



PDG INDUSTRIAL ALTERNATORS



PDG Industrial 274C 100 kW Three Phase

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

100% PURE American Essex Copper
IP Enclosure with Class H Insulation
Copper windings are double dipped for extreme environment durability
2/3 pitch winding
Three Phase PF .8

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, 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
274C	Rated Capacity(KVA)	100	100	100	92.5	113	118	118	118	125
	Rated Power(KW)	80	80	80	74	90	94	94	94	100
	Efficiency(%)	89.8	90.4	90.7	91.4	90	90.4	90.7	90.9	91
	Input power(KW)	89.1	88.5	88.2	81	100	104	104	103	110

*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: 154 HP Diesel / 200 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!

