

Output Ratings

| Generating Set Model | P730P1 | P800E1 |
|----------------------|-----------------------|-----------------------|
| 380 – 415V, 50 Hz | 730 kVA 584 kW | 800 kVA 640 kW |
| 480V, 60 Hz | 750.0 kVA 600.0 kW | 844.0 kVA 675.2 kW |

Ratings at 0.8 pf

Ratings Definitions

Prime Power – Model P730P1

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

Standby Power – Model P800E1

These ratings are applicable for supplying continuous electrical power (at variable load) in event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated. (as defined in ISO8528-3).

Technical Data

| | | |
|---|--------------------------------|---------------|
| Engine Model: | Perkins 4006TAG2A | |
| Alternator Model: | LL7024L | |
| Number of Cylinders: | 6 in line | |
| Cubic Capacity: Litres (cu.in) | 22.9 (1398.7) | |
| Bore/Stroke: mm (in) | 160 (6.3)/190 (7.5) | |
| Compression ratio: | 13.6:1 | |
| Aspiration: | Turbocharged, AA Charge Cooled | |
| Frequency: | 50 Hz | 60 Hz |
| Engine Speed: | 1500 RPM | 1800 RPM |
| Gross Engine Power: kW (hp) | 711 (953) | 759.0 (1018) |
| BMEP: kPA (psi) | 2481 (359.9) | 2208 (320.2) |
| Piston Speed: m/sec (ft/sec) | 9.50 (31.2) | 11.4 (37.4) |
| Fuel Tank Capacity: Litres (US Gal) | 1494 (394.7) | 1494 (394.7) |
| Fuel Consump, P730P1: 1/hr (USg/hr) | 149.8 (39.6) | 167.0 (44.1) |
| Fuel Consump, P800E1: 1/hr (USg/hr) | 163.4 (43.2) | 189.1 (50.0) |
| Heat Rejection to Exhaust System: kW (Btu/min) | 499 (28378) | 680.0 (38671) |
| Heat Rejection to Cooling System: kW (Btu/min) | 230 (13080) | 243 (13819) |
| Total Radiated Heat: kW (Btu/min) | 88.7 (5044) | 98.9 (5624) |
| Exhaust Temperature: °C (°F) | 430 (806) | 430 (806) |
| Radiator Cooling Air Flow: m3/min (cfm) | 1134 (40047) | 1326 (46827) |
| Combustion Air Flow: m3/min (cfm) | 71 (2507) | 73 (2578) |
| Exhaust Gas Flow: m3/min (cfm) | 180 (6357) | 190 (6710) |

Note: Standard reference conditions 27°C (80°F) Air Inlet Temp, 152.4m (500ft) A.S.L. 60% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2.

Dimensions and Weights

| Length: mm (in) | Width: mm (in) | Height: mm (in) | Dry: kg (lb) | Wet: kg (lb) |
|-----------------|----------------|-----------------|--------------|--------------|
| 4280 (168.5) | 1912 (75.3) | 2277 (89.6) | 6059(13358) | 6170(13603) |

Dry = With Lube Oil Wet = With Lube Oil and Coolant

Generating set pictured may include optional accessories

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In line with our policy of continuous product development, we reserve the right to change specification without notice.



YOUR PARTNER IN POWER

P730P1 – P800E1



Jan-08