

LEYPOWER DIESEL GENERATING SET SPECIFICATION

DG SET MODEL	Unit	LP180/200	LP250	LP320	LP400	LP500	LP750	LP1010	LP1250	LP1500	LP2000	LP2250
POWER RATING	KVA	180/200	250	320	400	500	750	1010	1250	1500	2000	2250
ELECTRIC POWER	Kwe	144/160	200	256	320	400	600	808	1000	1200	1600	1800
Rated Current	AMP	250.4/278.2	348	445.2	556.5	695.6	1043.0	1404.0	1737.0	2085	2780	3127
DG Size L		4700	4700	5500	5500	5500	7600	4445	4880	4880	5900	5900
W	mm	1600	1600	1800	1800	1800	2300	2045	2090	2090	2876	2900
H (Including Base)		2019	2000	2300	2300	2300	2300	2400	2523	2523	3580	3600
DG wet Weight	Kg	3340/3400	4500	5800	5600	5600	9400	9000	11300	12300	16475	16525
Fuel tank capacity	L	370	340	990	990	990	990	990	990	990	990	990
Fuel Consumption *	L/hr	25.9 / 28.7	36.1	46.5	60.5	76.8	121	160	199	231	326	346
Battery capacity	AH	180	150	180	180	180	150	150	150	150	150	150
System (DC) voltage	V	12	24	24	24	24	24	24	24	24	24	24
Engine Model		AL11TA G1/ G2	AL 8NTIG3	AL V8TAG1	ALV12TA G1	ALV12TA G2	4006-23TAG2A	4008-TAG2A	4012-46 TAG0A	4012-46TAG2A	4016 TAG2A	4016 61TRG3
Engine Max HP	HP	230.42/251.90	314.02	407.28	499.85	631.45	908.1	1145.9	1570.1	1658.5	2228.1	2647.0
Engine Rated HP	HP	221.58/243.06	303.15	396	484.9	603.58	878.2	1094.3	1518.5	1601.4	2158.8	2513.0
Aspiration		TA	TA	TA	TA	TA	TA	TA	TA	TA	TA	TA
No. of cylinders & configuration		6,Vertical In line	6,Vertical In line	8 'Vee'	12 'Vee'	12 'Vee'	6,Vertical In-Line	8,Vertical in-line	12 'Vee'	12 'Vee'	16 'Vee'	16 'Vee'
Bore x Stroke	mm	105X130	112 X 135	128x130	128X130	128 X 140	160X190	160X190	160X190	160X190	160X190	160X190
Displacement	L	6.75	7.98	13.4	20.07	21.65	22.92	30.561	45.842	45.842	61.123	61.123
Compression ratio		16.2:1	17.5:1	14.6:1	14.6	16:01	13.6:1	13.6:1	13.6:1	13.6:1	13.6:1	13:1
Lube Oil Capacity(Max)	L	22.5	25	41	60	70	114	153	159	157.5	214	214
Lube Oil Capacity(Min)	L	17.5	20	36	55	65	91	127	136	115	147	147
Coolant Capacity	L	48 / 50	41	85	138	154	105	149	210	235	316	316
Governing Class		Mech/A1	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
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%.

*** 180-750 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, LEYPOWER 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)