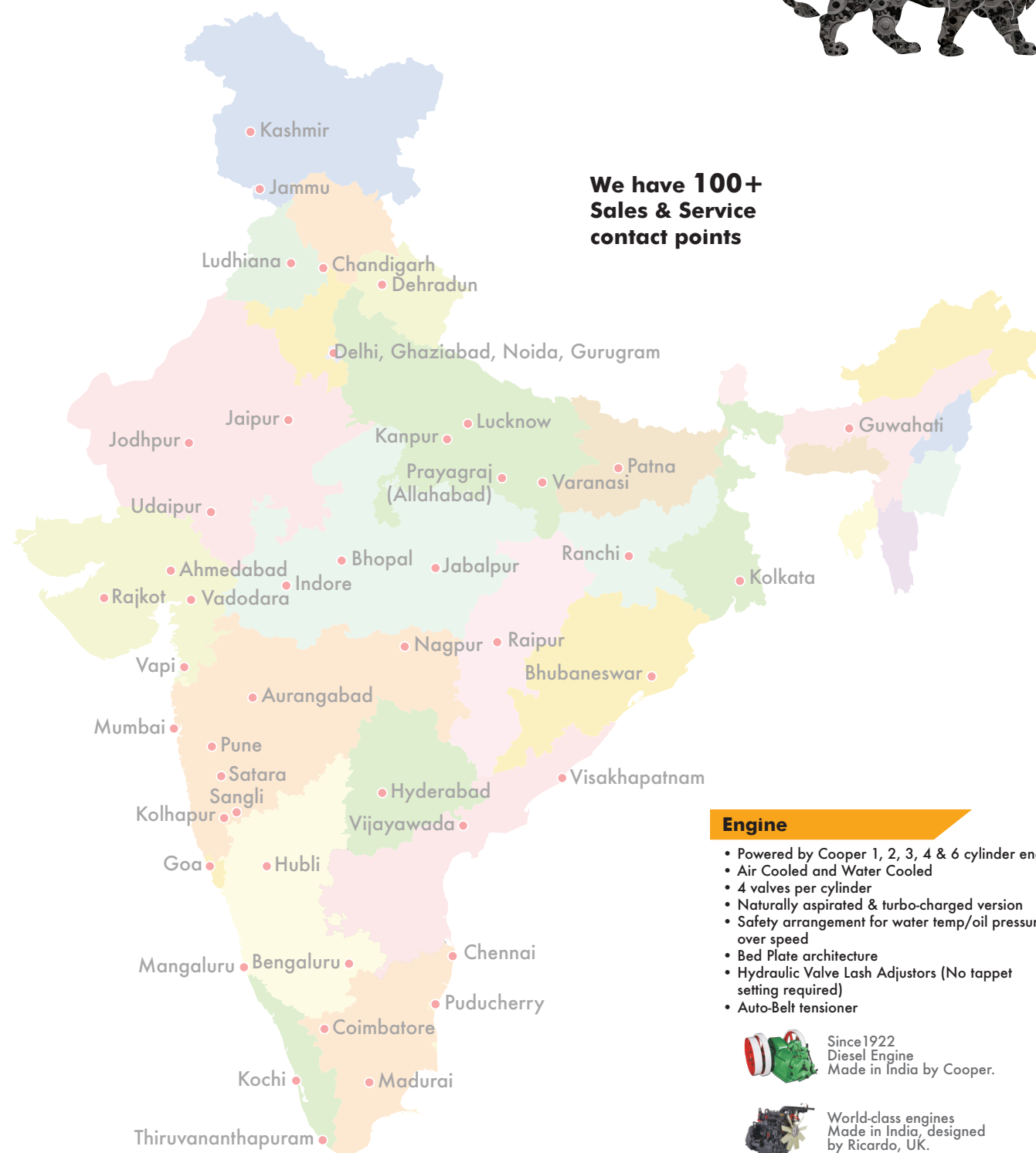




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- Naturally aspirated & turbo-charged version
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- Bed Plate architecture
- Hydraulic Valve Lash Adjustors (No tappet setting required)
- Auto-Belt tensioner



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Central Marketing Office
Office No. 301/A, 3rd Floor, City Bay, Boat Club Road, Pune - 411001,
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Map of India used for representational purpose only.

