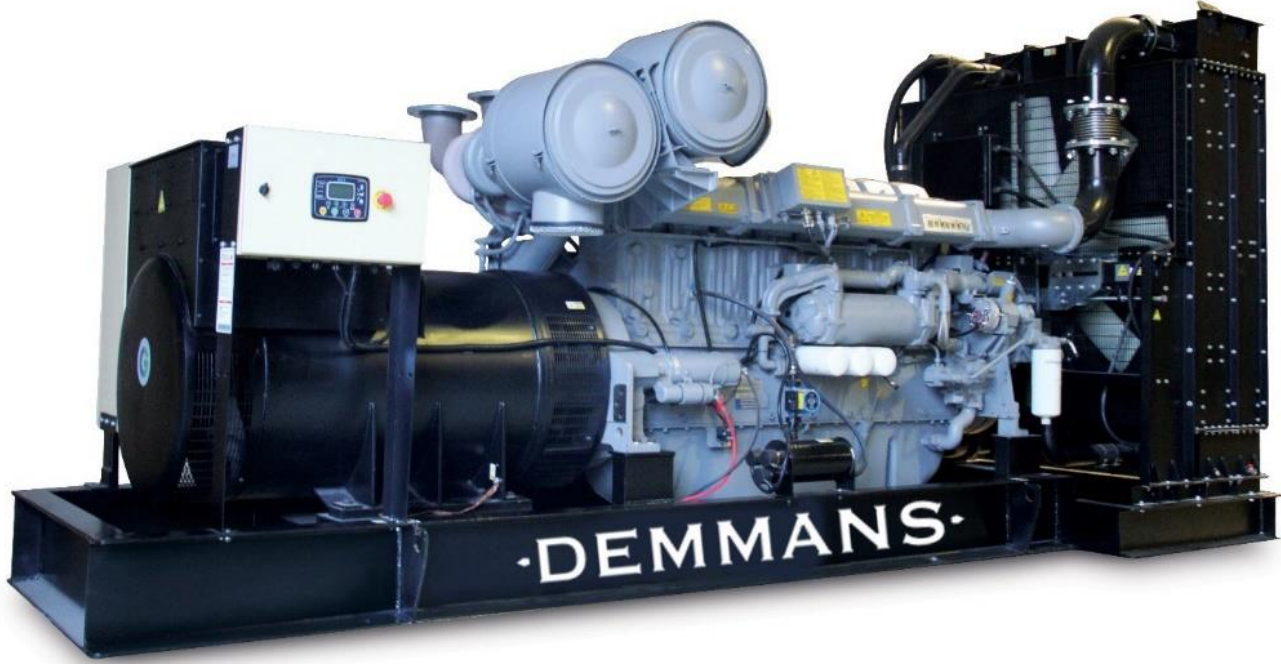




DEM 2575DW

**DEMANS
DIESEL GENERATING SET
TECHNICAL SPECIFICATIONS**





ELECTRICAL			
FREQUENCY	VOLTAGE	PRIME	STAND-BY
50 Hz	400/230 V	2311 kVA / 1849 kW	2576 kVA / 2061 kW
Rated Speed	1500 RPM		
Phase	3		
Power Factor	0,8		

