

# Derate tables

## 4000 Series

4012-46TWG2A  
4012-46TWG3A

Diesel engines

Tropical cooling @ 1500 rev/min

**Notes:**

- Derating maybe necessary for high air intake temperature and/or elevated altitude
- All engine power figures shown in the tables above are quoted in kWb NETT power.

**4012-46TWG2A Baseload - 891 kWm gross**

"Altitude M"	Ambient temperature °C					
	25.0	30.0	35.0	40.0	45.0	50.0
0	833	833	833	833	833	833
500	833	833	833	833	833	833
1000	833	833	833	833	833	833
1500	833	833	833	833	833	833
2000	833	833	833	833	833	833
2500	832	827	822	818	813	806

**4012-46TWG2A Prime - 1113 kWm gross**

"Altitude M"	Ambient temperature °C					
	25.0	30.0	35.0	40.0	45.0	50.0
0	1055	1055	1055	1055	1055	1055
500	1055	1055	1055	1055	1055	1055
1000	1055	1055	1055	1055	1055	1055
1500	1055	1055	1055	1055	1055	1055
2000	1055	1055	1055	1055	1055	1055
2500	1054	1047	1042	1036	1029	1022

**4012-46TWG2A Standby - 1224 kWm gross**

"Altitude M"	Ambient temperature °C					
	25.0	30.0	35.0	40.0	45.0	50.0
0	1166	1166	1166	1166	1166	1166
500	1166	1166	1166	1166	1166	1166
1000	1166	1166	1166	1166	1166	1166
1500	1166	1166	1166	1166	1166	1166
2000	1166	1166	1166	1166	1166	1166
2500	1165	1157	1151	1145	1138	1129

**4012-46TWG3A Baseload - 967 kWm gross**

"Altitude M"	Ambient temperature °C					
	25.0	30.0	35.0	40.0	45.0	50.0
0	909	909	909	909	909	909
500	909	909	909	909	909	909
1000	909	909	909	909	906	899
1500	885	880	872	868	834	856
2000	848	841	836	832	827	822
2500	812	806	801	796	790	783

**4012-46TWG3A Prime - 1207 kWm gross**

"Altitude M"	Ambient temperature °C					
	25.0	30.0	35.0	40.0	45.0	50.0
0	1149	1149	1149	1149	1149	1149
500	1149	1149	1149	1149	1149	1149
1000	1149	1149	1149	1143	1137	1128
1500	1119	1113	1103	1098	1055	1083
2000	1073	1065	1058	1052	1046	1040
2500	1028	1020	1014	1008	1001	992

**4012-46TWG3A Standby - 1321 - kWm gross**

"Altitude M"	Ambient temperature °C					
	25.0	30.0	35.0	40.0	45.0	50.0
0	1263	1263	1263	1263	1263	1263
500	1263	1263	1263	1263	1263	1263
1000	1263	1263	1263	1256	1250	1240
1500	1230	1223	1213	1208	1160	1190
2000	1180	1171	1164	1157	1151	1144
2500	1131	1122	1115	1108	1101	1091



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