



1922 - First Diesel Engine
Made In India by Cooper



Now - World Class Engines
made in India & designed
by Ricardo, UK.

Engine

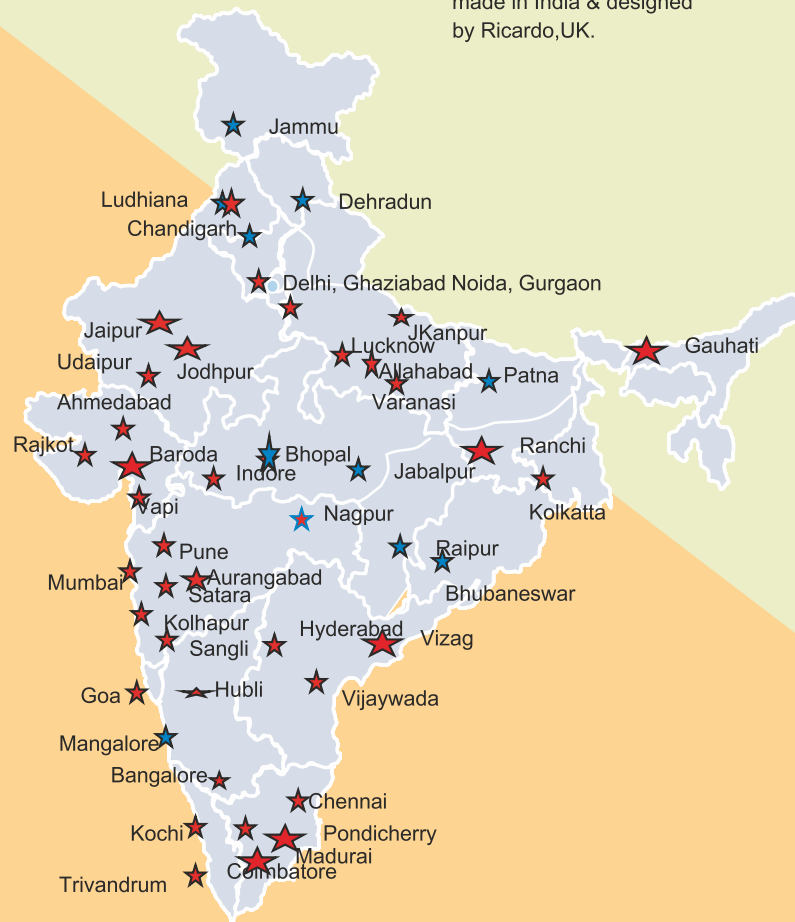
- Powered by Cooper 2, 3, 4, & 6 Cylinder engines.
- Engine designed by Ricardo, UK.
- In line, 4 stroke, liquid cooled.
- 4 valves per cylinder
- Naturally aspirated & Turbo charged version.
- Safety arrangement for water temp/oil pressure/over speed.
- Lowest fuel and lube oil consumption in its class.
- Engine Option - 2 Cylinder CRDI available.

Acoustic Canopy

- AMF/ATS/Synchronisation Panel options available.
- Suitable for outdoor installation.
- Easy access and serviceability, integral fuel tank & silencer



Cooper Engine Plant



Cooper Corporation Sales & Service
network 100+ Sales & Service contact points

OUR PRESTIGIOUS CLIENTS



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WORLD CLASS GENERATORS

Cooper Gensets From 10kVA To 250kVA



Lowest fuel and lube oil consumption in its class

To Buy a Cooper DG
SMS "Cooper" to 58888

Genset Technical Specification

Genset Rating (kVA)	10	15	20	25	30	40		50	62.5	82.5	100	125	140	160	180	200	250
Power Rating (kW)	8	12	16	20	24	32		40	50	66	80	100	112	128	144	160	200
Current (Amps)	43.5/13.9	65.2/20.9	87/27.8	108.7/34.8	130.4/41.7	55.6		69.6	87	114.8	139.1	173.9	194.8	222.6	250.4	278.2	347.5
Phase	1/3			1/3		3			3		3				3		
Power Factor	0.8			0.8				0.8			0.8	0.8					
Canopy Dimension (LxWxH)	1777X826X1398			1950X950X1683				3050X1100X1604			3500X1100X1700		4302x1400x1913			4300x1400x2450	

Cooper Engine Specifications

Engine Model	2A1D1C10.3CW	2A2D1C16.2IW	2A2D1C18.8IW	2A5D1A31.4CW	2A5D1A31.4CW	2A5D1A34.5CW		3B5D1C62IW	3B5D1C62IW	3B5D1C85RW	4B5D1C100RW	4B5D1C113RW	6B5D1C150RW	6B5D1C170RW	6B5D1C170RW	6B5D1C190RW	6G5D1C228IW
Rated Power in kW (hp)	10.3(14)	16(22)	18.8(25.6)	31.4(42.7)	31.4(42.7)	34.5(46.2)		62(85)	62(85)	85(115.6)	100(136)	113(154)	150(204)	170(231)	170(231)	190(258)	228(310)
Aspiration	NA	TCIC		TCIC				TCIC			TCIC		TCIC				
Cooling Systems	Liquid Cooled			Liquid Cooled				Liquid Cooled			Liquid Cooled		Liquid Cooled				
Starting Systems	12 Volt Electrical			12 Volt Electrical				12 Volt Electrical			12 Volt Electrical		24 Volt Electrical				
Governing	Electronic(CRDI)/Mechanical			Electronic(CRDI)/Mechanical				Mechanical			Mechanical		Mechanical				Electronic
No of Cylinders	2			2				3			4		6				6
Bore X Stroke (mm)	87X100			87X100				107X126			107X126		107X126				107X145
Displacement (Liters)	1.189			1.189				3.4			4.5		6.8				7.8
Fuel Cons. @ 75% load *	2.21	2.90	3.80	5.3	6.05	8.2		10.2	10.5	13.75	16.9	20.8	22.85	26.6	28.8	32	40.9
Engine Speed (rpm)	1500			3000				1500			1500		1500				1500
Compression Ratio	19:01	17:5:1		17:5:1				17:5:1			17:5:1		17:5:1				16:5:1
Fuel Tank Capacity (Liters)	75			75				200			300		300				375
Lube Oil Specifications	15W40CI4+			15W40CI4+				15W40CI4+			15W40CI4+		15W40CI4+				15W40CI4+
Lube Oil Capacity (Liters)	4.5			4.5				6			8		11				13
Total Coolant Capacity (Litrs)	5.5			5.5				14		16	17		22				28
Genset Dry Weight (kgs)	670	710	710	750	770	800		1700	1750	1800	2150	2200	2670	2670	2670	2700	2830

Alternator Specifications

Type	Brushless			Brushless				Brushless			Brushless		Brushless				
Voltage	230/415			230/415		415		415			415		415				
Speed / Frequency	1500RPM/50HZ			3000RPM/50HZ				1500RPM/50HZ			1500RPM/50HZ		1500RPM/50HZ				
Voltage Regulation	+/-1%			+/-1%				+/-1%			+/-1%		+/-1%				
Enclosure	IP23			IP23				IP23			IP23		IP23				
Class of Insulation	Class H			Class H				Class H			Class H		Class H				



Save Fuel - Control Pollution - Save Nation

Note: Due to continuous improvement the specifications given above are subject to change without prior intimation.
*Based on ISO3046 reference conditions with diesel fuel specific gravity of 0.85 and with a tolerance of +/- 5%