

Technical Data

4000 Series

4016

Diesel Engine

TWG, TWG2, TAG, TAG1, TAG1A, TAG2, TAG2A, TEG, TEG1 and TEG2

Derating maybe necessary for high air intake temperature and/or elevated altitude.
In the case of TWG and TEG engines derating may also be required for high inlet water temperature.
All data is based on a Perkins supplied tropical radiator (not applicable to TEG engines).

4016TWG Standby rating 1343 kWb gross 1500 rev/min				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1343	1343	1343	1343
500	1343	1343	1343	1297
1000	1343	1343	1303	1236
1500	1304	1284	1234	1174
2000	1234	1213	1166	1112
2500	1163	1143	1097	1050

4016TWG Prime rating 1224 kWb gross 1500 rev/min				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1224	1224	1224	1224
500	1224	1224	1224	1182
1000	1224	1224	1187	1126
1500	1189	1170	1125	1070
2000	1125	1105	1062	1013
2500	1060	1042	1000	957

4016TWG Baseload rating 979 kWb gross 1500 rev/min				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	979	979	979	979
500	979	979	979	946
1000	979	979	950	901
1500	951	936	900	856
2000	900	884	850	811
2500	848	833	800	766

4016TWG2 Standby rating 1612 kWb gross 1500 rev/min (60°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1612	1612	1612	1557
500	1564	1564	1564	1509
1000	1491	1491	1491	1436
1500	1419	1419	1419	1364
2000	1346	1346	1346	1293
2500	1275	1275	1275	1222

4016TWG2 Standby rating 1612 kWb gross 1500 rev/min (70°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1612	1612	1601	1506
500	1564	1564	1551	1456
1000	1491	1491	1480	1385
1500	1419	1419	1407	1312
2000	1346	1346	1335	1240
2500	1275	1275	1264	1169

4016TWG2 Standby rating 1612 kWb gross 1500 rev/min (80°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150				
500				
1000				
1500				
2000				
2500				

4016TWG2 Prime rating 1468 kWb gross 1500 rev/min (60°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1468	1468	1468	1418
500	1424	1424	1424	1374
1000	1358	1358	1358	1308
1500	1292	1292	1292	1242
2000	1226	1226	1226	1177
2500	1161	1161	1161	1113

4016TWG2 Prime rating 1468 kWb gross 1500 rev/min (70°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1468	1468	1458	1371
500	1424	1424	1412	1326
1000	1358	1358	1348	1261
1500	1292	1292	1282	1195
2000	1226	1226	1216	1129
2500	1161	1161	1151	1064

4016TWG2 Prime rating 1468 kWb gross 1500 rev/min (80°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1468	1452	1430	1321
500	1424	1408	1384	1277
1000	1358	1342	1318	1211
1500	1292	1276	1254	1145
2000	1226	1210	1188	1080
2500	1161	1151	1123	1016

4016TWG2 Baseload rating 1174 kWb gross 1500 rev/min (60°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1174	1174	1174	1134
500	1139	1139	1139	1099
1000	1086	1086	1086	1046
1500	1033	1033	1033	993
2000	980	980	980	942
2500	929	929	929	890

4016TWG2 Baseload rating 1174 kWb gross 1500 rev/min (70°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1174	1174	1166	1097
500	1139	1139	1129	1060
1000	1086	1086	1078	1008
1500	1033	1033	1025	956
2000	980	980	972	903
2500	929	929	920	851

4016TWG2 Baseload rating 1174 kWb gross 1500 rev/min (80°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1174	1161	1143	1057
500	1139	1126	1107	1021
1000	1086	1073	1054	969
1500	1033	1020	1003	916
2000	980	967	950	864
2500	929	920	898	812

4016TAG Standby rating 1649 kWb gross 1500 rev/min				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1649	1649	1636	1550
500	1649	1649	1586	1506
1000	1649	1609	1525	1440
1500	1586	1545	1464	1375
2000	1519	1481	1402	1311
2500	1454	1415	1337	1248

4016TAG Prime rating 1502 kWb gross 1500 rev/min				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1502	1502	1490	1412
500	1502	1502	1445	1371
1000	1502	1466	1389	1311
1500	1445	1407	1334	1253
2000	1383	1349	1277	1194
2500	1325	1289	1218	1137

4016TAG Baseload rating 1202 kWb gross 1500 rev/min				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1202	1202	1192	1130
500	1202	1202	1156	1097
1000	1202	1173	1112	1049
1500	1156	1126	1067	1002
2000	1107	1079	1022	956
2500	1060	1031	975	910

4016TAG1 Standby rating 1741 kWb gross 1500 rev/min

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1741	1741	1706	1637
500	1734	1706	1654	1581
1000	1654	1631	1572	1494
1500	1576	1553	1497	1410
2000	1497	1478	1419	1323
2500	1419	1400	1341	1236

4016TAG1 Prime rating 1588 kWb gross 1500 rev/min

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1588	1588	1556	1493
500	1582	1556	1509	1442
1000	1509	1488	1434	1363
1500	1437	1416	1366	1286
2000	1366	1348	1294	1207
2500	1294	1277	1223	1127

