

42
YEARS

REL

REVATHI EQUIPMENT LIMITED

C2532
C850
SUPER Maxx
DRILLS



REL C2532 / C850 SUPER Maxx DRILLS

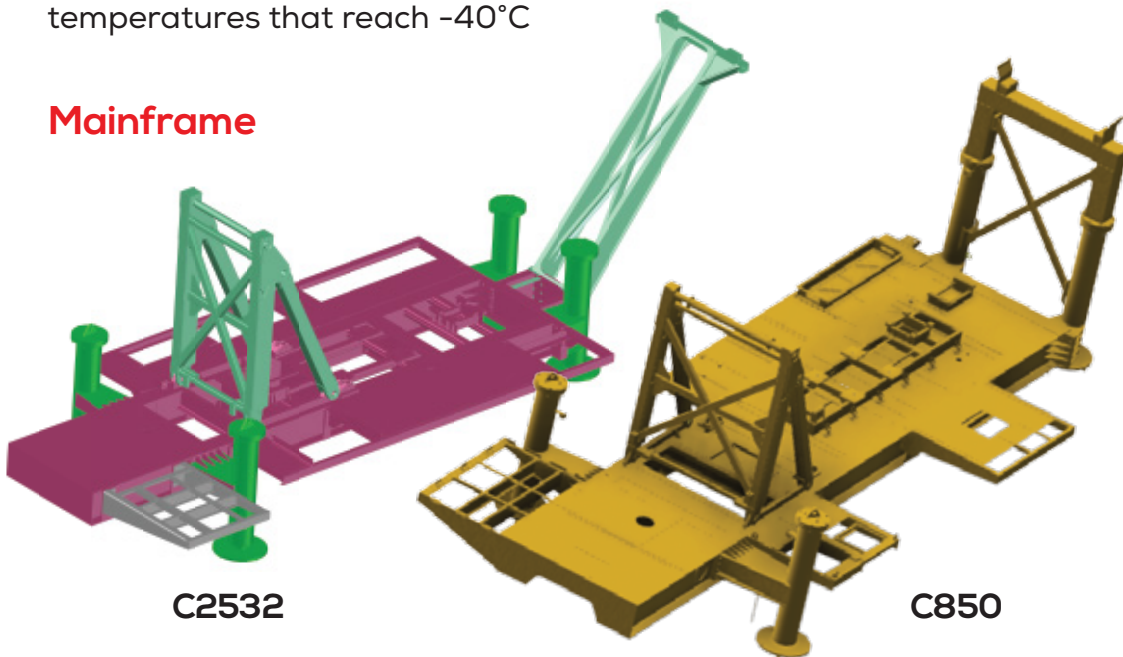
The REL C2532 & C850 Super Maxx Drills are designed through Voice Of Customer-driven goals to perform in extremely difficult rock conditions that provide up to 70,000 to 99,000 lbs of bit load for 250 to 349 mm diameter hole applications.

Designed to withstand the elements and rigors of any mining application, built for maximum strength REL C2532 & 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 4572 m (15,000 ft).

REL C2532 & 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

Mainframe



C2532

C850

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



C850



C2532

Operators Cabin

Ergonomically designed, FOPS certified operator's cab provides excellent visibility and operators comfort.

Provided with a clear, unobstructed view of the drilling area and areas surrounding the drill. Cameras ensure that the operator can maintain complete situational awareness during drilling and propelling.

The operator's chair can swivel to face the direction of travel during propelling for safer repositioning.

