



1922 - First Diesel Engine Made In India by Cooper



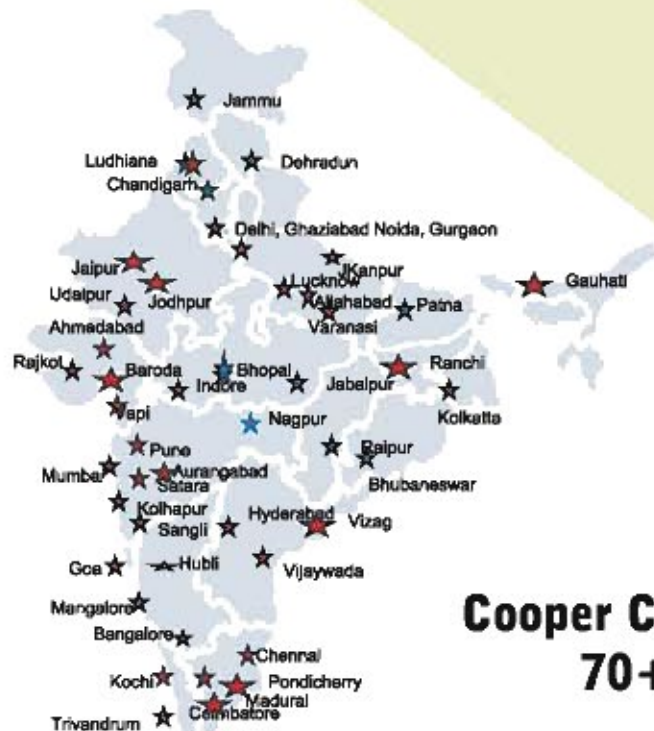
Now - World class 2 Cylinder CRDI liquid cooled engine made in India by Cooper. Designed by Ricardo, UK.

Engine

- Powered by Cooper 2, 3, 4, & 6 Cylinder engines.
- Engine designed by Ricardo, UK.
- Electric 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 forthcoming 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 : 70+ Sales & Service contact points



Cooper Engine Plant



FUEL SAVINGS 30%*
SUBJECT TO CONDITIONS

Authorised Dealer



COOPER CORPORATION PVT.LTD
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Maharashtra, India.
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www.coopercorp.in
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WORLD CLASS GENERATORS

Cooper Gensets From 10kva To180kva



GENSET 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			1/3		3	
Power Factor	0.8						
Canopy Size							
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	2ASD1A31.4CW	2ASD1A31.4CW	2ASD1A34.5CW	3BSD1C75RW
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	
Cooling system	Liquid Cooled						
Starting System	12 Volt Electrical					24 V Electrical	
Governor	Electronic (CRDI)					Mechanical	
No. of Cylinder	2					3	
Bore X Stroke (mm)	87 X100					107 X 126	
Displacement (Litres)	1.189					3.4	
Engine Speed (rpm)	1500			3000		1500	
Compression ratio	19:1			17.5:1		17.5:1	
Fuel Tank Capacity (Litres)	75					200	
Lube Oil Specifications	15W 40 CH4						
Lube Oil Capacity (Litres)	4.5					6	
Total Coolant capacity (Litres)	5.5			6.5		14	
Alternator Specifications							
Type	Brushless						
Voltage	230/415					415	
Speed /Frequency	1500 RPM /50 HZ			3000 RPM /50 HZ		1500 RPM /50 HZ	
Voltage Regulation	+/- 1%						
Enclosure	IP23						
Class of Insulation	Class H						
GenSet Dry Weight (Kg)	670	685	710	750	770	800	1700



GENSET SPECIFICATIONS

GenSet Model	CDA162.53D21	CDA182.53D21	CDA101003D21	CDA101253D21	CDA101403D21	CDA101603D21	CDA101803D21
Power Rating (kVA)	62.5	82.5	100	125	140	160	180
Power Rating (kW)	50	66	80	100	112	128	144
Current (Amperes)	87.0	114.8	139.1	173.9	194.8	222.6	250.4
No. of Phases	3						
Power Factor	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		
Engine Model	3BSD1C75RW	3BSD1C85RW	4BSD1C100RW	4BSD1C113RW	6BSD1C150RW	6BSD1C170RW	6BSD1C170RW
Rated Power kW (HP)	75 (102)	85 (115.6)	100 (136)	113 (154)	150 (204)	170 (231)	170 (231)
Aspiration	TCIC						
Cooling system	Liquid Cooled						
Starting System	24 V Electrical						
Governor	Mechanical						
No. of Cylinder	3		4		6		
Bore X Stroke (mm)	107 X 126		107 X 126		107 X 126		
Displacement (Litres)	3.4		4.5		6.8		
Engine Speed (rpm)	1500						
Compression ratio	17.5:1						
Fuel Tank Capacity (Litres)	200	200	300	300	300	300	300
Lube Oil Specifications	15W40 Ch4						
Lube Oil Capacity (Litres)	6		8		11		
Total Coolant capacity (Litres)	14	16	17		22		
Alternator Specifications							
Type	Brushless						
Voltage	415						
Speed /Frequency	1500 RPM /50 HZ						
Voltage Regulation	+/- 1%						
Enclosure	IP23						
Class of Insulation	Class H						
GenSet Dry Weight (Kg)	1750	1800	2150	2200	2910	2950	3000



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