

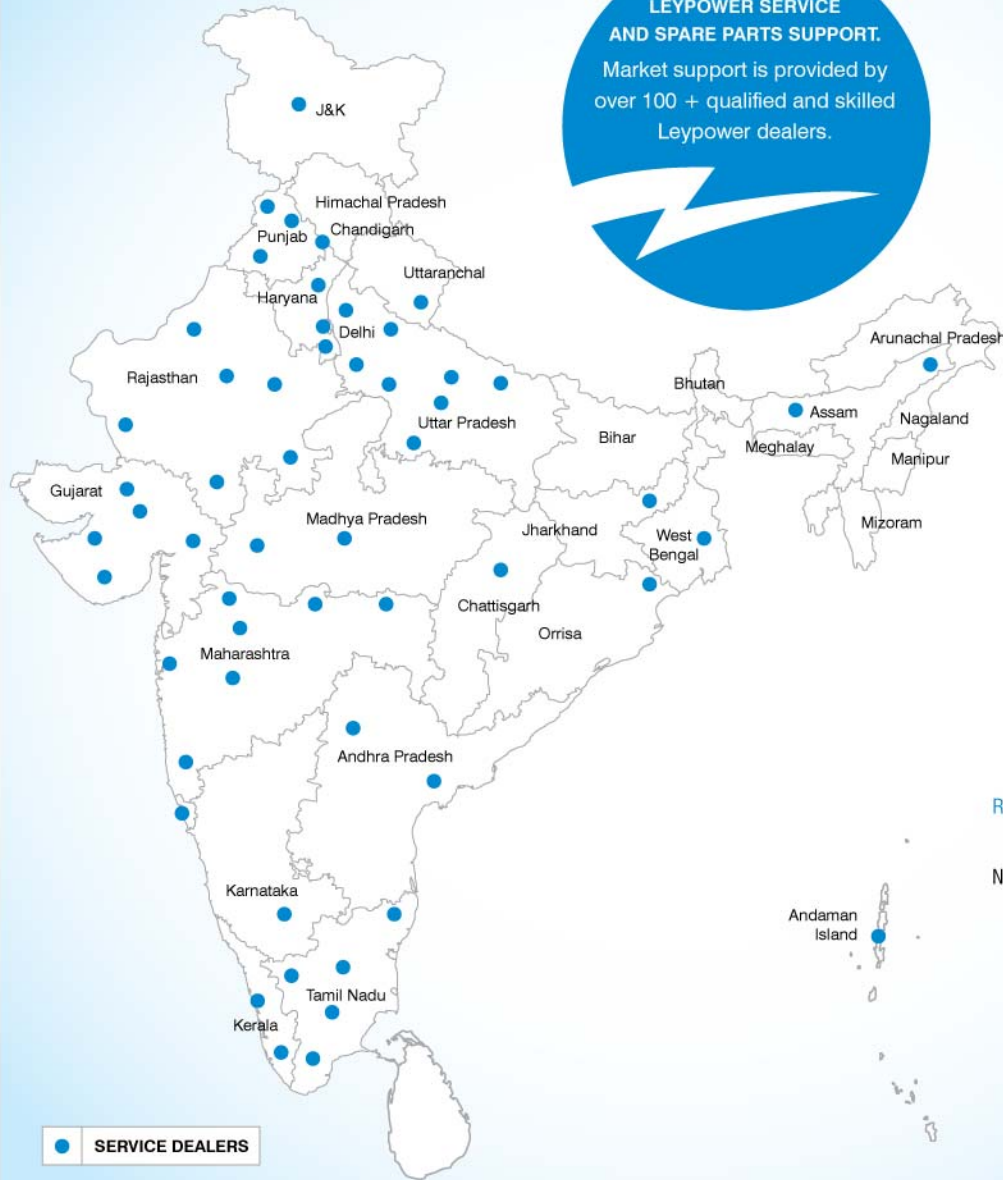


ASHOK LEYLAND
POWER SOLUTIONS

LP10-160 kVA



LEYPEOWER SERVICE AND SPARE PARTS SUPPORT.
Market support is provided by over 100 + qualified and skilled Leypower dealers.



