

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 GPM

- 68 LPM (17 GPM)

SOLIDS HANDLING

- Up to 3 /mm (.11")

MAX OPERATING PRESSURE

- 8 BAR (116 PSI)

MAXIMUM SUCTION LIFT - M (FT)

- 8.3 (26") Wet / 4.5 (14") Dry

HEADS UP TO - M (FT)

- 80 m (262 ft)

DISPLACEMENT PER CYCLE - L (GAL)

- 0.4 (0.10)

MOTOR & GEAR BOX - HP

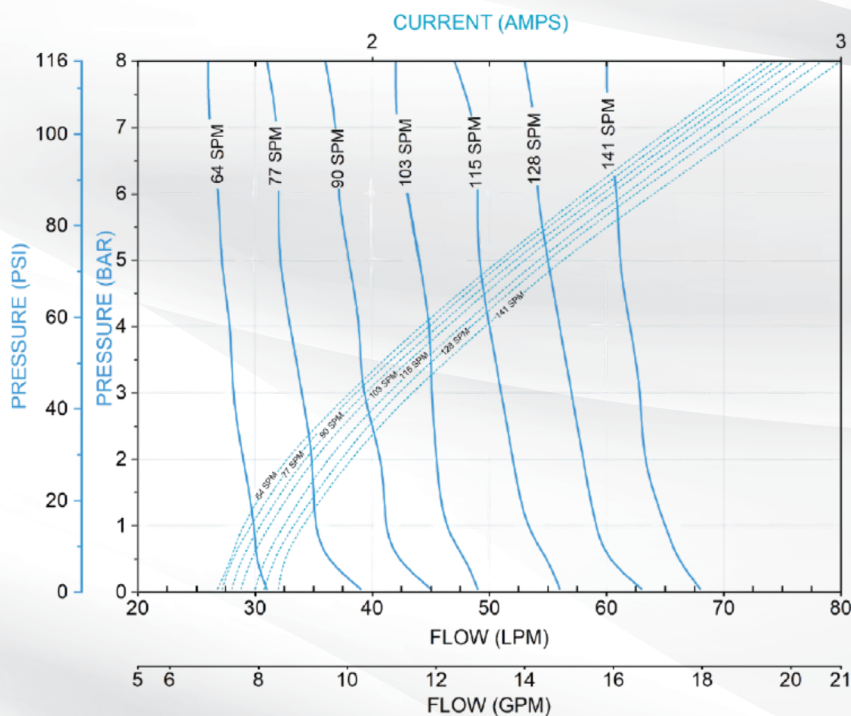
- 2hp (1.5 kW)

SOUND LEVEL

- <80 db

MATERIAL OF CONSTRUCTION

- 1) Pump Wetted Parts - Aluminum, Stainless Steel
- 2) Diaphragm and Check Ball Valve - Nitril, Santoprene, PTFE + Santoprene



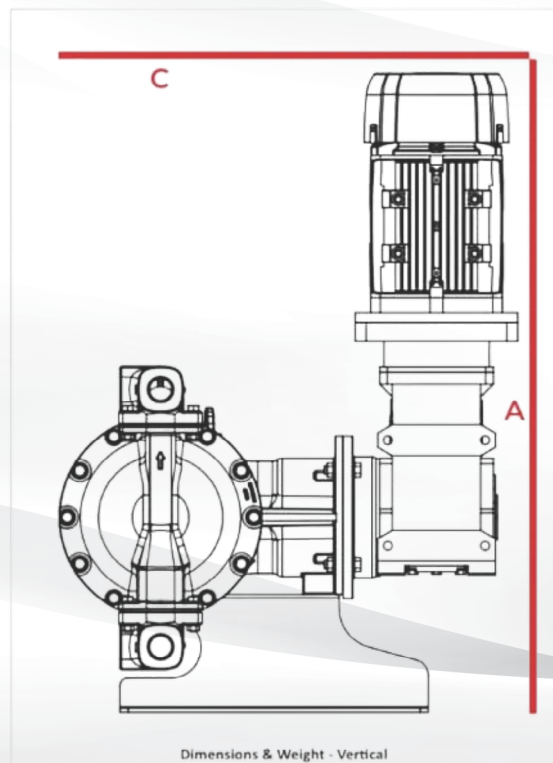
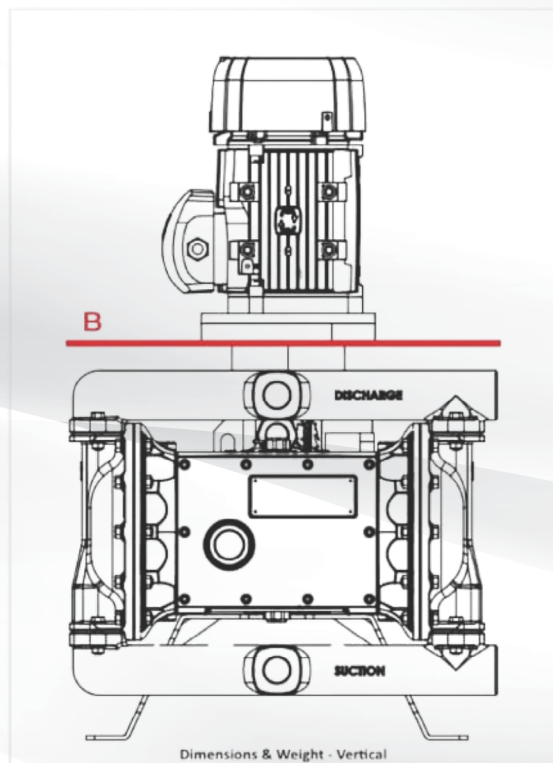
NOTES

1. Use 2 HP/1.5 kW motor for above 2.5 AMPS
2. The performance curve is based on the 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.

Pump specifications vary by region. Please contact your local sales team for more information.

DIMENSIONS

Vertical Arrangement



DIMENSION & WEIGHT - VERTICAL*		25 MM (1")
ALUMINUM		
Height: MM (IN)	A	850 (33.46)
Width: MM (IN)	B	495 (19.48)
Length: MM (IN)	C	720 (28.34)
Approx Shipping Weight: KG (LBS) Pump, Motor, Gear Box	W	90 (198)
STAINLESS STEEL		
Height: MM (IN)	A	720 (28.34)
Width: MM (IN)	B	495 (19.48)
Length: MM (IN)	C	562 (22.12)
Approx Shipping Weight: KG (LBS) Pump, Motor, Gear Box	W	95 (209)