

MineTuff Series

MCS1250S-1-SCS

Powered by **CUMMINS**



MineTuffStandard Features

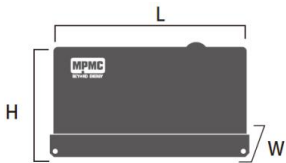
Heavy duty engine, replaceable filters, anti-vibration mount, operation manuals.

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General Information

Rated Prime Power (kVA)	1250
Rated Prime Power (kW)	1000
Rated Standby Power (kVA)	1375
Rated Standby Power (kW)	1100
Rated Frequency (HZ)	50HZ
Rated Speed (RPM)	1500RPM
Rated Voltage (V)	415
PF	0.8
Control System	Digital
Engine Model	KTA50-G3
Alternator Model	S6L1D-G4

Dimensions & Weight



Bunded base fuel tank 900L;
Dimension to Ref.: 20HC

Engine Specifications

Engine	
Engine Model	KTA50-G3
Manufacturer	CUMMINS
Place of Origin	INDIA
Emission	NA
Cylinder Arrangement	60°V
Number of Cylinders	16
Cycle	4 stroke
Aspiration	Turbocharged
Bore x Stroke (mm)	159 x 159 (mm)
Displacement (L)	50.3 L
Speed Governor	E
Switchable	Y
Engine Gross Prime Power (kW)	1097
Engine Gross Max. Power (kW)	1227
Lube-oil Capability (L)	177 L
Fuel Consumption@110% load (L/h)	301.4
Fuel Consumption@100% load (L/h)	274
Fuel Consumption@75% load (L/h)	205.5
Fuel Consumption@50% load (L/h)	137
Starter Motor/ Charger Alternator (Vdc)	24 Vdc

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Engine Accessories

Crankshaft breathing box	Yes
Fuel/Water Separator	1000FG
For KTA50-G3 India	50°C Off-engine WEICHUANG
Murphy gauge for radiator	EL150K1
BWD 50°C for KTA50-G3	50°C Off-engine motor driven up exhaust 20GP
DC electrical oil pump	Yes

Alternator Specifications

Alternator

Alternator Model	S6L1D-G4
Manufacturer	Stamford
Rated Output Power (kVA)	1260
Alternator Type	Brushless
Phase	3
Poles	4
Exit Leads	6
Rated Voltage (V)	415
Rated Speed (RPM)	1500RPM
IP Protection Class	IP 23
Insulation Grade	H
Winding Pitch	2/3
Bearing	single
Coupling	Flexible disc

Alternator Accessories

PMG + MX341 AVR	Yes
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Main Accessories Specifications

Base Frame Assembly

Base Fuel Tank	900L Bunded Fuel Tank
Battery	240AH/24V Battery
Battery Isolate Switch	Padlock Box
Battery Isolate Switch	Single Pole Starter Isolate Switch
Battery Isolate Switch	Double Poles Isolate Switch
Fuel Pipes & Valves	Three-way Valve

Container-type Canopy

Customised Parts	Air inlet filter for engine compartment
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MPMC Standard Container	20HC for SCS
Air Inlet System	
Air Inlet Filter	Dual-element air filter with indicator
Switchgear	
ABB MCCB	ABB MCCB MOTORIZED 4P 1250A
Australian Electrical Standard	MEN & SAA Cables
Leakage Relay & Zero Sequence Transformer	JUREN RCD RELR-3DS/DC24V
Control Panel Assembly	
Smartgen Floating charger	MPMC BAC06
Comap Controller	IG-500
Others	10 meters parallel communication cable
Smoke Exhaust System Assembly	
Fiberglass Insulation	High temperature electronic glass fiber barrier(Width:180mm)
Smoke Exhaust Pipes	Shockproof joint (304ss.)
Critical Grade Silencer	Critical Grade Silencer