

SALES AND ENGINEERING DATA

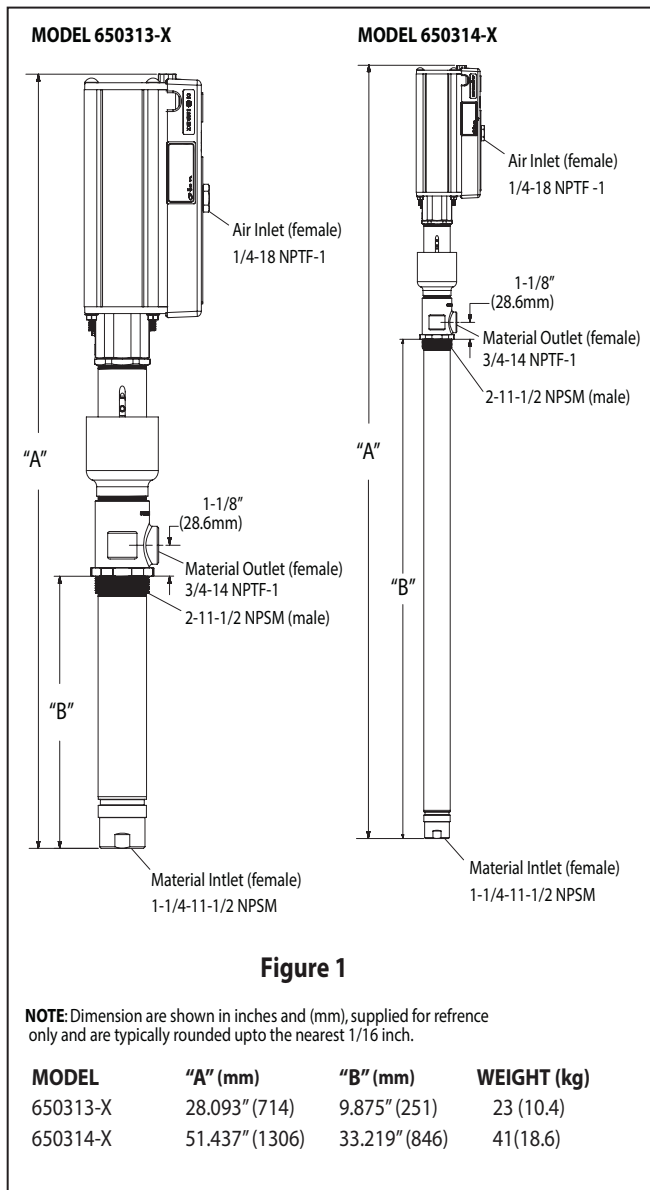
RATIO SERIES: **4:1**

FLUID PSIG RANGE: **30 - 795**

RELEASED: 1-3-11
REVISED: 8-11-17
(REV: E) S-1482

650313-X AND 650314-X TWO - BALL PUMP

DIMENSIONAL DATA



SPECIFICATIONS

Model Series (refer to option chart) 650313-X and 650314-X
Pump Type Air Operated, Two Ball, Stainless Steel Pump
Ratio 4:1
 Air Motor 67465
 Motor Repair Kit 637316
 Motor Diameter 3" (7.62 cm)
 Stroke 3" (7.62 cm)
 Air Inlet (female) 1/4 - 18 NPTF- 1
Lower Pump End Series K1875C11XXXX
Lower Pump Repair Kit
 650313-4/-6, 650314-4 K1875C11FF00
 650313/650313-5, 650314 K1875C11SS00
 650313-8 K1875C11VS00
 650313-7/-9 K1875C11VF00
Ball and Seat Service Kit 637011
Material Inlet (female) 1-1/4 - 11-1/2 NPSM
Material Outlet (female) 3/4 - 14 NPTF - 1

MATERIALS OF CONSTRUCTION

Outlet Body 316 Stainless Steel
Cylinder
 650313/ 650313-4/-8, 650314/650314-4 316 Stainless Steel
 650313-5/-6/-7/-9 Ceramic Coated 316 Stainless Steel
Plunger
 650313/ 650313-4/-8, 650314/650314-4 316 Stainless Steel
 650313-5/-6/-7/-9 Ceramic Coated 316 Stainless Steel

Upper Packing
 650313-4/-6, 650314-4 UHMW-PE
 650313/650313-5, 650314 PTFE
 650313-7/-8/-9 Viton
Lower Packing
 650313-4/-6/-7/-9, 650314-4 UHMW-PE
 650313/650313-5, 650314 PTFE
 650313-8 PTFE
Upper Ball 316 Stainless Steel
Upper Seat 316 Stainless Steel
Lower Ball 316 Stainless Steel
Inlet Body 316 Stainless Steel

PUMP PERFORMANCE

Air Inlet Pressure Range 30 -150 psi (2.1 - 10.3 bar)
Fluid Pressure Range 60 - 795 psig (4.1 - 54.8 bar)
Maximum Rec'd Cycles / Minute 120
Flow Rate @ 120 Cycles / Minute ... 4.26 gpm (16.121 lpm)
Displacement per Cycle 8.2 in.³ (134 cc)
Cycles Per Gallon 28
Noise Level @ 100psig- 60cpm 85 dB(A)^①

① The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (LA_{eq}) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

