

WINTPOWER®



WT-M825 Technical Data sheet



Professional Genset Manufacture On Your Side
FUZHOU WINTPOWER TECHNOLOGY CO., LTD.

DIESEL GENERATOR Powered by Mitsubishi Engine

STANDARD SPECIFICATION

Three phase four wire,output voltage 380/220V,50HZ,between 0.8 lagging,protection capability according with the standard of NAME1 and IP23.

General Features:

- ΔComposed of Mitsubishi diesel engine and Stamford alternator
- ΔOil and fuel filter fitted,water separator
- ΔLube-oil drain valve fitted
- ΔElectric Starter Charge motor 24 VD.C
- ΔWater-cooled
- Δ8-hours operation base tank
- ΔAuto start
- ΔOptional soundproof and weatherproof canopy
- Δ3 pole MCCB Delixi breaker/Optional ABB
- ΔOperation & Maintenance manual
- ΔSpecial Integrated Steel Base tank and sprayed overall in gloss enamel paint

Voltage Regulation

- Voltage regulation maintained within $\pm 0.5\%$
- Between 0.8 and 1.0 lagging and unity
- From no load to full load
- At speed droop variation upto 4.5%

Frequency Adjustable Ratio

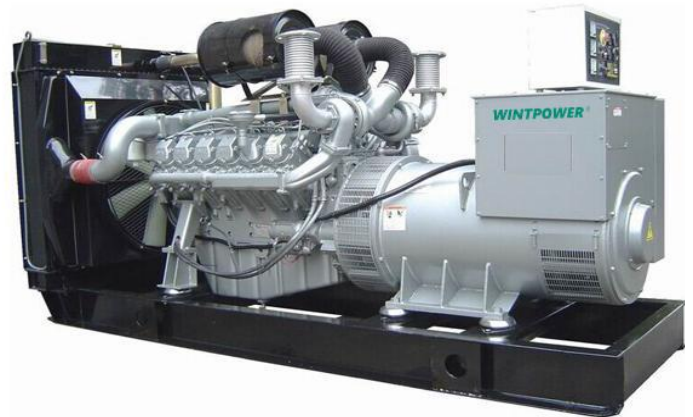
- Change load from 0-100%,within 1.0%(electric speed regulator),within 4.5%(mechanical speed regulator)

Frequency Undulation

- load from 0-100%,frequency undulation within 0.25%
- No load wire volts max undulation ration\ within 1.8%
- Three Phrased balanced load in the order of 5%

Effect factor of Telecom

- TIF better than 50
- THF to IEC60034 Part 40 better than 2%



50HZ, 1500RPM, 3-PHASE, 380/220V

Gensets model	Power output(KVA)		Power output (KW)		Cummins Engine Model	Stamford Alternator
	PRP	ESP	PRP	ESP		
WT-M825	750	825	600	660	S6R2-PTAA-C	LVI 634B

Note:

- (1) Available in the following voltages:220V-240V AND 380V-415V(440V)-50HZ
- (2) PRP:Prime Power-Continuous duty operation,under variable load 24/24-h-10% overload permissible 1 hour/12hours.
- (3) Rating Definitions (Operation at Altitude $\leq 1000m$, Ambient temperature $\leq 40^{\circ}C$)Continuous Power.These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power.There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

Engine & Alternator

ENGINE--Industrial 4 stroke cooled diesel engine complete with air,fuel and oil filters,electric starting and charging equipment,engine protection against low water level.

ALTERNATOR--Brushless,self exciting,self regulation,sreen protected,drip proof rated in accordance with IEC60034.Voltage regulation maintained within $\pm 0.5\%$ from no load to full load.between 0.8 lagging and unity.All standard voltages available.

COOLING--Radiator and colling fan complete with protection guards,designed to cool engine at specified output in air temperatures upto 45 °C ,radiators suitable for higher temperatures are available.Low water level protection fitted as standard.

ELECTRICAL SYSTEM--24V upto.Axial type starter motor,battery charging alternator,high capacity lead acid battery,and battery tray mounted on the generator base frame,and heavy duty interconnecting cable with terminations.

EXHAUST SYSTEM--Heavy duty industrial exhaust silencer with flexible piping.

