



1922 - First Diesel Engine  
Made In India by Cooper



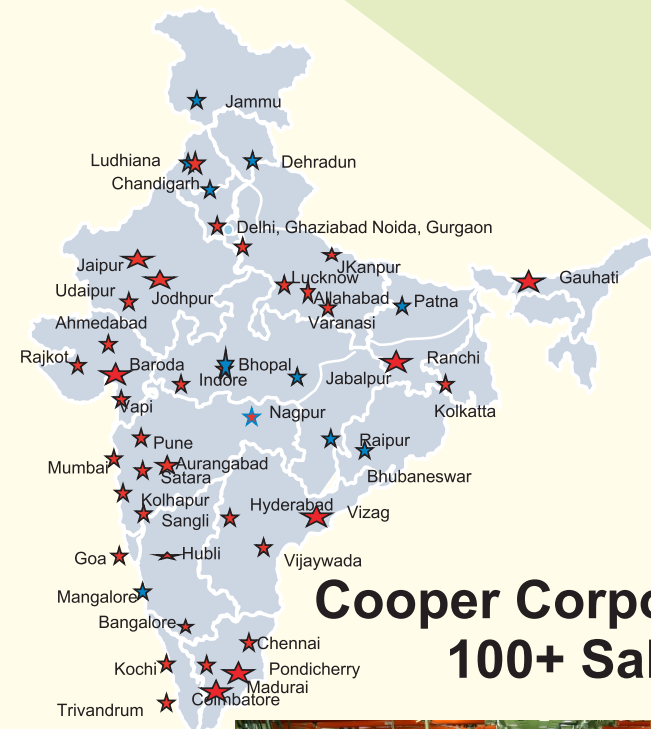
Now - World class 2 Cylinder  
CRDI liquid cooled engine  
Made in India by Cooper.  
Designed by Ricardo, UK.

### Engine

- Powered by Cooper 2, 3, 4, & 6 Cylinder engines.
- Engine designed by Ricardo, UK.
- Electronic Engine management system.
- Common Rail Direct Injection (CRDI) For 2 Cylinder version.
- In line, 4 stroke, liquid cooled.
- 4 valves per cylinder.
- Naturally aspirated & Turbo charged versions.
- Safety arrangement for water temp / oil pressure / over speed
- Lowest fuel and lube oil consumption in its class.
- Compliance with emission regulations (EURO IV, US EPA Tier IV interim compliant).

### Acoustic Canopy

- Suitable for outdoor installation.
- Easy access and serviceability, integral fuel tank & silencer.



**Cooper Corporation Sales & Service Network :  
100+ Sales & Service contact points**



**Cooper Engine Plant**



**Cooper Corporation Pvt. Ltd.**  
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**FUEL SAVINGS 30%\***  
SUBJECT TO CONDITIONS

Authorised Dealer

[www.coopercorp.in](http://www.coopercorp.in)  
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# WORLD CLASS GENERATORS

