

NFPA 1901 RATING CHART

QFLO Plus SERIES PUMP

RATED FROM 750 GPM @ 150 PSI TO 1250 GPM @ 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.

QFLOPlus75	4-1/2	IN. HOSE,	4500 FEET	QFLOPlus100	5	IN. HOSE,	2500 FEET
QFLOPlus75	5	IN. HOSE,	6500 FEET	QFLOPlus100	6	IN. HOSE,	6500 FEET
QFLOPlus75	6	IN. HOSE,	8500 FEET	QFLOPlus125	6	IN. HOSE,	3300 FEET

* ENGINE SPEED MUST NOT EXCEED MFR'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 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 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.

E-1235A

RATED CAPACITY (US GPM)	CAPACITY (US GPM)	PRESSURE (PSIG) ***	HORSEPOWER REQUIRED	"L" GEARBOX INPUT DRIVE SHAFT (RPM)*					RATED CAPACITY (US GPM)	CAPACITY (US GPM)	PRESSURE (PSIG) ***	HORSEPOWER REQUIRED	"X" GEARBOX INPUT DRIVE SHAFT (RPM) *					HALE PRODUCTS, INC. A Unit of IDEX Corporation Conshohocken, PA 19428 USA	DRAWN: ERB DATE: 1-20-98	CHECKED: MAL	SCALE: NONE		
				RATIO	RATIO	RATIO	RATIO	RATIO					RATIO	RATIO	RATIO	RATIO	RATIO					RATIO	
				2.28	2.05	1.86	1.71	1.58					2.83	2.55	2.32	2.13	1.96						
750	PUMP MODEL			QFLO75-23	QFLO75-21	QFLO75-19	QFLO75-17	QFLO75-15	750	PUMP MODEL			QFLO75-28	QFLO75-25	QFLO75-23	QFLO75-21	QFLO75-19	HALE NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OF MACHINERY	APVD: MAL DATE: 10-14-04	BY: ERB DATE: 10-14-04	CHANGED FROM: [] RELEASE TO PRODUCTION: []	ECCO NO REV: 04-251 A	E-1235A
	750	150	114	1490	1660	1830	1990	2150		750	150	114	1200	1330	1470	1600	1740						
	750	165	126	1550	1720	1900	2070	2240		750	165	126	1250	1390	1520	1660	1800						
	525	200	134	1660	1840	2030	2210	2390		525	200	134	1330	1480	1630	1770	1920						
	375	250	168	1820	2020	2230	2430	2620		375	250	168	1470	1630	1790	1950	2110						
1000	PUMP MODEL			QFLO100-23	QFLO100-21	QFLO100-19	QFLO100-17	QFLO100-15	1000	PUMP MODEL			QFLO100-28	QFLO100-25	QFLO100-23	QFLO100-21	QFLO100-19	HALE NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OF MACHINERY	APVD: MAL DATE: 10-14-04	BY: ERB DATE: 10-14-04	CHANGED FROM: [] RELEASE TO PRODUCTION: []	ECCO NO REV: 04-251 A	E-1235A
	1000	150	136	1560	1730	1910	2080	2250		1000	150	136	1260	1390	1530	1670	1810						
	1000	165	150	1660	1850	2040	2220	2400		1000	165	150	1340	1490	1640	1780	1930						
	700	200	151	1690	1880	2070	2250	2440		700	200	151	1360	1510	1660	1810	1960						
	500	250	175	1840	2050	2260	2460	2660		500	250	175	1490	1650	1810	1970	2140						
1250	PUMP MODEL			QFLO125-23	QFLO125-21	QFLO125-19	QFLO125-17	QFLO125-15	1250	PUMP MODEL			QFLO125-28	QFLO125-25	QFLO125-23	QFLO125-21	QFLO125-19	HALE NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OF MACHINERY	APVD: MAL DATE: 10-14-04	BY: ERB DATE: 10-14-04	CHANGED FROM: [] RELEASE TO PRODUCTION: []	ECCO NO REV: 04-251 A	E-1235A
	1250	150	165	1630	1810	2000	2170	2350		1250	150	165	1310	1460	1600	1740	1900						
	1250	165	176	1700	1890	2080	2260	2450		1250	165	176	1370	1520	1670	1810	1970						
	875	200	170	1740	1930	2130	2320	2510		875	200	170	1400	1550	1710	1860	2020						
	625	250	191	1850	2060	2270	2470	2670		625	250	191	1490	1650	1820	1980	2150						
** HIGH PRESSURE	200	300	150	2080	2310	2540	2770	2990	** HIGH PRESSURE	200	300	150	1670	1860	2040	2220	2420						