



Data Centre Continuous Ratings

FG Wilson has established, in conjunction with Perkins Engine Company Limited "Perkins", a continuous rating for engines operating in data centre applications called Data Centre Continuous Ratings (DCC). Please refer to the table below for the DCC ratings which have been rated for unlimited hours of operation, with no restrictions on average variable load factor up to 100% constant load. 10% overload for 1 hour in every 12 hours operation is available within the rating. These ratings are consistent with the requirements of the Uptime Institute's Tier III /IV classification.

| Generator Set Model | Engine Model | Engine GEP (kWm) | Alternator Model | Generator Set DCC Rating (kVA) | Generator Set DCC Rating (kWe) |
|---------------------|---------------|------------------|------------------|--------------------------------|--------------------------------|
| P550-3 | 2506A-E15TAG2 | 451 | LL6114F | 500 | 400 |
| P715-3 | 2806A-E18TAG2 | 451 | LL6114F | 500 | 400 |
| P730P1 | 4006-23TAG2A | 658 | LL7024L | 730 | 584 |
| P800P1 | 4006-23TAG3A | 705 | LL7024P | 800 | 640 |
| P910P1 | 4008TAG1A | 805 | LL7124P | 910 | 728 |
| P1000P1 | 4008TAG2A | 899 | LL7124P | 1000 | 800 |
| P1250P3 | 4012-46TWG2A | 1113 | LL8224H | 1250 | 1000 |
| P1350P1 | 4012-46TWG3A | 1207 | LL8224L | 1350 | 1080 |
| P1500P3 | 4012-46TAG2A | 1331 | LL8224N | 1500 | 1200 |
| P1700P1 | 4012-46TAG3A | 1500 | LL9324F | 1700 | 1360 |
| P1825 | 4016TAG1A | 1588 | LL9324F | 1825 | 1460 |
| P2000-1 | 4016-61TRG1 | 1648 | LL9324F | 1850 | 1480 |
| P2000 | 4016TAG2A | 1766 | LL9324H | 2000 | 1600 |
| P2250-1 | 4016-61TRG2 | 1774 | LL9324H | 2000 | 1600 |
| P2500-1 | 4016-61TRG3 | 1975 | LL9324P | 2250 | 1800 |

The above ratings are based on the following:

1. Voltage 380-415V, 50Hz
2. Alternator model selected to achieve the maximum rating
3. Standard cooling system package
4. Normal temperature and pressure (NTP) site conditions 25°C (77°F) Air Inlet Temp, 100m (328 ft) A.S.L. 30% relative humidity.

Please note, these ratings are subject to Perkins servicing and preventative maintenance procedures. Site specific demand and non-linear characteristics of the data centre loads are project specific and must be considered on an individual basis.