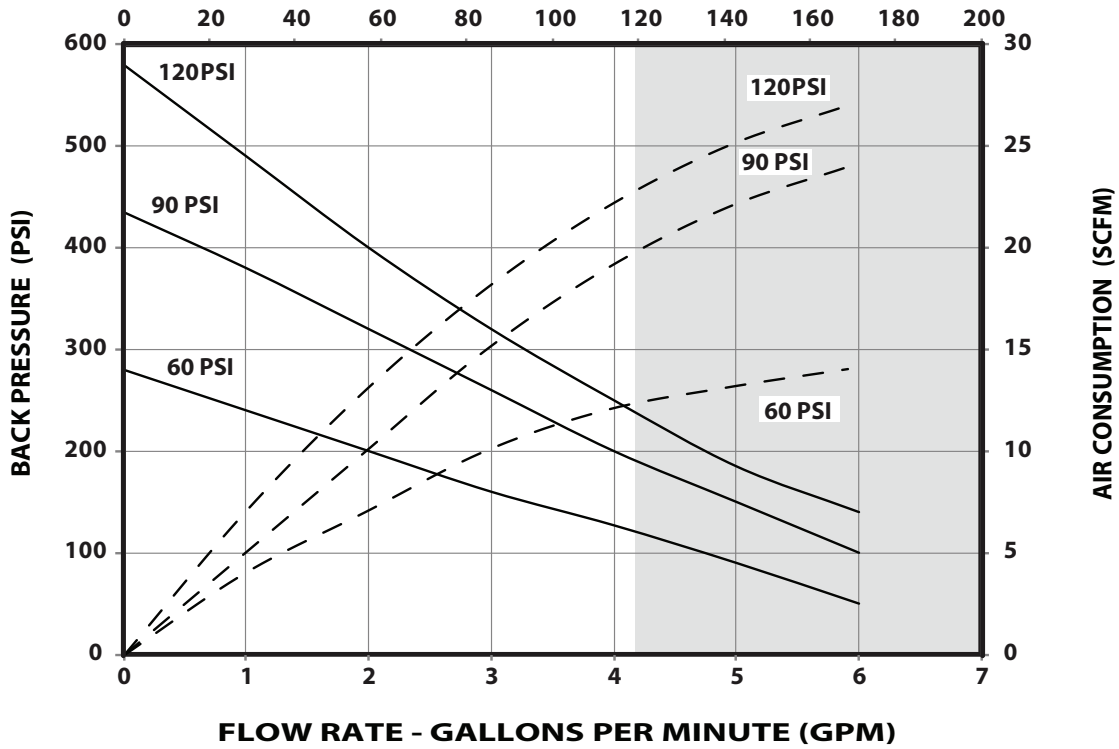
Accessories Available

61113 Wall Mount Bracket
 66073-1 AirLine Connection Kit

PERFORMANCE CURVES

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

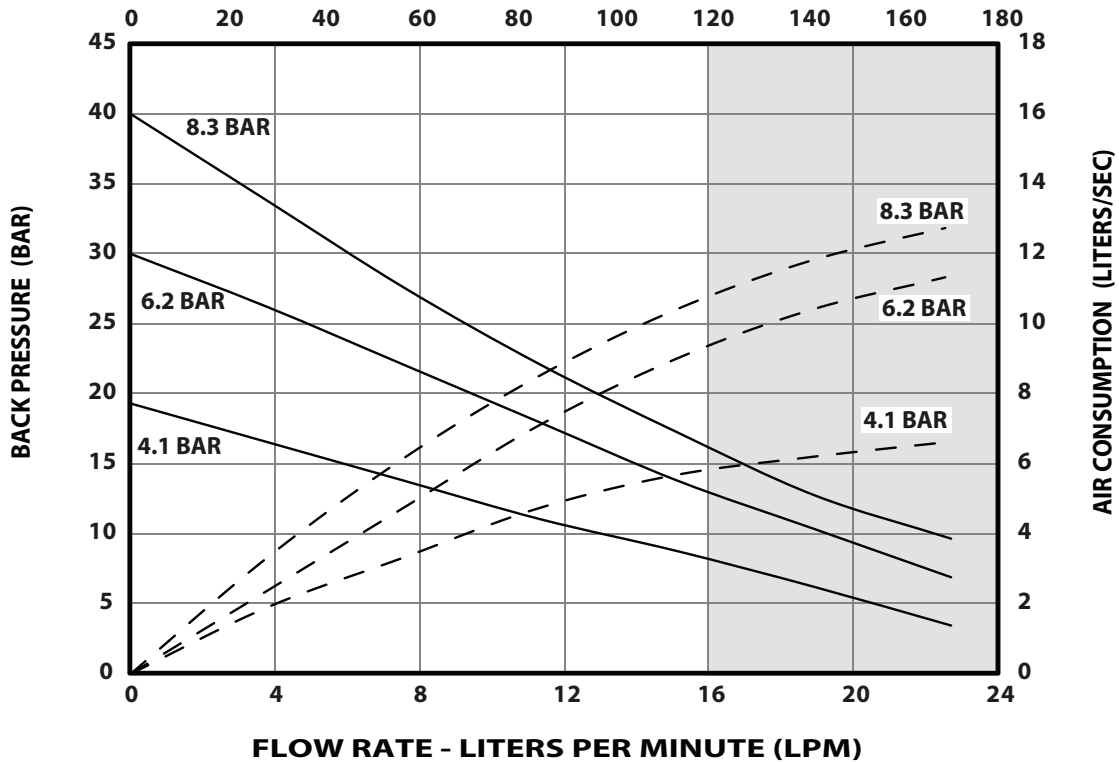
CYCLES PER MINUTE (CPM)



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

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CYCLES PER MINUTE (CPM)



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