

Derate tables

4000 Series

4012-46TAG1A
4012-46TAG2A
4012-46TAG3A

Diesel engines

Non emission compliant
Tropical cooling @ 1500 rev/min

Derating may be necessary for high air intake temperature and/or elevated altitude.

Note: All engine power figures shown in the following tables are quoted in kWb NETT power

4012-46TAG1A Baseload rating 973 kWb gross @ 1500 rev/min

Altitude in metres	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)					
	25	30	35	40	45	50
150	909	909	909	909	909	909
500	909	909	909	909	909	909
1000	909	909	909	909	909	909
1500	909	909	899	890	870	860
2000	909	899	890	870	783	753
2500	899	870	802	763	705	666

4012-46TAG1A Prime rating 1212 kWb gross @ 1500 rev/min

Altitude in metres	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)					
	25	30	35	40	45	50
150	1148	1148	1148	1148	1148	1148
500	1148	1148	1148	1148	1148	1148
1000	1148	1148	1148	1148	1148	1148
1500	1148	1148	1136	1124	1100	1087
2000	1148	1136	1124	1100	990	954
2500	1136	1100	1015	966	893	845

4012-46TAG1A Standby rating 1327 kWb gross @ 1500 rev/min

Altitude in metres	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)					
	25	30	35	40	45	50
150	1263	1263	1263	1263	1263	1263
500	1263	1263	1263	1263	1263	1263
1000	1263	1263	1263	1263	1263	1263
1500	1263	1263	1250	1236	1210	1197
2000	1263	1250	1236	1210	1090	1051
2500	1250	1210	1117	1064	984	931

4012-46TAG2A Baseload rating 1069 kWb gross @ 1500 rev/min

Altitude in metres	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)					
	25	30	35	40	45	50
150	1005	1005	1005	1005	1005	1005
500	1005	1005	1005	1005	1005	1005
1000	1005	1005	1005	1005	984	941
1500	1005	1005	994	962	909	855
2000	1005	962	909	866	781	748
2500	919	866	813	759	706	652

4012-46TAG2A Prime rating 1331 kWb gross @ 1500 rev/min

Altitude in metres	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)					
	25	30	35	40	45	50
150	1267	1267	1267	1267	1267	1267
500	1267	1267	1267	1267	1267	1267
1000	1267	1267	1267	1267	1240	1187
1500	1267	1267	1254	1214	1147	1081
2000	1267	1214	1147	1100	987	948
2500	1161	1094	1027	961	894	828

4012-46TAG2A Standby rating 1459 kWb gross @ 1500 rev/min

Altitude in metres	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)					
	25	30	35	40	45	50
150	1395	1395	1395	1395	1395	1395
500	1395	1395	1395	1395	1395	1395
1000	1395	1395	1395	1395	1366	1307
1500	1395	1395	1380	1337	1264	1191
2000	1395	1337	1264	1205	1087	1045
2500	1278	1205	1132	1059	986	914

4012-46TAG3A Baseload rating 1256 kWb gross @ 1500 rev/min

Altitude in metres	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)					
	25	30	35	40	45	50
150	1196	1196	1196	1196	1196	1196
500	1196	1196	1196	1196	1183	1121
1000	1196	1196	1196	1133	1070	1008
1500	1196	1146	1083	1033	957	895
2000	1096	1033	970	907	844	782
2500	982	920	857	794	731	668

4012-46TAG3A Prime rating 1496 kWb gross @ 1500 rev/min

Altitude in metres	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)					
	25	30	35	40	45	50
150	1436	1436	1436	1436	1436	1436
500	1436	1436	1436	1436	1421	1346
1000	1436	1436	1436	1361	1286	1212
1500	1436	1376	1301	1242	1152	1077
2000	1316	1242	1167	1092	1017	942
2500	1182	1107	1032	957	882	808

4012-46TAG3A Standby rating 1639 kWb gross @ 1500 rev/min

Altitude in metres	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)					
	25	30	35	40	45	50
150	1579	1579	1579	1579	1579	1579
500	1579	1579	1579	1579	1563	1481
1000	1579	1579	1579	1497	1415	1333
1500	1579	1513	1431	1366	1268	1186
2000	1448	1366	1284	1202	1120	1038
2500	1300	1218	1136	1055	973	891



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All information in the document is substantially correct at the time of printing but may be subsequently altered by the company.

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