



PortaPack™ MODEL: **P-100NEP**



Picture for example purposes only. Actual unit may vary.

PortaPack™ RATING		
Duty	60 Hz @ 1800 rpm	
	kW	kVA
Standby	140	175
Prime	125	156

10 Integrated Receptacles
125 kW Prime

STANDARD PortaPack™ FEATURES

ENGINE, 4 Cycle, Heavy Duty, suitable for operation on #2 diesel

Delivers Reliable Power, Low Exhaust Emission, and Fast Response to Load Changes

- NON-EPA Certified Industrial Engine
- Fuel Filter Elements w/ Fuel Water Separator Sys
- Fuel Cooler
- Industrial Grade Silencer and Insulation Blanket
- Solenoid Engaged Starter Motor
- Battery Charging Alternator

- Electronic Isochronous Governor
- Jacket Water Pump and Lube Oil Pump
- Oil Cooler - Integral with Filter Header
- Oil Filter - Full Flow Replaceable 'Ecoplus' Filter
- Engine PROTOTYPE Tested
- One Year Limited Engine Warranty

GENERATOR,

Meets NEMA MG1-22, BS5000, CSA22.2, IEC3401, and VDE0530 Standards

Designed and built to comply with relevant UL, NFPA, CSA & IEC Standards

- Brushless, Single Bearing, Class H Insulation - Directly Coupled to Engine
- Automatic Voltage Regulator
- PMG to ensure 300% short circuit current default condition
- One (1) Hour Load Testing (@ 1.0 PF) Prior to Shipment
- One Year Limited Generator Warranty

Trailer, DOT Approved, with Electric Brakes

- 125 Gallon, Single Walled Fuel Tank
- Interior AC and DC Lighting
- Tongue Mounted Output Receptacle Panel with **ESL** Interlock Power Receptacles

- Controls, Auto Start, Unit Mounted Digital Panel
- Emergency Stop Buttons
- SUB-BASE, Heavy Duty Steel with Lifting Provisions

OPTIONS / ACCESSORIES

- Weather Enclosure
- Sound Attenuated Enclosure
- Remote Trees
- Double Walled Fuel Tank

- Battery Charger
- Block Heater
- Fire Suppression System

** Contact your Power Pool Plus sales representative for additional options and accessories to meet your specific requirements

ENGINE SPECIFICATIONS

Engine Manufacturer	Perkins
Engine Model	NON-EPA Certified
Design	4 Cycle, Turbocharged & After cooled
Bore	105 mm (4.13 in)
Stroke	127 mm (5.00 in)
Displacement	6.6 Liters (403 in ³)
Cylinder Block	Cast Iron, In-Line, 6 Cylinder
Battery Capacity	900 amps min at amb temp 0oF-32oF
Battery Charging Alt.	100 amps
Starting Voltage	12 volt, negative ground
Fuel System	Direct Injection, #2 Diesel Fuel
Fuel Filter	Spin-on, with Water Separator
Standard Cooling System	High Ambient Radiator

Engine Performance at 1800 RPM			Fuel Usage	
%	kWm	BPH	gph	lph
Standby Power				
100	162	217	10.4	39.4
Prime Power				
100	145	194	9.5	36
75	109	146	7.4	28
50	73	97	5.2	19.7

GENERATOR DATA

Make / Model	<i>Marathon Alternator</i>		
Design	Four (4) Pole, Brushless	L-L Harmonics - Total	5.00%
Insulation	NEMA MG1, Class H	L-L Harmonics - Single	3.00%
Bearing	Single, Sealed	Deviation Factor	5.00%
Coupling	Flexible Disc	TIF (Telephone Influence Factor)	Less than 50
Temperature Rise (Standby / Prime)	150° C / 125° C	Amountisseur Windings	Full
Winding Pitch	2/3	Sustained 3 Ph short circuit current (w/ PMG)	300%/60Hz and 250%/50Hz
Voltage Regulation (with PMG)	Less than 1%	Over Speed	2250 RPM
Voltage Regulation (without PMG)	Less than 1/2%	Phase Rotation	A,B,C (U,V,W)

ANALOG CONTROL PANEL

Analog Auto Start Control Panel

Standard features meet or exceed requirements as defined by NFPA110 Level 1 and CSA C282

Panel Includes: AC Voltmeter, AC Frequency Meter, Percent of Load Meter, Control Toggle Switch with Off/Auto/Manual positions, and ECU-9988 engine control with specific safety shutdown lights

Gauge Display: Oil Pressure; Water Temperature, Hourmeter, Fuel Level, and DC Voltage

ECU-9988 Features:

- ▶ Engine Started LED
- ▶ Overspeed Shutdown LED
- ▶ Overcrank Shutdown LED
- ▶ High Water Temperature Shutdown LED
- ▶ Low Oil Pressure Shutdown LED
- ▶ The ECU automatically cranks, starts, and monitors the engine for Overspeed, Overcrank, High Water Temperature, and Low Oil Pressure. Engine is automatically shut down should vault occur.
- ▶ ECU module is epoxy encapsulated for excellent field reliability and is factory preset requiring no field adjustments

Control Panel mounted on unit using vibration isolators in a NEMA-1 enclosure with hinged door



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(Data Subject to Change Without Notice)