

ABHISHEK POWER SYSTEMS Pioneered in Diesel Generators market as one of the Dealers and carved a niche for itself as the best supplier of User Friendly Diesel Generators.

Drawing from the wealth of knowledge and experience gathered over one and half decade, we have been successfully catering to many esteemed clients of repute with trust, quality and commitment as our foundation.

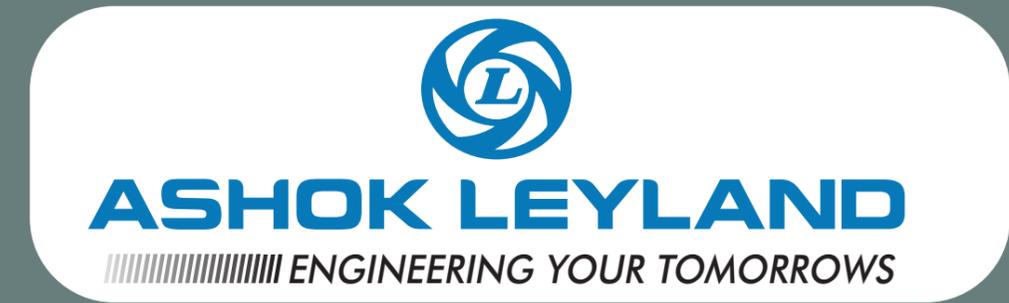
All these years we upgraded our core business in terms of Project & Electrical expertise, Man power development, working close to customer's requirement to meet their need critically etc..

We pioneered in supplying AMF Panels, Auto changeovers, Acoustic Enclosures & Synchronizing Panels suitable for any make of DG sets.

We have achieved a position of leadership in this field by esteemed patronage with versatile clientele.

Our Product Range Also Includes:

- ▶ Acoustic Enclosures (Sound Proof Enclosures)
- ▶ Turn Key Jobs of Installation of Dg Sets
- ▶ Annual Maintenance Contract (AMC)
- ▶ Trolley Mounted DG Sets, AMF Control Panels,



Diesel Generating Sets 10-500KVA



ABHISHEK POWER SYSTEMS

#31-32-81, Flat No. G-11, Rama Krishna Arcade, Opp. Hotel Jupiter,
Dabagardens, Visakhapatnam - 530 020.

