



powerol
by mahindra

Powering The Growth Journey of The Nation

CPCB IV+

Range 10 kVA - 650 kVA



Best-in-class
Fuel Efficiency



Small
Footprint



Lowest Cost of
Ownership



Excellent Block
Loading Capacity



Widest Sales &
Service Network

E.M. Associates

www.emassociates.in

Mahindra Genset 10 kVA to 30 kVA

Genset Rating (kVA) Engine Model	10 kVA M2155G1	15 kVA M2155G2	20 kVA M3205G2	25 kVA M3205G3	30 kVA M3205G5
DG Model	M10DR	MB15DR	MB20DR	MB25DR	M30DR
Power Rating (kWe)	8	12	16	20	24
No. of Phases	1/3	1/3	1/3	1/3	1/3
Output Voltage (V)	230/415	230/415	230/415	230/415	230/415
Current (A) (1 Phase / 3 Phase)	43.5/13.9	65.2/20.9	87/27.8	108.7/34.8	130.4/41.7
Governing Class	G2	G2	G2	G3	G3
Starting System (volt)	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Fuel Tank Capacity (lit)	55	55	75	75	115
Genset Weight Dry	725	690	780	790	915
Genset Dimension (LxWxH) (mm)	1750 X 900 X 1250	1750 X 900 X 1250	1990 X 900 X 1330	1990 X 900 X 1330	2325 X 980 X 1330
Controller Model	GC 1115	GC 1115	GC 1115	GC 1115	GC 1115
Engine Specifications					
Fuel system	Mechanical	Mechanical	Mechanical	Electronic	Electronic
Rated Power Output (Hp)	16.3	18.3	25.2	30.5	40.0
Compression Ratio	20.5:1	20.5:1	19.5:1	18.7:1	18.7:1
Aspiration	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Turbocharged	TCIC
No. of Cylinders	2 Cylinders	2 Cylinders	3 Cylinders	3 Cylinders	3 Cylinders
Bore x Stroke (mm)	88.9 x 120	88.9 x 120	88.9 x 110	88.9 x 110	88.9 x 110
Displacement (Ltr)	1.5	1.5	2.0	2.0	2.0
Total Lube Oil capacity (lit)	5	5	6.2	7	7
Coolant Capacity (lit)	7.7	7.7	7.7	12.5	12.5

Mahindra Genset 35 kVA to 58.5 kVA

Genset Rating (kVA) Engine Model	35 kVA M3205G5	40 kVA M4275G1	45 kVA M4275G1	50 kVA V4355G1	58.5 kVA V4355G2
DG Model	MB35DR	M40DR	MB45DR	M50DR	M58.5DR
Power Rating (kWe)	28	32	36	40	46.8
No. of Phases	1/3	1/3	1/3	3	3
Output Voltage (V)	230/415	230/415	230/415	415	415
Current (A) (1 Phase / 3 Phase)	152.2 / 48.7	173.9 / 55.6	195.7 / 62.6	69.6	81.4
Governing Class	G3	G3	G3	G3	G3
Starting System (volt)	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Fuel Tank Capacity (lit)	115	115	115	156	156
Genset Weight Dry	915	990	990	1050	1285
Genset Dimension (LxWxH) (mm)	2325 X 980 X 1330	2325 X 980 X 1330	2325 X 980 X 1330	2600 X 1130 X 1575	2600 X 1130 X 1575
Controller Model	GC 1115	GC 1115	GC 1115	GC 1115	GC 1115
Engine Specifications					
Fuel system	Electronic	Electronic	Electronic	Electronic	Electronic
Rated Power Output (Hp)	40.0	51.8	51.8	65.4	75.5
Compression Ratio	17.2:1	17.2:1	18.7:1	18.7:1	17.2:1
Aspiration	TCIC	TCIC	TCIC	TCIC	TCIC
No. of Cylinders	3 Cylinders	4 Cylinders	4 Cylinders	4 Cylinders	4 Cylinders
Bore x Stroke (mm)	88.9 X 110	88.9 X 110	88.9 x 110	96 x 122	96 x 122
Displacement (Ltr)	2.0	2.7	2.7	3.5	3.5
Total Lube Oil capacity (lit)	7	10.5	10.5	8.5	8.5
Coolant Capacity (lit)	12.5	12.5	12.5	15.5	15.5

Common Specification For All Gensets

Alternator Specifications				Other Specifications	
Alternator Make	CG/LS/Equivalent	Class of Insulation	H	Power Factor (lagging)	0.8
Enclosure Type	IP23	Voltage Regulation	+/- 1%	Lube Oil Specification	SAE 15W40 CI4+
Max Phase Imbalance	25%	Total Harmonic Distortion	AT NO LOAD<2.5%	Lube Oil Change Period	500Hrs (After First Service)
Frequency (Hz)/ RPM	50/1500				