Cooper Gensets From 10kva To 250kva



## COOPER GENERATOR SPECIFICATIONS

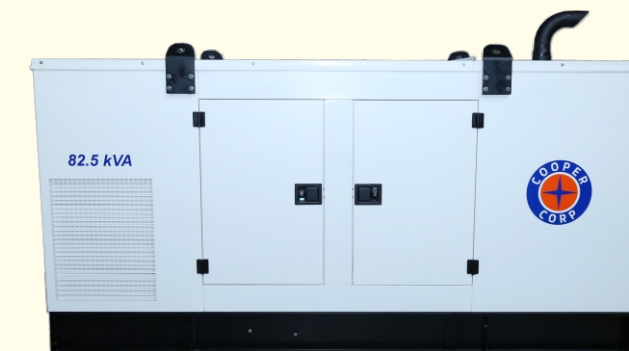
Genset Model	CDB100101D22 CDB100103D22	CDB100151D22 CDB100153D22	CDB100201D22 CDB100203D22	CDA100251D21 CDA100253D21	CDA100301D21 CDA100303D21	CDA100403D21	CDA100503D21
Power Rating (kVA)	10	15	20	25	30	40	50
Power Rating (kW)	8	12	16	20	24	32	40
Current (Amperes)	43.5/13.9	65.2/20.9	87/27.8	108.7/34.8	130.4/41.7	55.6	69.6
No. of Phases	1/3			3		3	3
Power Factor	0.8			0.8		0.8	
Canopy Dimensions (L X W X H) in mm	1900 X 825 X 1048			1950 X 950 X 1657		3226 X 1126 X 1606	
Engine Model	2A1D1C10.3CW	2A2D1C16.1CW	2A2D1C18.8CW	2A5D1A31.4CW	2A5D1A31.4CW	2A5D1A34.5CW	3B5D1C75RW
Rated Power kW (HP)	10.3(14)	16.1 (22)	18.8 (25.6)	31.4 (42.7)	31.4 (42.7)	34.5 (47)	75 (102)
Aspiration	NA	TCIC		TCIC		TCIC	
Cooling system	Liquid Cooled			Liquid Cooled		Liquid Cooled	
Starting System	12 Volt Electrical			12 Volt Electrical		12 V Electrical	
Governor	Electronic (CRDI)			Electronic (CRDI)		Mechanical	
No. of Cylinder	2			2		3	
Bore X Stroke (mm)	87 X100			87 X100		107 X 126	
Displacement (Litres)	1.189			1.189		3.4	
Engine Speed (rpm)	1500			3000		1500	
Compression ratio	19:1	17.5:1		17.5:1		17.5:1	
Fuel Tank Capacity (Litres)	75			75		200	
Lube Oil Specifications	15 W 40 CH4			15 W 40 CH4		15W40 Ch4	
Lube Oil Capacity (Litres)	4.5			4.5		6	
Total Coolant capacity (Litres)	5.5			5.5		6.5	
Alternator Specifications							
Type	Brushless			Brushless		Brushless	
Voltage	230/415			230/415		415	
Speed /Frequency	1500 RPM /50 HZ			3000 RPM /50 HZ		1500 RPM /50 HZ	
Voltage Regulation	+/- 1%			+/- 1%		+/- 1%	
Class of insulation	Class H			Class H		Class H	
Enclosure	IP23			IP23		IP23	
Genset Dry Weight (Kg)	670	685	710	750	770	800	1700

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Genset Model	CDA162.53D21	CDA182.53D21	CDA101003D21	CDA101253D21	CDA101403D21	CDA101603D21	CDA101803D21	CDB102003D21	CDA102503D21
Power Rating (kVA)	62.5	82.5	100	125	140	160	180	200	250
Power Rating (kW)	50	66	80	100	112	128	144	160	200
Current (Amperes)	87.0	114.8	139.1	173.9	194.8	222.6	250.4	278.2	347.5
No. of Phases	3			3			3		
Power Factor	0.8			0.8			0.8		
Canopy Size Dimensions (L X W X H) in mm	3226 X 1126 X 1606		3626 X 1126 X 1720		4576 X 1426 X 1800			4500x1700x1900	
Engine Model	3B5D1C75RW	3B5D1C85RW	4B5D1C100RW	4B5D1C113RW	6B5D1C150RW	6B5D1C170RW	6B5D1C170RW	6B5D1C190RW	6G5D1C-228IW
Rated Power kW (HP)	75 (102)	85 (115.6)	100 (136)	113 (154)	150 (204)	170 (231)	170 (231)	190 (258)	228(305)
Aspiration	TCIC		TCIC		TCIC			TCIC	
Cooling system	Liquid Cooled		Liquid Cooled		Liquid Cooled			Liquid Cooled	
Starting System	12 V Electrical		24 V Electrical		24 V Electrical			24 V Electrical	
Governor	Mechanical		Mechanical		Mechanical			Mechanical	
No. of Cylinder	3		4		6			6	
Bore X Stroke (mm)	107 X 126		107 X 126		107 X 126			107x145	
Displacement (Litres)	3.4		4.5		6.8			7.8	
Engine Speed (rpm)	1500		1500		1500			1500	
Compression ratio	17.5:1		17.5:1		17.5:1			16.5:1	
Fuel Tank Capacity (Litres)	200	200	300	300	300	300	300	300	375
Lube Oil Specifications	15 W 40 CH4		15 W 40 CH4		15 W 40 CH4			15 W 40 CH4	
Lube Oil Capacity (Litres)	6		8		11			13	
Total Coolant capacity (Litres)	14	16	17		22			28	
Alternator Specifications									
Type	Brushless		Brushless		Brushless			Brushless	
Voltage	415		415		415			415	
Speed /Frequency	1500 RPM /50 HZ		1500 RPM /50 HZ		1500 RPM /50 HZ			1500 RPM /50 HZ	
Voltage Regulation	+/- 1%		+/- 1%		+/- 1%			+/- 1%	
Class of insulation	Class H		Class H		Class H			Class H	
Enclosure	IP23		IP23		IP23			IP23	
Genset Dry Weight (Kg)	1750	1800	2150	2200	2670	2670	2670	2700	2980



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**Note:- Due to continuous developments & improvements, the specifications and details are subject to change without prior notice.**