

# RATING CHART

MODEL

## 8FG3000

3000 @ 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.

8FG3000, (3) 6 IN. SUCTION HOSE, 3500 FEET

8FG3000, (2) 8 IN. SUCTION HOSE, 8000 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                | 314                 | 1320                         | 1470                         | 1620                         | 1760                         | 1910                         |
|                         | 3000              | 165                | 365                 | 1370                         | 1530                         | 1680                         | 1830                         | 1980                         |
|                         | 2100              | 200                | 386                 | 1430                         | 1580                         | 1750                         | 1900                         | 2060                         |
|                         | 1500              | 250                | 436                 | 1570                         | 1740                         | 1920                         | 2090                         | 2260                         |
|                         |                   |                    |                     |                              |                              |                              |                              |                              |
|                         |                   |                    |                     |                              |                              |                              |                              |                              |
|                         |                   |                    |                     |                              |                              |                              |                              |                              |
|                         |                   |                    |                     |                              |                              |                              |                              |                              |
|                         |                   |                    |                     |                              |                              |                              |                              |                              |

\* 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, BARDMETER, 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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