







S.NO	DG MODEL → TECHNICAL PARAMETERS↓	UNIT	MP 15	MP 20	MP 25	MP 30	MP 40	MP 45	MP 50	MP 60	MP 82.5	MP 100	MP 125	MP 160	MP 180	MP 200	MP 250
1	Power Rating*	KVA	15	20	25	30	35/40	45	50	09	82.5	100	125	160	180	200	250
2	Electric Power	KWE	12	16	20	24	28/32	36	40	48	99	80	100	128	144	160	200
33	Rated Current	A	20.85	27.8	34.75	41.7	48.6 / 55.6	62.55	69.5	83.4	114.6	139	173.75	222.4	250.2	278	347.5
4	DG Length	MM	1750	1900	2000	2000	2500	2500	2500	2700	2850	2850	3100	3600	3800	4700	4700
5	DG Breadth	MM	006	006	096	950	1200	1200	1200	1200	1300	1300	1300	1400	1400	1600	1600
9	Height (Including Base)	MM	1210	1300	1360	1360	1450	1450	1500	1510	1610	1610	1610	1750	1710	2020	2020
7	DG Weight approx.	KG	9/9	002	750	750	1090	1100	1100	1380	1417	1900	2050	2210	2280	4500	4500
80	Fuel Tank Capacity	ı	92	55	09	09	140	140	140	140	190	200	200	250	250	340	340
6	Battery Capacity	AH	06	06	06	06	06	06	06	06	06	06	06	110	110	110	110
10	System DC Voltage	>	12	12	12	12	12	12	12	12	12	12	12	12	12	24	24
F	Engine Model		H2G4DM15	HZG4DM20	P15G4DE25	P15G4DE30	H4G4DE40	H4G4DE45	H4G4DE45	H4G4DE60	H4G4DE82	H4G4DE100	H6G4DE125	H6G4DE160	H6G4DE180	A6G4DE200	A6G4DE250
12	Engine Rating	KW/HP	14.6 / 19.5	18 / 24	25/33.3	28/37	39 / 52	42.5 / 56.5	42.5 / 56.5	54172	78 / 104	92 / 122	116 / 154	147 / 197	165 / 220	178 / 237	223 / 303
13	Aspiration		NA	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC
14	No. Of Cylinders & Configuration		2 Lines	2 Lines	3 Lines	3 Lines	4 Lines	4 Lines	4 Lines	4 Lines	4 Lines	4 Lines	6 Lines	6 Lines	6 Lines	6 Lines	6 Lines
15	Bore x Stroke	MM/MM	104 x 118	104 × 118	86 × 08	80 × 98	104 x 113	104 x 113	104 x 113	104 x 113	104 x 118	104 × 118	104 x 118	104 x 118	104 x 118	112 x 135	112 x 135
16	Displacement	٦	2	2	1.5	1.5	3.84	3.84	3.84	3.84	4	4	9	9	9	7.98	7.98
17	Compression Ratio		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	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	16.5 ± 0.5:1	17.5 ± 0.5:1	17.5 ± 0.5:1
18	Fuel Consumption @75%	Ltr/Hour	3.34	4.0	4.89	5.6	7.4017.71	8.4	9.6	10.16	14.6	17.02	21.72	27.76	30.01	32.0	39.04
19	Lube Oil Capacity Approx	ı	6.5	9	4.5	4.5	12	12	12	12	12	12	18	18	18	28	28
20	Coolant Capacity Approx	٦	10	11	11	10.5	13	13	13	14	18	20	22	24	54	99	55
21	Governing Class	*	A1	A1	A0	0V	A0	A0	A0	A0	A0	A0	A0	0V	A0	A0	A0
22	Governor Used	*	Mechanical	Mechanical	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
23	Exhaust Type	*	EGR	EGR	EGR	EGR	EGR	EGR	EGR	EGR	EGR	EGR+DOC	EGR+DOC	EGR+DOC	EGR+DOC	EGR+DOC	EGR+DOC
24	Oil Change period		600 Hours or 1 year	or 1 year	500 Hours	500 Hours or 1 year						700 Hours or 1 year	1 year				
25	Lube oil specification	*								Gulf Leypower XLE	XLE						
26	Generator Controller		99	GC 902							GC 1206	6					
	*Power rating - As per BS 5514/ISO/3046/ISO 8528 Under standard reference condition	/3046/ISO 85.	28 Under standar	d reference condi	tion												

