



ASHOK LEYLAND
POWER SOLUTIONS

LP10-160 kVA

**LEYPower SERVICE
AND SPARE PARTS SUPPORT.**

Market support is provided by
over 100 + qualified and skilled
Leypower dealers.



● SERVICE DEALERS

LEYPower
POWERING YOUR NEEDS

MARKETING DIVISION:
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Authorised Dealer

[Empty box for authorised dealer information]

Rev.06 (01/507/2014)



LEYPower

Diesel Generating Sets 10 - 2250 kVA

POWERING YOUR NEEDS

LEYPEOWER DIESEL GENERATING SET SPECIFICATION

DG SET MODEL	Unit	LP10D	LP15D	LP25D	LP30D	LP35D/LP40D	LP45D	LP50D	LP62.5D	LP75D/LP82.5D	LP100D	LP125D	LP140D	LP160D
Power Rating*	kVA	10	15	25	30	35/40	45	50	62.5	75/82.5	100	125	140	160
Electric Power	kWe	8	12	20	24	28/32	36	40	50	60/66	80	100	112	128
Rated Current	Amp	14	20.87	34.78	41.74	48.69/55.65	62.61	69.56	86.95	104.34/114.78	139.12	173.91	194.77	222.6
DG Size L	mm	1750	1750	2000	2000	2500	2800	2800	2800	2800	3300	3300	3900	3900
W		900	900	950	950	1100	1200	1200	1200	1200	1250	1250	1350	1350
H(Including Base)		1290	1290	1390	1390	1380	1400	1400	1400	1400	1565	1565	1700	1700
DG Weight	Kg	637	676	723	744	1086	1190	1290	1350	1410	1874	1874	2176	2176
Fuel Tank Capacity	L	75	75	75	75	140	140	140	140	140	180	180	180	180
Battery Capacity	AH	99	99	99	99	99	99	99	99	99	120	120	150	150
System DC Voltage	V	12	12	12	12	12	12	12	12	12	12	12	24	24
Engine Model		AL485DG1	AL485DG1	AL485TADG3	AL485TADG4	AL4CTDG1	AL4CTIDG2	AL4CTIDG2	AL4CTIDG2	AL4CTIDG3	AL6DT1 DG1	AL6DTIDG2	AL6DTIDG3	AL6DTIDG4
Engine Rated kW/Engine Rated HP	kW/HP	17.5/23.45	17.5/23.45	25/33.5	28/38.88	39/52.28	59/79.09	59/79.09	59/79.09	78/104.56	94/126.01	116/155.5	130/174.26	147/197.05
Aspiration		NA	NA	TA	TA	T	TA	TA	TA	TA	TA	TA	TA	TA
No. of cylinders & configuration		4,In line	4,In line	4,In line	4,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	85X92	85X92	85X92	85X92	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113
Displacement	L	2.088	2.088	2.088	2.088	3.84	3.84	3.84	3.84	3.84	5.76	5.76	5.76	5.76
Compression ratio		18.0 ± 0.5 : 1	18.0 ± 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	16.5 ± 0.5 : 1	16.5 ± 0.5 : 1
Lube Oil Capacity including filter	L	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	11	17.5	17.5	17.5	17.5
Coolant Capacity approx.	L	6	6	9	9	13	13.5	13.5	13.5	15.5	20	20	25	25
Governing Class		A0/A1	A0/A1	A0/A1	A0/A1	A0	A0	A0	A0	A0	A0	A0	A0	A0
Governer Used		Electronic/Mechanical	Electronic/Mechanical	Electronic/Mechanical	Electronic/Mechanical	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Oil Change Period		600 hours or 6 months												
Lube Oil specification		Gulf LEYPEOWER XLL Diesel Engine Oil												
Alternator		Brushless, Single Bearing, IP23, Class H Insulated, 50 Hz, Voltage Regulation + 0.5%, 0.8PF Lag												

*Note: Power Rating as per standard reference condition as per BS 5514/ISO 3046/ISO 8528/ISO 10002

**Fuel consumption of Genset @75% of load is considered specific gravity of fuel as 0.8535 at NTP condition. Tolerance will be +5%

***Entire range is available with Three Phase, Single phase DG set optional from 10KVA to 45 KVA

Rating Definition : Continuous rating is defined as being the maximum power which the generating set is capable of delivering continuously whilst supplying a constant electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with maintenance intervals and procedures.

The above specifications are liable to change due to continuous improvement process and are for reference only.

Ashok Leyland Ltd. reserves the right to revise the specifications or dimensions without notice.

*** 10-160 kVA dimensions are inclusive of canopy

Ashok Leyland, LEYPEOWER ready to use DG sets are offered in full range from 10 KVA-2250 KVA. The aesthetically designed silent DG sets meet with latest CPCB emission norms and are offered from various manufacturing locations. Ashok Leyland offers total power solution including transportation of DG set, loading unloading, positioning & installation at site which includes Earthing work, cabling work, exhaust piping, fuel line, room treatment and required approval from various bodies

Some of the USP of Leypower Diesel generating sets are

- 2 year warranty on entire package
- Compact in size
- Low operating costs
- Rugged and suitable for continuous duty applications
- Easy availability of spares and service
- Nation-wide Service network
- One point contact for Engine, Alternator, Panel & Installation

AMF control panel (Optional)

- Consist 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 conditional 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 DG, Mains Healthy, DG ON, Auto & Manual mode
- The control panel consists of a multi function meter which displays AC Current/Voltage, Frequency, Power Factor, Kilowatt Hour. The generator set can also be supplied with a standard control panel to operate in manual mode



GC 1201
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 & currents
- Measures mains supply voltages & 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