



PRECISION INDUSTRIES®

PI 250P/50Hz
PI 269P/60Hz

THE POWER OF DUBAI

| Output Power Ratings | | | Prime* | | Standby** | |
|----------------------|-----------|---------|--------|-----|-----------|-----|
| rpm | Frequency | Voltage | Kva | kW | Kva | kW |
| 1500 | 50Hz | 400 | 230 | 160 | 250 | 176 |
| 1800 | 60Hz | 480 | 245 | 196 | 269 | 215 |

Generator speed @ 1500/1800 rpm

The above KW ratings are at 0.8 pf
Guaranteed within conditions equivalent to those specified in ISO 8528-1, ISO 3046-1 and BS 5514-1.

| Engine Technical Data | |
|----------------------------|--|
| Engine Make and Model | Perkins 1506A-E88TAG2 |
| Cylinders | 6 Vertical In-Line |
| Aspiration | Turbo Charged Air-to-Air Charge Cooled |
| Combustion System | Direct Injection |
| Displacement | 8.8 liters |
| Governor | Electronic |
| Emissions Regulations | EU Stage II |
| Electrical Starting System | 24 Volt Starter Motor And 24V 45 Amp Alternator With DC Output |

| Air Systems | |
|--|---------------------------------|
| Air Filter Type | Dry Paper Element (Replaceable) |
| Combustion Air Flow m ³ /min (cfm) | 50 Hz |
| | 60 Hz |
| Prime | 12.6 (444.9) |
| | TBD |
| Standby | 13.2 (466.1) |
| | TBD |
| Maximum Air Filter Intake restriction | 6.0kPa |
| | TBD |

| Fuel System | |
|--------------------------------------|---------------------------------------|
| Fuel Filter Type | Spin-On With Pre-Filter (Replaceable) |
| Recommended Fuel | Class A2 Diesel |
| Engine speed | 1500 rpm |
| | 1800 rpm |
| Fuel Consumption l/hr (US gal/hr) | Standby |
| | Prime Power |
| %75 of Prime Power | 51.5 (13.05) |
| | TBD |
| %50 of Prime Power | 48.6 (12.09) |
| | TBD |
| Fuel Tank Capacity: Open / Close | 35.7 (9.16) |
| | TBD |
| | 23.5 (6.10) |
| | TBD |

| Lubrication System | |
|--------------------|---|
| Lube Oil | API-CH4/ CG4 or ACEA E3 SAE 15W-40 (-10 C to +50 C Ambient Temperature) |
| Lube Oil Capacity | 16.5 L |
| Oil Pan | 14.9 L |
| Oil Filter Type | Full Flow Spin-on (Replaceable) |
| Oil Cooling Method | Water |

| Cooling System | |
|--|--------------------------------|
| Coolant Capacity | 21 L |
| Cooling System | Mounted Radiator, Water Cooled |
| Cooling fan air flow m ³ /min (cfm) | 282 |
| | - |
| 50 Hz | 60 Hz |
| | 12.8 |
| Prime | TBD |
| | 13.2 |
| Standby | TBD |

| Exhaust System | | |
|---|---------|---------------|
| Silencer | Grade | Industrial |
| | Size | 4" |
| | Qty | 1 |
| Exhaust Gas Flow m ³ /min (cfm) | Prime | 34.9 (1232.4) |
| | Standby | 36.8 (1299.5) |
| Maximum allowable backpressure | 50 Hz | 10.0 kPa |
| | 60 Hz | 10.0 kPa |
| Exhaust Gas Maximum Temp | Prime | 550°C |
| | Standby | 550°C |

| Alternator Technical Data | | Stamford | | | | | | | |
|---|---|--------------|-----|-----|-----|-------|-------|-------|-------|
| Model Number | | UCD274J | | | | | | | |
| No. of Poles | | 4 | | | | | | | |
| Number of Terminals (Leads) | | 12 | | | | | | | |
| A.V.R. & Excitation | | AS 460 | | | | | | | |
| Regulation | | ± 1.0 % | | | | | | | |
| Ingress Protection | | IP-23 | | | | | | | |
| Insulation Class | | H | | | | | | | |
| TIF | | <50 | | | | | | | |
| THD at Full Load % | | <5% | | | | | | | |
| THD at No Load % | | <1.5% | | | | | | | |
| Cooling Air Flow- @ 50 Hz m ³ /min (cfm) | | 34.80 (1230) | | | | | | | |
| Cooling Air Flow- @ 60 Hz m ³ /min (cfm) | | 41.40 (1463) | | | | | | | |
| Output Voltages | | 50Hz | | | | 60Hz | | | |
| | V | 380 | 400 | 415 | 440 | 415 | 440 | 460 | 480 |
| kVA | | 260 | 260 | 260 | N/A | 294 | 306 | 319 | 325 |
| Kw | | 208 | 208 | 208 | N/A | 235.2 | 244.8 | 255.2 | 260.0 |

| Alternator Performance Data | | | | | | | | | |
|-----------------------------|------|-------|------|-------|-------|-------|-------|-------|-------|
| Reactance (f.l.c.f) | Xd % | 221.6 | 200 | 185.8 | 157.0 | 256.4 | 238.0 | 217.8 | 200.0 |
| | Xd'% | 12.2 | 11.0 | 10.2 | 8.6 | 14.1 | 13.1 | 12 | 11 |



Made in UAE



ISO 9001 : 2008 Certified