Genset Technical Specification

Genset Rating (kVA)	3.5	5	7.5	10	15	15	20	25	30	35		40	50	60	75	82.5	100	125	140	160	180	200	250
Genset Model	CDC103.51D43	CDK100051D43	CDY107.51D44 /CDY107.53D44	CDY100101D44 /CDY100103D44	CDY100151D44 /CDY100153D44	CDP100151D41 /CDP100153D41	CDP100201D41 /CDP100203D41	CDR100251D41 /CDR100253D41	CDR100301D41 /CDR100303D41	CDR100353D41		CDR100403D41	CDZ100503D41	CDZ100603D41	CDZ100753D42	CDZ182.53D42	CDT101003D41 / CDQ101003D41	CDT101253D41 / CDQ101253D41	CDP101403D41 / CCG10140DIN	CDP101603D41 / CCG10160DIN	CDP101803D41 / CCG10180DIN	CDP102003D41 / CCG10200DIN	CDU102503D41 / CDV102503D41
Power Rating (kW)	2.8	4	6	8	12	12	16	20.0	24.0	28.0		32.0	40.0	48.0	60.0	66.0	79.9	100.1	111.6	127.7	143.8	159.9	199.5
Current (Amps)	15.2	21.74	32.61/10.43	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	83.5	104.3	114.8	139	174	194	222	250	278	347
Phase	1 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	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
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	0.8
Canopy Dimension (mm) (LxWxH)	1162x560x774	1162x560x774	1400x830x1102	1400x830x1102	1400 X 830 X 1102	1777 X 825 X 1050	1777 X 825 X 1050	1950 X 950 X 1300	1950 X 950 X 1300	1950 X 950 X 1300		1950 X 950 X 1300	2750x1100x1423	2750x1100x1423	3225X1100X1594	3225X1100X1594	3374X1100X1568 3374X1100X1645	3374X1100X1568 3374X1100X1645	4051X1400X1745		4051X1400X1745		4550X1600X1749
Canopy Dimension (mm) (LxWxH) with Silencer	1162x560x819 (Including wheel height)	1162x560x819 (Including wheel height)	1562x830x1102 (Including duct)	1562x830x1102 (Including duct)	1562 X 830 X 1102 (Including duct)	1777 X 825 X 1425	1777 X 825 X 1425	1950 X 950 X 1642	1950 X 950 X 1642	1950 X 950 X 1642		1950 X 950 X 1642	2750x1100x1890	2750x1100x1890	3225X1100X1957	3225X1100X1957	3374X1100X1932 3374X1100X2007	3374X1100X1932 3374X1100X2007	4051X1400X2205		4051X1400X2205		4550X1600X2395 (Including top duct-CDU)
Genset Dry Weight (Kgs)	213	213	500	500	500	670	670	780	780	780		780	1800	1800	1900	1900	2250	2250	2770	2770	2770	2770	2930
Cooper Engine Specifications																							
Engine Model	1E1D1A6.3UA	1E1D1A6.3UA	2E1D1C15.5UA	2E1D1C15.5UA	2E1D1C15.5UA	2A5D1C18.8IW	2A5D1C18.8IW	2A9D1A34.5CW	2A9D1A34.5CW	2A9D1A34.5CW		2A9D1A34.5CW	E483TCIC	E483TCIC	E494TCIC	E494TCIC	4B9D1C113IW	4B9D1C113IW	6B9D1C190IW	6B9D1C190IW	6B9D1C190IW	6B9D1C190IW	6G9D1C228IW
Rated Power in kW (hp)	6.3 (8.56)	6.3 (8.56)	14.6 (19.6)	14.6 (19.6)	14.6 (19.6)	18.8 (25.6)	18.8 (25.6)	34.5 (46.2)	34.5 (46.2)	34.5 (46.2)		34.5 (46.2)	55 (74.78)	55 (74.78)	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	NA	NA	NA	NA	NA	TCIC	TCIC	TCIC	TCIC	TCIC		TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC
Cooling Systems	Air-cooled	Air-cooled	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
Starting Systems	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	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)		G2-Class (Electronic)		G3-Class (Electronic)		G3-Class (Electronic)		G3-Class (Electronic)		G3-Class (Electronic)
No. of cylinders	1	1	V-twin	V twin	V twin	2	2	2	2	2		2	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 72	87 x 72	87 x 100	87 x 100	87 x 100	87 x 100	87 x 100		87x100	100x105	100x105	100x120	100x120	107x126	107x126	107x126	107x126	107x126	107x126	107x145
Displacement (Liters)	0.428	0.428	0.85	0.85	0.85	1.189	1.189	1.2	1.2	1.2		1.2	3.3	3.3	3.8	3.8	4.5	4.5	6.8	6.8	6.8	6.8	7.8
Engine Speed (rpm)	3000	3000	1500	1500	1500	1500	1500	3000	3000	3000		3000	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Compression Ratio	20 ± 1 :1	20 ± 1 :1	20 ± 1 :1	20 ± 1 :1	20 ± 1 :1	19.5:1	19.5:1	18.5:1	18.5:1	18.5:1		18.5:1	17:01	17:01	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	15	48	48	48	67	67	75	75	75		75	200	200	200	200	300	300	300	300	300	300	375
Lube Oil Specifications	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+	15 W 40 CI4+
Lube Oil Sump Capacity (Liters)	1.5	1.5	2	2	5	5	5	5	5	5		5	12.5	12.5	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	0.01% of FC
Total Coolant Capacity (Litrs)	NA	NA	NA	NA	NA	5.5	5.5	5.5	5.5	5.5		5.5	14	14	15	15	17	17	22	22	22	22	28
Alternator Specifications																							
Type	Brush + AVR	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	230/415	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
Speed/Frequency	3000/50	3000/50	1500/50	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
Voltage Regulation	+/-1%	+/-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	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	H Class

Note : 0.746 Factor used for Kw to Hp conversion

Genset Controller

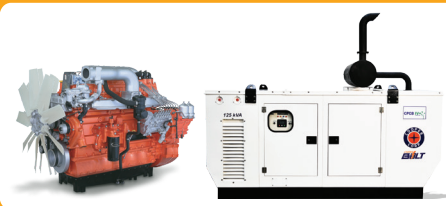
- Microprocessor Based
- AMF Logic
- Digital Display



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.