

DEC READY TO USE SILENT DIESEL GENSETS MEET WITH THE LATEST CPCB IV+ NORMS IN INDIA AND BUILT TO MEET INTERNATIONAL NORMS. THESE SETS ARE POWERED BY TATA MOTORS ENGINES

DG Set Model	Unit	DEC 25	DEC 30	DEC 35	DEC 40	DEC 45	DEC 50	DEC 62.5	DEC 82.5	DEC 100	DEC 125	DEC 160
Power Rating *	kVA	25	30	35	40	45	50	62.5	82.5	100	125	160
Electric Power	kWe	20	24	28	32	36	40	50	66	80	100	128
Rated Current	Amps	34.8	41.7	48.6	55.7	62.55	69.5	87	114.67	139	173.8	222
Length - DG Size	mm	2125	2125	2150	2150	2150	2200	2200	2450	2450	2975	2975
Width	mm	950	950	950	950	950	950	950	1100	1100	1150	1150
Height (Including Base)	mm	1325	1325	1325	1325	1325	1325	1325	1525	1525	1625	1625
DG Weight Approx	Kg	1100	1100	1100	1100	1200	1200	1300	1750	1900	2250	2250
Fuel Tank Capacity	L	110	110	110	110	110	110	110	130	130	240	240
System DC Voltage	V	12	12	12	12	12	12	12	12	12	12	12

Battery TATA / Exide Battery

Engine Specifications

Engine Model		4975PTC	4975PTC	4975PTC	4975PTC	4975PTC	4975PTC	4975PTC	4975PTC	497TC	497TC	697TC	697TC
Engine Rated	Kw / Hp	32 / 43	32 / 43	32 / 43	32 / 43	55 / 74	55 / 74	55 / 74	55 / 74	76 / 103	76 / 103	118 / 160	118 / 160
Aspiration		TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC
No of Cylinder		4	4	4	4	4	4	4	4	4	4	6	6
Bore x Stroke	mm	97x100	97x100	97x100	97x100	97x100	97x100	97x100	97x100	97x127	97x127	97x127	97x127
Displacement	L	2956	2956	2956	2956	2956	2956	2956	2956	3784	3784	5675	5675
Fuel System / DEF Capacity	Ltr	CRDI	CRDI	CRDI	CRDI	CRDI	CRDI	CRDI	CRDI	25	25	25	25
Lube Oil Sump Capacity	L	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	11.5	11.5	16	16
Coolant Capacity	L	12	12	12	12	12	12	12	12	16	16	23	23
Cable Size	Sqmm	35	50	50	50	70	70	70	70	120	150	185	185
Governing Class		G3	G3	G3	G3	G3	G3	G3	G3	G3	G3	G3	G3

Fuel High Speed Diesel

Lube Oil Change Period 500 Hours or 1 Year whichever occurs earlier

Lube Oil Specification CK4 15W 40

Alternator STAMFORD Brushless, Single Bearing, IP23, Class H Insulated, 50Hz, Voltage Regulation +/-1%

All are 1600 rpm, 60Hz, 415 / 230V 0.8pf(lag). Generators All are direct injection type, liquid cooled (with radiator) inline Turbo charged intercooler engines. *All are fitted with engine tripping facility for low lube oil pressure and high water temp. *All are provided with emergency trip on canopy. *All rotate anti clockwise when viewed from alternator end. *Cables are 31/2 or 4 core armoured aluminum (please check with your electrical inspectors for sizes). *Alternators are normally single bearing, Brushless type. *Ratings as per BS 5614/ ISO 3046/ ISO 8628. *Figures are as per standard reference conditions. *AMP Panels, Special Panels. Single phase sets trailer mounted sets supplied against specific orders. *Specifications & dimensions subject to change without notice. What is current at the time will be supplied. *Ensure proper earthing, exhaust and cable connection, lube oil & coolant levels before commissioning. *Fuel consumption @ 75% of load is considered specific gravity of fuel as 0.8355@NTP Conditions. Tolerance will be +5%. All dimensional specifications are subject to change for product development.

Diesel Engineers & Co



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