75 Mahindra Rise.

powerol by Mahindra

A STEP AHEAD OF YOUR POWER NEEDS

10 kVA to 200 kVA Gensets

Mahindra Powerol Diesel Gensets

About Powerol

In 2001, Mahindra and Mahindra entered into the field of power generation through its engines under the brand name Mahindra Powerol that are propelling Diesel Generating Sets from 5 kVA to 500 kVA. Mahindra Powerol, known for its fuel efficiency and quick customer response is trusted by telecom & retail customers.

Within short span of time, Mahindra Powerol has garnered immense customer trust which shows its level of commitment and customer centric approach. Presently, its more than 400,000 gensets are powering different industries and applications in Indian and overseas market. Mahindra Powerol through its technology & service has taken deep stride in the engine and DG set industry. In a little over a decade, it has also expanded its footprint in South East Asia, Middle East and Africa.

Awards & Recognition

Super Brand Award

Japan's Deming Prize for TQM

Most Preferred Genset Brand in Telecom Segment

World Class Manufacturing

Mahindra engines are manufactured at the state-of-the art facilities located in Chakan near Pune & Nagpur.
These manufacturing facilities are equipped with:

- Fully automated, controlled environment engine assembly
- Conforms to latest certifications and quality standards
- Quality control systems to maintain highest level of engine quality standards

Sales & Service Network

- Over 400 sales & service touch points across India
- Wide and efficient network to serve you faster and better

Peace of mind service

Powerol sales & service touch points are available across the length & breadth of our country to provide Installation, Commissioning and after sales support. Over 2000 trained technicians are available at these centres for providing doorstep service. All the outlets are well equipped with the necessary spares. So wherever you are, we are always near to you.

Support is just a call away

Our customer care centre is equipped with the latest software for monitoring & time bound escalation till closure of the complaints. To make it simpler for our customers, a common Toll free no. is available for both sales and service support.

Technical Specifications:

Genset Rating (kVA)	10	15	15	20	22.5	25	30	30	40	50
Duty (Stand by / Prime)	Prime	Stand By	Prime	Stand By	Prime	Prime	Stand By	Prime	Prime	Prime
Power Rating (kW)	8	12	12	16	18	20	20	24	32	40
No. of Phases	1 phase /3 phase	1 phase /3 phase	1 phase /3 phase	1 phase /3 phase	1 phase /3 phase	1 phase /3 phase	1 phase /3 phase	1 phase /3 phase	1 phase /3 phase	3 phase
Output Voltage (V)	230V/415V	230V/415V	230V/415V	230V/415V	230V/415V	230V/415V	230V/415V	230V/415V	230V/415V	415V
Power Factor (lagging)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Current (A) (1phase / 3 phase)	43.5/13.9	65.2/20.9	65.2/20.9	87/27.8	97.8/31.3	108.7/34.8	108.7/34.8	130.4/41.7	173.9/55.7	69.6
Frequency (Hz) RPM	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500
Governing Class	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1
Starting system	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical	12V DC Electrical
Fuel tank capacity (lit)	55	55	75	75	75	75	75	115	115	185
Genset dimensions (L x W x H*) (mm) approx	1700 x 900 x 1250	1700 x 900 x 1250	1875 x 900 x 1287	1875 x 900 x 1287	1875 x 900 x 1287	1875 x 900 x 1287	3 Phase: 2000 x 980 x 1280 1 Phase: 2200 x 980 x 1280	3 Phase: 2000 x 980 x 1280 1 Phase: 2200 x 980 x 1280	3 Phase: 2000 x 980 x 1280 1 Phase: 2200 x 980 x 1280	2400 x 1050 x 1966
Genset weight (kg)	650	690	740	800	840	840	920	930	950	1260
Engine Specifications										
Make	Mahindra									
Model	2185 GM C2	2205 GM C2	3255 GM C2	3285 GM C2	3335 TCGM C2	3385 TCIGM C2	3385 TCIGM C2	3445 TCIGM C2	4575 TCIGM C2	4725 GMAC2
Power Output # (HP)	18	20	25	28	33	38	38	44	57	72
Aspiration	NA	NA	NA	NA	TC	TCI	TCI	TCI	TCI	TCI
No. of cylinders	2	2	3	3	3	3	3	3	4	4
Bore x Stroke (mm)	89 x 110	89 x 120	89 x 102	89 x 110	89 x 102	89 x 102	89 x 102	89 x 110	89 x 110	94 x 115
Displacement (cc)	1365	1490	1892	2048	1892	1892	1892	2048	2731	3192
Fuel consumption @ 75% load (lit/hr)^	2.4	2.7	3	3.6	3.9	4.7	5.5	5.7	7.3	9.5
Fuel consumption @ 100% load (lit/hr)^	2.9	3.6	3.8	4.8	4.9	6.2	7.3	7.3	9.9	12.4
Lube oil specification	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CI4	SAE15W40 CI4	SAE15W40 CI4	SAE15W40 CI4	SAE15W40 CI4	SAE15W40 CI4
Total lube oil system capacity (liter)	6	6	6.5	6.5	7	7	7	7	10.5	10
Lube oil consumption (lit/hr)$	0.15% of Fuel Consumption									
Lube oil change period (hrs.)	300 hrs. for oil top up, 600 hrs. for oil change									
Radiator coolant capacity (liters)	5.5	5.5	5.5	5.5	5.5	9.5	9.5	9.5	9.5	12
Alternator Specifications										
Make	Mahindra Powerol									
Enclosure Type	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
Voltage regulation	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Class of insulation	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H
Maximum Unbalanced Load across Phases	25%	25%	25%	25%	25%	25%	25%	25%	25 %	25%