4016TAG1 Baseload rating 1270 kWb gross 1500 rev/min

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1270	1270	1245	1194
500	1265	1245	1207	1153
1000	1207	1190	1147	1090
1500	1149	1133	1092	1029
2000	1092	1078	1035	965
2500	1035	1021	978	902

4016TAG1A Standby rating 1741 kWb gross 1500 rev/min				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1741	1741	1706	1637
500	1734	1706	1654	1581
1000	1654	1631	1572	1494
1500	1576	1553	1497	1410
2000	1497	1478	1419	1323
2500	1419	1400	1341	1236

4016TAG1A Prime rating 1588 kWb gross 1500 rev/min				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1588	1588	1556	1494
500	1582	1556	1509	1442
1000	1509	1488	1434	1363
1500	1437	1416	1366	1286
2000	1366	1348	1294	1207
2500	1294	1277	1223	1127

4016TAG2 Standby rating 1937 kWb gross 1500 rev/min				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1937	1918	1873	1782
500	1894	1856	1799	1712
1000	1805	1765	1701	1617
1500	1716	1676	1606	1519
2000	1629	1584	1507	1420
2500	1538	1495	1408	1321

4016TAG2 Standby rating 1937 kWb gross 1500 rev/min

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1937	1918	1873	1782
500	1894	1856	1799	1712
1000	1805	1765	1701	1617
1500	1716	1676	1606	1519
2000	1629	1584	1507	1420
2500	1538	1495	1408	1321

4016TAG2 Prime rating 1766 kWb gross 1500 rev/min

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1766	1748	1708	1625
500	1727	1692	1641	1561
1000	1646	1609	1551	1475
1500	1565	1528	1464	1385
2000	1485	1445	1374	1294
2500	1402	1363	1284	1204

4016TAG2 Baseload rating 1413 kWb gross 1500 rev/min

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1413	1399	1366	1300
500	1382	1354	1313	1249
1000	1317	1287	1241	1180
1500	1252	1222	1171	1108
2000	1188	1156	1099	1036
2500	1122	1091	1027	964

4016TAG2A Standby rating 1937 kWb gross 1500 rev/min				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1937	1918	1873	1782
500	1894	1856	1799	1712
1000	1805	1765	1701	1617
1500	1716	1676	1606	1519
2000	1629	1584	1507	1420
2500	1538	1495	1408	1321

4016TAG2A Prime rating 1766 kWb gross 1500 rev/min				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1766	1748	1708	1625
500	1727	1692	1641	1561
1000	1646	1609	1551	1475
1500	1565	1528	1464	1385
2000	1485	1445	1374	1294
2500	1402	1363	1284	1204

4016TEG Standby rating 1575 kWb gross 1500 rev/min (30°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1556	1526	1454	1406
500	1506	1476	1410	1362
1000	1435	1406	1345	1296
1500	1364	1337	1282	1232
2000	1293	1268	1221	1166
2500	1222	1199	1154	1101

4016TEG Standby rating 1575 kWb gross 1500 rev/min (40°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1506	1476	1403	1356
500	1456	1427	1359	1312
1000	1384	1364	1296	1247
1500	1314	1288	1232	1181
2000	1243	1219	1169	1117
2500	1172	1150	1104	1051

4016TEG Standby rating 1575 kWb gross 1500 rev/min (50°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1462	1432	1359	1312
500	1411	1383	1328	1268
1000	1340	1314	1277	1203
1500	1269	1244	1188	1137
2000	1199	1175	1125	1073
2500	1128	1106	1060	1006

4016TEG Prime rating 1432 kWb gross 1500 rev/min (30°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1415	1388	1322	1279
500	1369	1342	1282	1239
1000	1305	1279	1223	1179
1500	1240	1216	1166	1120
2000	1176	1153	1110	1060
2500	1111	1090	1050	1001

4016TEG Prime rating 1432 kWb gross 1500 rev/min (40°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1369	1342	1276	1233
500	1323	1297	1236	1193
1000	1259	1240	1179	1134
1500	1194	1171	1120	1074
2000	1130	1108	1063	1015
2500	1065	1045	1004	955

4016TEG Prime rating 1432 kWb gross 1500 rev/min (50°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1329	1302	1236	1193
500	1283	1257	1207	1153
1000	1219	1194	1161	1094
1500	1154	1131	1080	1034
2000	1090	1068	1022	975
2500	1025	1005	964	915

4016TEG Baseload rating 1146 kWb gross 1500 rev/min (30°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1132	1110	1058	1023
500	1096	1074	1026	991
1000	1044	1023	979	943
1500	992	973	933	896
2000	941	923	888	848
2500	889	872	840	801

4016TEG Baseload rating 1146 kWb gross 1500 rev/min (40°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1096	1074	1021	987
500	1059	1038	989	955
1000	1007	992	943	908
1500	956	937	896	860
2000	904	887	850	813
2500	853	837	803	764

