

● Model: MPE-1915S

Powered by Mitsubishi



● Generator Specification

Service	PRP(1)	ESP(2)
Power (kVA)	1750	1915
Power (kW)	1400	1532
Rated speed (r.p.m)	1500	
Standard voltage (V)	400/230V	
Rated at power factor (cos phi)	0.8	

(1) PRP (Prime Power):

According to ISO8528-1, prime power is available continuously during the period of power outage in a variable load application. Variable load should not exceed a 70% average of the prime power rating during any 24 hour period. A 10% overload capability is available for a period of 1 hour within a 12 hour period of operation.

(2) ESP (Standby Power):

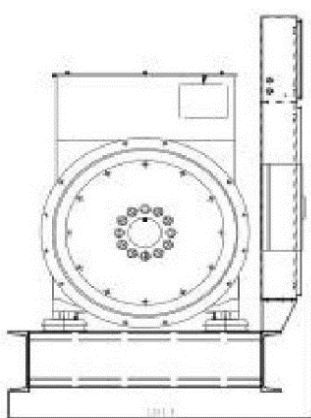
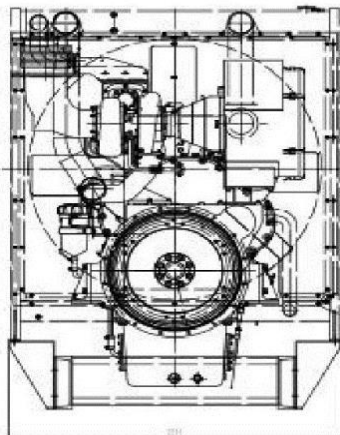
According to ISO 8528-1, standby power is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

Standard reference Conditions

Note: Standard reference condition 25°C (77°F) air inlet temp, 100m(328ft) A.S.L 30% relative humidity. Fuel consumption dat with diesel fuel with specific gravity of 0.85 and conforming to BS 2869: 1998. Class A2

Quality Standards

To BS4999/5000 pt 99, VDE 0530, UTE5100, NEMA MG1-22, CEMA, IEC 34, CSA A22.2, AS1359, BS5514, ISO 3046, ISO 8528, ISO9001, ISO14001, CE Compliance

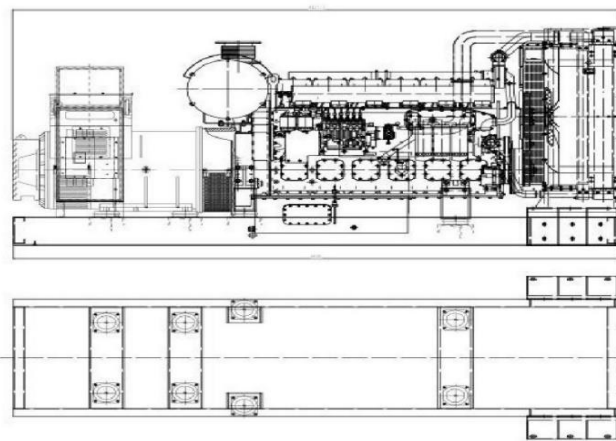


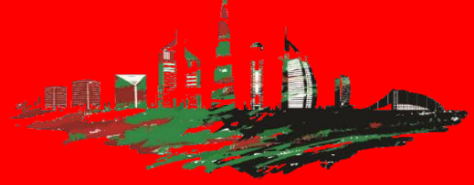
Performance Data

Model	MPE-1915S	
Speed control type	Electronic	
Phase	3	
Control system	Digital	
Starter motor voltage	12/24V	
Frequency	50HZ	
Engine speed	1500	
Fuel Consumption (L/H)	100% standby power	375.0
	100% prime power	342.0
	75% prime power	260.0
	50% prime power	183.0

Dimension and Weight

Dimension	Open	Silent
Length (L) mm	5470	12192
Width (W) mm	2205	2438
Height (H) mm	2810	2896
Net Weight (Kg)	-	-
Fuel Tank (L)	-	-



