

3" 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

- 76 MM (3") / Aluminum - ANSI 150# Raised Face Flanges / Stainless Steel - NPT or BSP (internal)

MAXIMUM FLOW RATE GPM

- 510 LPM (135 GPM)

SOLIDS HANDLING

- Up to 7 mm (.27")

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)

- 2.9 (.76)

MOTOR & GEAR BOX - HP

- 7.5hp (5.5 kW)

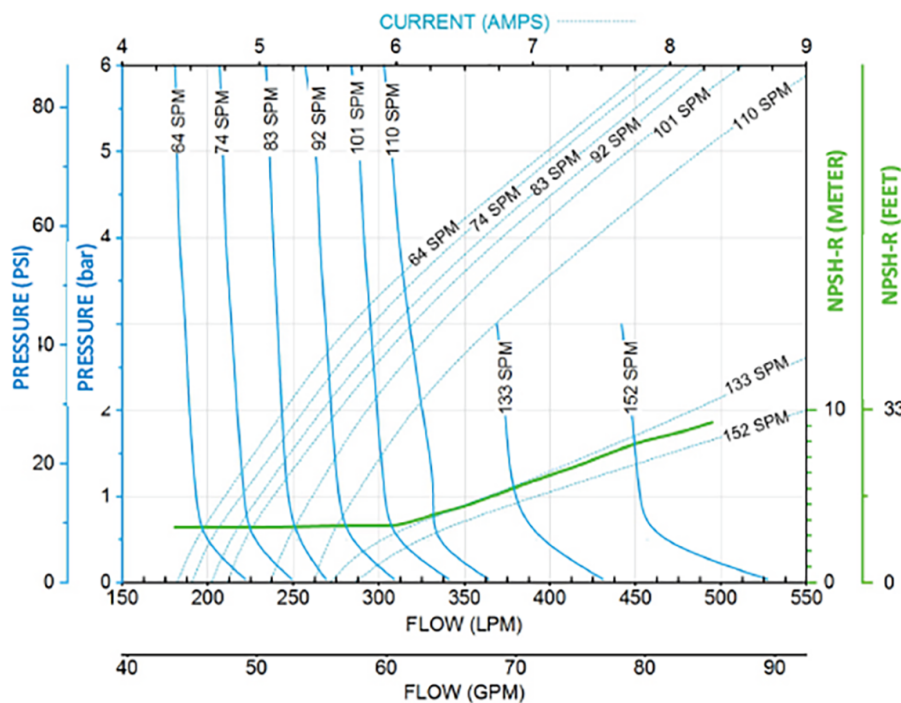
SOUND LEVEL

- <80 db

MATERIAL OF CONSTRUCTION

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

*Applicable to Santoprene and PTFE Diaphragms only.



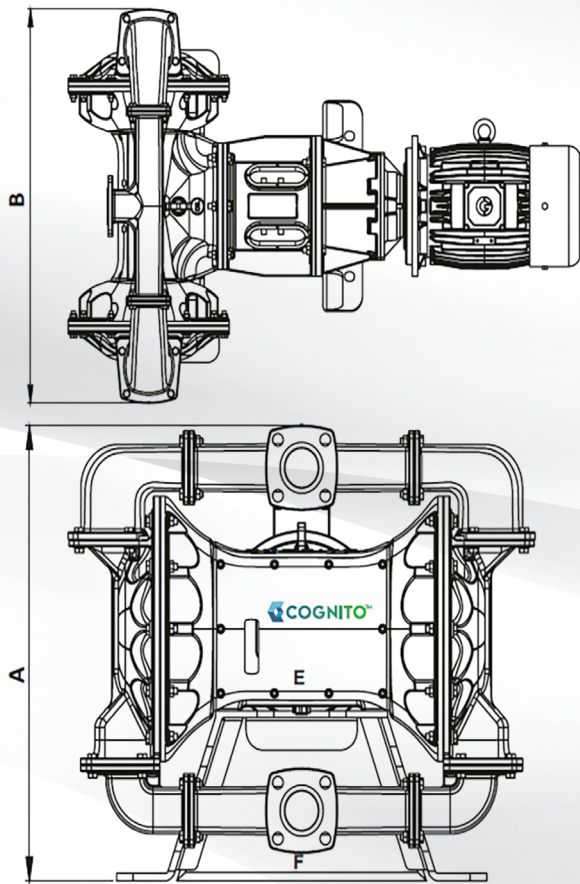
NOTES

1. Use 7.5 HP/5.5 kW motor for above 7 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. For SPM 152 and 133, contact IDEX team.