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LEYPEOWER
POWERING YOUR NEEDS

MARKETING DIVISION:
Ashok Leyland, IV Floor, West Wing, No.1, Sardar Patel Road, Guindy, Chennai - 600 0032.
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REGIONAL OFFICES

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|---|---|--|--|

Authorised Dealer



LEYLAND DIRECT
1800-266-3340
24 X 7 National Helpline

LEPOWER DIESEL GENERATING SET SPECIFICATION

| DG SET MODEL | Unit | LP10/ LP 15 | LP20 | LP25 | LP30 | LP35/LP40 | LP45 | LP50 / LP63 | LP83 | LP100 | LP125 | LP140 / LP160 |
|----------------------------------|---|-------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|---------------|
| POWER RATING | KVA | 10 / 15 | 20 | 25 | 30 | 35/40 | 45 | 50 / 63 | 82.5 | 100 | 125 | 140 / 160 |
| ELECTRIC POWER | Kwe | 8 / 12 | 16 | 20 | 24 | 28/32 | 36 | 40 / 50 | 66 | 80 | 100 | 112 / 128 |
| Rated Current | AMP | 14 / 21 | 27.7 | 34.8 | 41.6 | 48.6/55.6 | 62.55 | 69.5 / 86.8 | 114.6 | 139 | 173.8 | 194.6 / 222.4 |
| DG Size L | | 1750 | 2000 | 2000 | 2000 | 2500 | 2800 | 2800 | 2800 | 3300 | 3300 | 3300 |
| W | mm | 900 | 950 | 950 | 950 | 1100 | 1200 | 1200 | 1200 | 1250 | 1250 | 1250 |
| H (Including Base) | | 1270 | 1390 | 1390 | 1390 | 1350 | 1375 | 1375 | 1375 | 1530 | 1530 | 1530 |
| DG Weight | Kg | 619/633.4 | 706 | 723.16 | 744 | 1086 | 1191 | 1296/1343 | 1409 | 1874 | 1874 | 2176 |
| Fuel tank capacity | L | 50 | 50 | 50 | 50 | 50 | 100 | 100 | 100 | 200 | 200 | 200 |
| Battery capacity | AH | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 120 | 120 | 150 |
| System (DC) voltage | V | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 24 |
| Engine Model | | AL485 G1 | AL485T G2 | AL485TA G3 | AL485TA G4 | W04D MK1 | AL4DTG3 | AL4DT G3 | AL4DTI G2 | AL6DTI G1 | AL6DTI G2 | AL6DTI G3/G4 |
| Engine Rated HP | HP | 23.5 | 29.5 | 34.9 | 44.7 | 48.7 | 76.4 | 76.4 | 103.3 | 122.0 | 152.8 | 171 / 196 |
| Aspiration | | Natural | T | TA | TA | Natural | T | T | 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 | 6/ In-line | 6/ In-line | 6/ In-line |
| Bore x Stroke | mm | 85 x 92 | 85 x 92 | 85 x 92 | 85 x 92 | 104 x 118 | 104 x 118 | 104 x 118 | 104 x 118 | 104 x 113 | 104 x 113 | 104 x 113 |
| Displacement | L | 2.088 | 2.088 | 2.088 | 2.088 | 4.009 | 4.009 | 4.009 | 4.009 | 5.7 | 5.7 | 5.7 |
| Lube Oil Capacity | L | 8.5 | 8.5 | 8.5 | 8.5 | 7.5 | 7.5 | 7.5 | 7.5 | 12 | 16 | 16 |
| Coolant Capacity | L | 6 | 6 | 9 | 9 | 15 | 10 | 10 | 12 | 16 | 16 | 25 |
| Compression ratio | | 18:1 | 18:1 | 18:1 | 18:1 | 17.9:1 | 17.9:1 | 17.9:1 | 17.9:1 | 17.5:1 | 17.5:1 | 16.5:1 |
| Governing Class | | A1 | A1 | A1 | A1 | A1 | A1 | A1 | A1 | Elect. A1 | Elect. A1 | A1 |
| Alternator | Brushless, Single Bearing, IP23, Class H Insulated, 50 Hz, Voltage Regulation + 0.5%, 0.8PF Lag | | | | | | | | | | | |

* Fuel consumption of Genset @ 75% of load is considered specific gravity of fuel as 0.8355 at NTP condition, Tolerance will be +5%

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

** Entire range is available with Three Phase. Single Phase DG set Optional from 10 KVA to 45 KVA

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, ISO 3046

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.

Ashok Leyland, LEPOWER 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



AL 4522
GENERATOR CONTROLLER

Effective from January '14



DSE 6020
GENERATOR CONTROLLER

- IP65 rating (with optional gasket)
- Control signal for auto transfer between mains (utility) and generator
- Hours counter provides accurate information for monitoring and maintenance periods
- User-friendly set-up and button layout for ease of use
- Fully configurable via the fascia or PC using USB communication
- Extremely efficient power save mode
- 3 phase generator sensing
- Provision for 3 phase mains (utility) sensing
- Provision for 3 phase generator current sensing
- Wide Range configurable of Timers
- Provision for Remote monitoring & Control Through GPRS (Optional)
- Provision for Web monitoring (Optional)