

## 10 kVA - 75 kVA GENSETS

### Technical Specifications:

Genset Rating (kVA)	10	15	15	20	22.5	25
Duty (Standby/ Prime)	Prime	Stand By	Prime	Stand By	Prime	Prime
Power Rating (kW)	8	12	12	16	18	20
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
Output Voltage (V)	230V/415V	230V/415V	230V/415V	230V/415V	230V/415V	230V/415V
Power Factor (lagging)	0.8	0.8	0.8	0.8	0.8	0.8
Current (A) (1 phase / 3 phase)	43/14	54/17	65/21	80/26	98/31	109/35
Frequency (Hz) RPM	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500
Governing Class	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
Fuel tank capacity (lit)	55	55	55	75	75	75
Genset dimensions approx (L x W x H) (mm)	1800 x 900 x 1300	1800 x 900 x 1300	1800 x 900 x 1300	2000 x 980 x 1285	2000 x 980 x 1285	2000 x 980 x 1285
Genset weight (kg)	650	690	740	800	840	840

#### Engine Specifications

Make	Mahindra					
Model	2185 GM C2	2205 GM C2	3255 GM C2	3285 GM C2	3335 TCGM C2	3385 TCIGM C2
Rated Power at 100% Load (HP)	16.3	18.2	22.7	25.4	29.9	34.5
Aspiration	NA	NA	NA	NA	TC	TCI
No. of cylinders	2	2	3	3	3	3
Bore x Stroke (mm)	89 x 110	89 x 120	89 x 102	89 x 110	89 x 102	89 x 102
Displacement (cc)	1365	1490	1892	2048	1892	1892
Fuel consumption @ 75% load (lit/hr) <sup>^</sup>	2.4	2.7	3	3.6	3.9	4.7
Fuel consumption @ 100% load (lit/hr) <sup>^</sup>	2.9	3.6	3.8	4.8	4.9	6.2
Lube oil specification	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CH4	SAE15W40 CI4	SAE15W40 CI4
Total lube oil system capacity (liter)	6	6	6.5	6.5	7	7
Lube oil consumption (lit/hr) <sup>®</sup>	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

#### Alternator Specifications

Make	Mahindra Powerol					
Enclosure Type	IP23	IP23	IP23	IP23	IP23	IP23
Voltage regulation	±1%	±1%	±1%	±1%	±1%	±1%
Class of insulation	Class H	Class H	Class H	Class H	Class H	Class H
Maximum Unbalanced Load across Phases	25%	25%	25%	25%	25%	25%

# 10 kVA - 75 kVA GENSETS



## Technical Specifications:

Genset Rating (kVA)	30	30	40	50	62.5	75
Duty (Standby/ Prime)	Stand by	Prime	Prime	Prime	Prime	Prime
Power Rating (KW)	24	24	32	40	50	60
No. of Phases	1 phase / 3 phase	1 phase / 3 phase	1 phase / 3 phase	3 phase	3 phase	3 phase
Output Voltage (V)	230V/415V	230V/415V	230V/415V	415V	415V	415V
Power Factor (lagging)	0.8	0.8	0.8	0.8	0.8	0.8
Current (A) (1 phase / 3 phase)	130/42	130/42	174/56	70	87	104
Frequency (Hz) RPM	50/1500	50/1500	50/1500	50/1500	50/1500	50/1500
Governing Class	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
Fuel tank capacity (lit)	115	115	115	200	200	230
Genset dimensions approx [L x W x H] (mm)	2500 x 1030 x 1330	2500 x 1030 x 1330	2500 x 1030 x 1330*	2800 x 1150 x 1535*	2800 x 1150 x 1535*	3000 x 1150 x 2135*
Genset weight (kg)	920	930	950	1260	1280	1350

### Engine Specifications

Make	Mahindra					
Model	3385 TCIGM C2	3445 TCIGM C2	4575 TCIGM C2	4725 GMAC2	4905 GMAC2	41035 GM C2
Rated Power at 100% Load (HP)	37	40	51.8	65.4	81.8	93.7
Aspiration	TCl	TCl	TCl	TCl	TCl	TCl
No. of cylinders	3	3	4	4	4	4
Bore x Stroke (mm)	89 x 102	89 x 110	89 x 110	94 x 115	96 x 122	96 x 122
Displacement (cc)	1892	2048	2731	3192	3532	3532
Fuel consumption @ 75% load (lit/hr) ^	5.5	5.7	7.3	9.5	11.3	13.5
Fuel consumption @ 100% load (lit/hr)^	7.3	7.3	9.9	12.4	15.3	17.8
Lube oil specification	SAE15W40 Cl4	SAE15W40 Cl4	SAE15W40 Cl4	SAE15W40 Cl4	SAE15W40 Cl4	SAE15W40 Cl4
Total lube oil system capacity (liter)	7	7	10.5	10	10	10
Lube oil consumption (lit/hr) <sup>§</sup>	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)					
Radiator coolant capacity (liters)	9.5	9.5	9.5	12	15	19

### Alternator Specifications

Make	Mahindra Powerol					
Enclosure Type	IP23	IP23	IP23	IP23	IP23	IP23
Voltage regulation	±1%	±1%	±1%	±1%	±1%	±1%
Class of insulation	Class H	Class H	Class H	Class H	Class H	Class H
Maximum Unbalanced Load across Phases	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



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