Cell: 98480 16910, 92466 71910 Ph: 0891-6633910, 2566621

E-mail: info@abhishepower.com / abhishepower05@yahoo.co.in

www.abhishepower.com



Ashok Leyland Diesel Generating set specifications

ASHOK LEYLAND

Power Rating (kVA)	10	15	*20	20	25	30	30	40/45	50/62.5	75/82.5	100	125	140	160	180	200	250	500
Electric Power (kWe)	8	12	16	16	20	24	24	32 / 36	40 / 50	60 / 66	80	100	112	128	144	160	200	400
Rated Current (amp)	14	21	28	28	35	42	42	56 / 63	70 / 87	105 / 115	139	174	195	222	250	278	348	695
ENGINE																		
Engine model	AL485G1	AL485G1	AL485G1	AL485TG2	AL485TAG3	AL4102G1	ALGPWO4D.E4	ALGPWO4DMK1.E4	AL4DTG3	AL4DTIG2	AL6DTIG1	AL6DTIG2	AL680TAG2	AL680TAG3	AL615TAG2	AL615TAG1	ALGD618.42D	BF8M 1015CPG3
Engine Max HP	24.8	24.8	24.8	31.5	36.9	48.3	46.4	53.5	84.0	109.4	134.0	167.6	197.0	224.3	247.7	277.2	341.0	661.1
Engine Rated HP	23.5	23.5	23.5	29.5	34.9	44.6	42.2	48.7	76.4	103.2	122.0	152.8	179.0	203.8	225.2	252.0	310.0	600.0
Aspiration	Natural	Natural	Natural	T	TA	Natural	Natural	Natural	T	TA	TA	TA	TCI	TCI	TA	TA	TA	TA
No of Cylinders	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6	8
Bore & Stroke	85x92	85x92	85x92	85x92	85x92	102x108	104x118	104x118	104x118	104x118	104x113	104x113	127x146	127x146	126x130	126x130	126x155	132x145
Compression Ratio	18.1	18.1	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	17.5:1	17.5:1	17:1	17:1	17:1	16.5:1
Fuel cons @ 75 % load (Liter /Hr)**	2.0	2.5	3.1	3.4	3.9	5.0	4.8	5.6 / 6.0	7.5 / 9.7	12.8 / 14.2	16.4	17.5	24.0	26.9	29.8	31.6	39.9	70.0
Fuel tank capacity (liter)	65	65	65	65	75	80	80	100	100	150	200	200	250	250	350	350	350	650
Lub oil Sump capacity (Liter)	8.5	8.5	8.5	8.5	8.5	8.5	7.5	7.5	7.5	7.5	12.0	16.0	17.0	19.0	27.0	27.0	27.0	45.0
Governing class	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	Electronic A1	Electronic A1	Mechanical A1	Mechanical A1	Electronic A1	Electronic A1	Electronic A1	Electronic A1
System (DC) voltage	12	12	12	12	12	12	12	12	12	12	24	24	24	24	24	24	24	24
Exhaust Pipe Line dia(in mm.)	50	50	50	50	50	50	50	65	65	75	75	100	100	100	125	125	125	2Lx125
Battery capacity (AH)	99	99	99	99	99	99	120	120	120	120	150	150	150	150	150	150	150	150
Weight (DG set - Kg)	790	810	900	900	955	1050	1100	1225	2000	2050	2200	2300	3250	3350	3400	3400	3500	5300
DG Size (without silencer) mm	1760x900x1490	1760x900x1490	1760x900x1490	2100x950x1600	2100x950x1600	2150x1050x1670	2575x1100x1525	2575x1100x1525	3100x1200x1630	3300x1300x1700	4000x1260x1910	4000x1260x1910	4300x1500x2000	4300x1500x2000	4500x1500x2000	4500x1500x2000	4700x1600x2050	5500x2000x2235
ALTERNATOR Kirloskar / Crompton Greaves / Stamford / ABG Brushless with Single Bearing.																		
Voltage (V)	415	415	415	415	415	415	415	415	415	415	415	415	415	415	415	415	415	415
No of Phase*	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Power Factor	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Speed (rpm) Frequency (Hz)	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50
Voltage Regulation	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%
Enclosure	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT	SPDT
Insulation Class	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
3 1/2 core, Al. Armored Cable	16	16	25	25	25	35	35	50	70	95	120	150	185	240	240	2Rx95	2Rx150	3Rx240

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

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

Reference condition: 27 Deg C ambient temp , 100 KPA (750 mm 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 reserves the right to revise the specification or dimension without prior notice

* Standby ratings at 80% load only

** Fuel Consumption of genset at 75% of load is considering specific gravity of fuel as 0.8355 at NTP condition; tolerance will be ±5%

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

Power Source

- ASHOK LEYLAND gensets meet the latest CPCB emission norms, are environment friendly and are 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.
- The standard scope of supply includes a powerpack unit comprising of radiator mounted with standard control panel

RTU (Ready-to-use) Genset

- Powered by Ashok Leyland engine coupled with single bearing brush less alternator
- Equipped with standard safety features like Low Lube Oil Pressure (LLOP), High Water Temperature (HWT) and Emergency Stop
- Standard manual Control Panel (Visible from glass window)
- Residential silencer, Suitable battery with cable, inbuilt diesel tank

Acoustic Enclosures

- Manufactured with CNC mahines for precision finish and high quality
- Power coated with eco-freindly chemicaly for long lasting weather-proofing
- Approved by CPCB



AMF Control Panel

- Consists of a microprocessor based AMF control unit, which can operate on auto or 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 includes, Load on mains, Load on DG, Mains Healthy, DG On, auto and manual mode
- The control panel consists of a multi function meter which displays AC current/Voltage, frequency, Power factor, Kilowatt and Kilowatt Hour

NATION-WIDE SERVICE NETWORK FOR PROMPT RESPONSE