



POWER PACK MODEL: **PP-300NEP**



POWER PACK RATING		
Duty	60 Hz @ 1800 rpm	
	kW	kVA
Standby	350	438
Prime	320	400

30 Integrated Receptacles
320 kW Prime

STANDARD POWER PACK 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

ISO 20' FT, High Cube Container

1000 Gallon, Baffled Fuel Tank
Interior AC and DC Lighting
Integrated Output Receptacle Panel
with **ESL** Interlock Power Receptacles

Access Door
Emergency Stop Buttons
Spare Parts Storage Bins

OPTIONS / ACCESSORIES

CO₂ Fire Suppression System
Exterior Warning Lights and Alarm
Shore Power Transfer Switch and Receptacle
Double Walled Fuel Tank

Battery Charger
Block Heater
Sound Attenuated Enclosure
Dual Engine, 40ft Containerized, 60 Receptacle

** 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	130 mm (5.12 in)
Stroke	157 mm (6.18 in)
Displacement	12.5 Litres (763 in ³)
Cylinder Block	Cast Iron, In-Line, 6 Cylinder
Battery Capacity	900 amps min at amb temp 0oF-32oF
Battery Charging Alt.	70 amps
Starting Voltage	24 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	BHP	gph	lph
Standby Power				
100	407	546	24.6	93.1
Prime Power				
100	373	500	22.9	87.7
75	280	375	17.7	67
50	187	250	12.8	48.5

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, 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)