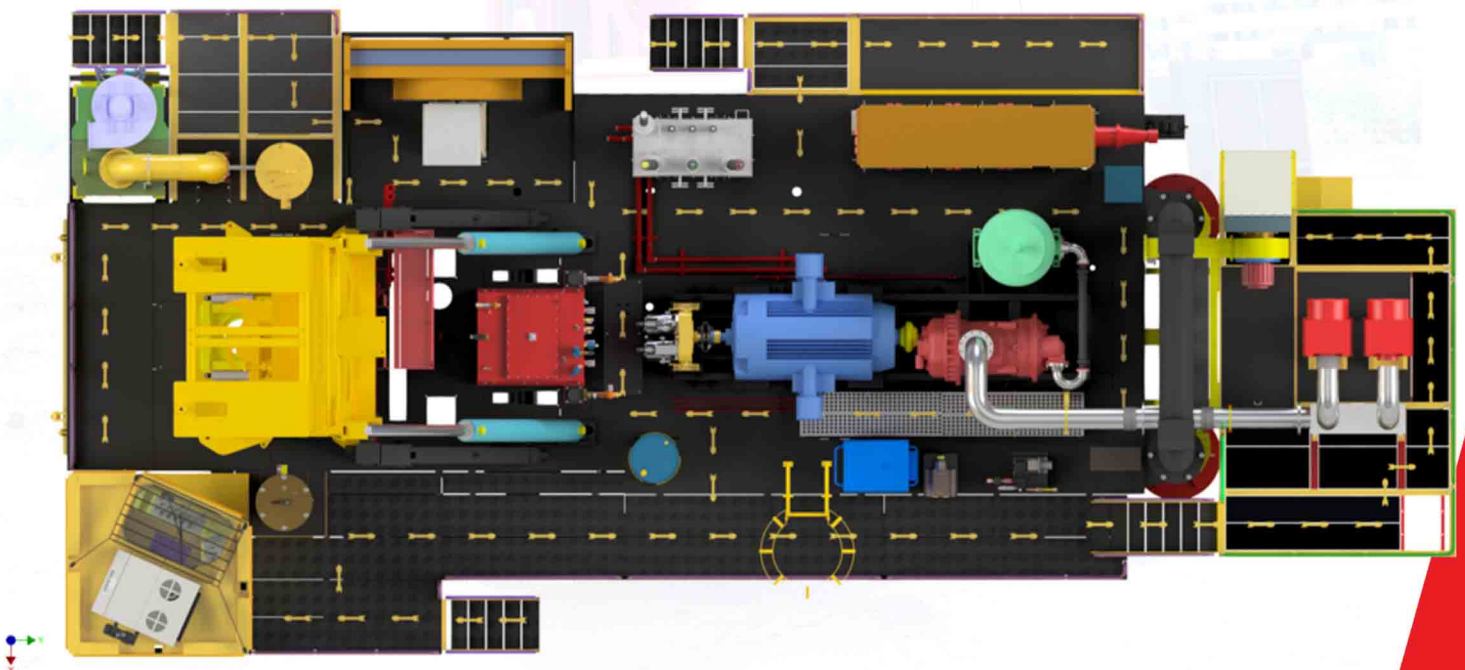
ROTARY SERIES



REL C850

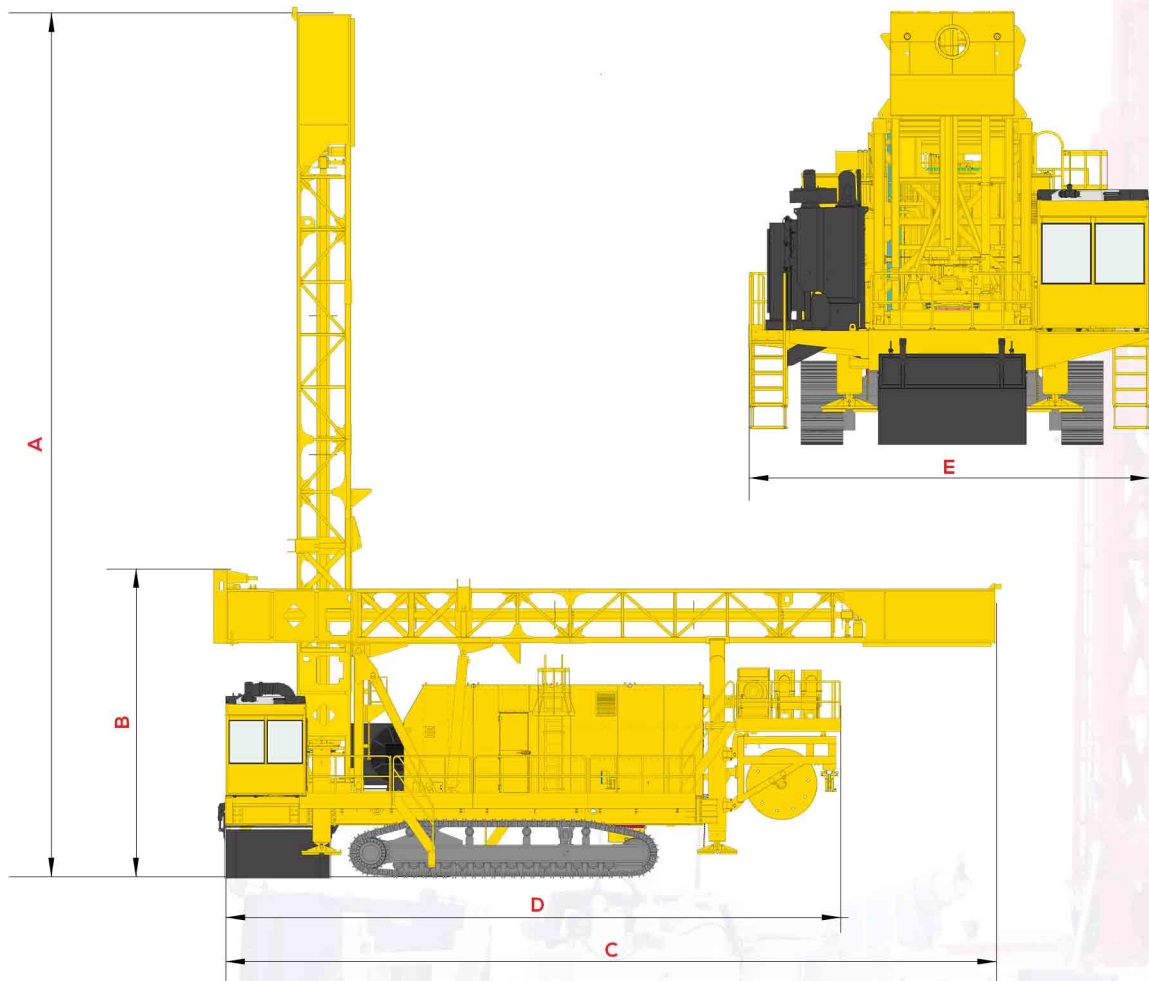
ROTARY SERIES

- ✓ The REL C850 Super Maxx Drills are designed through Voice Of Customer-driven goals to perform in extremely difficult rock conditions that provide up to 70,000 to 120,000 lbs of bit load for 279 to 349 mm diameter hole applications.
- ✓ Designed to withstand the elements and rigors of any mining application, built for maximum strength REL C850 mainframe, crawler frame, and mast structure stand up to hard rock mine conditions. Rugged crawlers and powerful hydraulic propel drives deliver manoeuvrability, gradeability and fast set up.
- ✓ Provided with a reliable drilling platform that has the power and air capacity to maximize productivity at altitudes up to 4573 m (15,000 ft).
- ✓ REL C850 Drills operate reliably in some of the coldest environments on the planet. The drills are equipped with the necessary heaters and insulation to protect the operator and drill from temperatures that reach -40°C .
- ✓ Structurally sound heavy-duty mainframe is designed for maximum reliability in rugged terrain and mining environment, better layout of the deck, ease of maintenance and enhanced safety. Rail and cross beam on the mainframe are designed and weld fabricated using ASTM A578 grade material.



PARAMETERS	UNIT	ROTARY	
		C850D	C850E
Recommended Hole Diameter	inch	11 to 13.75	11 to 13.75
	mm	279 to 349	279 to 349
Drill rod / tube diameter	inch	7.625 to 10.25	7.625 to 10.25
	mm	193 to 260	193 to 260
Single pass (Standard)	feet (m)	50 (15.2)	50 (15.2)
Single pass (Optional)	feet (m)	59 (18)	59 (18)
Multi pass capacity	feet (m)	200 (61)	200 (61)
Drill pipe length	feet (m)	50 (15.2) / 70 (21.3)	50 (15.2) / 70 (21.3)
