

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 - MM (IN)

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

MAXIMUM FLOW RATE LPM (GPM)

- 510 LPM (135 GPM)

SOLIDS HANDLING - MM (IN)

- Up to 7 MM (.28")

MAX OPERATING PRESSURE - BAR (PSI)

- 6 BAR (87 PSI)

MAXIMUM SUCTION LIFT - M (FT)

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

*Applicable to Santoprene and PTFE Diaphragms only

HEADS UP TO - M (FT)

- 60M (196')

DISPLACEMENT PER CYCLE - L (GAL)

- 2.88L (0.76 GAL)

MOTOR & GEAR BOX - KW (HP)

- 5.5 KW (7.5HP)

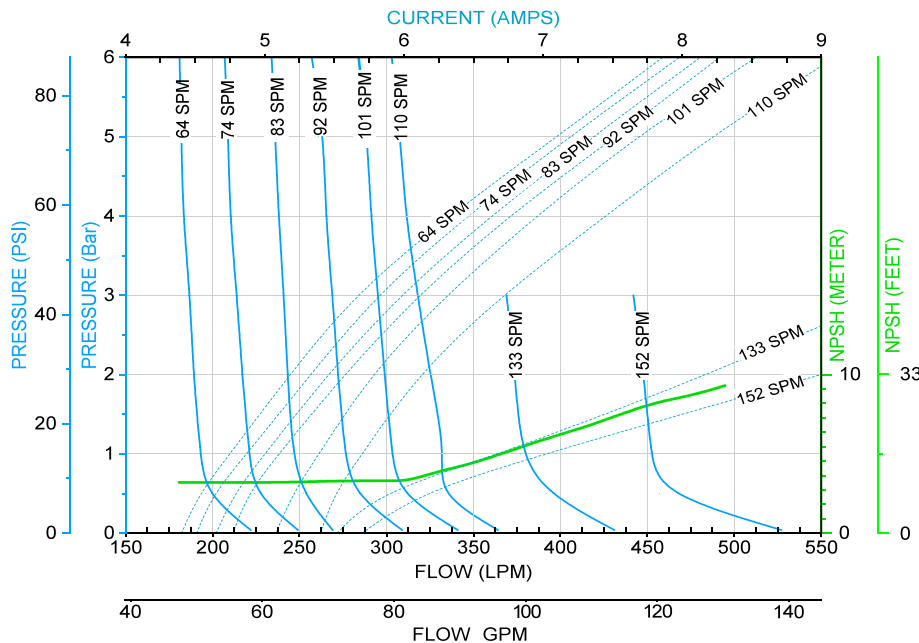
SOUND LEVEL

- <80 dB

DISCHARGE MANIFOLD

DAMPENER PORT - MM (IN)

- 51 MM (2")

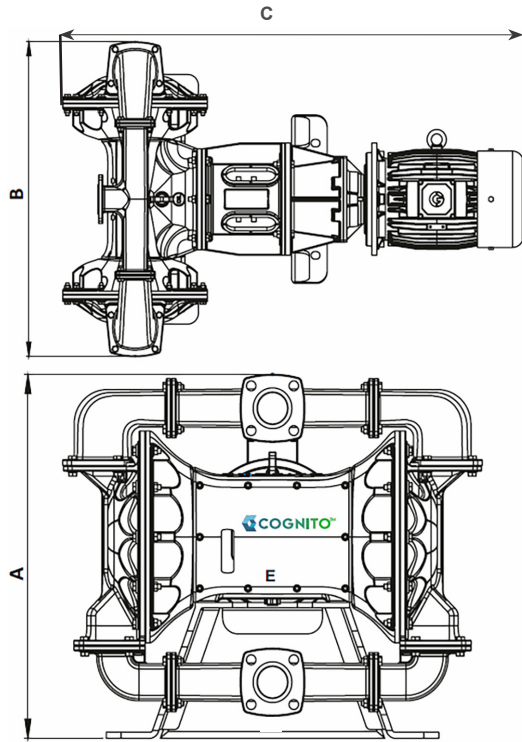


Notes:

1. Use 7.5 HP / 5.5 KW motor for above 7 AMPS
2. For SPM 152 and 133, contact IDEX Team
3. The performance curve is based on following: Santoprene elastomer fitted pump, flooded suction, water at ambient conditions 25°C (77°F), with Cognito Dampener
4. The performance result may deviate in excess of 5% based on elastomer

DIMENSIONS

INLINE ARRANGEMENT

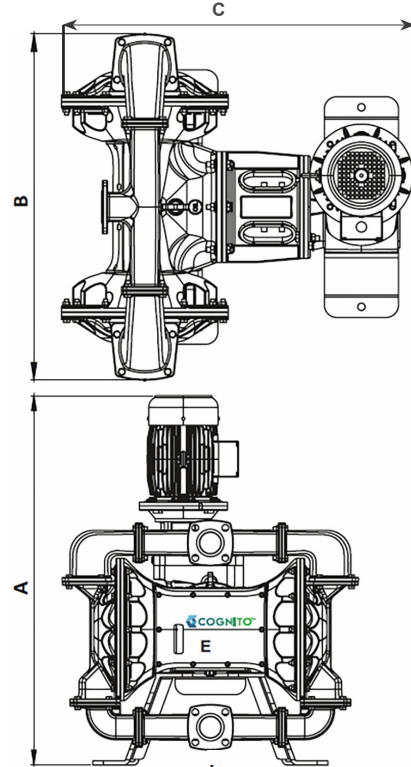


Dimensions & Weight - Inline

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

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

VERTICAL ARRANGEMENT



Dimensions & Weight - Vertical

DIMENSION & WEIGHT - VERTICAL *		76 MM (3")
ALUMINUM		
Ref Height: MM (IN)	A	1220mm (48.03")
Width: MM (IN)	B	850mm (33.46")
Ref Length: MM (IN)	C	925mm (36.42")
Approx Weight: KG (LBS) Bare Pump	W	220 KG (485 LBS)
Approx Weight: KG (LBS) Pump, Motor, Gear Box, Dampener	W	365 KG (804 LBS)
STAINLESS STEEL		
Height: MM (IN)	A	1220mm (48.03")
Width: MM (IN)	B	833mm (32.76")
Ref Length: MM (IN)	C	925mm (36.42")
Approx Weight: KG (LBS) Bare Pump	W	260 KG (573 LBS)
Approx Weight: KG (LBS) Pump, Motor, Gear Box, Dampener	W	415 KG (914 LBS)



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