

Salient features



Robust, compact and fuel efficient



Operate continually @ 100% load, 24 x 7



Failsafe alarm and trip system to safeguard the engine



Nationwide service network

RAMP diesel generating sets are powered by rugged Ashok Leyland range of Engines.

With state-of-the-art technology for input aggregates like engines, alternators, controllers and acoustic enclosures, RAMP provides a fully integrated power system, meeting global standards and at a very competitive overall cost of ownership.

RAMP ready-to-use diesel generating sets meet with the latest Central Pollution Control Board CPCB II norms in India and are geared to comfortably meet equivalent TIER II international norms.

The compact, aesthetically designed silent diesel generating sets provided with acoustic enclosures are powered by the compact 4 and 6 cylinder Ashok Leyland engines and are environment-friendly and low on maintenance cost.

Ideal choice for industry, hotels /restaurants, shopping malls, cinematheaters, clinics / hospitals, educational

institutions, residential etc. Apart from the above offerings, Ashok Leyland also caters to the requirements of the industrial, as well as the marine segment with significant presence.

Ashok Leyland Service and spare parts support

Market support is provided by qualified and skilled Ashok Leyland Service dealers and are backed by Ashok Leyland's Service Engineers spread across the country. In addition to warranty free services, offerings include Annual Maintenance Contracts to maintain your sets trouble free, round-the-clock. LEYPARTS are easily available to cater to your parts requirements through dealer and other outlets.

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



RAMP[®]
RAMP TECHNOMATION
PRIVATE LIMITED

(An authorised OEM for Ashok Leyland Gensets)

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ASHOK LEYLAND
POWER SOLUTIONS



RAMP DIESEL GENERATORS. 5 kVA to 2250 kVA

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



RAMP DIESEL GENERATING SET SPECIFICATIONS

DG MODEL	Unit	LP 5 D	LP10 / 15D	LP20D / LP25D	LP30D	LP35D/LP40D	LP35D1/LP40D1	LP 50 / 62.5D	LP62.5D1	LP75D/LP 82.5D	LP100D	LP125D	LP160D	LP250D	
Power Rating*	kVA	5	10/ 15	20 / 25	30	35/40	35/40	50 / 62.5	62.5	75/82.5	100	125	160	250	
Electric Power	kWe	4	8 /12	16 / 20	24	28/32	28/32	40 / 50	50	60/66	80	100	128	200	
Rated Current	Amp	21.7 **	14 / 20.87	27.8/34.75	41.74	48.69/55.65	48.69/55.65	69.56 / 86.95	86.95	104.34/114.78	139.12	173.91	222.6	348	
DG Size L	mm	1050	1750	2000	2000	2500	2500	2800	2800	2800	3300	3300	3900	4700	
W	mm	580	900	950	950	1100	1100	1200	1200	1200	1250	1250	1350	1600	
H (Including Base)	mm	900	1290	1420	1420	1380	1380	1400	1400	1400	1565	1565	1700	2020	
DG Weight approx.	Kg	290	676	723	744	1086	1075	1350	1350	1417	1876	1876	2188	4500	
Fuel Tank Capacity	Liters	12	75	75	75	140	140	140	140	190	200	200	250	340	
Battery Capacity	AH	35	90	90	90	90	90	90	90	90	90	90	105	105	
System DC Voltage	Volt	12	12	12	12	12	12	12	12	12	12	12	12	24	
Engine Model		AL418DG1	AL485G1	AL485TADG3	AL485TADG4	AL4CTDG1	AL4DG1	AL4CTIDG2	AL4CTIDG5	AL4CTIDG3	AL6DTIDG1	AL6DTIDG2	AL6DTIDG4	AL8NTIDG6	
Engine Rated kW/ Engine Rated HP	kW/HP	5.5/7.5	17.5/23.45	25/33.5	28/37.54	39/52.29	39/52.28	59/79.12	59/79.09	78/104.59	94/126.05	116/155.5	147/197.13	223/299	
Aspiration		NA	NA	TA	TA	T	NA	TA	TA	TA	TA	TA	TA	TA	
No. of cylinders & configuration		Single, Vertical	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	6, In line	
Bore x Stroke	mm	86 x 72	85 x 92	85 x 92	85 x 92	104 x 113	104 x 118	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	104 x 113	112 x 135	
Displacement	Liters	0.418	2.088	2.088	2.088	3.84	4	3.84	3.84	3.84	5.76	5.76	5.76	7.98	
Compression ratio		20:01	18.0 ± 0.5 : 1	17.5 ± 0.5 : 1	17.5 ± 0.5 : 1	17.5 ± 0.5 : 1	17.5 ± 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	16.5 ± 0.5 : 1	17.5 ± 0.5 : 1	
Fule Consumption***	Lit/Hr	1.5	2.35 / 2.95	4.8	6	7.5	8	9.1 / 11.3	12.5	13.6	17.5	21.6	27.9	40.3	
Lube Oil Capacity approx.	Liters	1.65	8.5	8.5	8.5	8.5	8.5	8.5	8.5	11	17.5	17.5	17.5	25	
Coolant Capacity approx.	Liters	Air Cooled	6	9	9	13	13	13.5	13.5	15.5	20	20	25	41	
Governing Class		A1	A0/A1	A0/A1	A0/A1	A0	A0	A0	A1	A0	A0	A0	A0	A0	
Governer Used		Mechanical	Electronic/ Mechanical	Electronic/ Mechanical	Electronic/ Mechanical	Electronic	Electronic	Electronic	Mechanical	Electronic	Electronic	Electronic	Electronic	Electronic	
Oil Change Period		200 Hrs or 6 Month					600 Hrs or 1 year					250 Hrs or 1 year			
Lube Oil specification		SAE 15W40 API CI4 Plus (Gulf super fleet LE Dura MAX)													
Alternator		230 V**		Brushless, Single Bearing, IP23, Class H Insulated, 50 Hz, Voltage Regulation ± 0.5%, 0.8PF Lag											

