

NFPA 1901 RATING CHART

MODEL

DSD1500

1500 @ 150 PSI

SINGLE STAGE PUMP - 10-1/4" IMPELLER

MAXIMUM ELEVATION AT WHICH THE PUMP WILL DO THE RATING WITH STANDARD TEST CONDITIONS OF 10 FT. LIFT, 20 FT. OF SUCTION HOSE & STRAINER.

DSD1500 6 IN. HOSE, 1500 FEET
 DSD1500 (2) 6 IN. HOSE, 5800 FEET

RATED CAPACITY (US GPM)	CAPACITY (US GPM)	PRESSURE (PSIG) ***	HORSEPOWER REQUIRED	PUMP INPUT DRIVE SHAFT (RPM) *				
				RATIO 2.28	RATIO 2.05	RATIO 1.86	RATIO 1.71	RATIO 1.58
1500	PUMP MODEL			DSD1500-23	DSD1500-21	DSD1500-19	DSD1500-17	DSD1500-15
	1500	150	197	1640	1820	2010	2180	2360
	1500	165	220	1720	1910	2100	2290	2480
	1050	200	191	1780	1980	2180	2380	2570
	750	250	200	1880	2090	2300	2500	2710
HIGH PRESSURE **	200	300	178	2030	2250	2480	2700	2930

- * ENGINE SPEED MUST NOT EXCEED MANUFACTURER'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 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 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.



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