

Data Centre Continuous Ratings

05/11/2019

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, if not otherwise stated. These ratings are consistent with the requirements of the Uptime Institute’s Tier III /IV classification and the DCP rating outlined in ISO8528-1 (2018).

Generator Set Model	Engine Model	Engine GEP (kWm)	Alternator Model	Generator Set DCC Rating (kVA)	Generator Set DCC Rating (kWe)
P250-5	1506A-E88TAG2	213	MJB250LB4/LL5114H	230	184
P275-5	1506A-E88TAG3	236	MJB250LB4/LL5114H	250	200
P300-5	1506A-E88TAG4	258	FG26A230/LL5114J	275	220
P330-5	1506A-E88TAG5	281	FG26A250/LL5114J	300	240
P400-3	2206A-E13TAG2	324	FG29A280/LL6114B	350	280
P450-3	2206A-E13TAG3	368	FG29A320/LL6114C	400	320
P500-3	2506A-E15TAG1	412	FG29A360/LL6114D	455	364
P550-3	2506A-E15TAG2	451	FG29A400/LL6114F	500	400
P605-3	2806A-E18TAG1	495	FG33A450/LL6114G	550	440
P660-3	2806A-E18TAG1A	540	FG33A500/LL6114K	600	480
P715-3	2806A-E18TAG2	584	FG33A560/LL7224H	650	520
P780-1	2806A-E18TTAG4	623	LL7224J	706	564
P730P1	4006-23TAG2A	658	LL7224J	730	584
P850-1	2806A-E18TTAG5	676	LL7224L	770	616
P800P1	4006-23TAG3A	705	LL7224L	800	640
P910P1	4008TAG1A	805	LL7224N	910	728
P1000P1	4008TAG2A	899	LL7224P	1000	800
P1125P1	4008-30TAG3A	997	LL8224H	1125	900
P1250P3	4012-46TWG2A	1113	LL8224H	1250	1000
P1350P1	4012-46TWG3A	1207	LL8224L	1350	1080
P1500P3	4012-46TAG2A	1331	LL8224N	1500	1200
P1600P1	4012-46TAG3A	1500	LL8224P	1600	1280
P1700P1	4012-46TAG3A	1500	LL9324F	1700	1360
P1800P3 ¹	4012-46TAG3A	1564	LL9324F	1800	1440
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
P2500-1D ¹	4016-61TRG3X	2183	LL9324R	2500	2000

Note 1: Please contact your FG Wilson Regional Sales Manager for more details on this specific rating, this rating does not offer 10% overload.

The DCC ratings are based on Normal temperature and pressure (NTP) site conditions 25°C (77°F) Air Inlet Temp, 100m (328 ft) A.S.L. & 30% relative humidity. Contact your Regional Sales manager for site specific derating.

*FG Wilson is a trading name of Caterpillar (NI) Limited.

