

# GB6245 - 2006 RATING CHART

## 8FGF SERIES PUMP WITH "LG" GEARBOX

**RATED FROM 90 Liter/sec @1.03 MPa TO 170 Liter/sec @1.03 MPa  
SINGLE STAGE PUMP- 318 mm (12.5 inch) DIAMETER IMPELLER**

**FSG-CRV-01484**

**OPERATING CONDITIONS C1 & C2:**

THE PUMP WILL PERFORM THE RATING WITH STANDARD TEST CONDITIONS OF SEA LEVEL ALTITUDE,  
758.0 mm-Hg [29.84 in-Hg] ATMOSPHERIC PRESSURE, 20 °C [68 °F] WATER TEMPERATURE,  
3 m [10 ft] LIFT, 6 m [20 ft] OF 150 mm [6 inch] SUCTION HOSE & STRAINER<sup>1</sup>.

**OPERATING CONDITION C3:**

THE PUMP WILL PERFORM THE RATING WITH STANDARD TEST CONDITIONS OF SEA LEVEL ALTITUDE,  
758.0 mm-Hg [29.84 in-Hg] ATMOSPHERIC PRESSURE, 20 °C [68 °F] WATER TEMPERATURE,  
7 m [23 ft] LIFT, 9 m [30 ft] OF 150 mm [6 inch] SUCTION HOSE & STRAINER<sup>1</sup>.


RATED CAPACITY (LITER/SEC)	OPERATING CONDITION	CAPACITY (LITER/SEC)	PRESSURE (MPa)	POWER REQUIRED (KW)	PUMP INPUT DRIVE SHAFT (Rev/Min) <sup>2</sup>									
					RATIO 2.28	TORQUE (N·m)	RATIO 2.05	TORQUE (N·m)	RATIO 1.86	TORQUE (N·m)	RATIO 1.71	TORQUE (N·m)	RATIO 1.58	TORQUE (N·m)
90	PUMP MODEL				CB10/90									
					8FGF90GB-23L		8FGF90GB-21L		8FGF90GB-19L		8FGF90GB-17L		8FGF90GB-15L	
	C1	90	1.03	170	1170	1388	1300	1249	1430	1135	1560	1041	1690	961
	C2	63	1.34	211	1330	1515	1480	1362	1630	1236	1780	1132	1930	1044
	C3	45	1.03	147	1260	1113	1410	995	1550	905	1690	830	1830	767
110	PUMP MODEL				CB10/110									
					8FGF110GB-23L		8FGF110GB-21L		8FGF110GB-19L		8FGF110GB-17L		8FGF110GB-15L	
	C1	110	1.03	188	1190	1508	1330	1349	1460	1229	1590	1129	1720	1043
	C2	77	1.34	227	1350	1603	1500	1443	1650	1312	1800	1203	1950	1110
	C3	55	1.03	154	1270	1155	1410	1040	1550	946	1690	868	1840	797
130	PUMP MODEL				CB10/130									
					8FGF130GB-23L		8FGF130GB-21L		8FGF130GB-19L		8FGF130GB-17L		8FGF130GB-15L	
	C1	130	1.03	206	1210	1624	1340	1467	1480	1328	1610	1221	1750	1123
	C2	91	1.34	240	1350	1698	1500	1529	1650	1390	1800	1274	1950	1176
	C3	65	1.03	161	1280	1202	1420	1083	1560	986	1710	899	1850	831
150	PUMP MODEL				CB10/150									
					8FGF150GB-23L		8FGF150GB-21L		8FGF150GB-19L		8FGF150GB-17L		8FGF150GB-15L	
	C1	150	1.03	227	1230	1760	1370	1580	1500	1443	1640	1320	1780	1216
	C2	105	1.34	253	1350	1788	1510	1599	1660	1454	1810	1334	1960	1232
	C3	75	1.03	177	1290	1314	1430	1185	1570	1079	1720	985	1860	911
170	PUMP MODEL				CB10/170									
					8FGF170GB-23L		8FGF170GB-21L		8FGF170GB-19L		8FGF170GB-17L		8FGF170GB-15L	
	C1	170	1.03	256	1260	1938	1400	1745	1540	1586	1680	1454	1820	1342
	C2	119	1.34	271	1360	1901	1510	1712	1670	1548	1820	1420	1970	1312
	C3	85	1.03	195	1300	1435	1440	1296	1580	1181	1730	1078	1870	998

**NOTES:**

- NUMBER OF SUCTION HOSES & STRAINERS: 90 L/s (1) HOSE; 110 & 130 L/s (2) HOSES; 150 & 170 L/s (3) HOSES.
- SPEED MUST NOT EXCEED ENGINE MANUFACTURER'S MAXIMUM NO-LOAD GOVERNED SPEED.

