

1" ELECTRIC DIAPHRAGM PUMP TECHNICAL DATA SHEET

SERIES:

HEAVY DUTY ELECTRIC DIAPHRAGM PUMP

Engineered for the World's Most Challenging Fluid Transfer Applications

SPECIFICATIONS

SUCTION / DISCHARGE PORT SIZE

- 25 MM (1") - ANSI 150# Flanges

MAXIMUM FLOW RATE GPM

- 87 LPM (22 GPM)

SOLIDS HANDLING

- Up to 5 mm (.27")

MAX OPERATING PRESSURE

- 5.5 BAR (79 PSI)

MAXIMUM SUCTION LIFT - M (FT)

- 8+ (26') Wet / 4+ (14') Dry*

HEADS UP TO - M (FT)

- 55m (180ft)

DISPLACEMENT PER CYCLE - L (GAL)

- 0.68L (0.18 gal)

MOTOR & GEAR BOX - HP

- 2hp (1.5 kW)

SOUND LEVEL

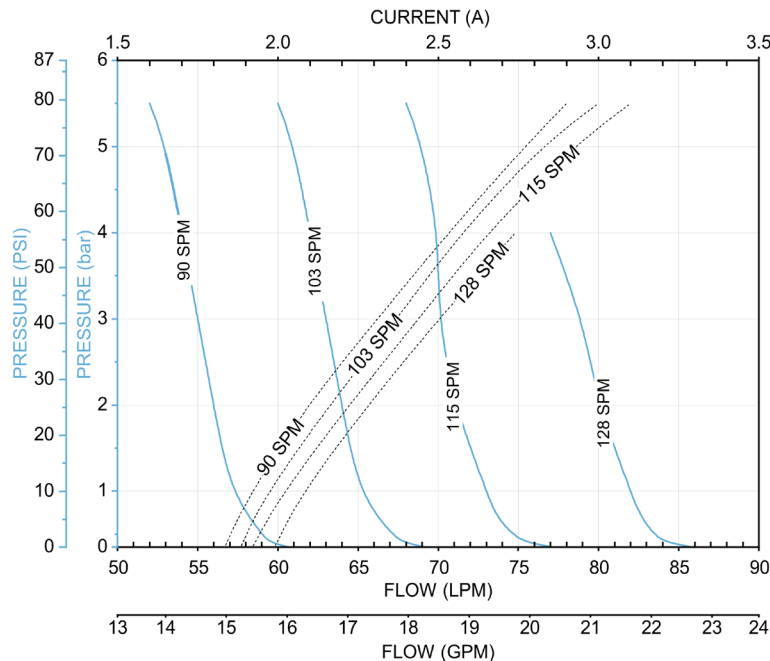
- <80 db

MATERIAL OF CONSTRUCTION

- 1) Pump Wetted Parts - Polypropylene
- 2) Diaphragm and Check Ball Valve - Santoprene, PTFE



*Applicable to Santoprene and PTFE Diaphragms only.



NOTES

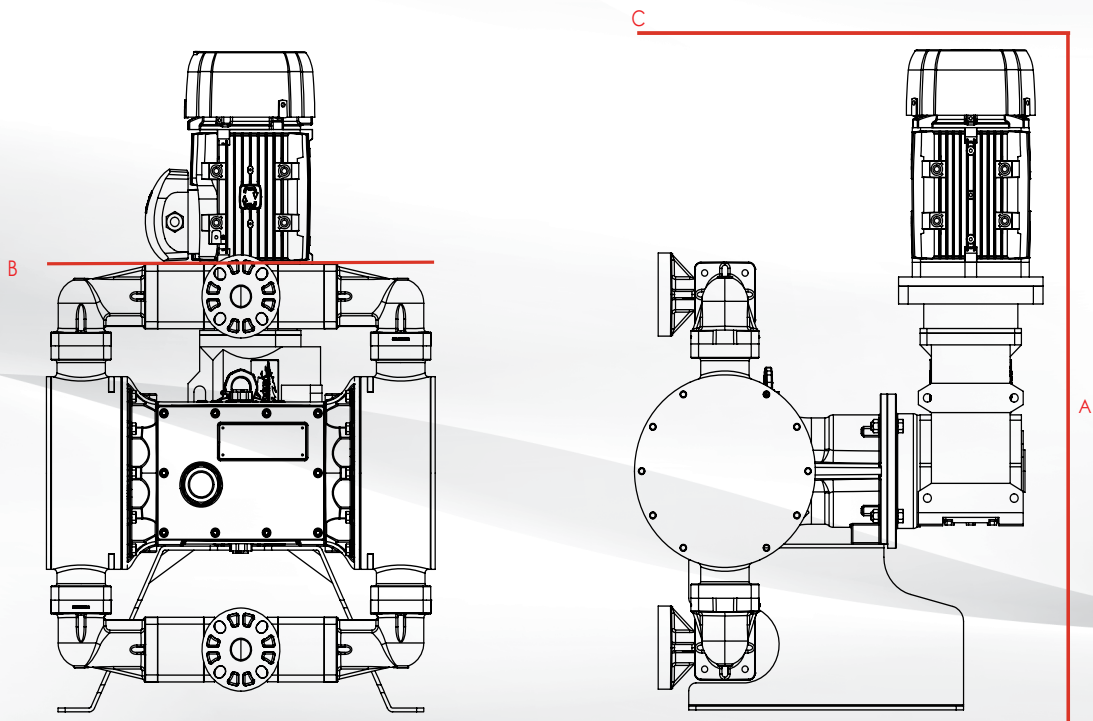
1. Use 2 HP/1.5 kW motor for above 2.5 AMPS.
2. The performance curve is based on the following: Santoprene elastomer fitted pump, flooded suction, water at ambient condition 25°C (77°F), with Cognito Dampener.

3. The performance result may deviate in excess of 5% based on elastomer.
4. Performance vary based on viscosity.

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

DIMENSIONS

Inline Arrangement



DIMENSION & WEIGHT - INLINE*		25 MM (1")
POLYPROPYLENE		
Height w/o Dampener: MM (IN)	A	460mm (18.11")
Width: MM (IN)	B	540mm (21.26")
Length: MM (IN)	C	565mm (22.24")
Approx Shipping Weight: KG (LBS) Bare Pump	W	143kg (315 lbs)
Approx Shipping Weight: KG (LBS) Pump, Motor, Gear Box	W	239kg (526 lbs)
*FINAL PUMP ASSEMBLY WEIGHTS AND DIMENSIONS DEPENDENT ON GEAR BOX AND MOTOR MANUFACTURER		