



# 1" 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

- 25 MM (1") / Aluminum/Stainless Steel - NPT or BSP (internal)

### MAXIMUM FLOW RATE GPM

- 110 LPM (29 GPM)

### SOLIDS HANDLING

- Up to 3 MM (.11")

### MAX OPERATING PRESSURE

- 6 BAR (87 PSI)

### MAXIMUM SUCTION LIFT - M (FT)

- 8.3M (26') Wet / 4.5M (14') Dry

### HEADS UP TO - M (FT)

- 80M (262')

### DISPLACEMENT PER CYCLE - L (GAL)

- 0.6L (.16 GAL)

### MOTOR & GEAR BOX - HP

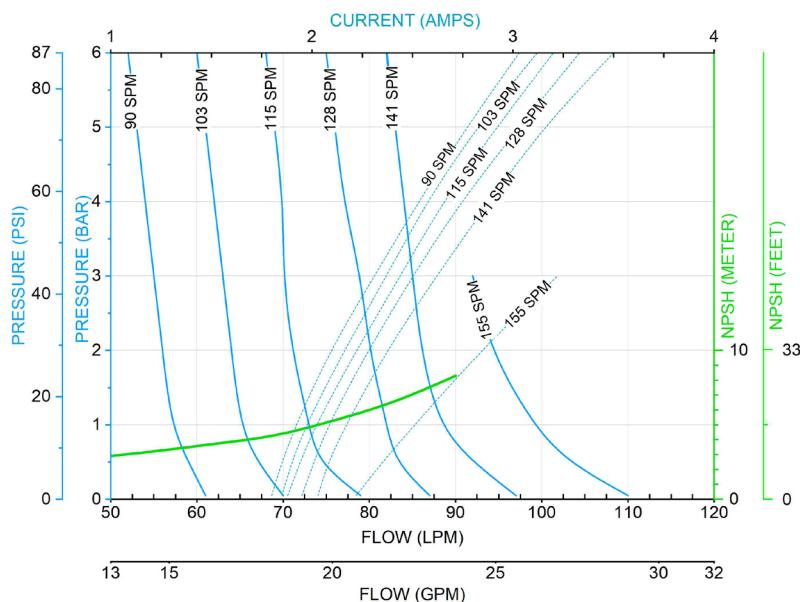
- 2hp (1.5 KW)

### SOUND LEVEL

- <80 dB

### MATERIAL OF CONSTRUCTION

- Pump Wetted Parts  
Aluminum, Stainless Steel
- Diaphragm and check ball valve  
Nitril, Santoprene, PTFE + Santoprene

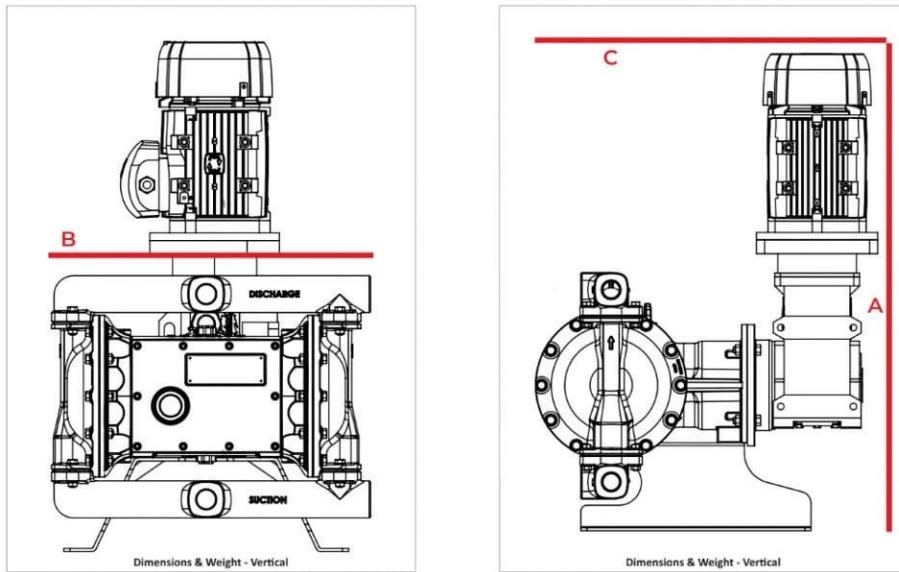


### Notes:

- Use 2 HP/1.5 KW motor for above 2.5 AMPS
- The Performance curve is based on following: Santoprene elastomer fitted pump, flooded suction, water at ambient condition 25°C (77°F), with Cognito Dampener
- The performance result may deviate in excess of 5% based on elastomer
- Performance vary based

# DIMENSIONS

## VERTICAL ARRANGEMENT



DIMENSION & WEIGHT - VERTICAL*		25 MM (1")
ALUMINUM		
Height: MM (IN)	A	850mm (33.46")
Width: MM (IN)	B	493mm (19.41")
Length: MM (IN)	C	720mm (28.34")
Approx Weight: KG (LBS) Pump, Motor, Gear Box	W	127kg (280 lbs)
STAINLESS STEEL		
Height: MM (IN)	A	850mm (33.46")
Width: MM (IN)	B	493mm (19.41")
Length: MM (IN)	C	720mm (28.34")
Approx Weight: KG (LBS) Pump, Motor, Gear Box	W	140kg (308 lbs)

