## NFPA 1901 RATING CHART RSD- J PTO PUMP

## RATED FROM 750 GPM @ 150 PSI TO 1500 GPM @ 150 PSI SINGLE STAGE PUMP- 10" IMPELLER (750-1250 GPM); 10.25" IMPELLER (1500 GPM)

MAXIMUM ELEVATION AT WHICH THE PUMP WILL PERFORM THE RATING WITH STANDARD TEST CONDITIONS OF 10 FT LIFT, 20 FT OF SUCTION HOSE & STRAINER. STANDARD TEST CONDITIONS AND MAXIMUM ELEVATION DO NOT INCLUDE TRUCK PIPING LOSSES.

RSD75-J 4-1/2 IN. HOSE, 5730 FEET (1740 M) RSD100-J 6 IN. HOSE, 8320 FEET (2530 M) 6 IN. HOSE, 5090 FEET (1550 M) 5 IN. HOSE, 9010 FEET (2740 M) RSD125-J RSD75-J RSD75-J 6 IN. HOSE, 12120 FEET (3690 M) RSD125-J (2) 6 IN HOSE, 9100 FEET (2770 M) RSD100-J 5 IN. HOSE, 3590 FEET (1090 M) RSD150-J 6 IN HOSE, 2160 FEET (650 M) (2) 6 IN HOSE, 7610 FEET (2310 M) RSD150-J

RATED CAPACITY (US GPM)	CAPACITY (US GPM)	PRESSURE (PSIG) **	HORSEPOWER REQUIRED	PUMP INPUT DRIVE SHAFT (RPM)*											₹	
				2.35	TORQUE (LBS-FT)	2.08	TORQUE (LBS-FT)	1.80	TORQUE (LBS-FT)	1.64	TORQUE (LBS-FT)			PRODUCTS, INC.	A Unit of IDEX Corporation Conshohocken, PA 19428 USA	- L
750	PUMP MODEL			RSD75-23J		RSD75-21J		RSD75-19J		RSD75-17J				$\Xi$	` ٍ ک کی ⊈	217
	750	150	103	1460	370	1650	328	1900	285	2090	259			질날	를 기	Γ.
	750	165	114	1510	396	1710	349	1970	303	2170	275			HALE P	- 50 - 50 - 50	1
	525	200	114	1620	369	1830	326	2120	282	2330	256				Sho Sho	Ľ
	375	250	131	1800	383	2030	340	2340	295	2580	267			┨ <sup>∸</sup> ⋖		I CX
1000	PUMP MODEL		RSD100-23J		RSD100-21J		RSD100-19J		RSD100-17J					O	e e e e e e e e e e e e e e e e e e e	
	1000	150	132	1530	454	1720	404	1990	349	2190	317		_	<b>⊿</b> ₩	ш	
	1000	165	143	1600	470	1810	415	2090	360	2300	327		۷,	/-	j /	١L
	700	200	134	1630	433	1840	383	2130	331	2340	301		_ (	( <	[ ]	)
	500	250	145	1800	423	2030	375	2350	324	2580	295		_ `			
1250	PUMP MODEL			RSD125-23J		RSD125-21J		RSD125-19J		RSD125-17J		,				_
	1250	150	164	1580	544	1780	483	2060	417	2260	380		APVD	MAL	TAM	
	1250	165	183	1650	582	1860	517	2150	447	2370	406		₹	-		$\perp$
	875	200	157	1660	496	1880	438	2170	380	2390	345			2011	21-Apr-2022	
	625	250	163	1800	475	2040	419	2350	364	2580	331		DATE	23-Sep-2011	Apr-2	
HIGH PRESSURE***	200	300	150	1950	404	2200	358	2540	310	2790	282		ľ	23-5	21-	
1500	PUMP MODEL		RSD150-23J		RSD150-21J		RSD150-19J		RSD150-17J				KDF	KTN		
	1500	150	210	1530	720	1730	637	1990	554	2190	503		- BY	궃	조	
	1500	165	228	1590	755	1800	667	2070	580	2280	526					
	1050	200	193	1610	630	1820	557	2100	483	2300	441					
	750	250	201	1720	614	1950	541	2250	469	2470	427					
HIGH PRESSURE***	200	300	190	1860	537	2100	476	2420	413	2670	374					
													FROM	NO		

- \* ENGINE SPEED MUST NOT EXCEED MFR'S MAXIMUM NO-LOAD GOVERNED SPEED.
- \*\* GAUGE PRESSURE DOES NOT INCLUDE LIFT OR SUCTION LOSSES.
- \*\*\* THE PUMP IS CAPABLE OF THE HIGH PRESSURE PERFORMANCE SHOWN. ACTUAL OBTAINABLE PRESSURE SHOULD BE CHECKED IN ADVANCE, AND IS GOVERNED BY THE ENGINE SPEED, AVAILABLE HORSEPOWER, AND PUMP RATIO.

THIS CHART IS TO BE USED TO SELECT THE PROPER PUMP GEARBOX RATIO. THE INPUT SPEED AND HORSEPOWER REQUIREMENTS SHOWN ARE NOMINAL ±5% 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 RATING. THE DEDUCTIONS COULD BE ENGINE AND VEHICLE ACCESSORIES, ELEVATION, TEMPERATURE, BAROMETER, ETC. CHECK WITH THE ENGINE MANUFACTURER FOR THEIR RECOMMENDATION AND APPROVAL OF THE NET HORSEPOWER CURVE.

THE PUMPING TORQUE REQUIREMENTS MIGHT EXCEED THE TRUCK'S TRANSMISSION CASE, POWER TAKE-OFF AND DRIVELINE COMPONENT LIMITS. CONTACT THE RESPECTIVE EQUIPMENT MANUFACTURER FOR THEIR APPROVAL OF THE PUMPING APPLICATION.

ECO NO. REV CHANG
1086 A RELEASED FOR PRODUCTOR B UPDATED DATA, REMOVED

S761 B UPDATED DATA, REMOVED