*Fuel consumption for Generator @75% of load is considered, specific gravity of fuel as 0.8355 at NTP condition, tolerance will be ±5%

THE MARK ADVANTAGE

- To offering you many years of trouble-free ownership and performance. We at Mark Potentia has carefully selected those technologies which are not fully retain, but also enhance genset durability and onsite serviceability.
- We Meet the electric power needs of our customers with innovative, reliable, power solutions at affordable price for various industries
- With a quality and service network, we reach all remote corners across TamilNadu and Kerala. Our quality and robust design and product reliability makes us a preferred partner
- Our 24/7 Supply chain team ensures on time delivery, which in turn helps to provide maximum satisfaction to customers
- Reliable, Robust and Rugged design suitable for arduous environment

STANDARD DG PANEL

- The Generator set supplied with a standard Control Panel to operate in manual mode which consists of Engine controller, MCCB/MCB, Energy Meter (KWH) with sealing facilities, Multifunction meter which displays AC current/Voltage and frequency
- Poly carbonate CT and Earth Leakage Relay (ELR) with neutral CT for ranges from 100KVA and above as per the respective electrical insulation guidelines and norms

AUTO PANEL (Optional)

- The DG Set can also be supplied with Auto Panel to operate in manual as well as auto mode enabling the DG Set to switch ON/OFF automatically based on EB/Mains Supply
- Auto panel is supplied in standard panel configuration with Battery Charger, Control Panel and set of MCBs

AMF PANEL (Optional)

- APLC 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
- The specific indication includes various conditions of operations such as DG ON, Load on DG, Load on Mains and healthiness of mains 3-Phase
- Our Genset can also be provided with remote, auto and GSM

CANOPY

- Ashok Leyland approved design, Warrantee free canopy which works for a life time without any maintenance
- Comply with the latest CPCB IV+ emission standards
- Low noise level 75dB @ 1 meter distance under free field conditions, certified by National Aerospace Laboratories, Bangalore (NAL)
- Manufactured with high quality CRCA Sheet
- Best in class German Engineered CNC Laser & CNC Press Break for precision finish
- Ergonomically designed, Robust, ease of access and serviceability.
- Pure Polyester powder coating with 7 tank process ensures maximum corrosion and UV protection
- Water and Dust resistant, glossy finish

CONTROLLER

- PLC based Genset controller displays a host of Genset parameters and put all controls at your fingertips
- LCD Display with Best-in-class monitoring and diagnostic capability
- Integrable with AMF & GSM
- Configurable PLC based on your requirement.
- Engine safety indication with tripping Low lube oil pressure (LLOP), High Water Temperature (HWT), Low Fuel Level (LFL), Over Load, Unbalanced Load and under / Overspeed alternator safety indications and tripping Overload, Under/Over Voltage, Unbalanced load current
- Alternator Parameters displayed Voltage, Load, KW, Total KW, KVA, Total KWH, KVAR & PF etc.

ENGINE

- Ashok Leyland Engines have clocked millions of hours, Operating in some of India's most demanding conditions
- Reliable, Rugged and Robust Engines with Best-in-Class Fuel efficiency and longest oil change interval
- Low-cost spares, largest service network & Trouble-free maintenance ensures maximum happiness for customers.
- The Sturdy 2,3,4 & 6 cylinder, in-line, Liquid cooled, four stroke range of Ashok Leyland Diesel engine yield continuous power, enabling the generator to run round the clock
- Higher engine capacity leads to a robust and stable Genset performance
- · Respond quickly & positively to block load additions
- High Block-Loading capacity enables to handle variable loads thus ensuring maximum efficacy
- Seamless Power for countless hours



ALTERNATOR

- We provide Diesel Generator with High Standard Brushless Alternator for all variants for 82.5 KVA to 250 KVA as per Ashok Leyland recommendation
- Self-Excited and self-regulated
- Class 'H' insulation, IP/23 Class Protection
- Salient pole revolving field
- Single Bearing
- Automatic Voltage Regulator (AVR)
- Accessories PMG, QDCT, EBS, Space Heater, Remote Voltage Trimmer

















Manufactured & Marketed By:

Mark Potentia Private Limited

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Channel Partner

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