



COOPER FOREVER

**COOPER
GENSETS**
सबसे ऊपर COOPER

UNINTERRUPTED POWER ON TAP



Presenting a high performance range of Diesel Gensets.

5 to 250 kVA GENSETS
Lowest fuel & lube oil consumption in its class

Lowest
t c
Total Cost of Ownership



RUGGED
DESIGN



FUEL
EFFICIENT



COMPACT



SUPER
SILENT



CPCB IV+
COMPLIANT



HIGH-BLOCK
LOADING



EXPORTED
GLOBALLY



**We have 100+
Sales & Service
contact points**



Engine

- Powered by Cooper 1, 2, 3, 4 & 6 cylinder engines
- Air Cooled and Water Cooled
- 4 valves per cylinder
- Naturally aspirated & turbo-charged version
- Safety arrangement for water temp/oil pressure/ over speed
- Bed Plate architecture
- Hydraulic Lash Adjustors (No tappet setting required)
- Auto-Belt tensioner



Since 1922
Diesel Engines
Made in India by Cooper.



World-class Engines
Made in India
Designed by Ricardo, UK.

Acoustic Canopy

- AMF/ATS/Synchronisation Panel options available
- Suitable for outdoor installation
- Easy access and serviceability
- Remote Monitoring System option available



Auth. O.E.A. Sales & Service Distributor :
C&B ECOGEN PVT LTD.
CIN No. : U29253WB2011PTC171101
ISO 9001 : 2008 & ISO 14001 : 2004 CERTIFIED COMPANIES
Mktg. & Admin. Office : Srishti Apartment, Ground Floor,
120/1 Kendua Main Road, Garia Patuli, Kolkata - 700 084.
Email : info@cbecogen.com, bamdev@cbecogen.com
Website : www.cbecogen.com

Cooper Corporation Pvt.Ltd.

Nariman House
M60-1, ADDL. MIDC, Post Kodoli, Satara - 415004 Maharashtra, India.
Tel.: +91 2162 240413, 240272 Fax: +91 2162 240271, 240023

Central Marketing Office
Office No. 301/A, 3rd Floor, City Bay, Boat Club Road, Pune - 411001,
Maharashtra, India. Tel/Fax: +91 020 26160624

Toll Free Number : 1800 12000 4001 +91 90280 76104
Web : www.coopercorp.in Mail : sales@coopercorp.in

All names, logos & brands featured are property of their respective owners. Use of these names, logos & brands does not imply endorsement.

Map of India used for representational purpose only.