Rugged Masts

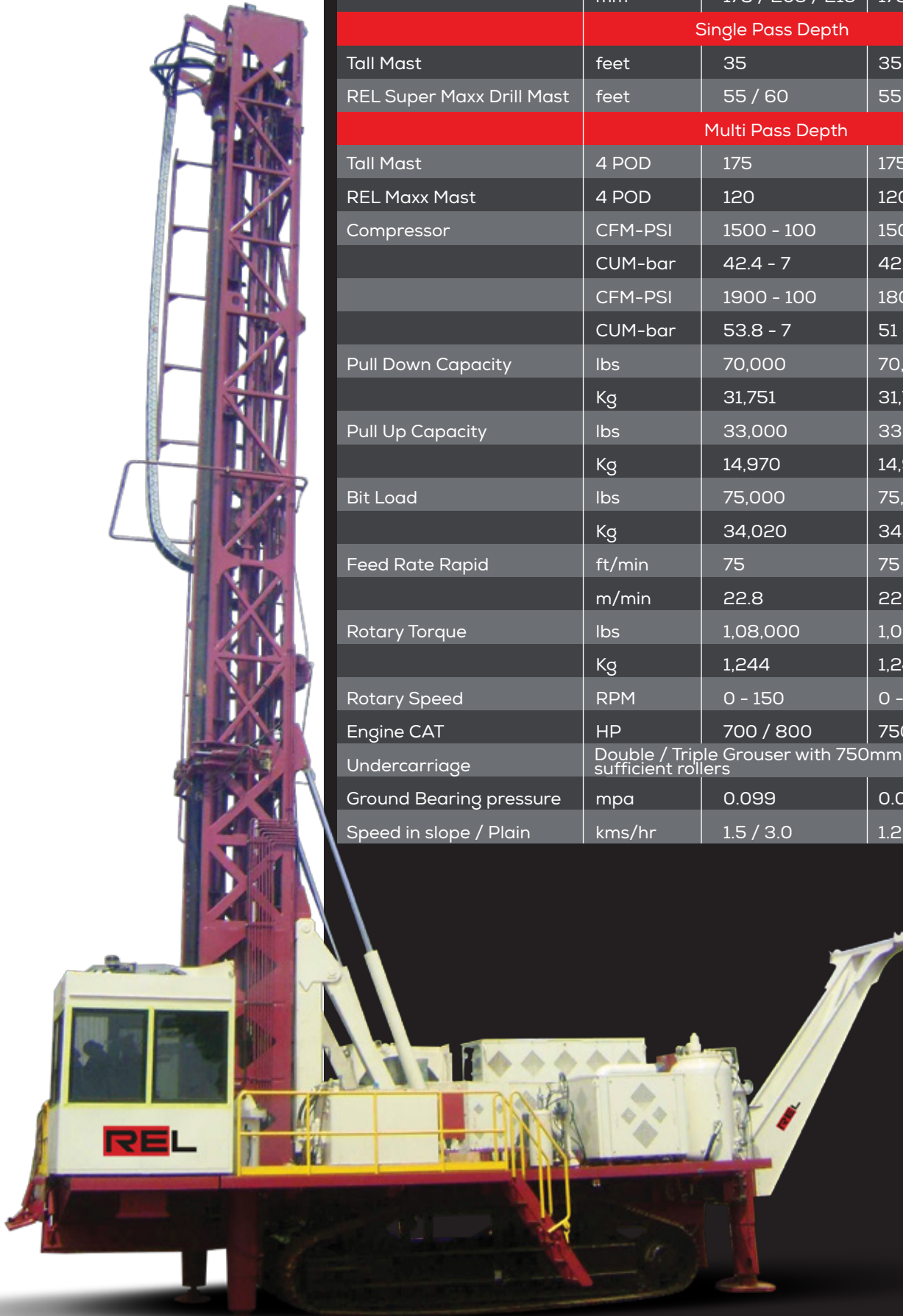
REL C2532 & C850 Super Maxx Masts designed using Finite Element Analysis to achieve high cycle fatigue resistance and less downtime and costs repairing cracks.

Constructed of seamless rectangular tubes braced by quad plate strength alloy steel, the mast provides maximum rotary carriage and drill string support.



