Model: CPU2100(S)-1

Powered by mtu

Sales and Enquiries:

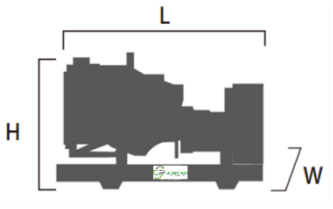
Ph: 1300 493 818

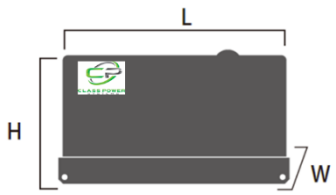
Email: sales@classpower.com.au

Applicable Standards

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

General Information		Prime power	Standby power
Rated Power (kVA)		2100	2310
Power Rating (kW)		1680	1848
Frequency (Hz)		50	
Engine Model		16V4000 G23	
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		/	
Fuel Consumption (L/h)	110% load	436.7	
	100% load	397	
	75% load	297.7	
	50% load	198.5	





Dimension and Weight		
Model	CPU2100-1 Open type	CPU2100S-1 Silent type
Length (L) mm	6925	40'HC
Width (W) mm	2200	40'HC
Height (H) mm	2554	40'HC
Dry weight (kg)	14500	24680
Tank capacity (L)	/	/
The loading capacity (40'HC)	1 unit	1 unit

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).

ISO9001 : 2015 Quality system certified | ISO14001 System certification | OHSAS18001 System certification | CE certificate

Sales and Enquiries:
Ph: 1300 493 818
Email: sales@classpower.com.au

Engine Specifications

Engine model & manufacturer		16V4000 G23(MTU)
Emission Certification		China Tier III
Number of cylinders		16
Cylinder arrangement		90° V
Cycle		Four stroke
Aspiration		Turbocharged
Bore x Stroke		170 x 210 mm
Displacement		76.3 L
Compression ration		16.4：1
Prime power /speed		1798 kW/1500 rpm
Standby power /speed		1978 kW/1500 rpm
Speed governor		ECM
Cooling system		Forced Water Cooling Cycle
Frequency droop		≤ 5%
Total lubrication system capacity		300 L
Coolant capacity (engine only)		215 L
Fuel consumption	100% load	191 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

Sales and Enquiries:

Ph: 1300 493 818

Email: sales@classpower.com.au

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 gen-set 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

- InteliVision 5 is an easy-to-use 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.

- 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.

Sales and Enquiries:

Ph: 1300 493 818

Email: sales@classpower.com.au

Options

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

CLASS POWER SYSTEMS

Proudly Distributed by

www.classpower.com.au

Photographs are for illustrative purposes only and may not reflect the final specification. All information in this document is substantially correct at time of printing and may be altered subsequently. Final weight and dimensions will depend on completed specification.