



**ASHOK LEYLAND**  
ENGINEERING YOUR TOMORROWS



For over five decades, the Hinduja Group flagship Ashok Leyland has been a major presence in India's commercial vehicle industry with a turnover of over US \$ 2 billion in 2006-07. Served by its own comprehensive R&D base, complemented by collaborations with global technology leaders, Ashok Leyland has established a tradition of technological leadership and a strong reputation for product reliability. With six manufacturing locations, the company has an annual production capacity of 84,000 vehicles, soon to touch 100,000. Ashok Leyland is also the only Indian auto company with the ISO/TS 16949-2002 corporate certification.

**LEYPOWER**  
POWERING YOUR NEEDS

The Ashok Leyland LEYPOWER ready-to-use diesel generating sets are offered in the range 10 to 500 kVA. The aesthetically designed, silent DG sets meet with the latest CPCB norms and are powered by the compact Ashok Leyland series of diesel engines, trouble free performance, ensuring minimum maintenance and low operating costs. Our country-wide service dealer network ensures prompt service and spare parts support throughout India.

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**LEYPOWER**

Diesel Generating Sets 10-500 kVA

**POWERING YOUR NEEDS**



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## Leypower Diesel Generating set specifications

DG set model	LP10/LP15	LP20	LP25R	LP30	LP30e4	LP45 / LP40	LP63R / LP50	LP83R / LP75	LP100R	LP125R	LP140/LP160	LP180	LP200R	LP250	LP500
Power Rating (KVA)	10/15	20	25	30	30	45 / 40	62.5 / 50	82.5 / 75	100	125	140/160	180	200	250	500
Electric Power (Kwe)	8/12	16	20	24	24	36 / 32	50 / 40	66 / 60	80	100	112/128	144	160	200	400
Rated Current ( amp)	14/21	28	35	42	42	63 / 56	87 / 70	115 / 105	139	174	195/223	250	278	348	695
No of Phase*	3 phase / 415 V														
DG Size (withoutsilencer - mm)	1760x900x1400	2100x950x1400	2100x950x1400	2150x1050x1670	2575x1100x1525	2575x1100x1525	3100x1200x1630	3300x1300x1700	4000x1260x1910	4000x1260x1910	4300x1500x1980	4500x1500x1961	4500x1500x1961	4700x1600x2050	5500x2000x2235
Fuel tank capacity(Litre)	250	250	250	250	250	250	250	250	250	250	400	400	400	400	950
Battery capacity(AH)	99	99	99	99	120	120	120	120	150	150	150	150	150	150	150
System (DC) voltage	12	12	12	12	12	12	12	12	24	24	24	24	24	24	24
Weight ( DG set - Kg)	790/810	900	955	1050	1100	1225	2000	2050	2200	2300	3585	3375	3375	3450	5300
Dry Weight ( Engine- Kg)	220	220	220	370	350	350	350	350	600	600	995	905	905	950	1060
<b>Engine</b>															
Engine model	AL485G1	AL485TG2	AL485TAG3	AL4102G1	ALGPW04D.E4	ALGPW04DMK1.E4	AL4DTG3	AL4DTIG2	AL6DTIG1	AL6DTIG2	AL680TAG2/G3	AL615TAG2	AL615TAG1	ALGD 618.42D	BF8M 1015CPG3
Engine Max HP	24.8	31.5	36.9	48.3	46.4	53.5	84.0	109.4	134.0	167.6	197/224.3	247.7	277.2	341.0	661.1
Engine Rated HP	23.5	29.5	34.9	44.6	42.2	48.7	76.4	103.2	122.0	152.8	179/203.8	225.2	252.0	310.0	600.0
Aspiration	Natural	T	TA	Natural	Natural	Natural	T	TA							
No of Cylinders	4	4	4	4	4	4	4	4	6	6	6.0	6	6	6	8
Bore & Stroke (mmxmm)	85 x 92	85 x 92	85 x 92	102 x 118	104 x 113	104 x 113	127x146	126x130	126x130	126 x 155	132 x 145				
Displacement ( Litre)	2.088	2.088	2.088	3.857	4.009	4.009	4.009	4.009	5.759	5.759	111	9.726	9.726	11.596	15.9
Compression Ratio	18:1	18:1	18:1	17.5:1	17.9:1	17.9:1	17.9:1	17.9:1	17.5:1	17.5:1	17	17:1	17:1	17:1	16.5:1
Fuel cons ** (Litre/Hr)	20/25	3.4	3.9	4.5	4.8	6.0 / 5.6	9.0/7.5	13.0/11.5	16.0	17.5	24/26	29.8	31.6	35.0	70.0
Lub oil Sump capacity(Litre)	8.5	8.5	8.5	8.5	7.5	7.5	7.5	7.5	7.5	12.0	16.0	17.0	27.0	27.0	45.0
Lub oil Consumption ( Litre/Hr)	<0.15%	<0.3%	<0.3%	<0.15%	<0.15%	<0.15%	<0.15%	<0.15%	<0.3%	<0.3%	0.5%	<0.3%	<0.3%	<0.3%	<0.3%
Coolant capacity ( Litre)	6.0	6.0	9.0	11.0	15.0	15.0	10.0	12.0	16.0	16.0	45.0	40.0	40.0	45.0	116.0
Governing class	A1	A1	A1	A1	A1	A1	A1	A1	Electronic A1	Electronic A1	A1	Electronic A1	Electronic A1	Electronic A1	Electronic A1
<b>Alternator</b>															
Brushless, Single Bearing , IP23, Class H Insulated, 50 Hz, Voltage Regulation ±1% , 0.8PF Lag															

\* Single Phase DG set is available optional from 10 KVA to 45 KVA

\*\* Fuel Consumption of Genset @75 % of load is considering specific gravity of fuel as 0.8355 at NTP condition , Tolerance will be ±5%

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

Reference condition 27 Deg C ambient Temp , 100KPA( 750mm of Hg) Atmospheric Condition and 60% Humidity - As per IS 10002, ISO3046

The above specifications are liable to change due to continuous improvement and are for reference only. Ashok Leyland Limited reserve the right to revise the specification or Dimension without notice

**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 being carried out as prescribed by the manufacturer.

• All the DG sets are continuous rating other than 500KVA DG set

### Power Source

- The Ashok Leyland series of genset engines meet the latest CPCB emission norms, are environment friendly and designed to work under arduous conditions.
- The sturdy, 4 & 6 cylinder, in-line, water cooled, four stroke Ashok Leyland range of diesel engines yield continuous power, enabling the generator to operate round the clock, continually at 100% load.
- The inherent construction design of the engines ensures easy serviceability, accessibility and maintenance, even inside an acoustic enclosure.
- Minimum vibration and less noise level
- Highly rugged and reliable engine

### Acoustic Enclosures

- The acoustic enclosures have been manufactured with specially procured CRCA sheet and using CNC machines for obtaining precision finish
- Powder coated , Foam type acoustics

### RTU (Ready to use) DG set unit

- Powered with AL Make engine coupled with Single bearing Brushless Alternator
- Equipped with Standard safety feature like LLOP,HWT, Emergency Stop
- Standard Manual Control Panel ( Visible from glass window )
- Residential silencer, suitable battery with cable, inbuilt diesel tank



### 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 conditions 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 display indication includes various conditions of operation which include, 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 and Kilowatt Hour
- The generator set can also be supplied with a standard control panel to operate in manual mode