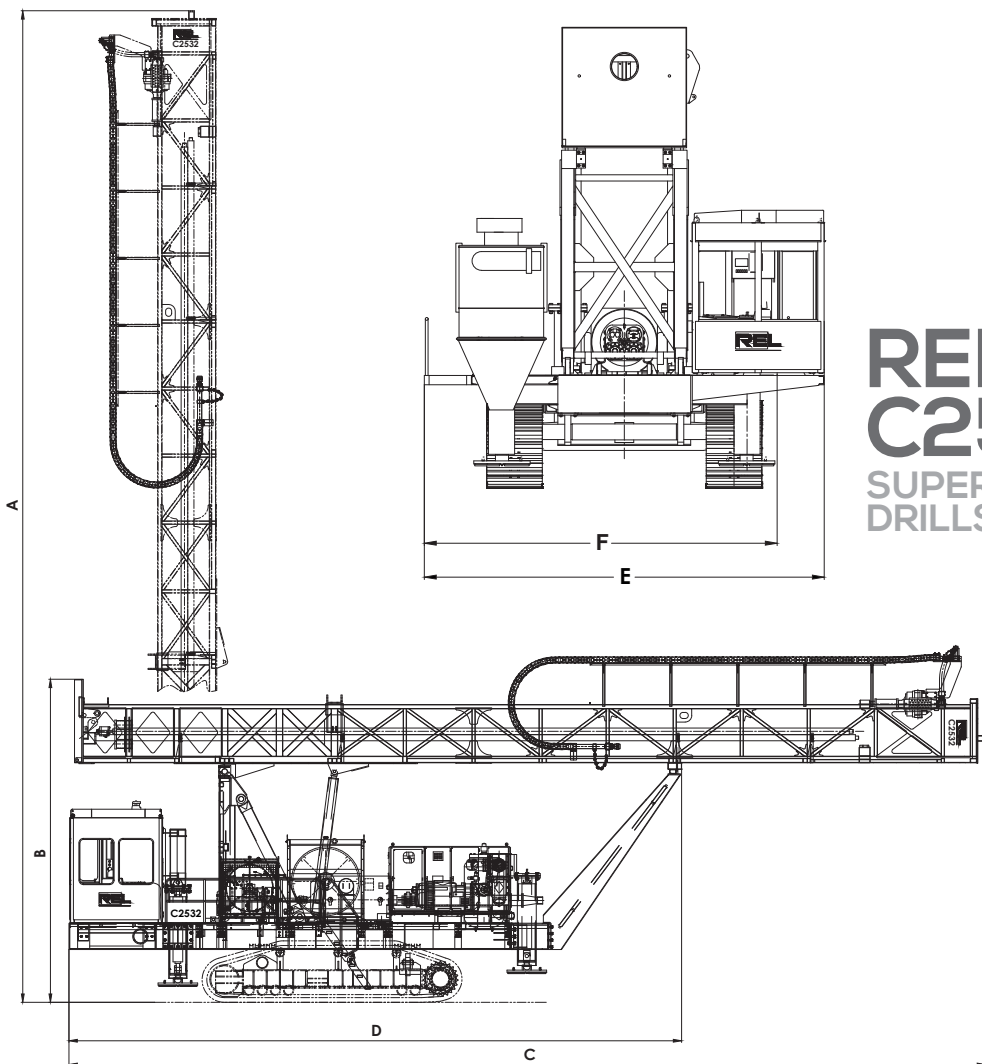
REL C2532

**SUPER Maxx
DRILLS**



SPECIFICATION	UNIT	C2532D	C2532E
Drilling Method		ROTARY	
Drilling Diameter	Inch	9 to 11	9 to 11
	mm	228 to 279	228 to 279
Pipe Size	Inch	7 / 8 / 8-5/8	7 / 8 / 8-5/8
	mm	178 / 203 / 219	178 / 203 / 219
		Single Pass Depth	
Tall Mast	feet	35	35
REL Super Maxx Drill Mast	feet	55 / 60	55 / 60
		Multi Pass Depth	
Tall Mast	4 POD	175	175
REL Maxx Mast	4 POD	120	120
Compressor	CFM-PSI	1500 - 100	1500 - 100
	CUM-bar	42.4 - 7	42.4 - 7
	CFM-PSI	1900 - 100	1800 - 100
	CUM-bar	53.8 - 7	51 - 7
Pull Down Capacity	lbs	70,000	70,000
	Kg	31,751	31,751
Pull Up Capacity	lbs	33,000	33,000
	Kg	14,970	14,970
Bit Load	lbs	75,000	75,000
	Kg	34,020	34,020
Feed Rate Rapid	ft/min	75	75
	m/min	22.8	22.8
Rotary Torque	lbs	1,08,000	1,08,000
	Kg	1,244	1,244
Rotary Speed	RPM	0 - 150	0 - 150
Engine CAT	HP	700 / 800	750 (Electric motor)
Undercarriage	Double / Triple Grouser with 750mm width & sufficient rollers		
Ground Bearing pressure	mpa	0.099	0.099 (Tall & Maxx)
Speed in slope / Plain	kms/hr	1.5 / 3.0	1.2 / 2.4

