

The trusted leader in transport solution presents a fully integrated power system to power your business and profits.
Products that match global standards at Indian prices

DIESEL GENERATOR MODEL	UNIT	LP 5D	LP15D1	LP20D1	LP25D1	LP30D1	LP35D/LP40D	LP35D1/ LP40D1	LP 50 / 62.5D	LP62.5D1	LP75D/LP 82.5D	LP100D	LP125D	LP160D	LP250D
Power rating*	kVA	5	15	20	25	30	35/40	35/40	50 / 62.5	62.5	75/82.5	100	125	160	250
Electric power	kWe	4	12	16	20	24	28/32	28/32	40 / 50	50	60/66	80	100	128	200
Rated current	Amp	20.85**	21	22	28	33	48.69/55.65	48.69/55.65	69.56 / 86.95	86.95	104.34/114.78	139.12	173.91	222.6	348
Diesel generator size	L	970	1650	2000	2000	2000	2500	2500	2800	2800	2800	3300	3300	3900	4700
	W	580	900	900	900	900	1100	1100	1200	1200	1200	1250	1250	1350	1600
Height (including base)	mm	790	1220	1420	1420	1420	1380	1380	1400	1400	1400	1565	1565	1700	2020
Diesel generator weight approx.	Kg	200	676	676	750	750	1086	1075	1350	1350	1417	1876	1876	2188	4500
Fuel tank capacity	litres	12	55	55	55	55	140	140	140	140	190	200	200	250	340
Battery capacity	Amp	35	90	90	90	90	90	90	90	90	90	90	90	105	105
System DC voltage	Volt	12	12	12	12	12	12	12	12	12	12	12	12	12	24
Engine model		AL418DG1	AL2CDG1	AL2CTIDG1	AL2CTIDG2	AL2CTIDG1	AL4CTDG1	AL4DG1	AL4CTIDG2	AL4CTIDG5	AL4CTIDG3	AL6DTIDG1	AL6DTIDG2	AL6DTIDG4	AL8NTIDG6
Engine rated kW / engine rated HP	kW/HP	5.5/7.5	15.6/21	18.7/25.4	25.2/34.2	28.4/38.6	39/52.29	39/52.28	59/79.12	59/79.09	78/104.59	94/126.05	116/155.5	147/197.13	223/299
Aspiration		NA	NA	TC	TC AC	TC AC	T	NA	TA	TA	TA	TA	TA	TA	TA
No. of cylinders and configuration		Single, Vertical	2, In-line	2, In-line	2, In-line	2, In-line	4, In-line	4, In-line	4, In-line	4, In-line	4, In-line	6, In-line	6, In-line	6, In-line	6, In-line
Bore x stroke	mm	86 x 72	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	104 x 118	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	112 x 135
Displacement	litres	0.418	1.915	1.915	1.915	1.915	3.84	4	3.84	3.84	3.84	5.76	5.76	5.76	7.98
Compression ratio		20 ± 0.5 : 1	17.5 ± 0.5 : 1	16.5 ± 0.5 : 1	16.5 ± 0.5 : 1	17.5 ± 0.5 : 1	17.5 ± 0.5 : 1	17.5 ± 0.5 : 1	16.5 ± 0.5 : 1	16.5 ± 0.5 : 1	16.5 ± 0.5 : 1	16.5 ± 0.5 : 1	16.5 ± 0.5 : 1	16.5 ± 0.5 : 1	17.5 ± 0.5 : 1
Fuel consumption***	litre/hr	1.5	3.5	4.2	5.0	6.1	7.5	8	9.1 / 11.3	12.5	13.6	17.5	21.6	27.9	40.3
Lube oil capacity approx.	litres	1.65	6	6	6	6	8.5	8.5	8.5	8.5	11	17.5	17.5	17.5	25
Coolant capacity approx.	litres	Air Cooled	10	12	12	13	13	13	13.5	13.5	15.5	20	20	25	41
Governing class		A1	A1	A1	A0	A0	A0	A0	A0	A1	A0	A0	A0	A0	A0
Governor used		Mechanical	Mechanical	Mechanical	Electronic	Electronic	Electronic	Electronic	Electronic	Mechanical	Electronic	Electronic	Electronic	Electronic	Electronic
Oil change period		200 Hrs or six months****	600 hrs or one year										500 hrs or six months		
Lube oil specification		Gulf LEPOWER XLL Diesel Engine Oil													
Alternator		230 V**	Brushless, single bearing, IP23, class H insulated, 50 Hz, voltage regulation ± 0.5%, 0.8PF lag												

* Power rating - As per BS 5514 / ISO 3046 / ISO 8528 under standard reference conditions. Reference conditions 27°C ambient temperature, 100KPA (750mm of Hg) atmospheric conditions with maintenance intervals and procedures.

** Rated current for 5 kVA single phase, the alternator for 5 kVA is brush with AVR, 230 V, IP23, class H Insulated, 50 Hz, 0.8 PF lag.

*** Fuel consumption for genset at 75% of load in considered, specific gravity of fuel as 0.8355 at NTP condition, tolerance will be +5%.

**** For first time in 5 kVA, the replacement of lube oil will be in 50 hrs.

Entire range is three phase except 5 kVA. Further single phase option is available from 10 kVA to 45 kVA.



Ashok Leyland LEPOWER ready-to-use diesel generator sets are offered in full range from 5 kVA-2500 kVA. The aesthetically designed silent diesel generator sets meet with latest CPCB emission norms and are offered from various manufacturing locations. Ashok Leyland offers total power solution including transportation of diesel generator set, loading / unloading, positioning and installation at site which includes earthing work, cabling work, exhaust piping, fuel line, room treatment and required approval from various bodies

Some of the USPs of LEPOWER diesel generator sets are

- Two years warranty on entire package
- Compact in size
- Low operating costs
- Rugged and suitable for continuous duty applications
- Easy availability of spares and service
- Single point contact for engine, alternator, panel and installation

AMF control panel (optional)

- Consists of a microprocessor based AMF control unit, which can operate on 'auto', as well as 'manual' mode. It monitors the engine safety parameters and alarm / trip condition will be displayed on the front panel
- Special alarm conditions include LLOP, HWT, overload, under / over speed, low fuel level. The controller comes with an inbuilt LVM and the parameters can be programmed to meet specific customer requirements
- The specific indication includes various conditions of operations such as load on mains, load on diesel generator, mains healthy, diesel generator on, 'auto' and 'manual' mode
- The control panel consists of a multifunction meter which displays A.C. current / voltage, frequency, power factor, kilowatt hour. The generator set can also be supplied with a standard control panel to operate in manual mode



1202 / 1203 Generator Controller

- Reads all genset inputs and controls the genset
- Controls the engine speed (speed governing)
- Supports Auto-mains-failure (AMF) functions for 1-Ph and 3-Ph genset
- Supports Manual-control-panel (MCP) functions for 1-Ph and 3-Ph genset
- Measures genset voltages and currents
- Measures mains supply voltages and currents
- Measures electrical parameters like frequency, power factor, genset power
- Monitors critical engine safety parameters
- Starts and stops the genset
- Have counters for genset starts and stops, run hours, kWh, power factor