

2" 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

- 51 MM (2") / Aluminum - ANSI 150# Raised Face Flanges / Stainless Steel - NPT or BSP (internal)

MAXIMUM FLOW RATE GPM

- 300 LPM (79 GPM)

SOLIDS HANDLING

- Up to 5 mm (.19")

MAX OPERATING PRESSURE

- 8 BAR (116 PSI)

MAXIMUM SUCTION LIFT - M (FT)

- 8+ (26') Wet / 4.2+ (14') Dry*

HEADS UP TO - M (FT)

- 80 (262)

DISPLACEMENT PER CYCLE - L (GAL)

- 1.48 (.39)

MOTOR & GEAR BOX - HP

- 5hp (3.7 kW)

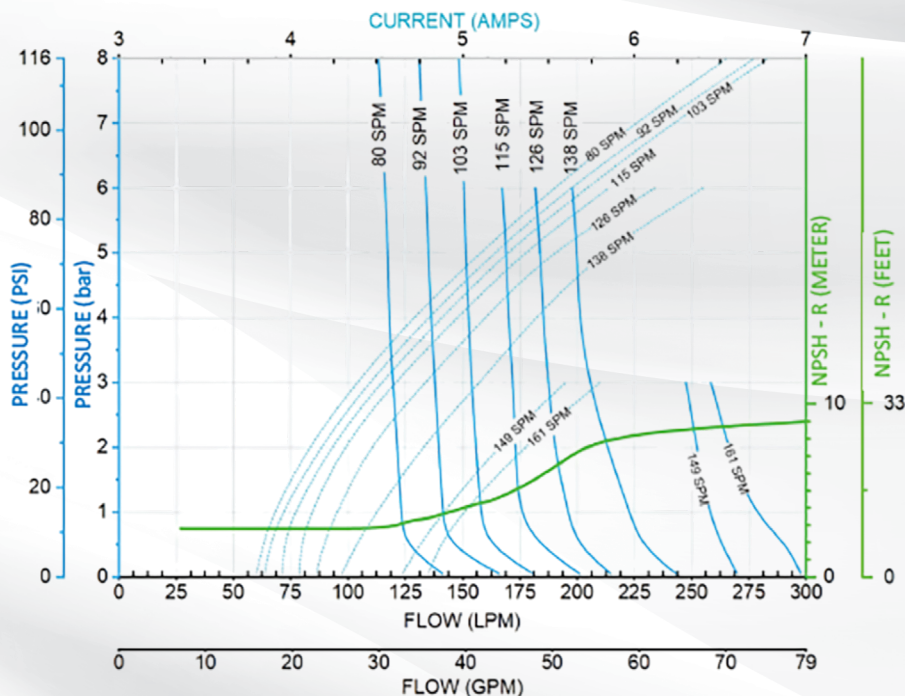
SOUND LEVEL

- <80 db

MATERIAL OF CONSTRUCTION

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

*Applicable to Santoprene and PTFE Diaphragms only.