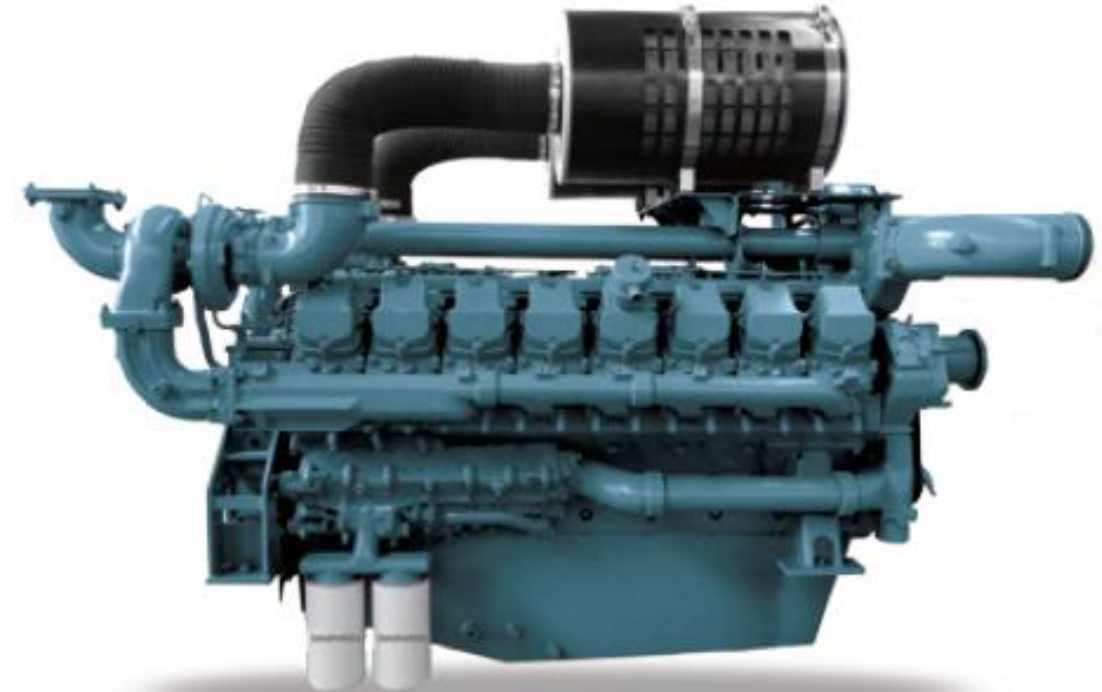
Prime : This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

Stand-by : This rating is for the supply of continuous electrical power at variable load , in the event of utility power failure. No overload is permitted

WEIGHT AND DIMENSIONS			
		OPEN	CANOPY
Length	mm	5800	9145
Width	mm	2600	2470
Height	mm	3100	3100
Wet Weight	kg	14800	19650

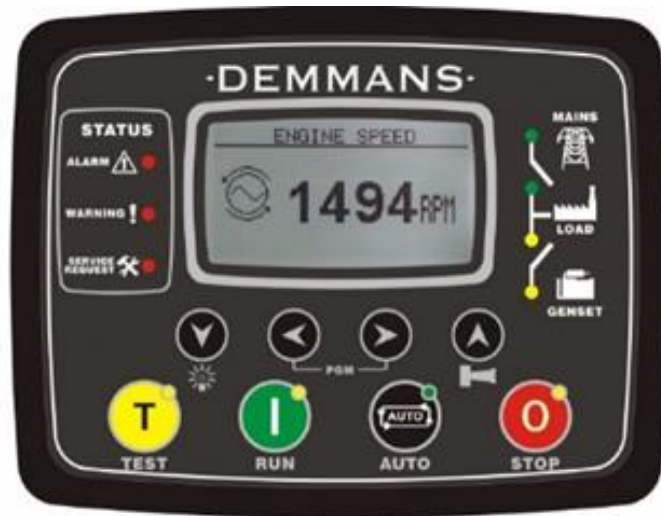
ENGINE		
Output Rating	kWm	2140
Manufacturer and Model		Daewoo 16DWG-2500
Fuel		Diesel
Injection		Direct
Aspiration		Turbocharged & Air to Air Intercooled
Cylinders		16
Bore and Stroke	mm	170 x 195
Displacement	lt	70,8
Cooling		Water
Engine Oil Specification		SAE 15W40
Compression Ratio		13,5 : 1
Engine Oil Capacity	lt	240
Coolant Capacity (incl.radiator)	lt	500
Governor		Electronic
Air Filter		Dry element
Fuel Consumption		50 Hz
110 % Load	lt/h	503,0
100 % Load	lt/h	453,0
75 % Load	lt/h	343,0
50 % Load	lt/h	240,0

ALTERNATOR		
Poles		4 pole
Winding Connections		Star
Insulation		Class H
Enclosure		IP23
Exciter System		Self regulating Brushless
Voltage Regulator		AVR
Steady State Voltage Regulation		± 1 %
Bearing		Single bearing sealed
Coupling		Flexible disc
Cooling		Direct drive centrifugal blower fan



FUEL SYSTEM		
Diesel Specification		EN590
Fuel Tank Capacity	lt	TBA

CONTROL PANEL - DMP500



The DMP500 is next generation genset control unit combining multi-functionality and wide communication possibilities together with a reliable and low cost design.

