RATING CHART

SMD-X SERIES PUMP
SMM-X SERIES PUMP

RATED FROM 1250 GPM @150PSI TO 1500 GPM @150 PSI

SINGLE STAGE PUMP- 11.0" 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

SMD125, SMM125	6 IN. HOSE, 5300 FEET
SMD150, SMM150	6 IN. HOSE, 2000 FEET

RATED CAPACITY (US GPM)	CAPACITY (US GPM)	PRESSURE (PSIG) ***	HORSEPOWER REQUIRED	"X" GEARBOX INPUT DRIVE SHAFT (RPM)* RATIO 2.32	RATIO 2.13	RATIO 1.96	
1250	PUMP MODEL			SMD125-23X SMM125-23X	SMD125-21X SMM125-21X	SMD125-19X SMM125-19X	
	1250	150	184	1350	1470	1600	
	1250	165	202	1380	1500	1640	
	875	200	198	1470	1600	1740	
	625	250	213	1630	1770	1920	
1500 ****	PUMP MODEL			SMD150-23X SMM150-23X	SMD150-21X SMM150-21X	SMD150-19X SMM150-19X	
	1500	150	221	1390	1510	1640	
	1500	165	243	1420	1540	1680	
	1050	200	223	1490	1620	1770	
	750	250	244	1630	1770	1920	
** HIGH PRESSURE	200	300	216	1770	1930	2100	

* 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.
**** TO ACHIEVE 1500 GPM PUMP PERFORMANCE (SMD150-X), MIDSHIP MOUNTED, REQUIRES USE OF OPTIONAL 6" RAM'S HORN DUAL INLET TEE. FOR DETAILS SEE PLATE 1045.

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.

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

COPYRIGHT ©
NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY

ECO NO.	REV	CHANGED FROM	BY	DATE	APVD
04-085	A	RELEASE TO PRODUCTION	DLM	4/23/2004	MAL
04-105	B	UPDATED MAXIMUM ELEVATIONS	DLM	5/19/2004	MAL

SCALE: NONE | SIZE A | DATE: 4-22-04 | DRAWN DLM | CHECKED MAL

E-1217B

E-1217B