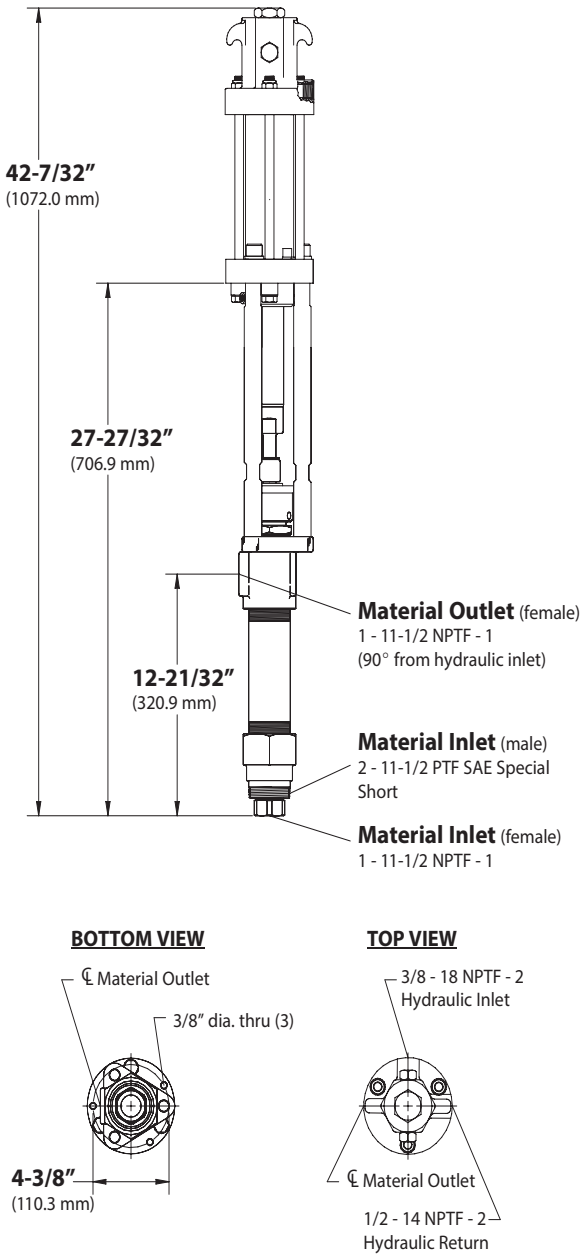
SALES AND ENGINEERING DATA

RATIO: SERIES:	1.7:1
FLUID PSIG: RANGE:	85 - 2040

650943-XXX-B
TWO - BALL PUMP

RELEASED:	9-20-01
REVISED:	8-18-17
(REV: G)	S-1249

DIMENSIONAL DATA



NOTE: Dimensions are shown in inches and (mm), supplied for reference only and are typically rounded up to the nearest 1/16 inch.

SPECIFICATIONS

CONSTRUCTION

Model Series (refer to option chart) 650943-XXX-B
Pump Type ..... Hydraulic Operated, Two - Ball, Double Acting Pump
Ratio 1.7:1
Hydraulic Motor 67147-B
Motor Repair Kit 637449
Motor Size ..... 2.062 sq." (13.3 sq. cm)
Stroke ..... 6" (15.2 cm)
Hydraulic Inlet (female) ..... 3/8 - 18 NPTF - 2
Hydraulic Return (female) ..... 1/2 - 14 NPTF - 2
Lower Pump End Series 66300-XXX
Lower Pump Repair Kit 637305-X43
Packing Options:

3 - Glass filled PTFE
C - UHMW-PE
G - UHMW-PE / Leather staggered
P - UHMW-PE / Glass filled PTFE staggered upper • UHMW-PE lower
R - Glass filled PTFE / UHMW-PE staggered upper • Glass filled PTFE lower

Material Inlet (female) ..... 1 - 11-1/2 NPTF - 1
(male) ..... 2 - 11-1/2 PTF SAE spec. short
Material Outlet (female) ..... 1 - 11-1/2 NPTF - 1