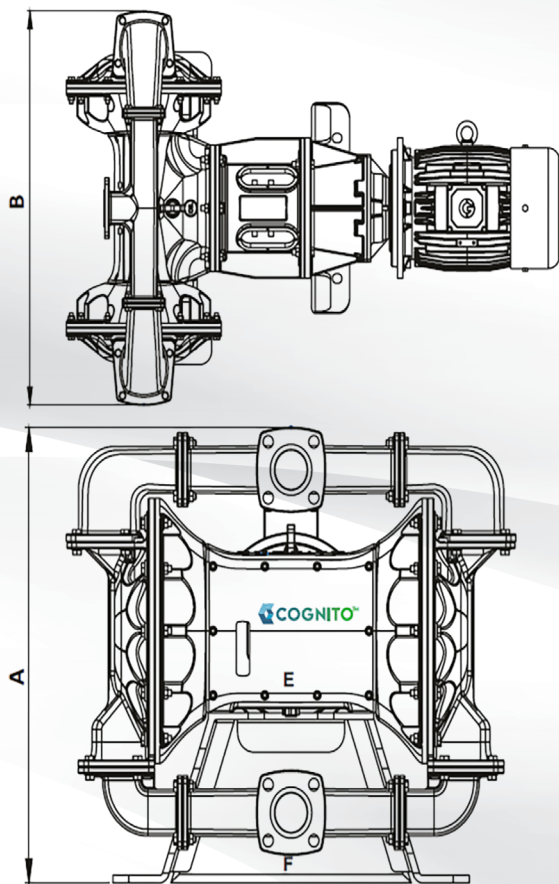
NOTES

1. Use 5 HP/3.7 KW motor for above 4 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.
6. For SPM 161 and 149, contact IDEX team.

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

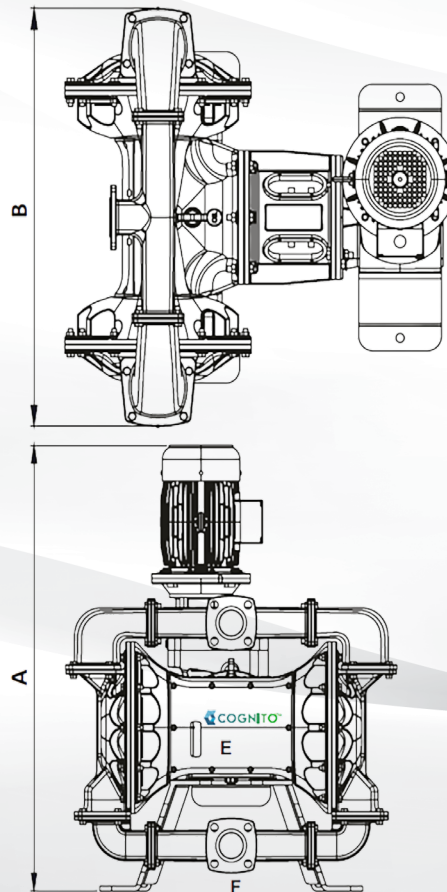
DIMENSIONS

Inline Arrangement



Dimensions & Weight - Inline

Vertical Arrangement



Dimensions & Weight - Vertical

DIMENSION & WEIGHT - INLINE*		51 MM (2")
ALUMINUM		
Height w/o Dampener: MM (IN)	A	600 (23.62)
Width: MM (IN)	B	735 (28.93)
Length: MM (IN)	C	1060 (41.73)
Approx Shipping Weight: KG (LBS) Bare Pump	W	105 (231.49)
Approx Shipping Weight: KG (LBS) Pump, Motor, Gear Box	W	221 (487)
STAINLESS STEEL		
Height: MM (IN)	A	570 (22.44)
Width: MM (IN)	B	735 (28.93)
Length: MM (IN)	C	1060 (41.73)
Approx Shipping Weight: KG (LBS) Bare Pump	W	131 (289)
Approx Shipping Weight: KG (LBS) Pump, Motor, Gear Box	W	265 (584)

*FINAL PUMP ASSEMBLY WEIGHTS AND DIMENSIONS DEPENDENT ON GEAR BOX AND MOTOR MANUFACTURER

DIMENSION & WEIGHT - VERTICAL *		51 MM (2")
ALUMINUM		
Height: MM (IN)	A	1080 (42.51)
Width: MM (IN)	B	735 (28.93)
Length: MM (IN)	C	775 (30.51)
Approx Shipping Weight: KG (LBS) Bare Pump	W	105 (231.49)
Approx Shipping Weight: KG (LBS) Pump, Motor, Gear Box	W	221 (487)
STAINLESS STEEL		
Height: MM (IN)	A	1050 (41.34)
Width: MM (IN)	B	735 (28.93)
Length: MM (IN)	C	775 (30.51)
Approx Shipping Weight: KG (LBS) Bare Pump	W	131 (289)
Approx Shipping Weight: KG (LBS) Pump, Motor, Gear Box	W	257 (566)

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