



1" ELECTRIC DIAPHRAGM PUMP TECHNICAL DATA SHEET (FULL PRESSURE)

SERIES:

HEAVY DUTY ELECTRIC DIAPHRAGM PUMP

Engineered for the World's Most Challenging Fluid Transfer Applications

SPECIFICATIONS

SUCTION / DISCHARGE PORT SIZE

- 25 MM (1") / Aluminum/Stainless Steel - NPT or BSP (internal)

MAXIMUM FLOW RATE

- 68 LPM (17 GPM)

SOLIDS HANDLING

- Up to 3 MM (.11")

MAX OPERATING PRESSURE

- 8 BAR (116 PSI)

MAXIMUM SUCTION LIFT - M (FT)

- 8.3m (26') Wet / 4.5m (14') Dry

*with a reduced stroke length of 15 mm

HEADS UP TO - M (FT)

- 60m (196 ft)

DISPLACEMENT PER CYCLE - L (GAL)

- 0.44L (.11 Gal)

MOTOR & GEAR BOX - HP

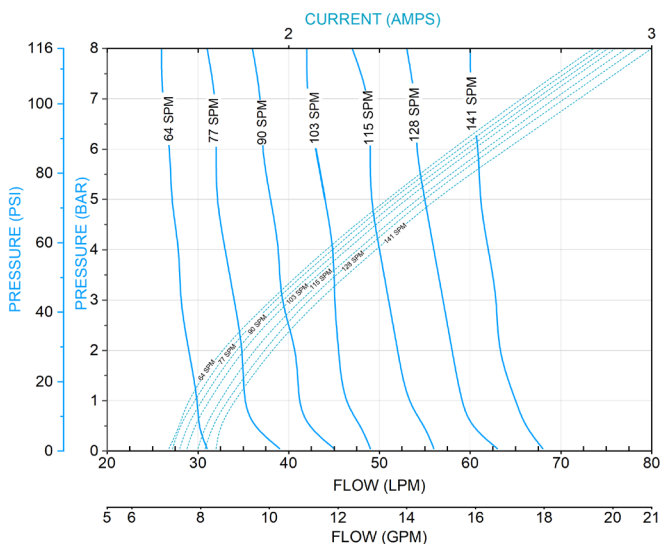
- 2hp (1.5 KW)

SOUND LEVEL

- <80 dB

MATERIAL OF CONSTRUCTION

- 1) Pump Wetted Parts
Aluminum, Stainless Steel
- 2) Diaphragm and check ball valve
Nitril, Santoprene, PTFE + Santoprene

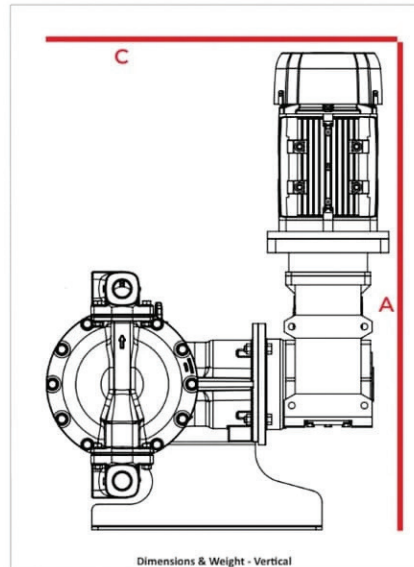
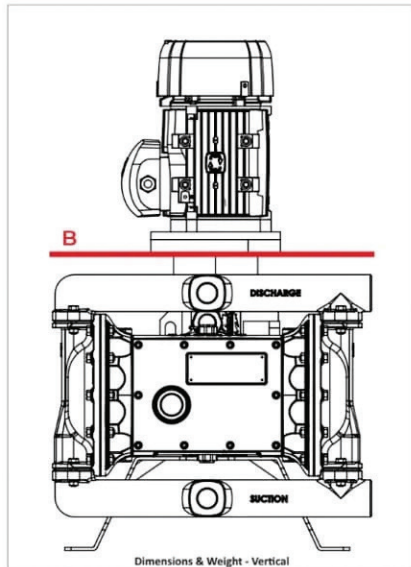


Notes:

1. Use 2 HP/1.5 KW motor for above 2.5 AMPS
2. The Performance curve is based on following: Santoprene elastomer fitted pump, flooded suction, water at ambient condition 25°C (77°F), with Cognito Dampener
3. The performance result may deviate in excess of 5% based on elastomer
4. Performance vary based on viscosity
5. NPSH-R curve at 6 BAR maximum discharge condition on elastomer

DIMENSIONS

VERTICAL ARRANGEMENT



DIMENSION & WEIGHT - VERTICAL *		25 MM (1")
ALUMINUM		
Height: MM (IN)	A	850mm (33.46")
Width: MM (IN)	B	495mm (19.41")
Length: MM (IN)	C	720mm (28.34")
Approx Weight: KG (LBS) Pump, Motor, Gear Box	W	127kg (198 lbs)
STAINLESS STEEL		
Height: MM (IN)	A	850mm (33.46")
Width: MM (IN)	B	495mm (19.41")
Length: MM (IN)	C	720mm (28.34")
Approx Weight: KG (LBS) Pump, Motor, Gear Box	W	127kg (198 lbs)



IDEX INDIA PVT LTD
 Survey No. 256, Near Bombardier Circle,
 GIDC Manjusar, Savli, Dist. Vadodara
 391770, State Gujarat, India



Warren Rupp, Inc.
 800 North Main Street
 Mansfield, Ohio 44902 USA



www.cognitopump.com/contact