MATERIALS OF CONSTRUCTION

Outlet Body ..... CF-8M Stainless Steel
Cylinder (650943-XX3-B) ..... 316 SS, Hard Chrome
(650943-XXB-B) ..... 316 SS, Ceramic coated
Plunger (650943-XX3-B) ..... 17-4 SS, Hard Chrome
(650943-XXB-B) ..... 17-4 SS, Ceramic coated
Upper Ball (650943-X4X-B) ..... 316 Stainless Steel
(650943-X7X-B) ..... 440 Stainless Steel
Upper Seat ..... Tungsten Carbide
Lower Ball (650943-X4X-B) ..... 316 Stainless Steel
(650943-X7X-B) ..... 440 Stainless Steel
Lower Seat ..... Tungsten Carbide
Inlet Body ..... CF-8M Stainless Steel
Weight ..... 41.3 lbs (18.7 kgs)

PERFORMANCE

Hydraulic Inlet Pressure Range ..... 50 - 1200 psig (3.4 - 82.8 bar)
Fluid Pressure Range ..... 85 - 2040 psig (5.9 - 140.7 bar)
Required H-power @ 50 cpm ..... 3.2 @1200 psig (82.8 bar)
Hydraulic flow required @ 50 cpm .. 4.9 gpm (18.5 lpm)
Maximum Rec'd Cycles / Minute 50
Displacement Per Cycle ..... 14.5 In^3 (238 cc)
Cycles Per Gallon 15.9
Flow @ 50 Cycles / Minute ..... 3.1 gpm (11.9 lpm)
Noise Level ..... N / A
Maximum Temperature Limit ..... 130° F (54° C)

