

NFPA 1901 RATING CHART

Qpak SERIES PTO PUMP

E-1160A


RATED FROM 500 GPM @150PSI TO 1000 GPM @150 PSI

SINGLE STAGE PUMP- 10.0" IMPELLER

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

Qpak50 4-1/2 IN. HOSE, 12,500 FEET
 Qpak50 5 IN. HOSE, 14,500 FEET
 Qpak50 6 IN. HOSE, 15,500 FEET
 Qpak75 4-1/2 IN. HOSE, 4,000 FEET

Qpak75 5 IN. HOSE, 7,000 FEET
 Qpak75 6 IN. HOSE, 10,000 FEET
 Qpak100 5 IN. HOSE, 2,000 FEET
 Qpak100 6 IN. HOSE, 5,300 FEET

RATED CAPACITY (US GPM)	CAPACITY (US GPM)	PRESSURE (PSIG) ***	HORSEPOWER REQUIRED	"J" GEARBOX INPUT DRIVE SHAFT (RPM)*										HALE PRODUCTS, INC. A Unit of IDEX Corporation Conshohocken, PA 19428 USA	SCALE: NONE	
				2.57		2.35		2.08		1.80		1.64				SIZE
				RATIO	TORQUE (LBS-FT)	RATIO	TORQUE (LBS-FT)	RATIO	TORQUE (LBS-FT)	RATIO	TORQUE (LBS-FT)	RATIO	TORQUE (LBS-FT)			
500	PUMP MODEL			Qpak50-25J	Qpak50-23J	Qpak50-21J	Qpak50-18J	Qpak50-16J							DRAWN / DLM CHECKED / MAL	
	500	150	76	1330	300	1460	273	1640	243	1900	210	2080	192			
	500	165	84	1390	317	1520	290	1720	256	1980	223	2180	202			
	350	200	92	1520	318	1660	291	1880	257	2170	223	2380	203			
750	PUMP MODEL			Qpak75-25J	Qpak75-23J	Qpak75-21J	Qpak75-18J	Qpak75-16J						COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY		
	750	150	101	1380	384	1510	351	1700	312	1970	269	2160	246			
	750	165	112	1430	411	1570	375	1770	332	2040	288	2240	263			
	525	200	110	1530	378	1670	346	1880	307	2180	265	2390	242			
1000	PUMP MODEL			Qpak100-25J	Qpak100-23J	Qpak100-21J	Qpak100-18J	Qpak100-16J						BY DATE APED M/L		
	1000	150	132	1450	478	1590	436	1790	387	2070	335	2270	305			
	1000	165	143	1510	497	1660	452	1870	402	2160	348	2370	317			
	700	200	128	1550	434	1690	398	1910	352	2200	306	2420	278			
	500	250	138	1690	429	1850	392	2090	347	2410	301	2650	274			
** HIGH PRESSURE	200	300	141	1830	405	2000	370	2260	328	2620	283	2870	258	BY DATE APED 12/14/00 M/L		
<p>* ENGINE SPEED MUST NOT EXCEED MFR'S MAXIMUM NO-LOAD GOVERNED SPEED.</p> <p>** 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.</p> <p>*** GAUGE PRESSURE DOES NOT INCLUDE LIFT OR SUCTION LOSSES.</p> <p>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 NAPA 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 THE NET HORSEPOWER CURVE.</p>														CHANGED FROM	RELEASE TO PRODUCTION	ECO NO. REV
														00-723 A		
														E-1160A		