



 **ASHOK LEYLAND**
Koi Manzil Door Nahin



ECOGEN GENERATORS INDIA PRIVATE LIMITED

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DIESEL GENERATOR MODEL	UNIT	EG5D	EG10/15/20D	EG25D	EG30D	EG40D	EG45D	EG62.5D	EG82.5D	EG100D	EG125D	EG160D	EG200D	EG250D
Power rating*	kVA	5	10 / 15 / 20	25	30	40	45	62.5	83	100	125	160	200	250
Electric power	kWe	4	08 / 12 / 16	20	24	32	36	50	66	80	100	128	160	200
Rated current	Amp	20.85	21 / 28	35	42	56	63	87	115	139	174	224	280	350
Diesel generator size	Length	970	1750	2000	2000	2500	2500	2800	2800	3300	3300	3900	4700	4700
	Width	580	900	900	950	1100	1100	1200	1200	1250	1250	1350	1600	1600
Height (including base)	mm	790	1510	1740	1740	1760	1760	1790	1790	1975	1975	2180	2700	2700
Diesel generator weight approx.	Kg	200	650	750	750	1086	1086	1350	1417	1876	1876	2188	4500	4500
Fuel tank capacity	litres	12	55	55	55	100	100	100	100	180	180	200	300	300
Battery capacity	Amp	35	90	90	90	90	90	90	90	90	90	105	105	105
System DC voltage	Volt	12	12	12	12	12	12	12	12	12	12	12	24	24
Engine model		AL418DG 1	AL2CDG1	AL2CTIDG2	AL2CTIDG1	AL4CTIDG1/G6	AL4CTIDG1/G6	AL4CTIDG2/G5	AL4CTIDG3	AL6DTIDG1	AL6DTIDG6	AL6DTIDG4	AL8NTIDG6	AL8NTIDG6
Engine rated kW / engine rated HP	kW/HP	5.5/7.5	15.6/21	25.2/34.2	28.4/38.6	39 / 52.29	39 / 52.29	59 / 79.09	78 / 104.59	94/126.05	116/155.5	147/197.13	223/ 299	223/ 299
Aspiration		NA	NA	TC AC	TC AC	TA	TA	TA	TA	TA	TA	TA	TA	TA
No. of cylinders and configuration		Single, Vertical	2, In-line	2, In-line	3, In-line	4, In-line	4, In-line	4, In-line	4, In-line	6, In-line	6, In-line	6, In-line	6, In-line	6, In-line
Bore x stroke	mm/W	86 x 72	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	112 x 135	112 x 135
Displacement	litres	0.418	1.915	1.915	1.915	3.840	3.840	3.840	3.840	5.76	5.76	5.76	7.980	7.980
Compression ratio		20 ± 0.5 : 1	17.5 ± 0.5 : 1	16.5 ± 0.5 : 1	17.51 ± 0.5 : 1	17.51 ± 0.5 : 1	17.51 ± 0.5 : 1	16.5 ± 0.5 : 1	16.5 ± 0.5 : 1	16.5 ± 0.5 : 1	16.5 ± 0.5 : 1	16.5 ± 0.5 : 1	17.5 ± 0.5 : 1	17.5 ± 0.5 : 1
Fuel consumption***	litre/hr	1.5	3.0	4.0	6.1	7.5	7.5	12.5	13.6	17.5	21.6	27.9	40.3	40.3
Lube oil capacity approx.	litres	1.65	6	6	6	8.5	8.5	8.5	11	17.5	17.5	17.5	25.0	25.0
Coolant capacity approx.	litres	Air Cooled	10	12	13	13	13	13.5	15.5	20	20	25	41	41
Governing class		A1	A1	A0	A0	A0	A0	A1	A0	A0	A0	A0	A0	A0
Governer used		Mechanical	Mechanical	Electronic	Electronic	Electronic	Electronic	Mechanical	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Oil change period		200 Hrs or six Months****												500 hrs or six months
Lube oil specification														
Alternator		230 V**												

ECOGEN GENERATORS INDIA PVT LTD

Established in the field of Power Generation through its engine under the brand name Ashok Leyland that are propelling with CPCB Type approved Diesel Generating Sets from 5 KVA to 250 KVA in Entire Telangana, Pan India Corporate & known for its fuel efficiency and quick customer response is trusted by Hospital, IT Telecom & Retail customers.

TECHNICAL SPECIFICATIONS OF SILENT DG SETS:

ENGINE: ASHOK LEYLAND

Liquid cooled Diesel Engines of Naturally Aspired/Turbo charged/Turbo Charged Inter Cooled/Turbo Charge After Cooled conforming to as per BS 5514/ISO 3046, ISO 8528 Air cleaner, Diesel Filter, Oil Filter, Exhaust Manifold & fully integrated power systems comprising of SEDEMAC Genset Controller with fail safe tripping system against faults such as HWT and LLOP etc.,

- Low Emission, High Efficiency Engines
- Reliable, Compact, Robust and Rugged Design
- 600 Hours or one Year Lube Oil Change period

ALTERNATOR: Leroy Somer / Crompton / Stamford

220 V – 1 PH (Up to 30KVA)/415V – 3Ph, 0.8 p. f. 50 H, Screen Protected drip proof, Self-Excited, Self-regulated, Continuous duty, IP23 enclosure conforming to IS 13364, IEC 60034-1.

