

**WE NOT ONLY
DRIVE THE NATION,
BUT ALSO POWER IT.**



LEYPower DIESEL GENERATORS 5 TO 650 kVA

Silent Genset • Highly Fuel Efficient • Environmental Friendly • Nationwide Service Support

LEYPOWER DIESEL GENERATING SET SPECIFICATION

DG MODEL	Unit	LP320	LP350	LP380
Power Rating@0.8 PF,415V,50 Hz	kVA	320	350	380
Electric Power	kWe	256	280	304
Rated Current	Amp	445	487	529
DG Size	L	5000	5000	5000
	W	2000	2000	2000
	H (Including Base)	2800	2800	2800
DG Weight approx.	Kg	4700	4900	5000
Fuel Tank Capacity	L	990	990	990
Battery Capacity	AH	180	180	180
System DC Voltage	V	24	24	24
Engine Make		VOLVO PENTA™	VOLVO PENTA	VOLVO PENTA
Engine Model		TAD1351GE	TAD1352GE	TAD1354GE
Engine Nett Output Power	KW	279	314	328
Engine Nett Output Power	HP	379	427	446
Aspiration		TA	TA	TA
Rated Speed	RPM	1500	1500	1500
No. of cylinders		6 " In line"	6 " In line"	6 " In line"
Bore x Stroke	mm	131X158	131X158	131X158
Displacement	L	12.78	12.78	12.78
Compression ration		18.1:1	18.1:1	18.1:1
Fuel Consumption @75% Load*	L	49	54.8	58.5
Fuel Consumption @100% Load*	L	63.1	69.3	73.89
Lube Oil System Capacity .	L	30	30	30
Lube Oil Grade .		API CI 4+ 15W 40	API CI 4+ 15W 40	API CI 4+ 15W 40
Governor/Class Class		"Electronic/G2"	"Electronic/G2"	"Electronic/G2"
Coolant capacity	L	24	24	24
Alternator Make		Leroy Somer	Leroy Somer	Leroy Somer
Alternator Model		LSAP45C	LSA47.2 VS2	LSA47.2 VS2
Enclosure/Winding Insulation class		IP 23/Class H		
Voltage Regulation		± 1 %	± 1 %	± 1 %
Efficiency @75% Load	%	95.1	93.9	93.9
Efficiency@100% Load	%	94.3	93.5	93.5
Over Load Capacity				

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.

Note: The above DG ratings are * Prime rating".The Power Rating is as per standard reference condition as per BS 5514/ISO 3046/ISO 8528/ISO 10002.

* Specific gravity of fuel is considered for 850 gms/Litre. +5% tolerance is applicable for the above consumptions as per BS-5514/ISO-3046

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

Power Source:

1. "Ashok Leyland" Packaged "VOLVO PENTA" powered DG sets meet the latest CPCB-II emission norms.
2. Highly Fuel Efficient
3. Best in class first step load capability.
4. Maximum deration tolerance

RTU (Ready to use) DG set unit

1. Adhere to CPCB-II norms on noise.
2. Residential silencer, suitable batteries with cable and in-built diesel tank (optional).
3. Powered with "VOLVO PENTA" make engine coupled with Single bearing brushless alternator of either LS or Stamford

Acoustic Enclosures

1. The design and construction of the DG set ensure easy serviceability, accessibility and maintenance inside acoustic enclosure.
2. The acoustic have been manufactured with specially procured CRCA sheet and using CNC machines for obtaining precision finish

AMF control panel (Optional)

1. Consists of a microprocessor based AMF Control unit, which can operate on auto as well as on manual mode. It monitors the engine safety parameters and alarm/trip conditions display on the front panel.
2. 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.
3. The specific indication includes various conditions of operation such as Load on Mains, Load on DG, Main Healthy, DG on, Auto & manual mode.
4. The control panel consists of a multifunction meter which displays AC current/Voltage, Frequency, Power factor, Kilowatt Hour.
5. The generator set is also available with a standard control panel to operate in manual mode.