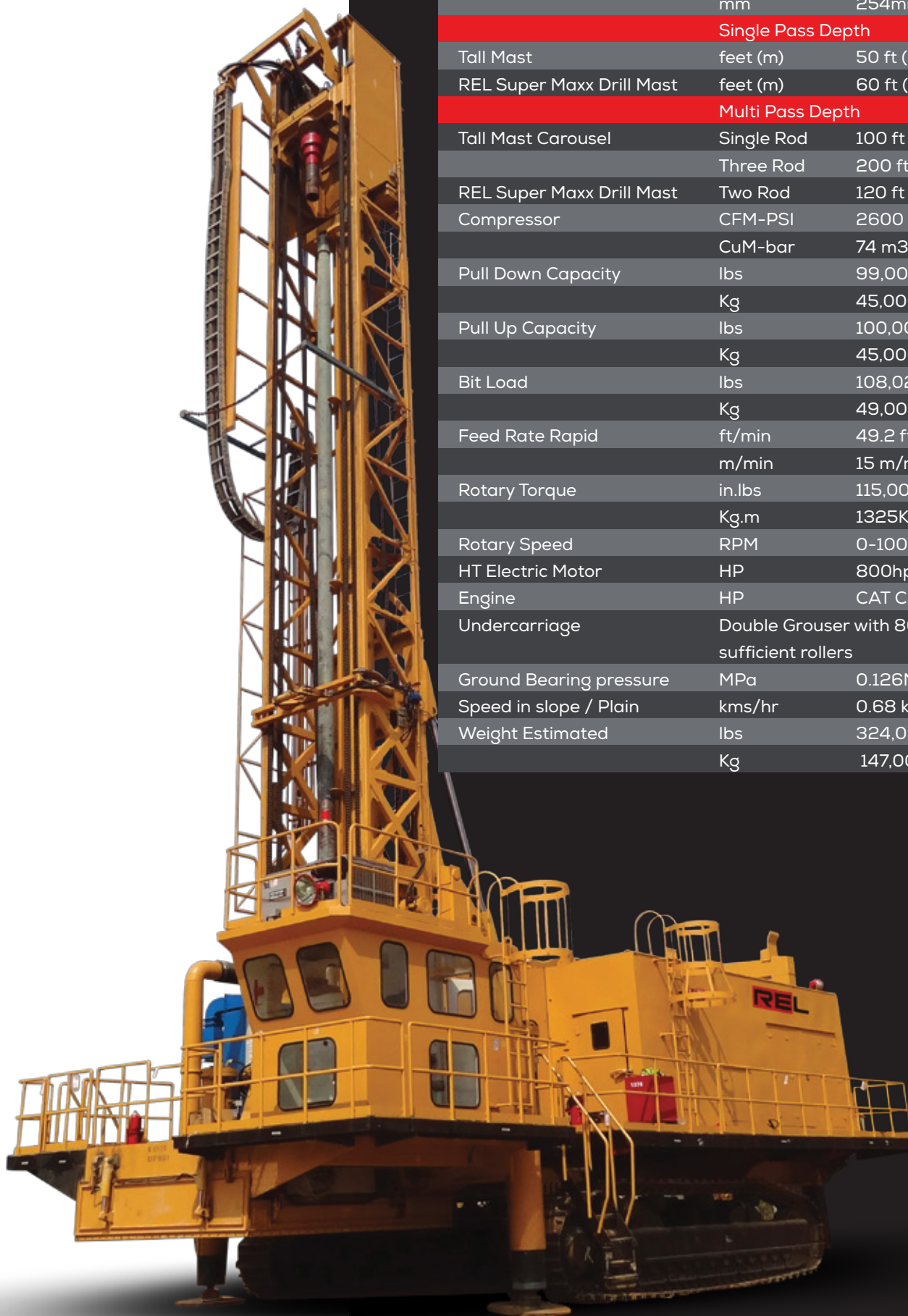
DESCRIPTION		C2532D	C2532E
REL SuperMaxx Drill Mast - 60 feet			
A	Height - Mast Up Inch(Meter)	977 (25)	977 (25)
B	Height - Mast Down Inch(Meter)*	325 (8.2)	325 (8.2)
	Height - Without Mast Inch(Meter)	216 (5.5)	216 (5.5)
C	Length - Mast Down Inch(Meter)	907 (23)	907 (23)
D	Length - Mast Up Inch(Meter)	437 (21)	557 (14.2)
TALL MAST - 55feet			
A	Height - Mast Up Inch(Meter)	905 (23)	905 (23)
B	Height - Mast Down Inch(Meter)	325 (8.2)	325 (8.2)
	Height - Without Mast Inch(Meter)	216 (5.5)	216 (5.5)
C	Length - Mast Down Inch(Meter)	835 921.2)	835 921.2)
D	Length - Mast Up Inch(Meter)	437 (21)	557 (14.2)
E	Width - Drilling End Inch (Meter)	255 (6.5)	255 (6.5)