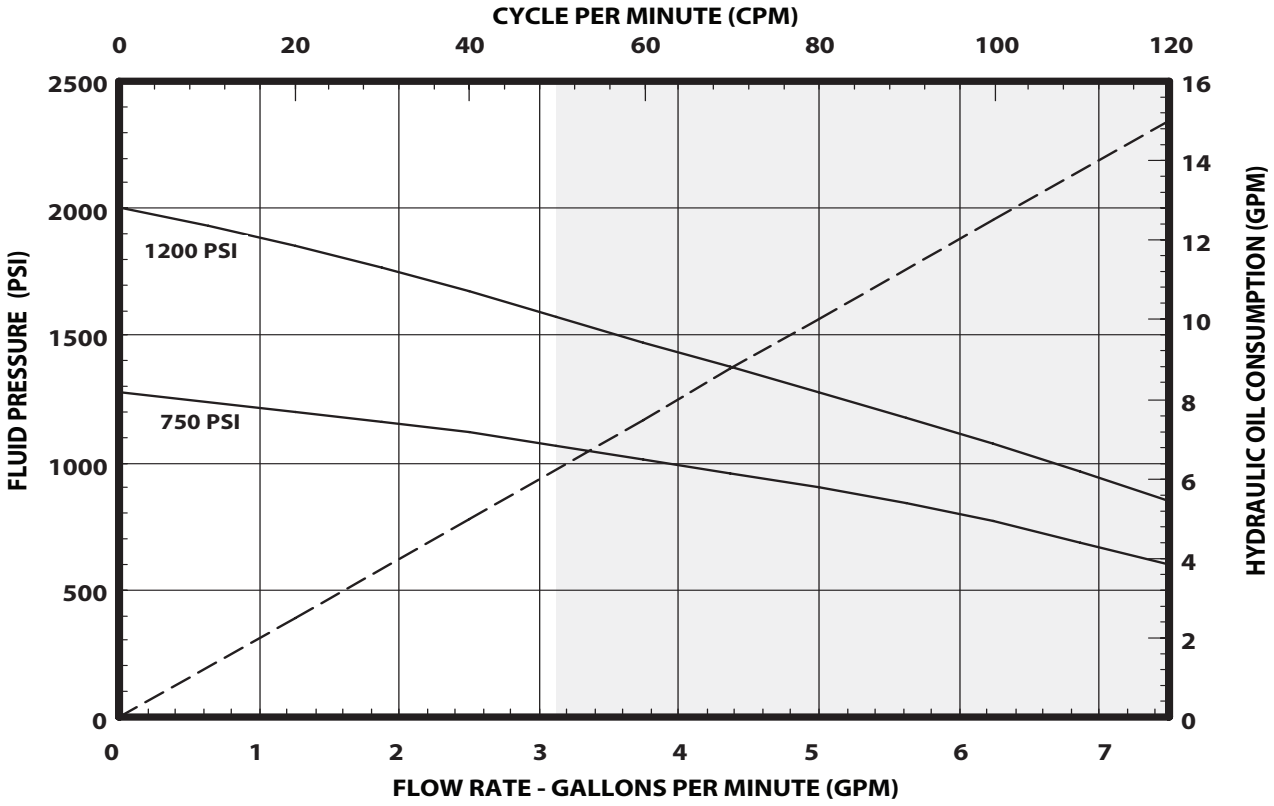
ACCESSORIES:
67069 Wall Mount Bracket

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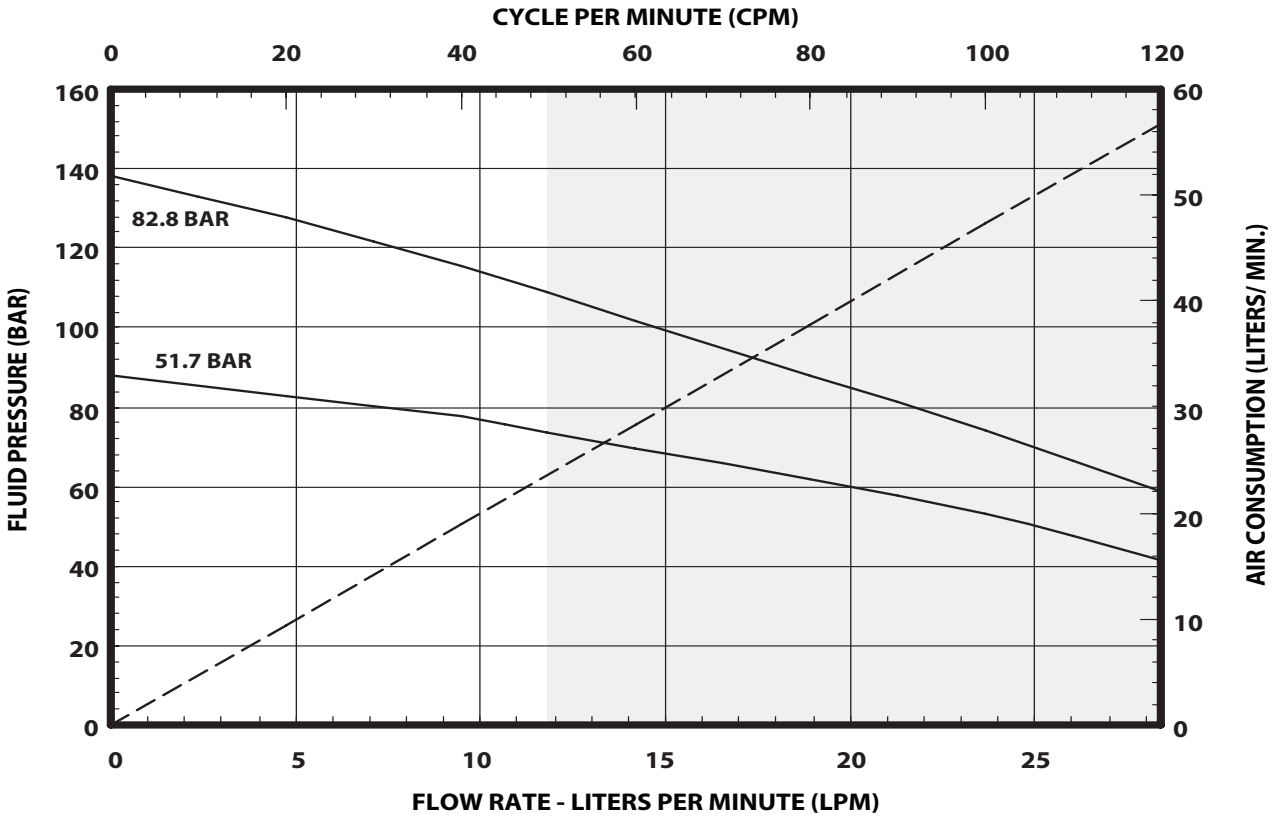
PERFORMANCE CURVES

PERFORMANCE BASED ON 30wt. OIL (100cSt) AT 40˚C TEMPERATURE



NOTE: NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE

PERFORMANCE BASED ON 30wt. OIL (100cSt) AT 40˚C TEMPERATURE



NOTE: NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE

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