Notes:
Above specifications are subject to change without prior notice due to continuous product improvements
All engines & alternators conform to respective IS standards
All the genset specifications conform to ISO 8528 standard
*Height without silencer
Fuel - High Speed Diesel (HSD IS 1460 : 2005)
^ Considering 0.845 specific gravity of diesel, 5% tolerance
$ Considering 0.89 specific gravity of oil
All specifications are at standard NTP operating conditions
Engine power output at 110 % load

Technical Specifications:

Genset Rating (kVA)	62.5	75	82.5	100	125	160	180	200
Duty (Stand by / Prime)	Prime	Prime	-	-	-	-	-	-
Power Rating (kW)	50	60	66	80	100	128	144	160
No. of Phases	3 phase	3 phase	3 phase	3 phase	3 phase	3 phase	3 phase	3 phase
Output Voltage (V)	415V	415V	415V	415V	415V	415V	415V	415V
Power Factor (lagging)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Current (A) (1 phase / 3 phase)	87	104.4	115	139	174	223	251	278
Frequency (Hz) RPM	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500
Governing Class	A1	A1	G2 as per ISO 8528 Part V					
Starting system	12V DC Electrical	12V DC Electrical	12 V DC Electrical	12 V DC Electrical	24 V DC Electrical	24 V DC Electrical	24 V DC Electrical	24 V DC Electrical
Fuel tank capacity (lit)	185	180	200	200	219	300	400	400
Genset dimensions w/o Silencer (L x W x H*) (mm) approx	2400 x 1050 x 1966	3000 x 1150 x 2135	2950 x 1075 x 1575	3200 x 1200 x 1600	3500 x 1230 x 1425	3750 x 1300 x 1800	4300 x 1400 x 1800	4300 x 1400 x 1800
Genset weight (kg)	1280	1350	1700	1750	1900	2350	2750	2800
Engine Specifications								
Make	Mahindra		Mahindra mPOWER					
Model	4905 GMAC2	41035 GM C2	mPower41015G	mPower41265G	mPower61565G	mPower61995G	mPower62235G	mPower62485G
Power Output (HP)	90#	103#	101	126	156	199	223	248
Aspiration	TCI	TCI	TCA	TCA	TCA	TCA	TCA	TCA
No. of cylinders	4	4	4	4	6	6	6	6
Bore x Stroke (mm)	96 x 122	96 x 122	105 x 137	105 x 137	105 x 137	105 x 137	105 x 137	105 x 137
Displacement (lit)	3.5	3.5	4.8	4.8	7.2	7.2	7.2	7.2
Fuel consumption @ 75% load (lit/hr)^	11.3	13.5	13.9	17.3	21.4	27.8	28.7	33.3
Fuel consumption @ 100% load (lit/hr)^	15.3	17.8	18.1	23.1	28	36.7	38.2	40.8
Lube oil specification	SAE15W40 CI4	SAE15W40 CI4	15W40 API CI4+	15W40 API CI4+	15W40 API CI4+	15W40 API CI4+	15W40 API CI4+	15W40 API CI4+
Total lube oil system capacity (liter)	10	10	13.5	13.5	20.2	20.2	20.2	20.2
Lube oil consumption (lit/hr)$	0.15% of Fuel Consumption				0.1% of Fuel Consumption			
Lube oil change period (hrs.)	300 hrs. for oil top up, 600 hrs. for oil change		500 hrs. for oil change					
Radiator coolant capacity (liters)	15	19	19	19	22.5	25	24	24
Alternator Specifications								
Make								
Enclosure Type	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
Voltage regulation	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Class of insulation	Class H	Class H	Class H	Class H	Class H	Class H	Class H	Class H
Maximum Unbalanced Load across Phases	25%	25%	25%	25%	25%	25%	25%	25%

Notes:
Above specifications are subject to change without prior notice due to continuous product improvements | All engines & alternators conform to respective IS standards
All the genset specifications conform to ISO 8528 standard | Fuel - High Speed Diesel (HSD IS 1460 : 2005) | ^ Considering 0.845 specific gravity of diesel, 5% tolerance
$ Considering 0.89 specific gravity of oil | All specifications are at standard NTP operating conditions | # Engine power output at 110 % load

Available for 82.5 kVA and above
Super Shield is a 5 year all-inclusive coverage plan, which means zero repair charges, zero service charges and zero spares replacement costs for 5 years.

powerol by Mahindra

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