- Best in Class Efficiency
- Special Windings to Reduce Harmonics
- Vacuum Pressure Impregnation and epoxy gel coating on the winding

CANOPY:

The Enclosure is fabricated with 18 / 16 / 14 SWG CRCA Steel Sheet and will be fixed on heavy duty MS / CRCA base frame of the acoustic enclosure. Adequate number of doors is provided for ease of maintenance of the Genset. The enclosure shall be self-supporting and is integral part of DG Set. Sound proofing of the container inner part is filled with POLY URETHANE Foam (30 / 40 / 50 mm thickness of 64 Kg per Cu. Mt. density) which is selected to give optimum result for sound observation and is Fire Retardant.

CONTROL PANEL:

Inbuilt / stand-alone Standard Control Panels for DG Sets along with Digital Controller having KW, KWH, Volts, Amps, & Frequency with selecting options up to 30Kva (Single Phase) having MCB upto 40 kVA and MCCB up to 250Kva.

- Microprocessor based & Graphical LCD display
- Best in class monitoring and diagnostic Capability
- Integrated with AMF, synchronization & communication configurations.

SALES NETWORK:

ECOGEN well trained network of authorized Dealers and sales teams spread across India to serve your requirements. Sales teams are equipped to carry out knowledge on Load study, Genset sizing and Techno-commercial support.

- ECOGEN offices at key locations provide further techno-commercial back up.
- Installation and Commissioning activities are also undertaken in line with Ashok Leyland stringent guidelines.

SERVICE NETWORK:

Ashok Leyland supported by trained Engineers and well equipped service outlets throughout India, offers standard and custom-made maintenance packages & service response time and quality monitored for cross-industry bench marking and continual improvement.

- Customers just need to dial Ashok Leyland Toll free 18002663340 and service will be available at the door step.
 - Oil change interval 600 hrs or 1Year once. 10-250 Kva DG Set carries 2years or 5000 running hours from the date of billing, whichever is earlier & 5 Kva DG Set carries 1 year or 5000 running hours from the date billing, whichever is earlier.
 - Lube oil specification Gulf LEYPOWER XLL Diesel Engine Oil
- ACCESSORIES:**
- Integral Fuel Tank with necessary fitting, Diesel level indicator, Batteries (EXIDE) with leads, Residential Exhaust Silencer, Anti-vibration Mounts etc.,
- Some of the USPs of ECOGEN DG Sets are**
- Single point contact for Sales – Service support.
 - Two Years warranty on entire package.
 - Low operating Cost & Compact in Size.
 - Rugged and Suitable for Continuous daily application.
 - Easy availability of spares and superior after sales support.

600 hrs or one year

Gulf LEYPOWER XLL Diesel Engine Oil

Brushless, single bearing, IP23, class H insulated , 50 Hz, voltage regulation ± 0.5%, 0.8PF lag



GENERATOR SET MODELS	5 KVA MLT TROLLY	
SPECIFICATION OF DG SET	ENGINE MAKE	ASHOK LEYLAND
	ENGINE MODEL	AL418DG1
	KVA	5
	KW	4
	BHP	7.5
	P.F	0.8
	NO OF CYLINDERS	1, VERTICAL
	RPM	3000
	FUEL TYPE	DIESEL
	FUEL CONSUMPTION	1.25 LTR/HR
	PHASE	SINGLE PHASE
CURRENT	20.85	
VOLTAGE	230V – 50HZ	
NOISE LEVEL	BELOW 75dB	
ACCOUSTIC ENCLOSURE DETAILS	CANOPY SIZE	
	LENGTH	970 MM
	WIDTH	580 MM
	HEIGHT	790 MM
	FUEL TANK	20 LTRS
TROLLY DETAILS	SIZE	
	LENGTH	1700 + 885
	WIDTH	700
	HEIGHT	700
	TOWER HEIGHT	9000
	TOTAL TOWER LIGHT FROM GROUND LEVEL	9350
	TROLLY WHEELS	Two Wheels
	LIGTHING DETAILS	
NO OF LIGHTS	4 NOS	
LIGHTS TYPE	LED	
WATTS	200 EACH	
AREA COVER	40 FEET	

MOBILE LIGHTING TOWER

This new light tower offers low operational costs and reduced noise levels while increasing illumination coverage. It is ideal to use in tough environments, such as applications in construction, mining, and rental companies.

This range of light towers is perfect for multiple drop rental applications and providing users a robust and easy-to-transport set of lighting options that match any site requirements. Thanks to its compact dimensions. The extended safety features also guarantee the protection of bulbs during transportation.

Environmental considerations have also been taken into account, with a frame design that prevents oil, fluids and fuel from leaking out and contaminating the ground.

The light tower is environmentally friendly and virtually maintenance-free. Supplied with a special lighting optic, covered by an integrated polyethylene housing, you can be assured of no burn out and a longer lifetime. In addition, great performance comes from the unique floodlight that spreads light.

- ❖ Wide range of capacities.
- ❖ Accessible at ground level. It can be easily inspected and maintained
- ❖ Ease of installation and maintenance
- ❖ Unmatched cost-to-performance ratio
- ❖ Excellent operational reliability and safety.
- ❖ Compact design consuming very little space.
- ❖ Ease of transportation.
- ❖ Durable for both long and short term usage.

OUR PRESTIGIOUS CLIENTS



KNR Constructions Limited



ASHOK LEYLAND
HELPLINE

1800-266-3340