

RATING CHART

MODEL

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8FG3000

8FG3250

8FG3500

3000 @ 150 PSI

3250 @ 150 PSI

3500 @ 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.

8FG3000, (3) 6 IN. SUCTION HOSE, 4000 FEET
 8FG3000, (2) 8 IN. SUCTION HOSE, 9000 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 *
3000	PUMP MODEL			8FG3000-23	8FG3000-21	8FG3000-19	8FG3000-17	8FG3000-15
	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
3250	PUMP MODEL			8FG3250-23	8FG3250-21	8FG3250-19	8FG3250-17	8FG3250-15
	3250	150	410	1370	1520	1670	1820	1960
	3250	165	440	1390	1550	1710	1860	2010
	2275	200	369	1380	1540	1700	1850	2000
	1625	250	380	1490	1650	1820	1980	2140
3500	PUMP MODEL			8FG3500-23	8FG3500-21	8FG3500-19	8FG3500-17	8FG3500-15
	3500	150	460	1410	1570	1730	1880	2030
	3500	165	490	1430	1590	1750	2000	2050
	2450	200	390	1390	1550	1710	1860	2010
	1750	250	395	1500	1660	1830	1990	2150

* 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



HALE PRODUCTS, INC.
 A Unit of IDEX Corporation
 Conshohocken, PA 19428 USA

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