Storage capacity		4 Pod	4 Pod
Rotation Torque	in.lbs	165600 / 99600	165600 / 99600
	Nm	18700 / 11250	18700 / 11250
Rotation Speed	rpm	0 to 190	0 to 190
Feed force	lbf	105000	105000
	kN	467	467
Hoist force	lbf	105000	105000
	kN	467	467
Normal Feed rate	ft/min	20	20
	m/min	6	6
Normal Hoist Rate	ft/min	20	20
	m/min	6	6
Fast Feed rate	ft/min	160	160
	m/min	48.7	48.7
Fast Hoist Rate	ft/min	160	160
	m/min	48.7	48.7
Engine type	Model	CAT C32 (Tier 2)	Siemens / Crompton Greaves
Engine output power	HP	1125 HP @ 1800 rpm	1000 HP
	KW	840 kW @ 1800 rpm	746 kW
Compressor capacity	cfm x psi	2600 x 100	2470 x 100
	m³/min x bar	73.7 x 6.9	70 x 6.9
Operator cabin	FOPS Certified,AC & Heater		
Tramming speed	mph	0.6 / 1.4	0.6 / 1.3
	kmph	1.0 / 2.3	1.0 / 2.2

PARAMETERS		C850
Standard Mast		15.2m
A	Height - Mast Up Inch (Meter)	1007" (25.5m)
B	Height - Mast Down Inch (Meter)	362" (9.2m)
C	Length - Mast Down Inch (Meter)	920" (23.3m)
D	Length - Mast Up Inch (Meter)	645" (16.4m)
Maxx Drill Mast		18m
A	Height - Mast Up Inch (Meter)	1164" (29.6m)
B	Height - Mast Down Inch (Meter)	372" (9.5m)
C	Length - Mast Down Inch (Meter)	1080" (27.4m)
D	Length - Mast Up Inch (Meter)	660" (16.7m)
Width		
E	Width - Drilling End Inch (Meter)	303" (7.7m)
Weight		286000 - 322000 lbs (130 - 146Tonnes)





Always Dependable.

REL drill rigs have earned a reputation for dependability and productivity, Operator safety and Ergonomics. We believe in working closely with our clients to achieve optimum safe and cost-effective performance in drilling. Whatever your requirement may be standard or custom, simple and rugged, or advanced and automated you can depend on REL.



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