



ShalePumps
SP-1614 HIGH PERFORMANCE TRIPLEX
CONTINUOUS DUTY PUMP PERFORMANCE CHART

SP-1614 High Performance 14" Stroke Triplex		Strokes Per Min.	110	100	90	80	70	60
		Input HP**	1600	1455	1309	1164	1018	873
Plunger/Piston Size	Discharge Pressure Rating	Output Gal/Rev	OUTPUT - Gallons Per Minute*					
			7 1/2"	2,949	8.033	884	803	723
7"	3,385	6.997	770	700	630	560	490	420
6 1/2"	3,926	6.033	664	603	543	483	422	362
6"	4,607	5.141	565	514	463	411	360	308
5 1/2"	5,000*	4.320	475	432	389	346	302	259
5"	5,000*	3.570	393	357	321	286	250	214

*BASED ON 100% VOLUMETRIC EFFICIENCY; ** BASED ON 95% MECHANICAL EFFICIENCY

Features

- MINIMUM WEIGHT/MAXIMUM PERFORMANCE WITH CONTINUOUS DUTY LIFE EXPECTANCY
- HIGH PERFORMANCE STEEL FABRICATED POWER END WITH STEEL HERRINGBONE GEARS
- ANTI-FRICTION ROLLER BEARINGS THROUGHOUT
- HIGH STRENGTH STRUCTURAL STEEL FRAMES
- FORGED STEEL ECCENTRIC CRANKSHAFT
- DOUBLE (REDUNDANT) FAILSAFE INTERNAL LUBE SYSTEM
- METAL TO METAL LINER LOCK
- HIGH CAPACITY LINER WASH SYSTEM

Classification

General Duty

INPUT HORSEPOWER RATING.....	1600
PUMP SPEED.....	110
STROKE LENGTH.....	14"
MAXIMUM PISTON SIZE.....	7 1/2"
FLUID END WORKING PRESSURE RATING.....	5000 PSI
PISTON ROD END.....	SA-4
DISCHARGE CONNECTION SIZE.....	5" FLANGE
SUCTION CONNECTION SIZE.....	12" FLANGE
CRANKCASE OIL CAPACITY.....	165 GALLONS
LINERWASH CAPACITY.....	80 GALLONS
WEIGHT.....	53,750 LBS
INTERNAL GEAR RATIO.....	4.84:1



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6"	4,607	5.141	565	514	463	411	360	308
5 1/2"	5,483	4.320	475	432	389	346	302	259
5"	6,634	3.570	393	357	321	286	250	214
4 1/2"	7500*	2.892	318	289	260	231	202	174

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Classification	General Duty
INPUT HORSEPOWER RATING.....	1600
PUMP SPEED.....	110
STROKE LENGTH.....	14"
MAXIMUM PISTON SIZE.....	7 1/2"
FLUID END WORKING PRESSURE RATING.....	7500 PSI
PISTON ROD END.....	SA-4
DISCHARGE CONNECTION SIZE.....	5" FLANGE
SUCTION CONNECTION SIZE.....	12" FLANGE
CRANKCASE OIL CAPACITY.....	165 GALLONS
LINERWASH CAPACITY.....	80 GALLONS
WEIGHT.....	51,350 LBS
INTERNAL GEAR RATIO.....	4.84:1

