

Powered by Mitsubishi/SME

Sales and Enquiries:

Ph: 1300 493 818

Email: sales@classpower.com.au



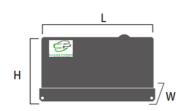


#### **Applicable Standards**

- ISO 8528-5:2018
- GB/T2820.5-2009
- CF

General Information		Prime power	Standby power
Rated Power (kVA)		750	825
Power Rating (kW)		600	660
Frequency (Hz)		50	
Engine Model		S6R2-PTAA/S6R2-PTAA-C	
Engine Speed (RPM)		1500	
Phase		3	
PF		0.8	
Control System		Digital	
Rated voltage (V)		400/230 (According to customer requirements)	
Fuel tank capacity operating time		1	
Fuel Consumption	110% load	173	
	100% load	15	158
(L/h)	75% load	12	0
	50% load	81	

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Dimension and Weight					
Model	CPMH750-1	CPMH750S-1			
	Open type	Silent type			
Length (L) mm	4080	20'HC			
Width (W) mm	1715	20'HC			
Height (H) mm	1985	20'HC			
Dry weight (kg)	5482	9935			
Tank capacity (L)	1	1			
The loading capacity (40'HC)	3 units	1			

Note: Specifications and illustrations are subject to revision without notice.

#### **Environmental Conditions**

- Ambient temperature: ~+50°C
- Altitude: ≤1000m

Remark: If your conditions are different from the above, please contact our sales.

#### **Factory Inspection**

- Complete design and quality inspection
- 0%, 25%, 50%, 75%, 100%, 110% load test.
- Function test and Protection Test.

#### **Painting Process**

- Our Supplier has the most advanced automatic spraying/powder coating production line and is equipped with various sandblasting equipment to ensure higher quality.
- Canopy painting: Henkel pretreatment process and world-famous brand AkzoNobel powder.
- Base Frame painting: Sandblasting process and AkzoNobel powder (Hempel paint is optional).











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## **Engine Specifications**

Engine model & manufacturer		S6R2-PTAA/S6R2-PTAA-C (Mitsubishi/SME)	
Emission Certification			
Number of cylinders		6	
Cylinder arrangement		Inline	
Cycle		Four stroke	
Aspiration		Turbocharged	
Bore x Stroke		170 x 220 mm	
Displacement		30 L	
Compression ration		14: 1	
Prime power /speed		645 kW/1500 rpm	
Standby power /speed		710 kW/1500 rpm	
Speed governor		Electronic	
Cooling system		Forced Water Cooling Cycle	
Frequency droop		≤ 3%	
Total lubrication system capacity		100 L	
Coolant capacity (engine only)		258 L	
Fuel consumption	100% load	209 g/kWh @1500 rpm	
Starter motor		DC 24V	
Charge alternator		DC 24V	

## **Alternator Specifications**

Alternator		
Number of phase	3	
Power factor (Cos Phi)	0.8	
Poles	4	
Insulation type	H class	
Winding Pitch	2/3	
IP rating	IP23	
Bearing	Single bearing	
Voltage regulator	AVR	
Coupling	Flexible disc	



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### **Control Panel**

**ComAp** offers a range of controller types designed to meet various needs in the field of generator set control and monitoring. While specific models and features may vary, here are some examples of COMAP controllers commonly used:

#### Inteli Gen 500



InteliGen 500 is a paralleling controller with 5" colour display for advanced diesel gen-set applications, supporting both single and multiple gen-sets running in grid-

tied or island operations.

 Effective power management

- Built-in PLC interpreter
- Load shedding
- Dynamic spinning reserve
- Built-in colour display
- Automatic Mains Failure
- Mains application in a genset controller
- Remote connection & monitoring
- Start-up synchronization
- Droop regulation
- Peak shaving

#### InteliLite 4 MRS 16



- InteliLite 4 MRS 16 is an advanced single gen-set controller for prime power applications. Ensuring reliable prime power, the controller effectively monitors, protects, and controls the generator and circuit breaker to supply the load.
- Cybersecurity by design
- Easy configuration with InteliConfig
- Reliable internet access
- Built-in PLC logic
- Easy troubleshooting
- Zero power mode features to avoid battery drainage for prime power applications
- Integrated communication and control ports

#### InteliLite 4 AMF 25



- InteliLite 4 AMF 25 an advanced single gen-set controller for stand-by and prime power applications. Intuitive, flexible, easy to install and use, the InteliLite 4 AMF 25 controller offers multiple configuration options to create the best solution for controlling and monitoring your gen-sets both on-site and remotely.
- Flexible and efficient setup and monitoring
- Built-in PLC logic and PLC editor with easy-to-use drag and drop editing blocks
- AirGate 2.0 for easy connection to your equipment remotely
- Remote control and monitoring with Web Supervisor
- High-level security features
- Stand-by and prime power application control
- Cybersecurity by design

InteliVision 5 is an easy-touse industrial operator panel with a colour screen for monitoring of single gen-set for various applications. This robust and intuitive plug & play solution provides comprehensive visual overview of all engine data, monitoring information and trend history.

#### InteliVision 5

- Intuitive navigation
- Robust design
- Simple installation
- 5.7" Colour screen
- Plug & play solution
- Broad operating temperature range from -30°C to +70°C
- Local and remote access for single controller monitoring
- Front face is sealed to IP65
- Our expert team will assist you in selecting the appropriate ComAp controller tailored to your specific requirements, ensuring the best choice for your application. Additionally, we offer a range of controller options from other reputable brands such as Woodward, Deep Sea, and Smartgen, providing you with a wider selection to meet your needs.



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## **Options**

Engine	Alternator	Fuel System	Generating Set
□ Water Jacket Preheater	□ PMG excitation	□ 12 / 24 hour base tank	□ Deepsea, ComAp, Smartgen Woodward, etc. controller
□ Oil Preheater	□ Space heater	□ Bunded fuel tank	□ Trailer
□ Oil manual pump	□ Winding temperature	□ External fuel tank	
	measuring	□ Automatic fuel feeding	□ Tools with the machine
		Switch between external tank     and base tank (three-way valve)	



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