Technical Data Sheet

Generating sets model:

380/220V,50Hz,1500 rpm

		Genset Option Features	
Engine Model:	Mitsubishi S6R2-PTAA-C	ΔLow fuel level alarm shutdown	
Type	6 cylinder,4 cycle diesel	ΔAutomatic Fuel Filling System	
Aspiration	Turbocharged inter-cooled	ΔEngine oil feeding and drain pump	
Bore/Stroke	mm 170X220	ΔAuto Transfer Switch(ATS)	
Compress the ratio	14.1 : 1	ΔParallel control panels	
Cooling system	Water-cooled	ΔCircuit Breaker MCCB & ACB	
100% Load Fuel Consumption	g/kwh 195	ΔRemote Control Panel	
Engine Speed/Frequency	RPM/Hz 1500/50HZ	Δweatherproof/soundproof Canopy	
Rated Output	kw/bHP 645/864	ΔTrailer type Gensets	
Exhaust air flow	(m3/min) 54	QUALITY STANDARDS	
Coolant Capacity	L 55	ISO9001:2000,ISO14000,ISO3046	
Starting System	Electric 24 volt DC	ISO8528 BS4999	
Displacement	L 29.96	BS5514,AS1359,ICE34	
Lubricant system Capacity	L 94	CE Compliance	
Battery Volatge / Capacity	24VDC	Gensets Dimensions & Weight	
Governing Type	Electrical (GAC governor)	Open type:L*W*H,mm	
Exhaust Gas Temperature	°C 98	4023×1810×1953	
Exhaust Gas flow	m3/min 143	Enclosure type:L*W*H,mm	
Noise level	dBA@7m ≤ 80 dBA(canopy type)	5200x2000x2200	

Alternator Technical data

Stamford LVI 634B

Δ Brushless,self exciting

Δclass "H" insulation

Δ Standard degree of protection is IP23

Δself regulating

Δ With fan cooling

Δ Resist Humid grease

ΔAC excitation,roating rectification tube

Δ Stator grease insulation covered

ΔRotator and exciation high polymer,Resist the corruption of oil and acid

Δ Rotator ballance is in accordance with BS5625 standard 12.5

Δ High-quality lubrication sealed long-time bearing

Δ Rotator silicon steel close tight

Exciter	Brushless
Cooling Fan	Cast alloy aluminum
Bearing	Single,double shielded
Windings	100% copper
Connection Type	Reconnectable
Insulation Type	Class H
Pitch	2/3
Amortisseur Winding	Full
Voltage Regulator	AS440
Voltage Regulator NL-FL	$\pm 0.5\%$
Underspeed Protection	Standard
Overexcitation Protection	IP23
TIF (1960 Weightings)	<50
Exciation System	PMG

Control Panel - DEEPSEA8610

The base mounted control panel in a vibration isolated sheet steel enclosure.The control panel is equipped as follows:

- a) Instruments: Analogue Voltmeter, Hours Run Meter, Water pressure Meter.
 b) Controls: Emergency Stop Pushbutton, Voltmeter Phase Selector Switch.
 c) Control module: Standard collocation is DSE8610 Auto start .



DSE8610

Main Features:

- Δ Automatic mains failure
- Δ Engine control, Generator protection
- Δ Built in alarms and warnings
- Δ Remote Start operation available
- Δ Daily / weekly / monthly exerciser
- Δ Weekly operation schedule programs
- Δ Fuel pump control
- Δ ECU control and monitoring
- Δ Mains simulation
- Δ Block heater control
- Δ Field adjustable parameters
- Δ Free MS-Windows Remote monitoring
- Δ LED displays
- Δ Configurable analogue inputs
- Δ I/O expansion capability

Robust Corrosion Resistant Construction

- Δ Black finish stainless steel lock and hinges
- Δ body made from steel components treated with polyester powder coating

Excellent Access for Maintenance

- Δ two large doors on each side
- Δ radiator fill access plate
- Δ lube oil and cooling water drains pipes to exterior of the enclosure

Security and Safety

- Δ control panel viewing window in a lockable access door
- Δ emergency stop push button (red) mounted on enclosure interior
- Δ cooling fan and battery charging alternator fully guarded
- Δ exhaust silencing system totally enclosed for operator safety



WINTPOWER, reserves the right to modify the characteristics of its product at any time in order to incorporate the latest technological developments. The information contained in this document may therefore be changed without notice. For more technical data, contact sales@wintpower.com

Manufacture: FUZHOU WINTPOWER TECHNOLOGY CO., LTD.