

1 1/2" 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

- 38 MM (1.5") - ANSI 150# Flanges

MAXIMUM FLOW RATE GPM

- 140 LPM (37 GPM)

SOLIDS HANDLING

- Up to 5 mm (.19")

MAX OPERATING PRESSURE

- 5.5 BAR (79 PSI)

MAXIMUM SUCTION LIFT - M (FT)

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

HEADS UP TO - M (FT)

- 55m (180ft)

DISPLACEMENT PER CYCLE - L (GAL)

- 1.48L (0.39 gal)

MOTOR & GEAR BOX - HP

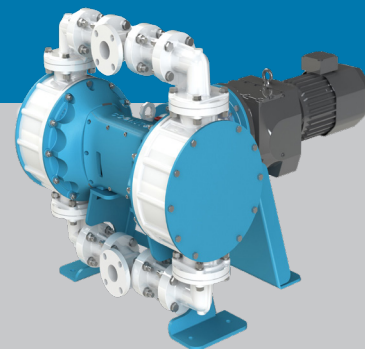
- 5hp (3.7 kW)

SOUND LEVEL

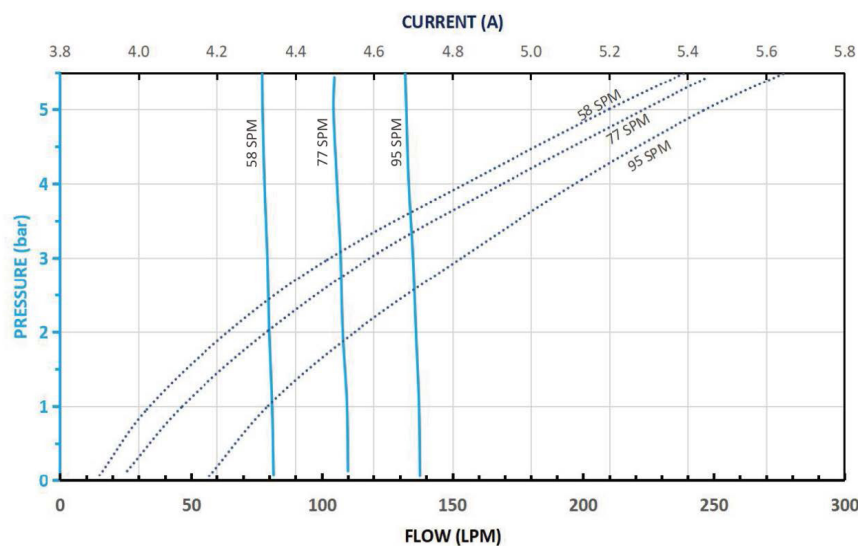
- <80 db

MATERIAL OF CONSTRUCTION

- 1) Pump Wetted Parts - Polypropylene
- 2) Diaphragm and Check Ball Valve - Santoprene, PTFE



*Applicable to Santoprene and PTFE Diaphragms only.



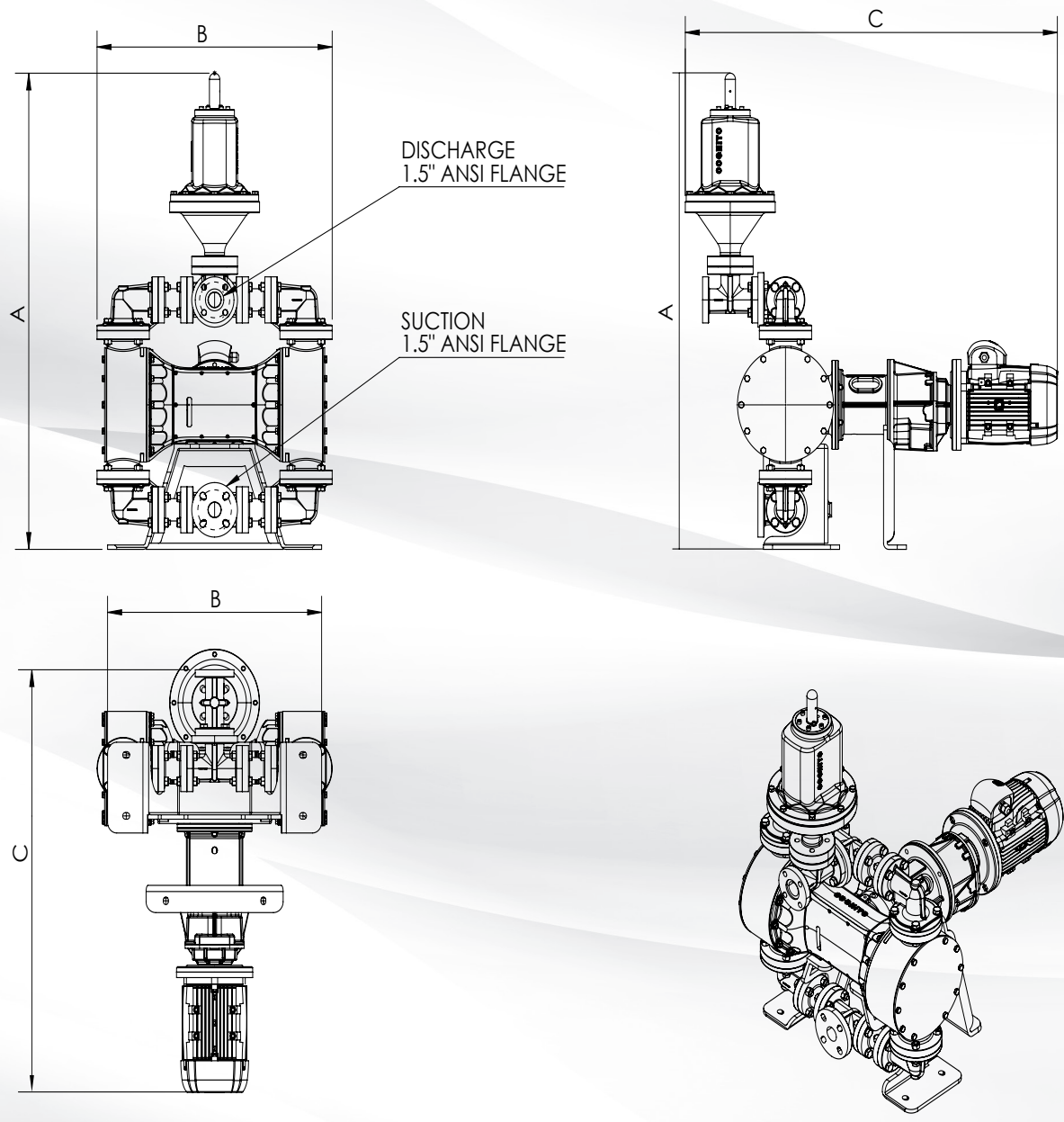
NOTES

1. Use 5 HP/3.7 KW motor for above 4 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 93, contact IDEX Team.

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

DIMENSIONS

Inline Arrangement



DIMENSION & WEIGHT - INLINE*		38 MM (1 1/2")
POLYPROPYLENE		
Height w/o Dampener: MM (IN)	A	1312mm (51.65")
Width: MM (IN)	B	771mm (30.35")
Length: MM (IN)	C	1221mm (48.07")
Approx Shipping Weight: KG (LBS) Bare Pump	W	143kg (315 lbs)
Approx Shipping Weight: KG (LBS) Pump, Motor, Gear Box	W	239kg (526 lbs)
*FINAL PUMP ASSEMBLY WEIGHTS AND DIMENSIONS DEPENDENT ON GEAR BOX AND MOTOR MANUFACTURER		

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