

CP20-MM1 (DG20.MCP.3PH)

powerol
BY mahindra



- Mahindra industrial-grade engine
- Super quiet with strong acoustic outdoor enclosure
- Deepsea controller with remote auto start/stop function
- Leroy Somer alternator with 300% overload capability
- 12 month / 1200hr warranty with nationwide service

POWEROL BY MAHINDRA

Since 1948, Mahindra has been a major global supplier of diesel-powered equipment including 4WD and SUV vehicles, and today is the world's largest tractor manufacturer. The company has manufactured generators since 2001, producing over 600 000 units since.

The Mahindra range includes both single and three phase models from 5kVA through to 625kVA. They are ideal for commercial and industrial standby power or as a primary power source.

50HZ - THREE PHASE - WATER-COOLED

Standby Power	(kVA)	22.0
	(kW)	17.6
	(A)	31.0
Prime Power	(kVA)	20.0
	(kW)	16.0
	(A)	26.0
Tank Size (L)		75
Noise (dB(A) @7m)		68
Weight (kg)		800
Dimensions LxWxH (mm)		2000 X 980 X 1285

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ENGINE DATA



The compact, water-cooled design of the Mahindra engine offers fuel efficiency as well as lower noise and vibration levels. Generate peace of mind with seamless switchover and voltage control to ensure continuity of production and the safety of your equipment.

Manufacturer	MAHINDRA
Model	3335TC GM C2
Cylinder Configuration	INLINE
N° of Cylinders	3
Displacement (cc)	1891
Aspiration	TURBO
Governor Type	MECHANICAL/A1
Speed (RPM)	1500
Voltage (V)	12
Fuel Oil	DIESEL
Fuel Consumption %100 PRP (L/H)	5.7
Fuel Consumption %75 PRP (L/H)	4.3
Injection Fuel Pump Make	MICO
Coolant Type	BASF GLYSANTIN
Coolant Capacity (l)	5.5
Lubrication Oil Type	SAE 15W40 CH4
Lubrication Oil Capacity (l)	7.0
Lubrication Oil Change Interval (hours)	300
Lubrication Oil Filter	Spin on type with paper element

ALTERNATOR DATA



Mahindra generators use industry-best Leroy Somer alternators offering better motor starting capability, higher power density and superior thermal life. Brushless and self-exciting with AVR regulation, Leroy Somer alternators are manufactured to the highest quality for productivity and durability.

Manufacturer	LEROY-SOMER
Model	LSAP40.H
N° of Phases	3
Power Factor	0.8
N° of Poles	4
Voltage Regulation (Steady State)	± 1%
Insulation Class	H
Degree of Protection	IP 23
Excitation System	AREP
Sustained Short-Circuit Current	300% of FLC for 10s
Total Harmonic Distortion	< 5%
Frequency (Hz)	50
Voltage Output (V)	400

CONTROL PANEL

CAPS Generators come with the latest Deep Sea Electronics auto control, ensuring suitability for both manual and automatic (mains monitoring operation). When the DSE control identifies a break in mains supply, the generator starts automatically.

FUNCTIONS

- AMF unit (auto start on mains failure)
- Back-lit LCD text display
- Five key menu navigation
- Fully configurable via the fascia or PC via USB port
- Remote start capability
- Manual start capability
- Hour meter
- Generator/load power monitoring
- Configurable maintenance alarms
- 7 configurable inputs
- 4 configurable DC outputs
- Real-time clock provides accurate event logging
- Battery voltage monitoring
- Engine controller



PROTECTION FEATURES

ENGINE ALERTS

- High water temperature
- Low oil pressure
- Low fuel level

ELECTRICAL ALERTS

- Under/over voltage
- Under/over frequency
- Over current
- kW overload

Please note: Technical specifications are subject to change without prior notice.

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