4016TEG Baseload rating 1146 kWb gross 1500 rev/min (50°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1063	1042	989	955
500	1027	1006	966	923
1000	975	956	929	876
1500	924	905	864	827
2000	872	855	818	780
2500	821	804	771	732

4016TEG1 Standby rating 1692 kWb gross 1500 rev/min (45°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1692	1692	1692	1692
500	1692	1692	1692	1665
1000	1692	1692	1651	1597
1500	1643	1623	1585	1530
2000	1574	1557	1516	1462
2500	N/A	N/A	N/A	N/A

4016TEG1 Standby rating 1692 kWb gross 1500 rev/min (50°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1641	1641	1641	1641
500	1641	1641	1641	1614
1000	1641	1641	1601	1546
1500	1592	1572	1535	1479
2000	1523	1506	1465	1411
2500	N/A	N/A	N/A	N/A

4016TEG1 Prime rating 1538 kWb gross 1500 rev/min (45°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1538	1538	1538	1538
500	1538	1538	1538	1513
1000	1538	1538	1501	1452
1500	1493	1475	1441	1390
2000	1430	1415	1378	1329
2500	N/A	N/A	N/A	N/A

4016TEG1 Prime rating 1538 kWb gross 1500 rev/min (50°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1492	1492	1492	1492
500	1492	1492	1492	1467
1000	1492	1492	1455	1406
1500	1447	1429	1395	1344
2000	1384	1369	1332	1283
2500	N/A	N/A	N/A	N/A

4016TEG1 Baseload rating 1230 kWb gross 1500 rev/min (45°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1230	1230	1230	1230
500	1230	1230	1230	1210
1000	1230	1230	1200	1161
1500	1194	1180	1153	1112
2000	1144	1132	1105	1063
2500	N/A	N/A	N/A	N/A

4016TEG1 Baseload rating 1230 kWb gross 1500 rev/min (50°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1193	1193	1193	1193
500	1193	1193	1193	1173
1000	1193	1193	1164	1124
1500	1157	1143	1116	1075
2000	1107	1095	1065	1026
2500	N/A	N/A	N/A	N/A

4016TEG2 Standby rating 1879 kWb gross 1500 rev/min (35°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1873	1855	1809	1764
500	1826	1802	1757	1712
1000	1761	1729	1682	1637
1500	1674	1654	1607	1563
2000	1599	1578	1531	1488
2500	N/A	N/A	N/A	N/A

4016TEG2 Standby rating 1879 kWb gross 1500 rev/min (40°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1851	1832	1787	1742
500	1804	1779	1734	1689
1000	1738	1704	1659	1614
1500	1652	1629	1584	1556
2000	1576	1554	1509	1466
2500	N/A	N/A	N/A	N/A

4016TEG2 Standby rating 1879 kWb gross 1500 rev/min (50°C charge cooler water)

Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1804	1785	1740	1695
500	1757	1732	1687	1631
1000	1691	1657	1612	1558
1500	1605	1582	1537	1483
2000	1530	1507	1462	1409
2500	N/A	N/A	N/A	N/A

4016TEG2 Prime rating 1708 kWb gross 1500 rev/min (35°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1703	1686	1645	1604
500	1660	1638	1597	1556
1000	1600	1571	1529	1488
1500	1522	1503	1460	1421
2000	1454	1435	1392	1353
2500	N/A	N/A	N/A	N/A

4016TEG2 Prime rating 1708 kWb gross 1500 rev/min (40°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1682	1665	1624	1583
500	1640	1617	1576	1535
1000	1580	1549	1508	1467
1500	1501	1481	1440	1414
2000	1433	1413	1372	1332
2500	N/A	N/A	N/A	N/A

4016TEG2 Prime rating 1708 kWb gross 1500 rev/min (50°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1640	1623	1582	1541
500	1597	1575	1534	1483
1000	1537	1506	1465	1416
1500	1459	1438	1397	1348
2000	1390	1370	1329	1281
2500	N/A	N/A	N/A	N/A

4016TEG2 Baseload rating 1366 kWb gross 1500 rev/min (35°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1362	1348	1315	1283
500	1328	1310	1277	1244
1000	1280	1257	1223	1190
1500	1217	1202	1168	1137
2000	1162	1147	1113	1082
2500	N/A	N/A	N/A	N/A

4016TEG2 Baseload rating 1366 kWb gross 1500 rev/min (40°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1346	1332	1299	1266
500	1311	1294	1261	1228
1000	1264	1239	1206	1173
1500	1201	1184	1152	1131
2000	1146	1130	1097	1065
2500	N/A	N/A	N/A	N/A

4016TEG2 Baseload rating 1366 kWb gross 1500 rev/min (50°C charge cooler water)				
Designation	Ambient temperature to air cleaners (25°C at 100 m.a.s.l.)			
m.a.s.l.	25	30	40	50
150	1311	1298	1265	1232
500	1277	1259	1227	1186
1000	1229	1205	1172	1132
1500	1167	1150	1117	1078
2000	1112	1096	1063	1025
2500	N/A	N/A	N/A	N/A



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