

# NFPA 1901 RATING CHART

MODEL

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**8FG2000**

**8FG2250**

**8FG2500**

2000 @ 150 PSI

2250 @ 150 PSI

2500 @ 150 PSI

SINGLE STAGE PUMP 13" IMPELLER PLATE NO. 765

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.

8FG2000, (2) 6 IN. SUCTION HOSE, 10000 FEET

8FG2250, (2) 6 IN. SUCTION HOSE, 8000 FEET

8FG2500, (2) 6 IN. SUCTION HOSE, 5800 FEET

RATED CAPACITY (US GPM)	CAPACITY (US GPM)	PRESSURE (PSIG) **	HORSEPOWER REQUIRED	PUMP RATIO				
				2.28	2.05	1.86	1.71	1.58
				PUMP INPUT DRIVE SHAFT RPM *	PUMP INPUT DRIVE SHAFT RPM *	PUMP INPUT DRIVE SHAFT RPM *	PUMP INPUT DRIVE SHAFT RPM *	PUMP INPUT DRIVE SHAFT RPM *
2000	PUMP MODEL			8FG2000-23	8FG2000-21	8FG2000-19	8FG2000-17	8FG2000-15
	2000	150	248	1170	1300	1430	1560	1690
	2000	165	275	1230	1370	1500	1640	1770
	1400	200	255	1290	1440	1590	1720	1870
	1000	250	305	1450	1610	1770	1930	2090
2250	PUMP MODEL			8FG2250-23	8FG2250-21	8FG2250-19	8FG2250-17	8FG2250-15
	2250	150	270	1220	1360	1500	1630	1770
	2250	165	290	1280	1430	1560	1700	1840
	1575	200	280	1320	1470	1620	1760	1910
	1125	250	315	1460	1620	1780	1950	2110
2500	PUMP MODEL			8FG2500-23	8FG2500-21	8FG2500-19	8FG2500-17	8FG2500-15
	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

\* ENGINE SPEED MUST NOT EXCEED MFR'S MAXIMUM NO-LOAD GOVERNED SPEED.  
 \*\* 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 AVERAGE 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 & VEHICLE ACCESSORIES, ELEVATION, TEMPERATURE, BAROMETER, ETC. ENGINE CHECK WITH THE MANUFACTURER FOR THEIR RECOMMENDATION & APPROVAL OF A NET HORSEPOWER CURVE.  
 ENGINE TORQUE ON PUMP DRIVE LINE SHOULD BE CHECKED PER HAILE FORM F72 & I91.

## PRELIMINARY



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