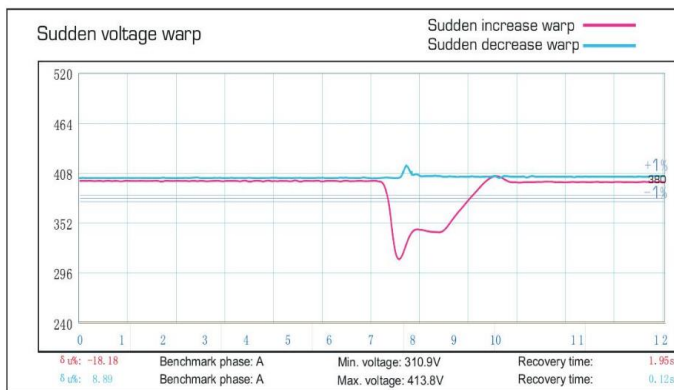


• **Specification:**

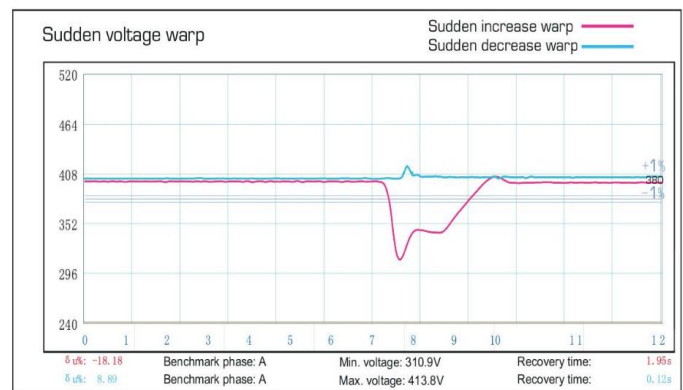
Engine	
Engine manufacturer	Mitsubishi
Engine model	S16R-PTA-C
No. of cylinders	16
Cylinder arrangement	V
Cycle	4 stroke
Air intake way	Turbocharger
Compression ratio	14.1:1
Bore	170 mm
Stroke	180 mm
Displacement	65.37 L
Governor Type	0
Starting system	0

Alternator	
Alternator manufacturer	LeroySomer
Alternator model	LSA52.3 S5
Number of phase	3
Power factor (Cos Phi)	0.8
Poles	4
Winding Connections (standard)	Star-serie
Terminals	12
Insulation type	H class
Winding Pitch	2/3
IP Rating	IP23
Excitation system	0
Bearing	Single bearing
Voltage regulator	A.V.R
Couping	Flexible disc

Emergency voltage curve



Emergency frequency curve



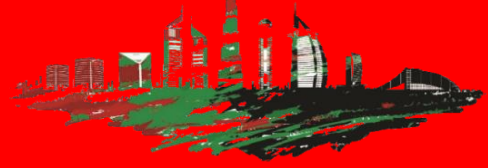
• **Options**

Engine	Alternator	Generator Sets	Fuel System
<ul style="list-style-type: none"> Water Jacket Pre-heater Fuel heater 	<ul style="list-style-type: none"> Winding Temp measuring Instrument Alternator Pre-heater PMG Anti-damp and anti-corrosion treatment Anti-condensation heater Winding and bearing RTD 	<ul style="list-style-type: none"> Tools with the machine Extended range fuel tank Bunded fuel tank 	<ul style="list-style-type: none"> Low fuel level alarm Automatic fuel feeding system Fuel T-valves
Canopy	Lub oil system	Cooling System	Control Panel
<ul style="list-style-type: none"> Rental type Canopy Trailer 	<ul style="list-style-type: none"> Oil Pre-heater Oil temp sensor 	<ul style="list-style-type: none"> Front heat protection 	<ul style="list-style-type: none"> Remote control panel ATS Synchronizing controller Adjustable earth leakage relay



MINH PHU ELECTRIC

IN POWER WE TRUST



• Control Panel

Configuration

- Emergency stop button
- Protection MCB
- Battery charger
- Integrated aviation plug
- ATS connection
- Digital control module

Features

- 3 phase generator set monitoring
- Support of engines equipped with electronic control unit
- Comprehensive diagnostic message
- Automatic or manual start/stop of the gensets
- Push buttons for simple control, 1750
- Graphic back-lit LCD display
- Parameters adjustable via keyboard or PC
- Mains measurements (50HZ/60HZ)
- Generator measurements (50HZ/60HZ)
- Comprehensive shutdown or warning on fault condition
- 3 phase Generator protections
 - Over-/under voltage
 - Over-/under frequency
 - Current/voltage asymmetry
 - Over current/overload
- 3 phase AMF function
 - Over-/under frequency
 - Over-/under voltage
 - Voltage asymmetry
- Configurable analog inputs
- Battery voltage, engine speed (pick-up) measurement
- Configurable programmable binary inputs and outputs
- Warm-up and cooling functions
- Generator C.B. and Mains C.B. control with feedback and return timer
- RS232 interface
- Modem communication support
- Hours counter
- Sealed to Ip65
- Event log

Benefits

- Less wiring and components
- Integrated solution
- Less engineering and programming
- User friendly set-up and button layout
- Module can be configured to suit individual applications
- PC software for simplified configuration
- Wide range of communication capabilities

Operation conditions

- Operation temp: -20 °C to + 70 °C
- Storage temp: -30 °C to + 80 °C
- Operating humidity: 95% w/o condensation
- Vibration: 5-25Hz, ±1.6 mm
5-100Hz, a= 4g
- Shocks: a= 500m/s²

Options

- Ethernet interface (Remote monitoring and control)
- GSM modem/wireless internet (Remote monitoring and control)
- RS232-RS485 Dual port interface
- Synchronizing control panel
- Distribution board with sockets kit and power busbar
- Battery trickle charge ammeter
- Earth leakage protection
- Earth fault protection
- Low fuel level alarm
- Low fuel level shutdown
- High fuel level alarm
- Fuel transfer system control
- Low coolant level shutdown
- High lube oil temp shutdown
- Overload via Fuel Tank (L)
- Engine coolant heater controls
- Control panel heater
- Speed adjust switch
- Oil temp displayed on LCD screen
- Additional 8 inputs and outputs



MINH PHU ELECTRIC

codiencongnghiep.com.vn

info@minhphu.org

Distributed by