

# 4" 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

- 101 MM (4") / Aluminum - ANSI 150# Raised Face Flanges / Stainless Steel - NPT or BSP (internal)

### MAXIMUM FLOW RATE GPM

- 800 LPM (211 GPM)

### SOLIDS HANDLING

- Up to 9 mm (.35")

### MAX OPERATING PRESSURE

- 6 BAR (87 PSI)

### MAXIMUM SUCTION LIFT - M (FT)

- 8+ (26') Wet / 5.1+ (18') Dry\*

### HEADS UP TO - M (FT)

- 60 (196)

### DISPLACEMENT PER CYCLE - L (GAL)

- 4.75 (1.25)

### MOTOR & GEAR BOX - HP

- 10hp (7.5 kW)

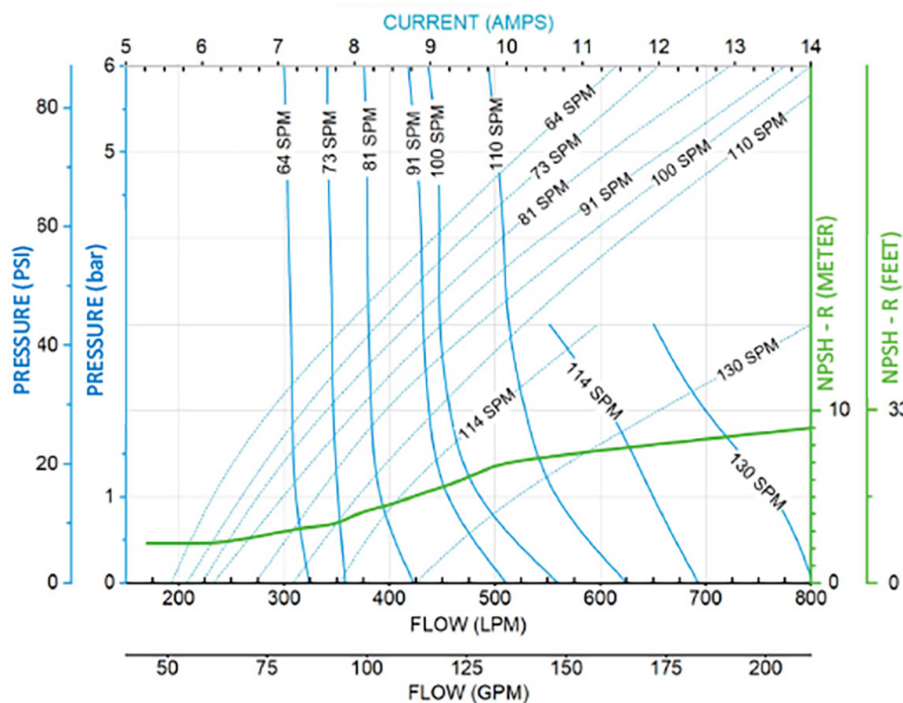
### SOUND LEVEL

- <80 db

### MATERIAL OF CONSTRUCTION

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

\*Applicable to Santoprene and PTFE Diaphragms only.



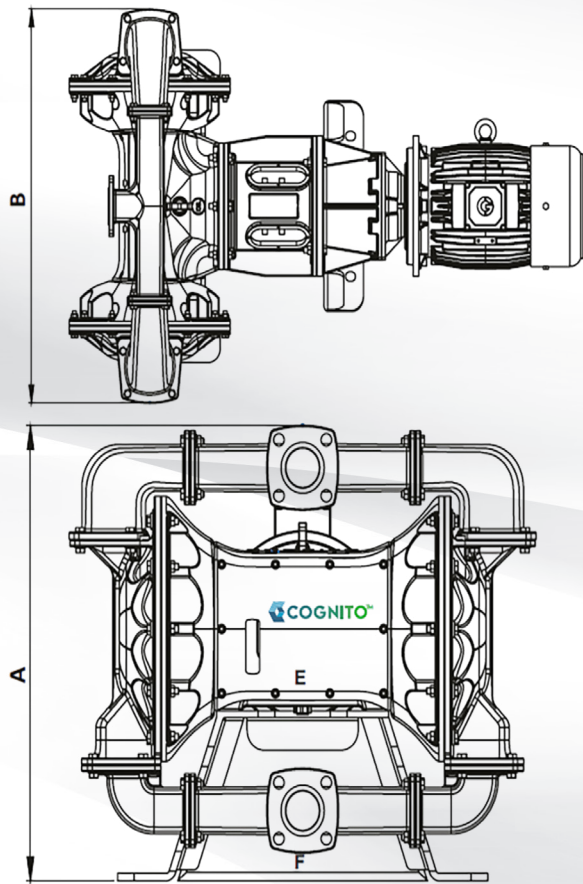
## NOTES

1. Use 10 HP/7.5 KW motor for above 10 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 130 and 114, contact IDEX team.