REL
C2532
 SUPER Maxx
 DRILLS

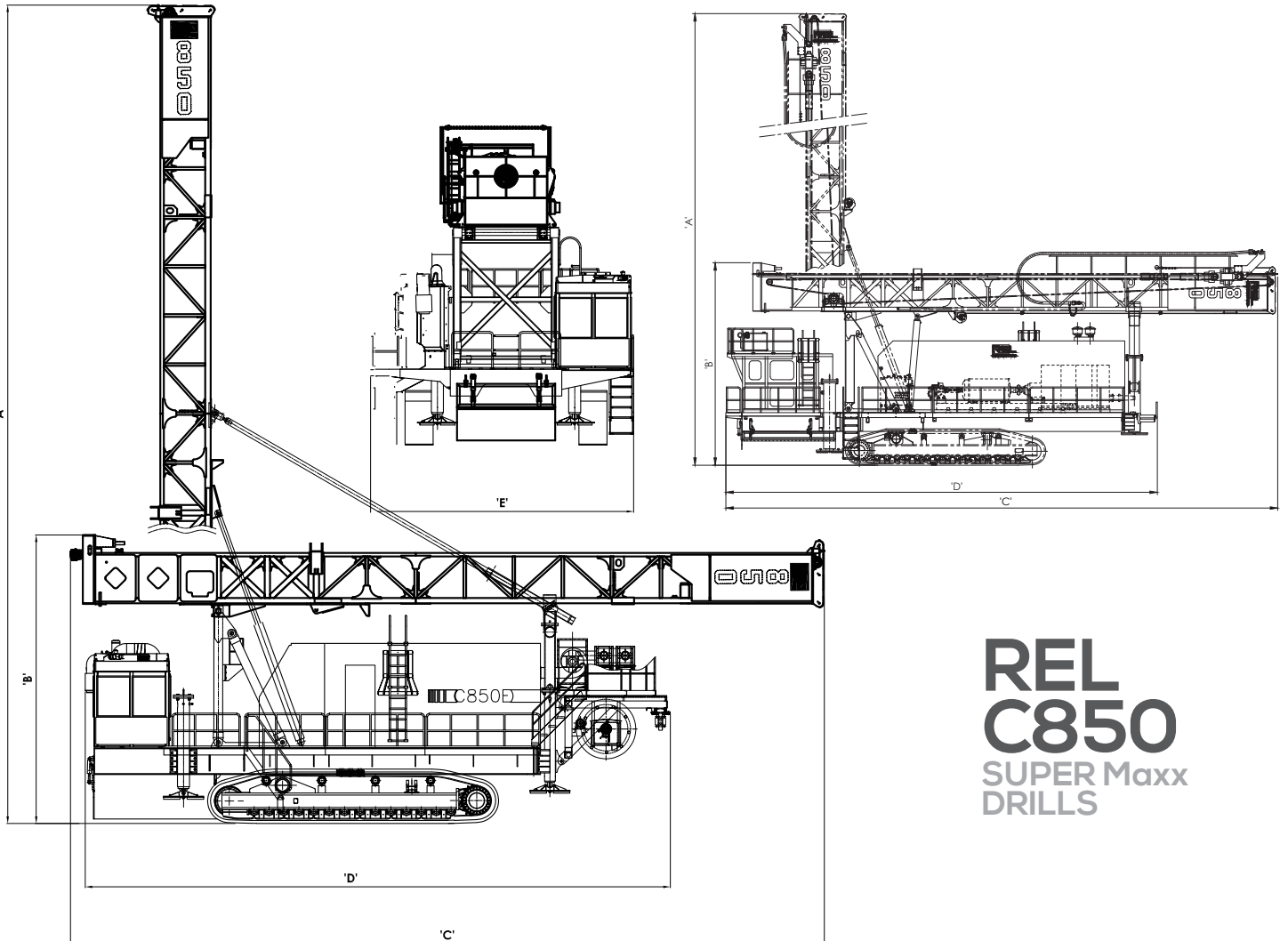
REL C850

**SUPER Maxx
DRILLS**



SPECIFICATION	UNIT	C850
Drilling Method	Rotary	
Drilling Diameter	Inch	12-1/4 to 13-3/4
	mm	311 to 349 mm
Pipe Size	Inch	10 to 10-3/4
	mm	254mm to 273 mm
Single Pass Depth		
Tall Mast	feet (m)	50 ft (15.25 mtrs)
REL Super Maxx Drill Mast	feet (m)	60 ft (18.3 mtrs)
Multi Pass Depth		
Tall Mast Carousel	Single Rod	100 ft (30.50 mtrs)
	Three Rod	200 ft (60 mtrs)
REL Super Maxx Drill Mast	Two Rod	120 ft (36.6 mtrs)
Compressor	CFM-PSI	2600 cfm - 100 psi
	CuM-bar	74 m3/min -7 bar
Pull Down Capacity	lbs	99,000 lbs
	Kg	45,000 kg
Pull Up Capacity	lbs	100,000 lbs
	Kg	45,000 kg
Bit Load	lbs	108,027 lbs
	Kg	49,000 kg
Feed Rate Rapid	ft/min	49.2 ft/min
	m/min	15 m/min
Rotary Torque	in.lbs	115,000 lb. inches
	Kg.m	1325Kg.m
Rotary Speed	RPM	0-100 rpm
HT Electric Motor	HP	800hp
Engine	HP	CAT C29 900 Hp
Undercarriage	Double Grouser with 800mm width & sufficient rollers	
Ground Bearing pressure	MPa	0.126Mpa
Speed in slope / Plain	kms/hr	0.68 km/hr / 1.37 km/hr
