



## 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 Steel - NPT (internal)

### MAXIMUM FLOW RATE LPM (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\*

\*Applicable to Santoprene and PTFE Diaphragms only  
For polypropylene, contact IDEX

### HEADS UP TO - M (FT)

- 80M (262')

### DISPLACEMENT PER CYCLE - L (GAL)

- 1.48L (0.39 gal)

### MOTOR & GEAR BOX - HP

- 5 hp (3.7KW)

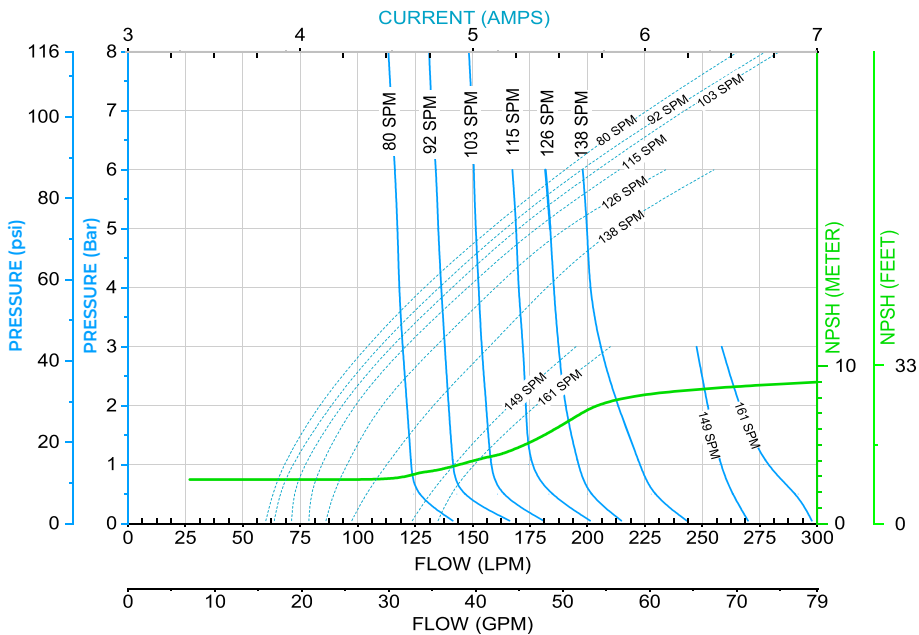
### SOUND LEVEL

- <80 dB

### DISCHARGE MANIFOLD

### DAMPENER PORT - MM (IN)

- 51 MM (2")

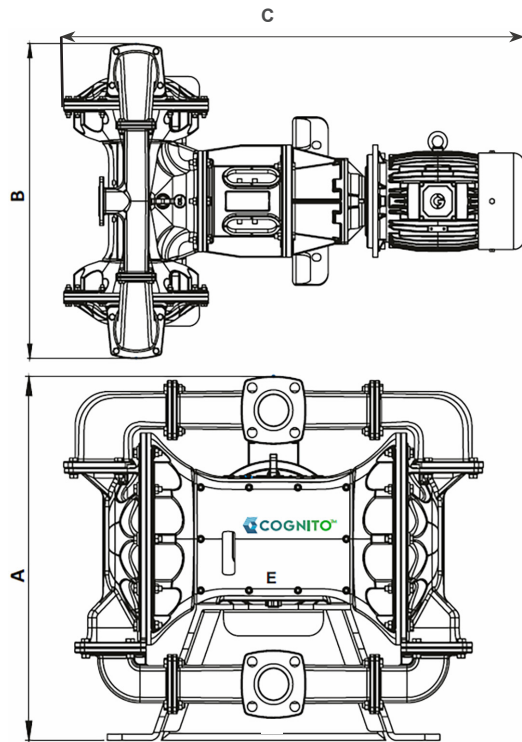


### Notes:

1. Use 5 HP / 3.7 KW motor for above 4 AMPS
2. For SPM 161 and 149, 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

## DIMENSIONS

### INLINE ARRANGEMENT

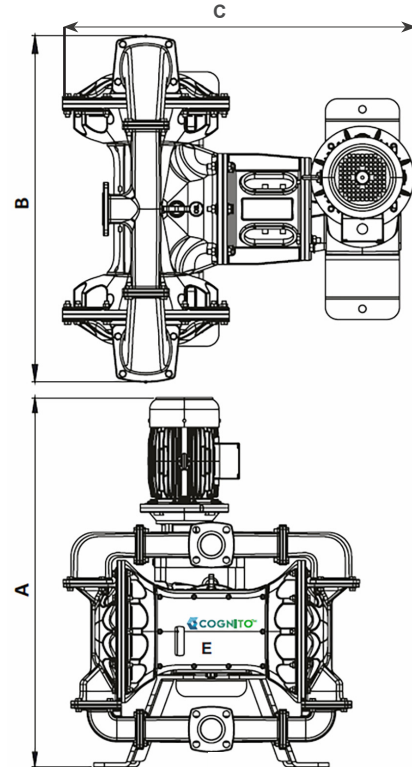


Dimensions & Weight - Inline

DIMENSION & WEIGHT - INLINE*		51 MM (2")
<b>ALUMINUM</b>		
Height w/o Dampener: MM (IN)	A	600mm (23.62")
Width: MM (IN)	B	735mm (28.93")
Length: MM (IN)	C	1060mm (41.73")
Approx. Weight: KG (LBS) Bare Pump	W	105 kg (231 lbs)
Approx. Weight: KG (LBS) Pump, Motor, Gear Box, Dampener	W	221 kg (487 lbs)
<b>STAINLESS STEEL</b>		
Height: MM (IN)	A	570mm (22.44")
Width: MM (IN)	B	735mm (28.93")
Length: MM (IN)	C	1060mm (41.73")
Approx. Weight: KG (LBS) Bare Pump	W	131 kg (288 lbs)
Approx. Weight: KG (LBS) Pump, Motor, Gear Box, Dampener	W	257 kg (566 lbs)

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

### VERTICAL ARRANGEMENT



Dimensions & Weight - Vertical

DIMENSION & WEIGHT - VERTICAL *		51 MM (2")
<b>ALUMINUM</b>		
Height: MM (IN)	A	1080mm (42.51")
Width: MM (IN)	B	735mm (28.93")
Length: MM (IN)	C	775mm (30.51")
Approx. Weight: KG (LBS) Bare Pump	W	105 kg (231 lbs)
Approx. Weight: KG (LBS) Pump, Motor, Gear Box, Dampener	W	221 kg (487 lbs)
<b>STAINLESS STEEL</b>		
Height: MM (IN)	A	1050mm (41.34")
Width: MM (IN)	B	735mm (28.93")
Length: MM (IN)	C	775mm (30.51")
Approx. Weight: KG (LBS) Bare Pump	W	131 kg (328 lbs)
Approx. Weight: KG (LBS) Pump, Motor, Gear Box, Dampener	W	257 kg (566 lbs)



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