

NFPA 1901 RATING CHART

MODEL

8FG2500

2500 @ 150 PSI

SINGLE STAGE PUMP 12-1/2" IMPELLER PLATE NO. 784

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.

8FG2500, (2) 6 IN. SUCTION HOSE, 4200 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 *
2500	PUMP MODEL			8FG2500-23	8FG2500-21	8FG2500-19	8FG2500-17	8FG2500-15
	2500	150	267	1230	1270	1510	1640	1780
	2500	165	300	1280	1320	1560	1690	1830
	1750	200	342	1380	1540	1690	1840	1990
	1250	250	418	1540	1710	1880	2050	2220

* 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 HALE FORM F72 & I91.

PRELIMINARY



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