



PDG INDUSTRIAL ALTERNATORS



PDG Industrial 224G - 80 kW 3 Phase PF 1.0 – 83 kW

1800 rpm single bearing
Self exciting - Brushless, Synchronous.
1 phase 60 Hz 120/240
3 Phase 60 Hz 120/208, 120/240, or 277/480

100% PURE AMERICAN ESSEX® COPPER

2/3 Pitch Copper Windings are double dipped for extreme environment durability, providing the smooth, clean power needed for sensitive electronics as well as the raw power required for heavy motor applications.

PDG Industrial alternators are designed and built to withstand extreme conditions. They conform to IEC 34-1/34-2, BS 4999/5000 and IS: 4722-2001. The enclosure rating is IP 23 with Class H insulation, satisfying IEC 34-5/IS: 4691/DIN VDE 0530-5 requirements. They are dynamically balanced, brushless, and screen protected. They are self-excited and self-regulated through an AS440 AVR.

Our alternators have the following features:

1. +/- 1.0 % Voltage regulation (max.) in static conditions
2. IP: 23 protections with Insulation class H
3. Permissible overload of 10% for one hour in 12 hours of operation.
4. Excitation boost system (EBS) for unparalleled motor starting capability.

3-PHASE CLASS H TEMPERATURE-RISE (125°C)										
VOLTAGE		50HZ 1500RPM				60HZ 1800RPM				
STAR-SERIES		380	400	415	440	416	440	450	460	480
STAR-PARALLEL		190	200	208	220	208	220	225	230	240
Δ-SERIES		220	230	240	254	240	254	260	266	277
224G	Rated Capacity(KVA)	85	85	85	79	93.8	97.5	98.8	100	104
	Rated Power(KW)	68	68	68	63.2	75	78	79	80	83
	Efficiency(%)	89.9	90.2	90.4	90.8	90.4	90.6	90.7	90.8	91
	Input power(KW)	75.6	75.4	75.2	69.6	83	86.1	87.1	88.1	93.1

*Chart is based on PF 1.0

Our generators have been designed for use in a maximum ambient temperature of 104°F/40°C and altitude less than 3280'/1000M above sea level.

Engine requirements: 128 HP Diesel / 166 HP Gasoline

PDG Industrial Alternator Warranty

Prime - 18 Months / Unlimited Hours

Standby – 30 Months /1200 Hours (600 Hours max per year)

Complete warranty available upon request



Ask your local PDG Authorized Dealer about availability!