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

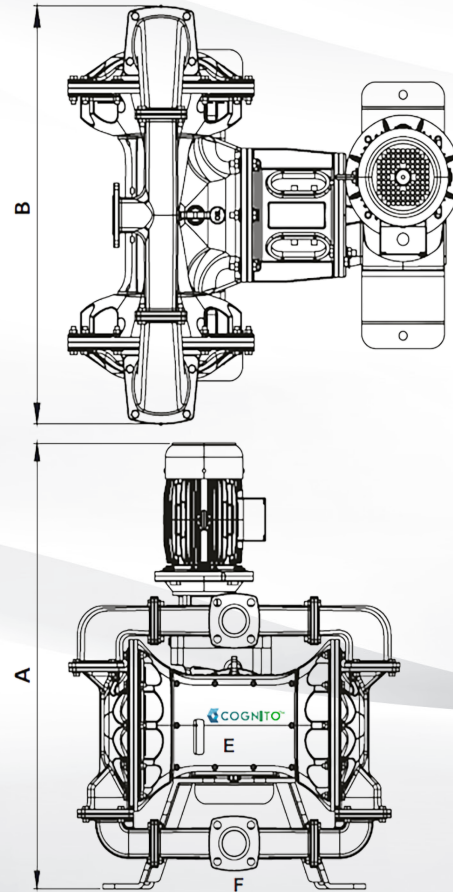
# DIMENSIONS

## Inline Arrangement



Dimensions & Weight - Inline

## Vertical Arrangement



Dimensions & Weight - Vertical

| DIMENSION & WEIGHT - INLINE*                              |   | 101 MM (4")  |
|-----------------------------------------------------------|---|--------------|
| <b>ALUMINUM</b>                                           |   |              |
| Height w/o Dampener: MM (IN)                              | A | 879 (34.61)  |
| Width: MM (IN)                                            | B | 1017 (40.04) |
| Length: MM (IN)                                           | C | 1520 (59.84) |
| Approx Shipping Weight: KG (LBS)<br>Bare Pump             | W | 409 (902)    |
| Approx Shipping Weight: KG (LBS)<br>Pump, Motor, Gear Box | W | 605 (1334)   |
| <b>STAINLESS STEEL</b>                                    |   |              |
| Height: MM (IN)                                           | A | 837 (32.95)  |
| Width: MM (IN)                                            | B | 1017 (40.04) |
| Length: MM (IN)                                           | C | 1520 (59.84) |
| Approx Shipping Weight: KG (LBS)<br>Bare Pump             | W | 469 (1034)   |
| Approx Shipping Weight: KG (LBS)<br>Pump, Motor, Gear Box | W | 675 (1488)   |

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

| DIMENSION & WEIGHT - VERTICAL*                            |   | 101 MM (4")  |
|-----------------------------------------------------------|---|--------------|
| <b>ALUMINUM</b>                                           |   |              |
| Height: MM (IN)                                           | A | 1390 (54.72) |
| Width: MM (IN)                                            | B | 1017 (40.03) |
| Length: MM (IN)                                           | C | 1110 (43.31) |
| Approx Shipping Weight: KG (LBS)<br>Bare Pump             | W | 409 (901.6)  |
| Approx Shipping Weight: KG (LBS)<br>Pump, Motor, Gear Box | W | 605 (1334)   |
| <b>STAINLESS STEEL</b>                                    |   |              |
| Height: MM (IN)                                           | A | 1390 (54.72) |
| Width: MM (IN)                                            | B | 1017 (40.03) |
| Length: MM (IN)                                           | C | 1110 (43.31) |
| Approx Shipping Weight: KG (LBS)<br>Bare Pump             | W | 469 (1034)   |
| Approx Shipping Weight: KG (LBS)<br>Pump, Motor, Gear Box | W | 675 (1488)   |