emepowersolutions.com
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PRODUCT DATASHEET

MODEL P50 – BWP – 1 Ph

46.3 kVA	37.0 kW	41.9 KVA	33.5 KW
ESP	ESP	PRP	PRP

50 HZ | PRIME & STANDBY POWER



Illustration; final configuration may vary.

GENERATOR SET – KEY PARAMETERS

GENSET MODEL	P50 – BWP – 1Ph
POWER PRP	37.0 kVA / 33.5 kW
POWER ESP	46.3 kVA / 37.0 kW
FREQUENCY / SPEED	50 Hz / 1500 RPM
OUTPUT VOLTAGE	230 V
WIRING METHOD	1 - Phase, 4 - Wire
POWER FACTOR	0.8 pf lagging
ENCLOSURE TYPE	Silent (Sound Attenuated) 72 dBA @ 7m



Acoustic Vents



Premium DSE Controller



Easy Maintenance

DIESEL ENGINE

ENGINE BRAND	Perkins
ENGINE MODEL	1103A-33TG1
OIL – WATER SEPERATOR	Self - contained
Battery Charger	Standard

ALTERNATOR

BRAND	Stamford
MODEL	UCI 224G1
SPACE HEATER	Included
EXCITATION	Brushless Self Exciting (AVR)
INSULATION CLASS	H / H
PROTECTION CLASS	IP23



DEEP SEA DSE

MADE IN BRITAIN

AUXILIARY SYSTEMS

CONTROL MODULE	DEEPSEA DSE 7320 MKII
COOLING RADIATOR	50 °C (122 °F) ambient
CIRCUIT BREAKER	Included
COOLANT HEATER	Optional
STARTING BATTERY	Included
FUEL TANK	260 litres Single Skin
BATTERY	Included

STANDARD SUPPLY

Installation Accessories	Corrugated vibration isolators, smoke bends, industrial silencers, standard connection parts, standard tools kit.
Documentation	Electrical drawings, operation & maintenance manuals, generator test report, certificates of conformity.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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ENGINE TECHNICAL PARAMETERS - CUMMINS 6LTAA9.5-G1 - DIESEL

Structural Form	Four Stroke	**LUBRICATION SYSTEM**	
Number of Cylinders	3 (In Line)	Total Lube Capacity	11.8 Liters
Displacement	3.3 L		
Bore / Stroke	105mm / 127mm	**COOLING SYSTEM**	
Compression Ratio	17.25:1	Coolant Capacity	8.3 Liters
Aspiration	Turbo Charged		
Governor	Mechanical		
Cooling Method	Closed Water Cooling		
Speed	1500 RPM		

FUEL CONSUMPTION

50% Load	75% Load	100% Load	110% Load
5.58 liters/hour	7.98 liters/hour	10.52 liters/hour	11.77 liters/hour

ALTERNATOR TECHNICAL PARAMETERS – Mecc Alte ECP28-2S4C

Rated Power	41.9 kVA / 33.5 kW
Number of Poles	4
Winding Number	T0405S3
Bearing Type	Single Bearing
Protection Class	IP23
Insulation Class	H
Excitation Method	Brushless Self-Exciting
Voltage Regulation	Model DSR
Telephone Impact Factor (TIF)	< 50
Telephone Harmonic Factor (THF)	< 2%
Space Heater	Included as standard

CONTROL SYSTEM - DSE 7320 MKII

BRAND	**Deep Sea Electronics**
Model	DSE 7320 MKII
Configurable Inputs / Outputs	6 digital + 3 analogue senders / 6
Key Features	Auto-start, auto mains failure (AMF) control, LED indicators

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

MODEL P50 – BWP – 1 Ph	46.3 kVA	37.0 kW	41.9 KVA	33.5 KW
50 HZ | PRIME & STANDBY POWER	ESP	ESP	PRP	PRP





DIMENSIONS & WEIGHT

Canopied or Open Type			
Canopy 2286 / Open 2200 LENGTH (mm)	Canopy 1104 / Open 1000 WIDTH (mm)	Canopy 1620 / Open 1535 HIGHT (mm)	Canopy 1230 / Open 1100 WEIGHT (kg)

RATING CONDITIONS

Reference Ambient Temperature	50 °C
Reference Altitude	1000 m above sea level
Frequency Regulation	± 0.25 Hz steady state
Voltage Regulation (AVR)	± 1% no-load to full load
Standards Compliance	ISO 8528, BS EN 60034

DISCLAIMER

All ratings are at 40 °C ambient temperature and 1000 m altitude unless stated otherwise. Prime power ratings apply to variable load operation for an unlimited number of hours. Standby ratings apply to supplying emergency power for the duration of a utility power outage. Derating may be required for elevated ambient temperatures or altitudes. ABB circuit breaker and AISIKAI ATS are available as factory-fitted options - confirm at time of order. In line with our policy of continuous product development, we reserve the right to change specification without notice.

Dealer contact details:

EME POWER

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