Mahindra Genset 82.5 kVA to 200 kVA

Genset Rating (kVA) Engine Model	82.5 kVA V4355G4	125 kVA H4485G1	160 kVA H6725G2	180 kVA H6725G3	200 kVA H6725G4
DG Model	M82.5DR	M125DR	M160DR	M180DR	M200DR
Power Rating (kWe)	66	100	128	144	160
No. of Phases	3	3	3	3	3
Output Voltage (V)	415	415	415	415	415
Current (A) (1 Phase / 3 Phase)	114.8	174	222	250	278
Governing Class	G3	G3	G3	G3	G3
Starting System (volt)	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Fuel Tank Capacity (lit)	169	250	388	388	388
Genset Weight Dry	1630	2020	2500	2700	2720
Genset Dimension (LxWxH) (mm)	3190X 1225 X 1575	3700 X 1350 X 1550	4200 X 1400 X 1745	4200 X 1400 X 1745	4200 X 1400 X 1745
Controller Model	GC 1115	GC 1115	GC 1115	GC 1115	GC 1115
Engine Specifications					
Fuel system	Electronic	Electronic	Electronic	Electronic	Electronic
Rated Power Output (Hp)	101.3	156	199	223	247
Compression Ratio	17.2:1	17.2:1	17.2:1	17.2:1	17.2:1
Aspiration	TCIC	TCIC	TCIC	TCIC	TCIC
No. of Cylinders	4 Cylinders	4 Cylinders	6 Cylinders	6 Cylinders	6 Cylinders
Bore x Stroke (mm)	96 x 122	105 X 137	105 x 137	105 x 137	105 X 137
Displacement (Ltr)	3.5	4.7	7.2	7.2	7.2
Total Lube Oil capacity (lit)	11.5	13.5	20.2	20.2	20.2
Coolant Capacity (lit)	22.5	19	25	24	24
DEF Capacity (Lit)	26	35	35	35	35

Mahindra Genset 250 kVA to 320 kVA

Genset Rating (kVA) Engine Model	250 kVA H6935G1	320 kVA H6935G2
DG Model	M250DR	M320DR
Power Rating (kWe)	200	256
No. of Phases	3	3
Output Voltage (V)	415	415
Current (A) (1 Phase / 3 Phase)	348	445
Governing Class	G3	G3
Starting System (volt)	24 V DC	24 V DC
Fuel Tank Capacity (lit)	425	570
Genset Weight Dry	3850	3920
Genset Dimension (LxWxH) (mm)	4400 x 1600 x 1850	4750 X 1600 X 2000
Controller Model	GC 1116	GC 1116
Engine Specifications		
Fuel system	Electronic	Electronic
Rated Power Output (Hp)	310	390
Compression Ratio	17.2:1	17.2:1
Aspiration	TCIC	TCIC
No. of Cylinders	6 Cylinders	6 Cylinders
Bore x Stroke (mm)	116.6 X 146.1	116.6 X 146.1
Displacement (Ltr)	9.3	9.3
Total Lube Oil capacity (lit)	35	35
Coolant Capacity (lit)	31	31
DEF Capacity (Lit)	50	50

Perkins Genset 525 kVA to 650 kVA

525 kVA 2806FA-E18TAG1	650 kVA 2806FA-E18TAG2
M525DR	M650DR
420	520
3	3
415	415
730	904
G3	G3
24 V DC	24 V DC
800	800
TBC	TBC
5800 X 2200 X 2300	5800 X 2200 X 2300
DSE7320	DSE7320
Engine Specifications	
Electronic	Electronic
605	746
16:01	16:01
TCAC	TCAC
6 Cylinders	6 Cylinders
145 x 183	145 x 183
18.1	18.1
74	74
85	85
66	66

Notes:

Disclaimer: Technical data and specifications are subject to change without notice.
Standard warranty of 2 Years/5000 Hours, 5 Years 5C warranty (MHEPL only)
All Specifications are at Standard NTP operating conditions

Key Terms:

Engine Power at 100 % load
TCIC: Turbocharged Intercooled
TCAC: Turbocharged-Aftercooled



Feature Highlights

Engine Performance

- Fuel efficient engine with electric start
- Built-in battery charging alternator
- Designed for continuous heavy-duty operation

Smart Control System

- Auto & manual modes (AMF support)
- Real-time monitoring (voltage, frequency, usage)
- Event logs, alerts & safety monitoring
- Remote monitoring via app (IoT enabled above 75 KVA)

Durable Build

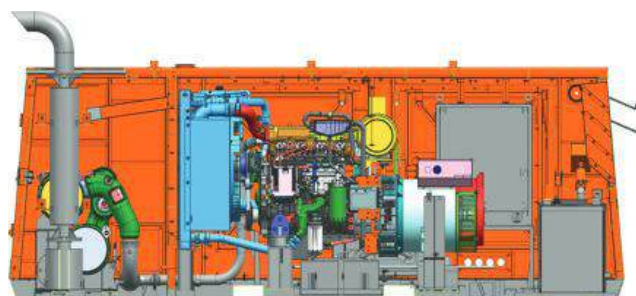
- Acoustic enclosure meeting CPCB IV+ norms
- UV-resistant coating for long life
- Fire-retardant insulation for safety
- Designed for Indian climate conditions

Easy Maintenance

- Draw-out fuel tank
- Service indicators
- Low-maintenance alternator

Why Choose our Genset?

- Reliable power in extreme temperatures (-10°C to 55°C)
- Low fuel consumption = reduced operating cost
- Smart controller with auto & remote operation
- Long-lasting build with weather-proof enclosure
- Easy maintenance with accessible components



Remote Monitoring and Fuel Intelligence above 75 KVA

Track generator performance anytime, anywhere

Get maintenance alerts (A/B checks)

Monitor fuel usage & detect theft

Reduce downtime with predictive maintenance



E.M. Associates

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