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 "R" TYPE GEARBOX WITH SUCTION FACING REAR.
SEE PLATE NO. 765

E-1116A-1

RATED CAPACITY (US GPM)	CAPACITY (US GPM)	PRESSURE (PSIG) ***	HORSEPOWER REQUIRED	"R" GEARBOX INPUT DRIVE SHAFT (RPM) * RATIO 2.28	RATIO 2.05	RATIO 1.86	RATIO 1.71	RATIO 1.58
1500	PUMP MODEL			8FGR150-23R	8FGR150-21R	8FGR150-19R	8FGR150-17R	8FGR150-15R
	1500	150	186	1180	1310	1440	1570	1700
	1500	165	208	1210	1340	1470	1600	1730
	1050	200	223	1300	1450	1600	1730	1880
	750	250	271	1440	1600	1760	1920	2070
1750	PUMP MODEL			8FGR175-23R	8FGR175-21R	8FGR175-19R	8FGR175-17R	8FGR175-15R
	1750	150	232	1200	1340	1480	1600	1740
	1750	165	259	1240	1380	1520	1650	1790
	1225	200	263	1320	1470	1620	1760	1910
	875	250	302	1460	1620	1790	1960	2110
2000	PUMP MODEL			8FGR200-23R	8FGR200-21R	8FGR200-19R	8FGR200-17R	8FGR200-15R
	2000	150	248	1230	1360	1500	1630	1770
	2000	165	275	1260	1400	1550	1680	1820
	1400	200	255	1330	1480	1630	1770	1920
	1000	250	305	1460	1610	1770	1930	2090
2250	PUMP MODEL			8FGR225-23R	8FGR225-21R	8FGR225-19R	8FGR225-17R	8FGR225-15R
	2250	150	270	1240	1380	1520	1650	1790
	2250	165	290	1280	1430	1560	1700	1840
	1575	200	280	1330	1480	1630	1770	1920
	1125	250	315	1460	1620	1780	1950	2110
2500	PUMP MODEL			8FGR250-23R	8FGR250-21R	8FGR250-19R	8FGR250-17R	8FGR250-15R
	2500	150	308	1270	1420	1560	1700	1840
	2500	165	332	1320	1470	1620	1760	1900
	1750	200	310	1340	1490	1650	1790	1940
	1250	250	340	1470	1630	1800	1960	2120

RATED CAPACITY (US GPM)	CAPACITY (US GPM)	PRESSURE (PSIG) ***	HORSEPOWER REQUIRED	"R" GEARBOX INPUT DRIVE SHAFT (RPM) * RATIO 2.28	RATIO 2.05	RATIO 1.86	RATIO 1.71	RATIO 1.58
2750	PUMP MODEL			8FGR275-23R	8FGR275-21R	8FGR275-19R	8FGR275-17R	8FGR275-15R
	2750	150	328	1290	1430	1580	1720	1860
	2750	165	356	1340	1490	1640	1780	1930
	1925	200	321	1350	1500	1650	1800	1950
	1375	250	354	1470	1630	1800	1960	2120
3000	PUMP MODEL			8FGR300-23R	8FGR300-21R	8FGR300-19R	8FGR300-17R	8FGR300-15R
	3000	150	365	1330	1480	1630	1780	1920
	3000	165	398	1370	1530	1680	1830	1980
	2100	200	343	1370	1530	1680	1830	1980
	1500	250	366	1480	1640	1810	1970	2130

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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 SIZE A SCALE: FULL
CHECKED RET

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