


**E-1234B**

## SINGLE STAGE PUMP- 7-1/2" (19,05 CM) IMPELLER

APS45	4-1/2 IN. HOSE, 5400 FEET (1650 M)
APS50	4 IN. HOSE, 2000 FEET (600 M)
APS50	4-1/2 IN HOSE, 3150 FEET (960 M)

				"SILENCER SERIES" GEARBOX INPUT DRIVE SHAFT (RPM)*										<div><div>HALE PRODUCTS, INC. A Unit of IDEX Corporation Conshohocken, PA 19428 USA</div></div>					
RATED CAPACITY (US GPM)	CAPACITY (US GPM)	PRESSURE (PSIG) **	HORSEPOWER REQUIRED	RATIO 3.74	TORQUE (LBS-FT)	RATIO 2.91	TORQUE (LBS-FT)	RATIO 2.60	TORQUE (LBS-FT)	RATIO 2.33	TORQUE (LBS-FT)	RATIO 1.64	TORQUE (LBS-FT)						
250	PUMP MODEL			APS25-37		APS25-29		APS25-26		APS25-23		APS25-16							
	250	150	44	1230	188	1590	145	1770	131	1980	117	2810	82						
	250	165	48	1290	195	1660	152	1860	136	2070	122	2940	86						
	175	200	54	1410	201	1810	157	2030	140	2260	125	3220	88						
	125	250	66	1580	219	2020	172	2260	153	2530	137	3590	97						
300	PUMP MODEL			APS30-37		APS30-29		APS30-26		APS30-23		APS30-16							
	300	150	48	1250	202	1610	157	1800	140	2000	126	2850	88						
	300	165	53	1310	212	1680	166	1880	148	2100	133	2980	93						
	210	200	57	1420	211	1820	164	2040	147	2270	132	3220	93						
	150	250	68	1590	225	2040	175	2280	157	2550	140	3610	99						
350	PUMP MODEL			APS35-37		APS35-29		APS35-26		APS35-23		APS35-16							
	350	150	52	1270	215	1630	168	1820	150	2030	135	2890	94						
	350	165	58	1350	226	1730	176	1940	157	2160	141	3070	99						
	245	200	60	1420	222	1830	172	2040	154	2280	138	3240	97						
	175	250	70	1590	231	2040	180	2280	161	2550	144	3620	102						
450	PUMP MODEL			APS45-37		APS45-29		APS40-26		APS40-23		APS40-16							
	450	150	62	1320	247	1690	193	1890	172	2110	154	2990	109						
	450	165	69	1360	266	1750	207	1960	185	2180	166	3100	117						
	315	200	67	1430	246	1840	191	2060	171	2290	154	3260	108						
	225	250	76	1600	249	2050	195	2300	174	2560	156	3640	110						
500	PUMP MODEL			APS50-37		APS50-29		APS50-26		APS50-23		APS50-16							
	500	150	75	1400	281	1800	219	2020	195	2250	175	3200	123						
	500	165	81	1460	291	1870	227	2090	204	2330	183	3310	129						
	350	200	74	1500	259	1930	201	2150	181	2400	162	3410	114						
	250	250	79	1630	255	2090	199	2340	177	2610	159	3700	112						
<p>* ENGINE SPEED MUST NOT EXCEED MFR'S MAXIMUM NO-LOAD GOVERNED SPEED.</p> <p>** GAUGE PRESSURE DOES NOT INCLUDE LIFT OR SUCTION LOSSES.</p> <p>*** 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.</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 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.</p> <p>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.</p>																			
ECO NO.	04-242	472																	
REV	A	B																	
RELEASE FOR DOCUMENTATION				CHANGED RATIO FROM 2.30 TO 2.33				CHANGED FROM				DATE				BY			
												10/8/2004				ERB			
												11/8/2006				MJP			

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MAXIMUM ELEVATION AT WHICH THE PUMP WILL PERFORM THE RATING WITH STANDARD TEST CONDITIONS OF 3 M LIFT, 6 M OF SUCTION HOSE & STRAINER. STANDARD TEST CONDITIONS AND MAXIMUM ELEVATION DO NOT INCLUDE TRUCK PIPING LOSSES.

HALE PRODUCTS, INC.  
A Unit of IDEX Corporation  
Conshohocken, PA 19428 USA



DATE	APVD
0/8/2004	MAL
1/8/2006	MAL

	BY	1
	ERB	1
	MJP	1

ATION  
TO 2.33