The unit complies and mostly exceeds world's tightest safety, EMC, vibration and environmental standards for the industrial category. Software features are complete with easy firmware upgrade process through USB port. The Windows based PC software allows monitoring and programming through USB, serial and GPRS.

CONTROL PANEL FEATURES	
Alarm and Shutdown functions	
High Coolant Temperature	Alarm & Shutdown
Low Oil Pressure	Alarm & Shutdown
Battery High / Low Voltage	Alarm
Battery Charger Alternator Failure	Alarm
Overspeed / Underspeed	Alarm & Shutdown
Failure to Start	Alarm & Shutdown
Low Coolant Level	Alarm & Shutdown
Stop Fault	Alarm & Shutdown
Low Fuel Level	Alarm
Service Required	Alarm
Generator High / Low Voltage	Alarm & Shutdown
Generator High / Low Frequency	Alarm & Shutdown
Symmetry between Phases	Alarm & Shutdown
Over Current	Alarm & Shutdown
Rectifier Fail	Alarm
ECU failure	Alarm
Measure and Monitor functions	
Total Run Hour	Coolant Temperature
kW meter - Generator	Oil Pressure
Service Indicator	Fuel Level
Phase to Phase Voltage - Mains	Battery Voltage
Phase to Neutral Voltage - Mains	Engine RPM
Phase to Phase Voltage - Generator	Battery Charge Alternator Voltage
Phase to Neutral Voltage - Gen.	Frequency - Generator & Mains
Phase current - Generator	Power Factor - Generator
Other functions	
Events History	Programmable Timer
External Start Capability	Multi Lingual
Start Restriction Program	Lamp test
Mains Failure Start	Remote Monitoring
Test Run Start (On load & off Load)	Manual Override
Allows SMS controls	Remote Programming
Fuel consumption counter	Magnetic Pick Up Input
Waveform display of voltage & current	Total Harmonic Distortion view
Programmable as an ATS controller	Manual "speed fine adjust" on selected ECUs
Standardized USB port for programming and communication	J1939-CANBUS for electrocally governed engines

GENERATOR FEATURES	STANDARD		OPTIONAL	GENERATOR FEATURES	STANDARD		OPTIONAL
	MANUAL	AUTOMATIC			MANUAL	AUTOMATIC	
ENGINE				ENGINE			
Engine		•	X	ELECTRICS			
Cooling Pack		•	X	Alternator		•	X
Tropical Radiator	X		•	Circuit Breaker - 3 poles		X	•
Heavy Duty Air Filter	X		•	Circuit Breaker - 4 poles		X	•
Electronic Governor		•	X	Battery Isolator		X	•
High Coolant Temperature Sender		•	X	Earth Fault Protection		X	•
Low Oil Pressure Sender		•	X	Anti condensation Heater		X	•
Low Coolant Level Sender		•	X	Optional Voltages		X	•
Radiator Guards		•	X	Class F insulation		X	•
Hot Component Guards		•	X	External Stop Button - Canopy		•	X
Manual Oil Drain Pump	X		•	GSM SMS message sending on fault		X	•
Fuel Prefilter	X		•	Battery Charger	X		• (Manual)
Water Jacket Heater	X	•	• (Manual)	ATS Panel - 3 Poles	X		X
Industrial Silencer - Open Set		•	X	ATS Panel - 4 Poles	X	X	• (Automatic)
Residential Silencer - Open Set	X		•	Synchronisation Panel	X	X	• (Automatic)
Residential Silencer - Canopy		•	X				• - Available X - Not Available
Cold start aid	X		•				
Remote Radiator	X		•				
Trailer	X		•				

DEMMAANS Generating Sets are CE certified and conform to the following standards ;

- Power according to ISO 3046 and ISO 8528
- EN 12100 , EN 13857 , EN 60204
- 2006/42/CE Machinery Safety
- 2006/95/EC Low Voltage
- 2004/108/CE EMC
- Ambient reference conditions 1000 mbar, 25 °C, 30 % relative humidity ISO8528

All the information in this leaflet is intended for general purposes only. DEMMAANS reserves the right to change the specifications without notice.

DEMMAANS

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