* Power Rating- As per BS 5514/ ISO 3046/ ISO 8528 under standard reference conditions.

** Rated current for 5 kVA single phase, the alternator for 5 kVA is brush with AVR, 230 V, IP23, Class H Insulated, 50 Hz, 0.8 PF lag. Warranty period for 5 kVA DG set will be 1500 running hours or 1 year whichever due earlier.

*** Fuel consumption for genset @ 75% of load in considered, specific gravity of fuel as 0.8355 at NTP condition, tolerance will be +5%.

Entire range is three phase except 5 kVA. Further single phase option is available from 10 kVA to 45 kVA. From 10 kVA to 35 kVA DG set, GSU-90SDX controller is used in DG manual control panel.



Ashok Leyland, RAMP ready to use DG sets are offered in full range from 5 kVA-2250 kVA. The aesthetically designed silent DG sets meet with latest CPCB emission norms and are offered from various manufacturing locations. RAMP 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 RAMP 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

AMFcontrolpanel(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, DGON, Auto & Manual mode
- The control panel consists of a multi function meter which displays AC Current/Voltage, Frequency, Power Factor, Kilo watt Hour. The generator set can also be supplied with a standard control panel to operate in manual mode



1202 / 1203 Generator Controller

- Reads all genset inputs and controls the genset
- Controls the engine speed (Speed governing)
- Supports Auto-Mains-Failure (AMF) functions for 1-Ph and 3-Ph genset
- Supports Manual-control-Panel (MCP) functions for 1-Ph and 3-Ph genset
- Measures genset voltages & currents
- Measures mains supply voltages & currents
- Measures electrical parameters like Frequency, Power factor, Genset Power
- Monitors critical engine safety parameters
- Starts and Stops the genset
- Have counters for genset starts and stops, run hours, kWh, power factor