THIS CHART IS TO BE USED TO SELECT THE PROPER PUMP GEARBOX RATIO. THE INPUT SPEED AND POWER REQUIREMENTS SHOWN ARE NOMINAL ±5% FIGURES. WHEN USING THIS CHART, IT IS IMPORTANT TO OBTAIN THE NET POWER OUTPUT OF THE ENGINE. THE ENGINE MANUFACTURER'S PUBLISHED CURVE MAY NOT REPRESENT A TRUE NET POWER WHEN TOTALING ALL THE LOAD DEDUCTIONS THAT MAY BE ENCOUNTERED FOR THE RATING. THE DEDUCTIONS COULD BE ENGINE AND VEHICLE ACCESSORIES, ALTITUDE, TEMPERATURE, BAROMETER, ETC. CHECK WITH THE ENGINE MANUFACTURER FOR THEIR RECOMMENDATION AND APPROVAL OF THE NET POWER CURVE.

THE PUMPING TORQUE REQUIREMENTS MIGHT EXCEED THE TRUCK'S TRANSMISSION CASE, POWER TAKE-OFF AND DRIVELINE COMPONENT LIMITS. CONTACT THE RESPECTIVE EQUIPMENT MANUFACTURER FOR THEIR APPROVAL OF THE PUMPING APPLICATION.

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# GB6245 - 2006 RATING CHART

## 8FGF SERIES PUMP WITH "XG" GEARBOX

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RATED CAPACITY (LITER/SEC)	OPERATING CONDITION	CAPACITY (LITER/SEC)	PRESSURE (MPa)	POWER REQUIRED (KW)	PUMP INPUT DRIVE SHAFT (Rev/Min) <sup>2</sup>									
					RATIO 2.83	TORQUE (N·m)	RATIO 2.55	TORQUE (N·m)	RATIO 2.32	TORQUE (N·m)	RATIO 2.13	TORQUE (N·m)	RATIO 1.96	TORQUE (N·m)
90	PUMP MODEL				CB10/90									
					8FGF90GB-28X		8FGF90GB-25X		8FGF90GB-23X		8FGF90GB-21X		8FGF90GB-19X	
	C1	90	1.03	170	940	1727	1050	1546	1150	1412	1250	1299	1360	1194
	C2	63	1.34	211	1070	1883	1190	1693	1310	1538	1430	1409	1550	1300
	C3	45	1.03	147	1020	1375	1130	1241	1240	1131	1360	1031	1470	954
110	PUMP MODEL				CB10/110									
					8FGF110GB-28X		8FGF110GB-25X		8FGF110GB-23X		8FGF110GB-21X		8FGF110GB-19X	
	C1	110	1.03	188	960	1869	1070	1677	1170	1534	1280	1402	1390	1291
	C2	77	1.34	227	1090	1986	1210	1789	1330	1628	1450	1493	1570	1379
	C3	55	1.03	154	1020	1438	1140	1287	1250	1173	1360	1079	1480	991
130	PUMP MODEL				CB10/130									
					8FGF130GB-28X		8FGF130GB-25X		8FGF130GB-23X		8FGF130GB-21X		8FGF130GB-19X	
	C1	130	1.03	206	970	2026	1080	1820	1190	1652	1300	1512	1400	1404
	C2	91	1.34	240	1090	2104	1210	1895	1330	1724	1450	1581	1570	1460
	C3	65	1.03	161	1030	1493	1140	1349	1260	1221	1370	1123	1490	1032
150	PUMP MODEL				CB10/150									
					8FGF150GB-28X		8FGF150GB-25X		8FGF150GB-23X		8FGF150GB-21X		8FGF150GB-19X	
	C1	150	1.03	227	990	2187	1100	1968	1210	1789	1320	1640	1430	1514
	C2	105	1.34	253	1090	2215	1210	1995	1330	1815	1450	1665	1570	1538
	C3	75	1.03	177	1040	1630	1150	1474	1270	1334	1380	1228	1500	1130
170	PUMP MODEL				CB10/170									
					8FGF170GB-28X		8FGF170GB-25X		8FGF170GB-23X		8FGF170GB-21X		8FGF170GB-19X	
	C1	170	1.03	256	1010	2418	1130	2161	1240	1970	1350	1809	1460	1673
	C2	119	1.34	271	1100	2350	1220	2119	1340	1929	1460	1770	1580	1636
	C3	85	1.03	195	1040	1794	1160	1608	1270	1469	1390	1342	1510	1236

**NOTES:**

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