



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 - MM (IN)

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

MAXIMUM FLOW RATE - LPM (GPM)

- 800 LPM (211 GPM)

SOLIDS HANDLING - MM (IN)

- Up to 9MM (.35")

MAX OPERATING PRESSURE - BAR (PSI)

- 6 BAR (87 PSI)

MAXIMUM SUCTION LIFT - M (FT)

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

*Applicable to Santoprene and PTFE Diaphragms only

HEADS UP TO - M (FT)

- 60M (196')

DISPLACEMENT PER CYCLE - L (GAL)

- 4.72 L (1.24 GAL)

MOTOR & GEAR BOX - (KW) HP

- 7.4 KW (10hp)

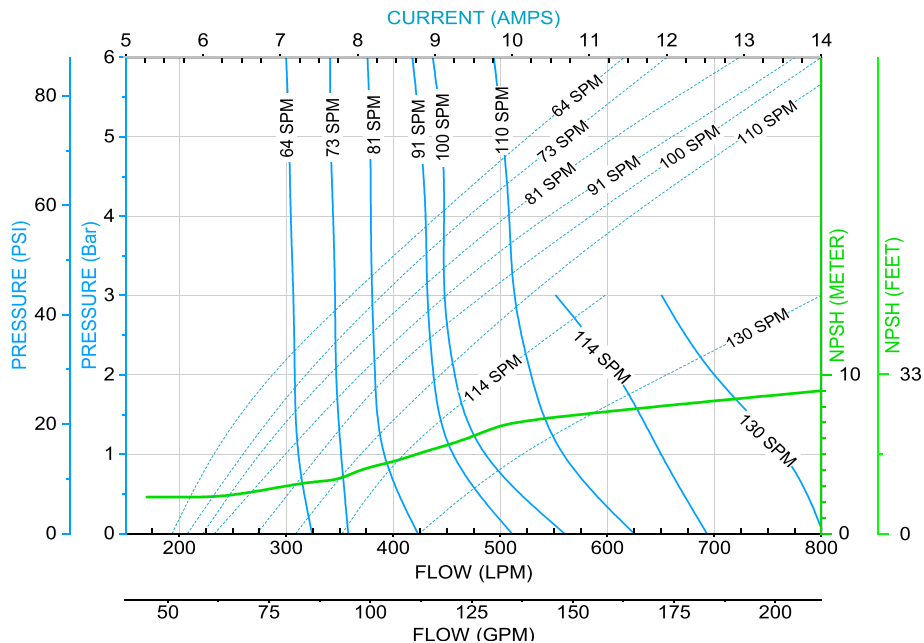
SOUND LEVEL

- <80 db

DISCHARGE MANIFOLD

DAMPENER PORT - MM (IN)

- 76 mm (3")

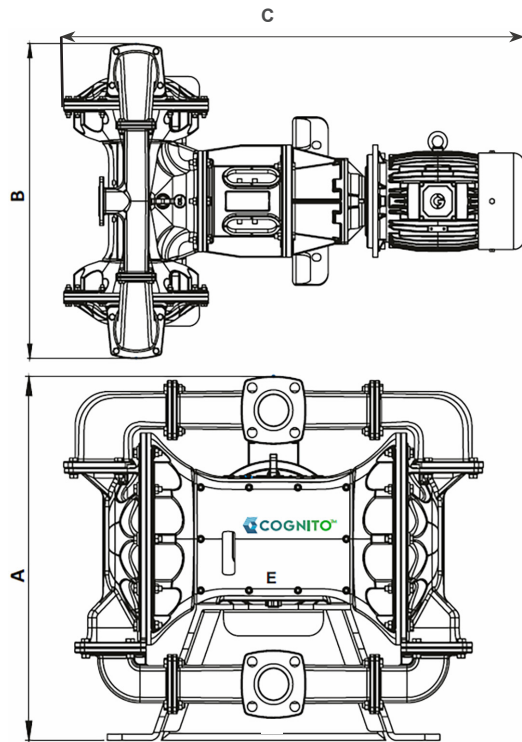


Notes:

1. Use 10 HP / 7.5 KW motor for above 10 AMPS
2. For SPM 130 and 114, 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 Damper
4. The performance result may deviate in excess of 5% based

DIMENSIONS

INLINE ARRANGEMENT

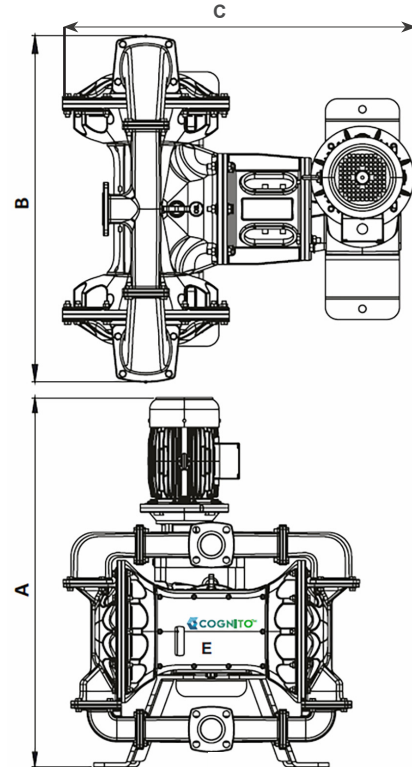


Dimensions & Weight - Inline

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

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

VERTICAL ARRANGEMENT



Dimensions & Weight - Vertical

DIMENSION & WEIGHT - VERTICAL *		101 MM (4")
ALUMINUM		
Height: MM (IN)	A	1390mm (54.72")
Width: MM (IN)	B	1017mm (40.03")
Length: MM (IN)	C	1100mm (43.31")
Approx Weight: KG (LBS) Bare Pump	W	409 KG (902 LBS)
Approx Weight: KG (LBS) Pump, Motor, Gear Box, Dampener	W	605 KG (1334 LBS)
STAINLESS STEEL		
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IDEX INDIA PVT LTD
Survey No. 256, Near Bombardier Circle,
GIDC Manjusar, Savli, Dist. Vadodara
391770, State Gujarat, India



Warren Rupp, Inc.
800 North Main Street
Mansfield, Ohio 44902 USA



www.cognitopump.com/contact