

UNINTERRUPTED POWER SUPPLY ENVIRONMENT FRIENDLY



Winner of

007
FROST & SULLIVAN

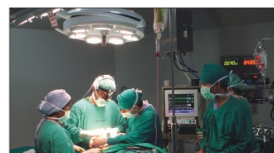
Mahindra Genset Industry Excellence Awards



About Us

Mahindra & Mahindra Ltd. has entered the field of Power Generation in 2001. Today M&M engines under the brand name Mahindra Powerol are powering Diesel generating sets up to a rating of 320 KVA.

Mahindra Powerol has set new trends in the Indian Telecom industry by assuming total ownership for the entire value chain of mobile operators and is in high demand from the governmental and institutional markets. With its strong service support of over 140 exclusive service stations Mahindra Powerol



is the most preferred brand in telecom segment today.

Mahindra Powerol DG sets are also sold through branded showroom for retail customers across the country. Mahindra Powerol introduced retail finance for purchase of DG sets, the first time that organized retail finance is being offered for this range of DG sets.

Mahindra Powerol DG sets are approved by CPCB (Central Pollution Control Board) for Noise and Emission levels and are environment friendly.

No-Compromise technology

- Most fuel efficient in its class
- Zero-leak engines
- A 1 Class Governing
- Low maintenance cost
- Low vibration level.

Powerol Gensets

Performance unmatched

Its got one of the most preferred engines fitted inside the Mahindra Powerol Genset. Compact and low on vibration, this engine has the smallest footprint as compared to other engines of identical ratings making the DG set apt even for roof-mountings.

Silence certified

Each and every Powerol DG sets complies with the most stringent noise and emission norms stipulated by the Central Pollution Control Board of India (CPCB).

Generates peace of mind

Its recovery time, easily the best in its category, guarantees a seamless switch over to the back-up power moreover, its effective governing system controls the voltage fluctuation, thus ensuring complete safety of your equipments.

MAHINDRA POWEROL GENSETS (5-82.5 KVA)

5 KVA to 75 KVA - Technical Details

Parameters	Unit	15LD440	1125 GR	2185 GM	3255 GM	3305 GM	4335 GM	4375 GM	4445TC GM	4575 TCI GM	4725 GM	4905 GM	41035 GM	
		5 KVA	7.5 KVA	12.5 / 15 KVA	15 / 20 KVA	20 KVA	25 KVA	30 KVA	35 KVA	40 / 45 KVA	50 KVA	62.5 KVA	75/82.5 KVA	
Gross Power -(110%)	bhp	9	11	18	25	30	33	37	44	57	72	90	103	
Speed	rpm	3000	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	
Cooling System		Air cooled		Liquid Cooled with Radiator										
Aspiration		Natural	Natural	Natural	Natural	Natural	Natural	Natural	Turbo	Turbo A/C	Turbo A/C	Turbo A/C	Turbo A/C	
No. of cylinders		1	1	2	3	3	4	4	4	4	4	4	4	
Displacement	cc	442	864	1365	1895	2048	2527	2730	2731	2731	3192	3532	3532	
Governing Class		A2	A2	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	
Starting System		12 V DC												
Type		Brushless, Single / Three Phase, Class H Insulaiton												
Voltage	volts	230	230	415 / 230	415 / 230	415 / 230	415 / 230	415 / 230	415 / 230	415 / 230	415	415	415	
Speed / Frequency	rpm/hertz	3000/50	3000/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	1500/50	
CONTROL PANEL		AMF / Manual control panel - as per specific requirement / application												
FUEL TANK	Capacity	litres	Suitable for minimum 12 hours of running											
BATTERY	Capacity	Ah	35	As per Standard Fitment										
ACOUSTIC ENCLOSURE	Length	mm	1100	1830	2150	2150	2150	2500	2500	2500	2500	2720	2800	2900
	Width	mm	850	900	1030	1030	1030	1030	1030	1030	1030	1030	1150	1150
	Height	mm	895	1200	1239	1239	1239	1400	1400	1400	1400	1400	1450	1450
DG SET	Weight (approx)	kgs.	-	650	800	850	900	950	1000	1100	1150	1400	1400	1500

MAHINDRA POWEROL GENSETS (82.5-320 KVA)



Technical Details								
Generator Set Specifications								
	82.5/85kVA	100kVA	125kVA	140kVA	160kVA	200kVA	250kVA	320kVA
Prime Power Rating** , kVA	82.5/85	100	125	140	160	200	250	320
Current, Amperes	118	139	174	195	223	278	348	445
No. of Phases	3							
Power Factor	0.8							
Canopy								
Length, mm	3210	3605	4000	3805	3905	3905	5000	5000
Width, mm	1210	1210	1200	1600	1600	1600	1900	1900
Height, mm	1785	1785	1640	1985	1985	1985	2800	2800

**Rating as per ISO 8528-1:2005 (E), Provision of 10% over loading is applicable as per ISO 8528-1:2005(E)

Engine Specifications								
Engine Model	41225 GC	61375 GM	61695 GM	61985 GC	62205 GC	62805 GC	63455 GC	64205 GC
Rated Power (100%), HP (kW)	111	125	154	179 (132)	198 (146)	253 (186)	313	381
Overload Power (110%), HP (kW)	122	137	169	198 (146)	219 (161)	278 (205)	344	419
Aspiration	TCA	TCI		Turbocharged, After cooled				
Cooling System	Liquid Cooled with Radiator							
Starting System	24V,Electrical	12V, Electrical			24V,Electrical			
Governing Class (As per IS10000)	A1,Electronic							
No. of Cylinders	4	6	6	6	6	6	6	6
Bore x Stroke, mm	114 x 130	96x135	96x135	114 x 135	114 x 135	114 x 144	135 x 150	135 x 150
Displacement, litres	5.3	5.86	5.86	8.27	8.27	8.9	12.88	12.88
Compression Ratio	17.3:1	17:01	17:01	18.1	18.1	18.1	17:01	17:01
Fuel	HSD							
Lube Oil Specifications	CF4 SAE15W40							
Lube Oil Sump Capacity, litres	15	18.5	18.5	19	19	19	34.4	34.4
Total Coolant Capacity, liters	24.5	16.6	16.6	26.2	26.2	26.2	32	42
Battery Capacity, Ah	150	140	140	180	180	180	180	180

Alternator Specifications*	
Type	Brushless, Three Phase
Voltage	415
Rpm/Frequency, Hz	1500/50
Voltage Regulation	± 1%
Enclosure	IP23
Class of Insulation	Class H

*Note : for detailed specifications, please refer to the manufacturers leaflet

Note : In view of our policy of continuously improving our products, we reserve the right to alter specifications or designs without prior notice and without liability. Illustrations do not necessarily show the product in its standard form



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