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

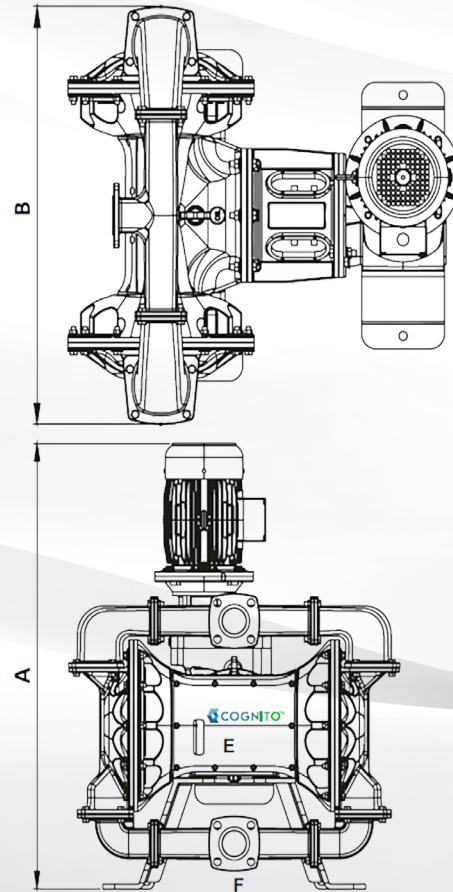
DIMENSIONS

Inline Arrangement



Dimensions & Weight - Inline

Vertical Arrangement



Dimensions & Weight - Vertical

DIMENSION & WEIGHT - INLINE*		76 MM (3")
ALUMINUM		
Height w/o Dampener: MM (IN)	A	740 (29.13)
Width: MM (IN)	B	850 (33.46)
Ref Length: MM (IN)	C	1295 (50.98)
Approx Shipping Weight: KG (LBS) Bare Pump	W	220 (485)
Approx Shipping Weight: KG (LBS) Pump, Motor, Gear Box	W	365 (804)
STAINLESS STEEL		
Height: MM (IN)	A	707 (27.83)
Width: MM (IN)	B	833 (32.76)
Ref Length: MM (IN)	C	1295 (50.98)
Approx Shipping Weight: KG (LBS) Bare Pump	W	260 (573)
Approx Shipping Weight: KG (LBS) Pump, Motor, Gear Box	W	415 (914)

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

DIMENSION & WEIGHT - VERTICAL *		76 MM (3")
ALUMINUM		
Ref Height: MM (IN)	A	1220 (48.03)
Width: MM (IN)	B	850 (33.46)
Ref Length: MM (IN)	C	925 (36.42)
Approx Shipping Weight: KG (LBS) Bare Pump	W	220 (485)
Approx Shipping Weight: KG (LBS) Pump, Motor, Gear Box	W	365 (804)
STAINLESS STEEL		
Height: MM (IN)	A	1220 (48.03)
Width: MM (IN)	B	833 (32.76)
Ref Length: MM (IN)	C	925 (36.42)
Approx Shipping Weight: KG (LBS) Bare Pump	W	260 (573)
Approx Shipping Weight: KG (LBS) Pump, Motor, Gear Box	W	412 (914)

WARREN RUPP, INC.

Warren Rupp, Inc. • A Unit of IDEX Corporation
800 N. Main St., Mansfield, Ohio 44902 USA
Telephone 419.524.8388 • Fax 419.522.7867

IDEX | Trusted Solutions.
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IDEX India PVT LTD
Survey No. 256, Near Bombardier Circle, GIDC Manjusr,
Savli, Dist. Vadodara 391770, State Gujarat, India



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