



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

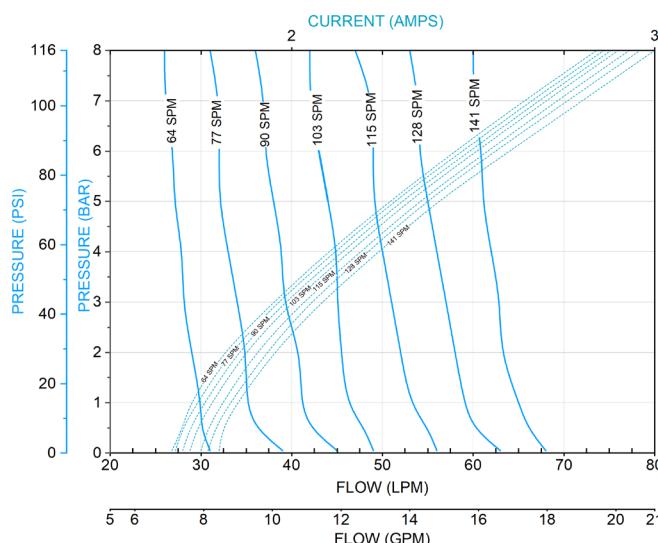
- 2hp (1.5 KW)

SOUND LEVEL

- <80 dB

MATERIAL OF CONSTRUCTION

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

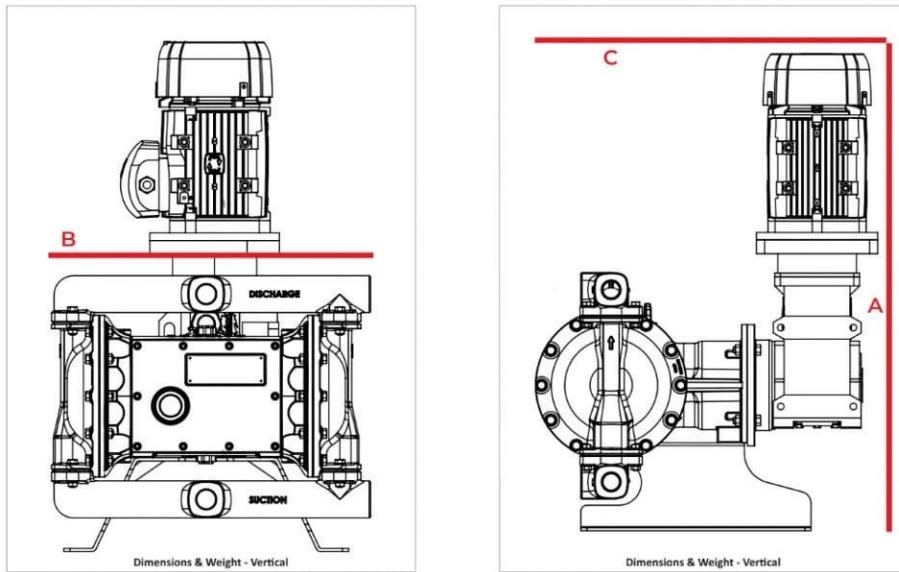


Notes:

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)

