NFPA 1901 RATING CHART

8FGR SERIES PUMP

RATED FROM 1500 GPM @ 150 PSI TO 3000 GPM @ 150 PSI

SINGLE STAGE PUMP - 13" IMPELLER

MAXIMUM ELEVATION AT WHICH THE PUMP WILL DO THE RATING WITH STANDARD TEST CONDITIONS OF 6 FT. LIFT, 20 FT. OF SUCTION HOSE & STRAINER. STANDARD TEST CONDITIONS AND MAX. ELEVATION DO NOT INCLUDE TRUCK PIPING LOSSES.

8FGR150		6 IN. HOSE,	7000 FEET
8FGR175		6 IN. HOSE,	3200 FEET
8FGR200	(2)	6 IN. HOSE,	10000 FEET
8FGR225	(2)	6 IN. HOSE,	8000 FEET
8FGR250	(2)	6 IN. HOSE,	5800 FEET
8FGR275	(3)	6 IN. HOSE,	5500 FEET
8FGR300	(3)	6 IN. HOSE,	4000 FEET

* ENGINE SPEED MUST NOT EXCEED MFR'S MAXIMUM NO-LOAD GOVERNED SPEED.
** THE PUMP IS CAPABLE OF THE HIGH PRESSURE PERFORMANCE SHOWN. ACTUAL OBTAINABLE PRESSURE SHOULD BE CHECKED IN ADVANCE, AND IS GOVERNED BY ENGINE SPEED, AVAILABLE HORSEPOWER AND PUMP RATIO.
*** GAUGE PRESSURE DOES NOT INCLUDE LIFT OR SUCTION LOSSES.
THIS CHART IS TO BE USED TO SELECT THE PROPER PUMP GEARBOX RATIO. THE INPUT SPEED AND HORSEPOWER REQUIREMENTS SHOWN ARE NOMINAL ±5% FIGURES. WHEN USING THIS CHART, IT IS IMPORTANT TO OBTAIN THE NET HORSEPOWER OUTPUT OF THE ENGINE. THE ENGINE MANUFACTURER'S PUBLISHED CURVE MAY NOT REPRESENT A TRUE NET HORSEPOWER WHEN TOTALING ALL THE POWER DEDUCTIONS THAT MAY BE ENCOUNTERED FOR THE NFPA 1901 TEST. THE DEDUCTIONS COULD BE ENGINE AND VEHICLE ACCESSORIES, ELEVATION, TEMPERATURE, BAROMETER, ETC. CHECK WITH THE ENGINE MANUFACTURER FOR THEIR RECOMMENDATION AND APPROVAL OF A NET HORSEPOWER CURVE.
FOR ROAD OPERATION, ENGINE TORQUE ON PUMP DRIVE LINE SHOULD BE CHECKED PER HALE FORM F-72.

PUMP MONTED ON OUTPUT SHAFT SIDE OF "X" TYPE GEARBOX WITH SUCTION FACING REAR.
SEE PLATE NO. 1104

E-1116A-2

RATED CAPACITY (US GPM)	CAPACITY (US GPM)	PRESSURE (PSIG) ***	HORSEPOWER REQUIRED	"X" GEARBOX INPUT DRIVE SHAFT (RPM) * RATIO 2.83	RATIO 2.55	RATIO 2.32	RATIO 2.13	RATIO 1.96
1500	PUMP MODEL			8FGR150-28X	8FGR150-25X	8FGR150-23X	8FGR150-21X	8FGR150-19X
	1500	150	186	950	1050	1160	1260	1370
	1500	165	208	980	1080	1180	1280	1390
	1050	200	223	1040	1170	1280	1380	1510
	750	250	271	1160	1290	1410	1540	1670
1750	PUMP MODEL			8FGR175-28X	8FGR175-25X	8FGR175-23X	8FGR175-21X	8FGR175-19X
	1750	150	232	970	1080	1190	1280	1400
	1750	165	259	1000	1110	1220	1330	1440
	1225	200	263	1060	1180	1300	1410	1540
	875	250	302	1180	1300	1430	1570	1630
2000	PUMP MODEL			8FGR200-28X	8FGR200-25X	8FGR200-23X	8FGR200-21X	8FGR200-19X
	2000	150	248	990	1090	1200	1310	1430
	2000	165	275	1010	1130	1240	1350	1470
	1400	200	255	1070	1190	1310	1420	1550
	1000	250	305	1180	1290	1420	1550	1690
2250	PUMP MODEL			8FGR225-28X	8FGR225-25X	8FGR225-23X	8FGR225-21X	8FGR225-19X
	2250	150	270	1000	1110	1220	1320	1440
	2250	165	290	1030	1150	1250	1360	1470
	1575	200	280	1070	1190	1310	1420	1550
	1125	250	315	1180	1300	1430	1570	1630
2500	PUMP MODEL			8FGR250-28X	8FGR250-25X	8FGR250-23X	8FGR250-21X	8FGR250-19X
	2500	150	308	1020	1140	1250	1360	1470
	2500	165	332	1060	1180	1300	1410	1530
	1750	200	310	1080	1200	1320	1440	1570
	1250	250	340	1190	1310	1440	1570	1610

RATED CAPACITY (US GPM)	CAPACITY (US GPM)	PRESSURE (PSIG) ***	HORSEPOWER REQUIRED	"X" GEARBOX INPUT DRIVE SHAFT (RPM) * RATIO 2.83	RATIO 2.55	RATIO 2.32	RATIO 2.13	RATIO 1.96
2750	PUMP MODEL			8FGR275-28X	8FGR275-25X	8FGR275-23X	8FGR275-21X	8FGR275-19X
	2750	150	328	1040	1150	1270	1380	1500
	2750	165	356	1080	1200	1320	1430	1560
	1925	200	321	1090	1210	1330	1440	1570
	1375	250	354	1180	1310	1450	1580	1610
3000	PUMP MODEL			8FGR300-28X	8FGR300-25X	8FGR300-23X	8FGR300-21X	8FGR300-19X
	3000	150	365	1070	1190	1310	1430	1550
	3000	165	398	1100	1230	1350	1470	1600
	2100	200	343	1100	1230	1350	1470	1610
	1500	250	366	1190	1320	1450	1580	1720

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ECO NO	REV	CHANGED FROM	BY	DATE	APVD
0565	A	RELEASE TO PRODUCTION	MD	5-3-07	MAL

DRAWN MD DATE 4-30-07
CHECKED RET
SIZE A SCALE: FULL

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