Weight Estimated	lbs	324,080 lbs / 335,103 lbs
	Kg	147,000 kg / 152,000 kg

DESCRIPTION		C850D	C850E
REL SuperMaxx Drill Mast - 60 feet			
A	Height - Mast Up Inch(Meter)	990 (25)	990 (25)
B	Height - Mast Down Inch(Meter)*	323.5 (8.21)	323.5 (8.21)
	Height - Without Mast Inch(Meter)	-	-
C	Length - Mast Down Inch(Meter)	845.6 (21.5)	845.6 (21.5)
D	Length - Mast Up Inch(Meter)	556 (14.2)	652.5 (16.6)
TALL MAST - 50feet			
A	Height - Mast Up Inch(Meter)	978 (24)	978 (24)
B	Height - Mast Down Inch(Meter)	323.5 (8.21)	323.5 (8.21)
	Height - Without Mast Inch(Meter)	-	-
C	Length - Mast Down Inch(Meter)	773.6 (19.7)	773.6 (19.7)
D	Length - Mast Up Inch(Meter)	556 (14.2)	652.5 (16.6)
E	Width - Drilling End Inch (Meter)	295.2 (7.5)	295.2 (7.5)



REL
C850
 SUPER Maxx
 DRILLS

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.

Revathi Equipment Limited

Pollachi Road, Coimbatore - 641 050. India.

Ph : 0422 66551 00

Fax : 0422 6655199

Mail: globalsupport@revathi.in

www.revathi.in

www.revathiequipment.com