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E-1235B

SINGLE STAGE PUMP- 10.25" 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.
STANDARD TEST CONDITIONS AND MAXIMUM ELEVATION DO NOT INCLUDE TRUCK PIPING LOSSES.

QFLOPlus75	4-1/2 IN. HOSE, 4500 FEET (1370 M)	QFLOPlus100	5 IN. HOSE, 2500 FEET (760 M)
QFLOPlus75	5 IN. HOSE, 6500 FEET (1980 M)	QFLOPlus100	6 IN. HOSE, 6500 FEET (1980 M)
QFLOPlus75	6 IN. HOSE, 8500 FEET (2590 M)	QFLOPlus125	6 IN. HOSE, 3300 FEET (1005 M)

RATED CAPACITY (US GPM)	CAPACITY (US GPM)	PRESSURE (PSI(G) **	HORSEPOWER REQUIRED	PUMP INPUT DRIVE SHAFT (RPM)*										HALE PRODUCTS, INC. A Unit of IDEX Corporation Ocala, FL 34475 USA				SCALE NONE
				RATIO 2.28	TORQUE (LBS-FT)	RATIO 2.05	TORQUE (LBS-FT)	RATIO 1.86	TORQUE (LBS-FT)	RATIO 1.71	TORQUE (LBS-FT)	RATIO 1.58	TORQUE (LBS-FT)					
750	PUMP MODEL			QFLOPlus75-23		QFLOPlus75-21		QFLOPlus75-19		QFLOPlus75-17		QFLOPlus75-15		HALE COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY	DATE 01/20/1998	SIZE A		
	750	150	114	1490	402	1660	361	1830	327	1990	301	2150	278					
	750	165	126	1550	427	1720	385	1900	348	2070	320	2240	295					
	525	200	134	1660	424	1840	382	2030	347	2210	318	2390	294					
	375	250	168	1820	485	2020	437	2230	396	2430	363	2620	337					
1000	PUMP MODEL			QFLOPlus100-23		QFLOPlus100-21		QFLOPlus100-19		QFLOPlus100-17		QFLOPlus100-15		HALE COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY	DATE 01/20/1998	SIZE A		
	1000	150	136	1560	458	1730	413	1910	374	2080	343	2250	317					
	1000	165	150	1660	475	1850	426	2040	386	2220	355	2400	328					
	700	200	151	1690	469	1880	422	2070	383	2250	352	2440	325					
	500	250	175	1840	500	2050	448	2260	407	2460	374	2660	346					
1250	PUMP MODEL			QFLOPlus125-23		QFLOPlus125-21		QFLOPlus125-19		QFLOPlus125-17		QFLOPlus125-15		HALE COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY	DATE 01/20/1998	SIZE A		
	1250	150	165	1630	532	1810	479	2000	433	2170	399	2350	369					
	1250	165	176	1700	544	1890	489	2080	444	2260	409	2450	377					
	875	200	170	1740	513	1930	463	2130	419	2320	385	2510	356					
	625	250	191	1850	542	2060	487	2270	442	2470	406	2670	376					
														CHANGED FROM REDRAWN TO CURRENT FORMAT	REV B	ECN NO. CFL3627		
														CHANGED FROM REDRAWN TO CURRENT FORMAT	REV B	ECN NO. CFL3627		
														CHANGED FROM REDRAWN TO CURRENT FORMAT	REV B	ECN NO. CFL3627		
HIGH PRESSURE ***	200	300	150	2080	379	2310	341	2540	310	2770	284	2990	263	HALE COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY	DATE 01/20/1998	SIZE A		
* 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.																		
FOR ROAD OPERATION, ENGINE TORQUE ON PUMP DRIVE LINE SHOULD BE CHECKED PER HALE FORM F-72. 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.																		
****PUMP IS CAPABLE OF MAXIMUM ELEVATION LISTED WITH SPECIFIC CONFIGURATION AND ACCESSORIES.																		
E-1235B																		

NFPA 1901 RATING CHART

QFLO Plus SERIES PUMP

WITH "XG" GEARBOX

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

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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.

QFLOPlus75 4-1/2 IN. HOSE, 4500 FEET (1370 M)
 QFLOPlus75 5 IN. HOSE, 6500 FEET (1980 M)
 QFLOPlus75 6 IN. HOSE, 8500 FEET (2590 M)

QFLOPlus100 5 IN. HOSE, 2500 FEET (760 M)
 QFLOPlus100 6 IN. HOSE, 6500 FEET (1980 M)
 QFLOPlus125 6 IN. HOSE, 3300 FEET (1005 M)

RATED CAPACITY (US GPM)	CAPACITY (US GPM)	PRESSURE (PSIG) **	HORSEPOWER REQUIRED	PUMP INPUT DRIVE SHAFT (RPM)*										HALE PRODUCTS, INC. A Unit of IDEX Corporation Ocala, FL 34475 USA				SCALE NONE				
				RATIO 2.83	TORQUE (LBS-FT)	RATIO 2.55	TORQUE (LBS-FT)	RATIO 2.32	TORQUE (LBS-FT)	RATIO 2.13	TORQUE (LBS-FT)	RATIO 1.96	TORQUE (LBS-FT)									
750	PUMP MODEL			QFLOPlus75-28		QFLOPlus75-25		QFLOPlus75-23		QFLOPlus75-21		QFLOPlus75-19		<div>HALE</div> <div>COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY</div>	DATE 01/20/1998	SIZE A						
	750	150	114	1200	499	1330	450	1470	407	1600	374	1740	344									
	750	165	126	1250	529	1390	476	1520	435	1660	399	1800	368									
	525	200	134	1330	529	1480	476	1630	432	1770	398	1920	367									
	375	250	168	1470	600	1630	541	1790	493	1950	452	2110	418									
1000	PUMP MODEL			QFLOPlus100-28		QFLOPlus100-25		QFLOPlus100-23		QFLOPlus100-21		QFLOPlus100-19					APVD AUG					
	1000	150	136	1260	567	1390	514	1530	467	1670	428	1810	395									
	1000	165	150	1340	588	1490	529	1640	480	1780	443	1930	408									
	700	200	151	1360	583	1510	525	1660	478	1810	438	1960	405									
	500	250	175	1490	617	1650	557	1810	508	1970	467	2140	429									
1250	PUMP MODEL			QFLOPlus125-28		QFLOPlus125-25		QFLOPlus125-23		QFLOPlus125-21		QFLOPlus125-19						CHANGED FROM REDRAWN TO CURRENT FORMAT				
	1250	150	165	1310	662	1460	594	1600	542	1740	498	1900	456									
	1250	165	176	1370	675	1520	608	1670	554	1810	511	1970	469									
	875	200	170	1400	638	1550	576	1710	522	1860	480	2020	442									
	625	250	191	1490	673	1650	608	1820	551	1980	507	2150	467									
																			ECN NO. CFL3627	REV B		
																					DATE 1/7/2016	
																						BY KTN
														HIGH PRESSURE ***								
															200							
																300						
																	150					
																		1670				
																			472			
																				1860		
														424								
															2040							
																386						
																	2220					
																		355				
																			2420			
																				326		
* ENGINE SPEED MUST NOT EXCEED MFR'S MAXIMUM NO-LOAD GOVERNED SPEED.														HALE							DATE 01/20/1998	SIZE A
** GAUGE PRESSURE DOES NOT INCLUDE LIFT OR SUCTION LOSSES.																						
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