CATERPILLAR®

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24/10/2016

Data Centre Continuous Ratings

Caterpillar (NI) Limited (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)
P550-1	2506A-E15TAG2	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

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.