Genset Technical Specifications

Genset Rating (kVA)	5	10	15	15	20	25	30	35	40	50	58.5	60	75	82.5	100	125	140	160	180	200	250
Genset Model	CDC1000S1D43	CDY100101D44 /CDY100103D44	CDY100151D44 /CDY100153D44	CDP100151D41 /CDP100153D41	CDP100201D41 /CDP100203D41	CDR100251D41 /CDR100253D41	CDR100301D41 /CDR100303D41	CDR100353D41	CDR100403D41	CDP100503D41	CDP1058.53D41	CDP100603D41	CDZ100753D42	CDZ182.53D42	CDT101003D41/ CDQ101003D41	CDT101253D41/ CDQ101253D41	CDP101403D41/ CCG01400IN	CDP101603D41/ CCG01600IN	CDP101803D41/ CCG01800IN	CDP102003D41/ CCG02000IN	CDU102503D41/ CDV102503D41
Power Rating (kW)	4	8	12	12	16	20.0	24.0	28.0	32.0	40.0	46.8	48.0	60.0	66.0	79.9	100.1	111.6	127.7	143.8	159.9	199.5
Current (Amps)	21.74	43.48/13.9	65.3/20.9	65.3/20.9	86.9/27.8	108.7/34.8	130.4/41.7	48.7	55.6	69.6	81.4	83.5	104.3	114.8	139	174	194	222	250	278	347
Phase	1 Phase	1 Phase/3 Phase	1 Phase/3 Phase	1 Phase/3 Phase	1 Phase/3 Phase	1 Phase/3 Phase	1 Phase/3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase
Power Factor	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Canopy Dimensions (mm) (LxWxH)	1162 X 560 X 774	1400 X 830 X 1102	1650 X 895 X 1305	1777 X 825 X 1050			1950 X 950 X 1300			2700x1100x1555			3225X1100X1594		3374X1100X1568 3374X1100X1645		4051X1400X1745		4051X1400X1745		4550X1600X1749
Canopy Dimensions (mm) (LxWxH) with Silencer	1162 X 560 X 819 (Including wheel height)	1562 X 830 X 1102 (Including duct)	1966 X 895 X 1305 (Including duct)	1777 X 825 X 1425			1950 X 950 X 1642			2700x1100x2025			3225X1100X1957		3374X1100X1932 3374X1100X2007		4051X1400X2205		4051X1400X2205		4550X1600X2395 (Including top duct-CDU)
Genset Dry Weight (Kgs)	213	500	500	670	670	780	780	780	780	1234	1234	1234	1900	1900	2250	2250	2770	2770	2770	2770	2930
Cooper Engine Specifications																					
Engine Model	1E1D1A6.3UA	2E1D1C15.5UA	2E1D1C15UA	2A5D1C18.8IW	2A5D1C18.8IW	2A9D1A34.5CW	2A9D1A34.5CW	2A9D1A34.5CW	2A9D1A34.5CW	G62.5-IV	G62.5-IV	G62.5-IV	E494TCIC	E494TCIC	4B9D1C113IW	4B9D1C113IW	6B9D1C190IW	6B9D1C190IW	6B9D1C190IW	6B9D1C190IW	669D1C228IW
Rated Power in kW (hp)	6.3 (8.56)	14.6 (19.6)	14.6 (20)	18.8 (25.6)	18.8 (25.6)	34.5 (46.2)	34.5 (46.2)	34.5 (46.2)	34.5 (46.2)	54 (72.5)	54 (72.5)	54 (72.5)	77 (104.69)	77 (104.69)	100(134.1)	118(158.2)	190(254.8)	190(254.8)	190(254.8)	190(254.8)	228(305.8)
Aspiration	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC
Cooling System	Air-cooled	Air-cooled	Air-cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled
Starting System	12 Volt Electrical	12 Volt Electrical	12 Volt Electrical	12 Volt Electrical	12 Volt Electrical	12 Volt Electrical	12 Volt Electrical	12 Volt Electrical	12 Volt Electrical	12 Volt Electrical	12 Volt Electrical	12 Volt Electrical	12 Volt Electrical	12 Volt Electrical	24 Volt Electrical	24 Volt Electrical	24 Volt Electrical	24 Volt Electrical	24 Volt Electrical	24 Volt Electrical	24 Volt Electrical
Governing	G2-Class (Mechanical)	G2-Class (Electronic)		G2-Class (Mechanical)		G2-Class (Electronic)		G2-Class (Electronic)		G2-Class (Electronic)			G2-Class (Electronic)		G3-Class (Electronic)		G3-Class (Electronic)		G3-Class (Electronic)		G3-Class (Electronic)
No. of cylinders	1	V twin	V twin	2	2	2	2	2	2	4	4	4	4	4	4	4	6	6	6	6	6
Bore X Stroke (mm)	87 x 72	87 x 72	87 x 72	87 x 100	87 x 100	87 x 100	87 x 100	87 x 100	87x100	98x122	98x122	98x122	100x120	100x120	107x126	107x126	107x126	107x126	107x126	107x126	107x145
Displacement (Liters)	0.428	0.85	0.85	1.189	1.189	1.2	1.2	1.2	1.2	3.68	3.68	3.68	3.8	3.8	4.5	4.5	6.8	6.8	6.8	6.8	7.8
Engine Speed (rpm)	3000	1500	1500	1500	1500	3000	3000	3000	3000	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Compression Ratio	20 ± 1 :1	20 ± 1 :1	19 ± 1 :1	19.5:1	19.5:1	18.5:1	18.5:1	18.5:1	18.5:1	17.5:1	17.5:1	17.5:1	17:01	17:01	17.5:1	17.5:1	17.5:1	17.5:1	17.5:1	17.5:1	17.5:1
Fuel Tank Capacity (Liters)	15	48	64/74	67	67	75	75	75	75	150	150	150	200	200	300	300	300	300	300	300	375
Lube Oil Specification	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+	15 W 40 CI4+
Lube Oil Sump Capacity (Liters)	1.5	2	2	5	5	5	5	5	5	11	11	11	14.5	14.5	8	8	11	11	11	11	13
Lube Oil Consumption (Li/hr)	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC	0.01% of FC
Total Coolant Capacity (Liters)	Not Applicable	Not Applicable	Not Applicable	5.5	5.5	5.5	5.5	5.5	5.5	15.5	15.5	15.5	15	15	17	17	22	22	22	22	28
Alternator Specifications																					
Type	Brush + AVR	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less	Brush less
Voltage	230	230/415	230/415	230/415	230/415	230/415	230/415	415	415	415	415	415	415	415	415	415	415	415	415	415	415
Speed/Frequency	3000/50	1500/50	1500/50	1500/50	1500/50	3000/50	3000/50	3000/50	3000/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50
Voltage Regulation	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%
Enclosure	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
Class of Insulation	H Class	H Class	H Class	H Class	H Class	H Class	H Class	H Class	H Class	H Class	H Class	H Class	H Class	H Class	H Class	H Class	H Class	H Class	H Class	H Class	H Class

Note :
1. 0.746 Factor used for Kw to Hp conversion
2. Mentioned lube oil consumption at the ideal condition

* 5C Warranty is applicable only for Cylinder Block, Cylinder Head, Cam Shaft, Crank Shaft & Connecting Rod against manufacturing defects and as per CCPL Service Warranty Policy.

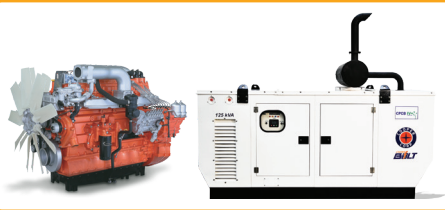
Genset Controller

- Microprocessor Based
- AMF Logic
- Digital Display



Alternator

- Option of Space Heater
- Best-in-class transient recovery time
- Great Efficiency level for the complete range
- Fully programmable digital AVR



- Save Fuel
- Control Pollution
- Save Nation

Note: Due to continuous improvement the specifications given above are subject to change without prior intimation. All the Genset specifications conform to ISO 8528 standard.
*Based on ISO3046 reference conditions with diesel fuel specific gravity of 0.85 and with a tolerance of +/- 5% at standard NTP operating conditions.
*Diesel Exhaust Fluid (DEF) - AUS 32, ISO22241/IS17042 standard.
*DEF Tank Capacity 82.5kVA - 24 Ltrs, 100 to 250kVA 45 Ltrs.