LP415	LP450	LP500	LP600	LP650
415	450	500	600	650
332	360	400	480	520
577	626	695	834	904
5000	5600	5600	5600	5600
2000	2000	2000	2000	2000
2800	2800	2800	2800	2800
5750	5900	6150	6350	6650
990	990	990	990	990
180	180	180	180	180
24	24	24	24	24
VOLVO PENTA	VOLVO PENTA	VOLVO PENTA	VOLVO PENTA	VOLVO PENTA
TAD1355GE	TAD1650GE	TAD1651GE	TWD1652GE	TWD1653GE
355	388	430	505	547
483	528	585	687	744
TA	TA	TA	TA	TA
1500	1500	1500	1500	1500
6 " In line"	6 " In line"	6 " In line"	6 " In line"	6 " In line"
131X158	131X158	144X165	144X165	144X165
12.78	16.12	16.12	16.12	16.12
18.1:1	18.1:1	16.5:1	16.5:1	16.5:1
64.75	68.1	76.3	90.8	103.56
79.8	89.8	97.76	120.8	134.7
30	42	42	42	42
PI CI 4+ 15W 40	API CI 4+ 15W 40	API CI 4+ 15W 40	API CI 4+ 15W 40	API CI 4+ 15W 40
"Electronic/G2"	"Electronic/G2"	"Electronic/G2"	"Electronic/G2"	"Electronic/G2"
24	61	61	75	75
Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer
LSA47.2M7	LSA47.2M7	LSA47.2M7	LSA49.1S4	LSA49.1S4
± 0.5 %	± 0.5 %	± 0.5 %	± 0.5 %	± 0.5 %
94.9	94.9	94.9	94.6	94.6
94.4	94.4	94.4	94.2	94.2

10% over load for 1 Hour after every 12 Hours



DSE - GENERATOR CONTROLLER

- IP65 rating (with optional gasket)
- Control signal for auto transfer between mains (utility) and generator
- Hour 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
- Provision for Remote monitoring & control through GPRS (optional)
- Provision for web monitoring (optional)

Some of the USP of Leypower Diesel generating sets are:

- Compact
- Low operating cost
- Easy availability of spare parts
- Nation-wide service network environment friendly

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 US \$ 3.2 bln in FY 2017-18. Served by its own comprehensive R&D base, complemented by collaborations with globe technology leaders, Ashok Leylands 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 more than 1,25,000 vehicles. Ashok Leyland is also the only Indian auto company with the ISO/TS 16949-2002 corporate

certification. Ashok Leyland is World's first Commercial Vehicle Manufacturer to win prestigious Deming Prize (Outside of Japan).

Ashok Leyland's "LEYPower" ready-to-use diesel generating sets are offered in the range 5 to 650 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 countrywide service dealer network ensures prompt service and spare parts support throughout India.



LEYPower
POWERING YOUR NEEDS



ASHOK LEYLAND
POWER SOLUTIONS BUSINESS

REGIONAL OFFICE

NORTH

Leyland House, Plot No. 76, 4th floor, Institutional Area, Sector 32, Gurgaon -122 001. Ph No. : 0124 - 4629000 / 4264970
mohdowes.siddiqui@ashokleyland.com +91 9891278613

EAST

1st Floor, Chowringhee Court, 55- Chowringhee Road, Kolkatta-700071
Ph No. - 033 - 22831674.
Bidyut.Roy1@ashokleyland.com +91 - 09874489107

WEST

Pride Portal, Ground floor S.N 103, Bahiratwadi
Off Senapatibapat road Shivaji Nagar,Pune-411016
chandrashekhar.shinde@ashokleyland.com +91 9657777559

SOUTH

No. 1, Sardar Patel Road, IV Floor, West Wing, Guindy, Chennai-600 032.
Ph No.: 044 - 2220 6133
abhishek.katoch@ashokleyland.com +91 9958996255

MARKETING DIVISION

No. 1, Sardar Patel Road, IV Floor, West Wing, Guindy, Chennai-600 032
Web: www.powersolutions/ashokleyland.com
Belur.Bharath@ashokleyland.com +91 97402 55881
Abhilekh.mathur@ashokleyland.com +91 97300 75238

Authorised Dealer

Toll Free
1800 2663340
24x7 Customer Assistance Cell