



PDG INDUSTRIAL ALTERNATORS



PDG Industrial 164C - 13.5 kW
3 Phase PF .8 – 13.5 kW / 1 Phase PF .8 – 8.6 kW
1 Phase PF 1.0 – 13.5 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. $\pm 1.0\%$ 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) | | | | | | | | | 1-PHASE CLASS H TEMPERATURE-RISE (125°C) | | | | | | |
|--|---------------------|--------------|------|------|------|--------------|------|------|--|--------------|------|------|--------------|------|------|
| VOLTAGE | | 50HZ 1500RPM | | | | 60HZ 1800RPM | | | | 50HZ 1500RPM | | | 60HZ 1800RPM | | |
| STAR-SERIES | | 380 | 400 | 415 | 440 | 416 | 440 | 460 | 480 | 220 | 230 | 240 | 220 | 230 | 240 |
| STAR-PARALLEL | | 190 | 200 | 208 | 220 | 208 | 220 | 230 | 240 | 110 | 115 | 120 | 110 | 115 | 120 |
| Δ-SERIES | | 220 | 230 | 240 | 254 | 240 | 254 | — | — | | | | | | |
| 164C | Rated Capacity(KVA) | 13.5 | 13.5 | 13.5 | 13.5 | 16 | 16.9 | 16.9 | 16.9 | 9 | 9 | 9 | 10.8 | 10.8 | 10.8 |
| | Rated Power(KW) | 10.8 | 10.8 | 10.8 | 10.8 | 12.8 | 13.5 | 13.5 | 13.5 | 7.2 | 7.2 | 7.2 | 8.6 | 8.6 | 8.6 |
| | Efficiency(%) | 80 | 80.7 | 81 | 81.5 | 80.3 | 80.7 | 81.3 | 81.7 | 75.2 | 75.5 | 75.7 | 75 | 75.6 | 76 |
| | Input power(KW) | 13.5 | 13.4 | 13.3 | 13.3 | 15.9 | 16.7 | 16.6 | 16.5 | 9.6 | 9.5 | 9.5 | 11.5 | 11.4 | 11.4 |

*Chart is based on PF .8

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: 21 HP Diesel / 27 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!

