



PDG INDUSTRIAL ALTERNATORS



PDG Industrial 274G 170 kW Three Phase

1800 rpm single bearing

Self exciting - Brushless, Synchronous.

120/240 1 phase 60 HZ

100% PURE American Essex Copper

Insulation Class H

Copper windings are double dipped for extreme environment durability

IP 23 enclosure

2/3 pitch winding

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.

PDG Industrial Alternator Warranty

Prime - 18 Months / Unlimited Hours

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

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
274G	Rated Capacity(KVA)	175	175	175	171	200	213	213	213	225
	Rated Power(KW)	140	140	140	137	160	170	170	170	180
	Efficiency(%)	92.2	92.5	92.7	93	92.2	92.4	92.6	92.7	92.8
	Input power(KW)	152	151	151	147	174	184	184	183	194



Ask your local PDG Authorized Dealer about more sizes!

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