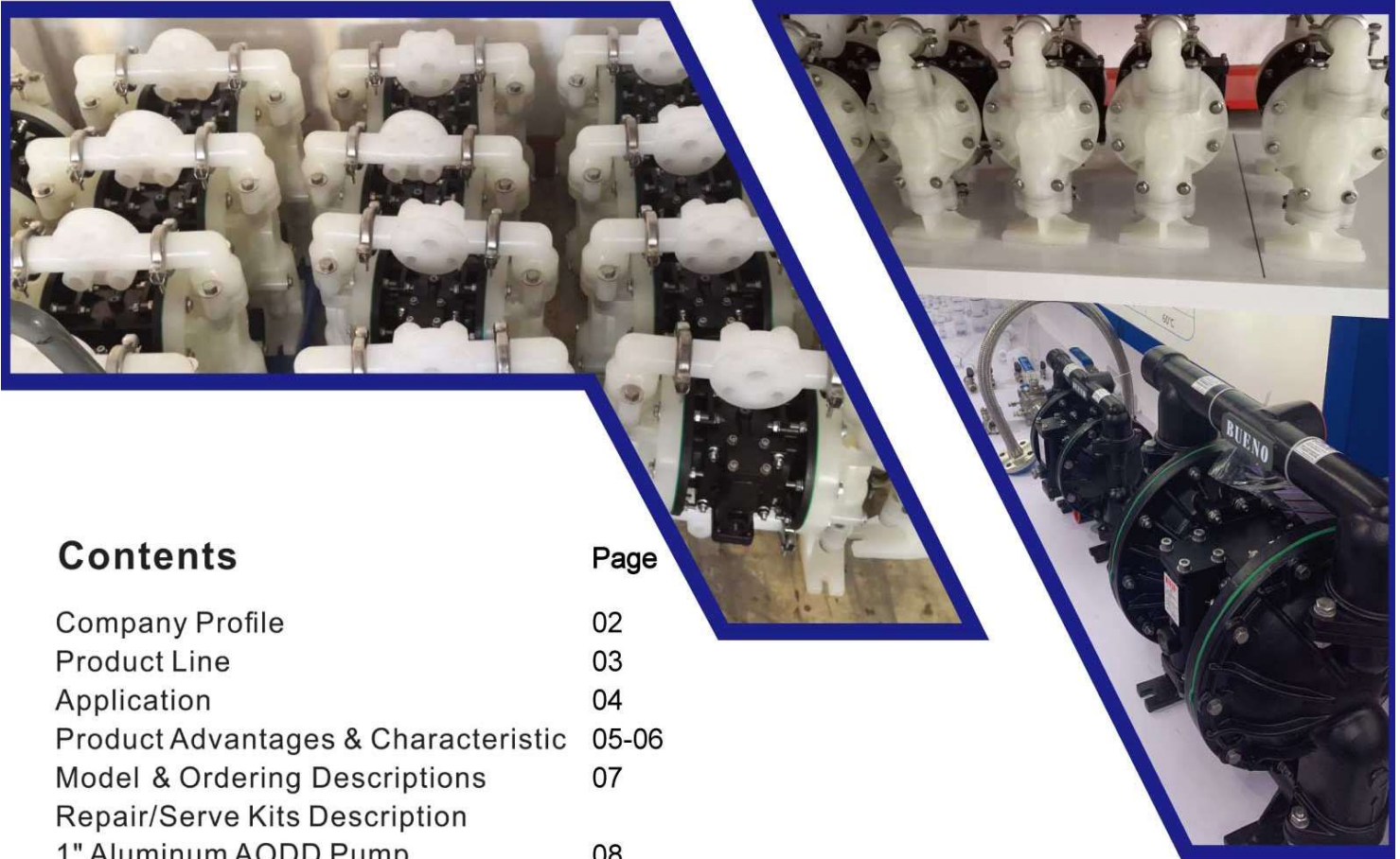




Air Operated Double Diaphragm **DIAPHRAGM PUMP** (DP11 SERIES)



BUENO TECHNOLOGY CO., LTD



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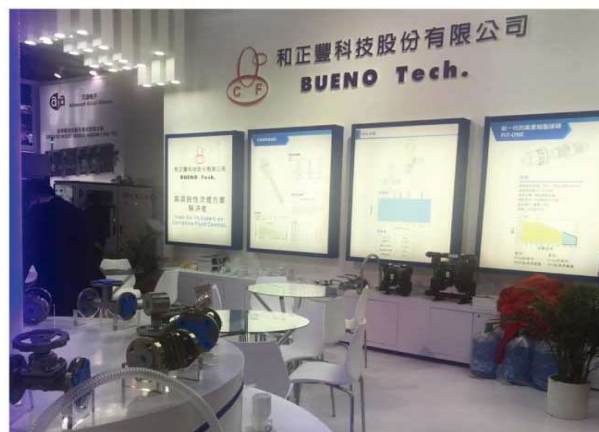
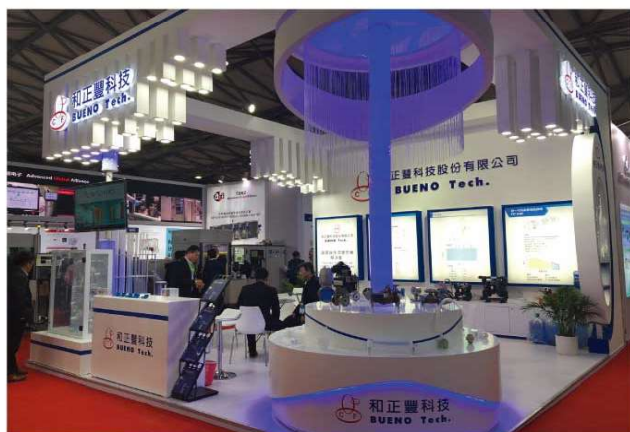
Company Profile:



Bueno Technology is a versatile manufacturer established in 1969, specializing in providing sophisticated flow control products. We manufacture high-purity, water and oil-free valves, fittings, and components in Class 1000 clean rooms for pharmaceutical, semiconductor, optoelectronic, electrochemical and petrochemical industries, where safety and stability of the manufacturing process are a major concern. Our corporate philosophy is to offer the market innovative PFA lined valves and fittings, PFA tubings, pipes and fittings, conventional valves and parts, PTFE components, lost wax castings, plastic products, graphite, spiral wound gasket, air operated diaphragm pump and to place the highest priority on safety, long service life low operation and maintenance cost.

Every single product of Bueno is made from the highest quality materials using advanced technology, while every stage of the manufacturing process is conducted and monitored by highly competent employees. Combined with thorough testing and complete customer support, the company supplies its customers with products of maximum efficiency and minimum long-term costs at a competitive price.

Bueno is firmly determined to constantly improve itself in order to conform to the top international standards, and maintain its leadership in the local market. Our never-ending commitment has won us a significant position in the industry, and the support of our business partners from all over the globe. We are resolved to conduct our business with progress, great competence, innovation, and unyielding integrity.



SEMICON CHINA, SHANGHAI 2019

Product Range:

Plastic Pump

DP11-25BPXXXXXX



DP11-40BPXXXXXX



DP11-50BPXXXXXX



Aluminum Alloy Pump

DP11-25BAXXXAXX



DP11-40BAXXXAXX



DP11-50BAXXXAXX



DP11-80BAXXXAXX

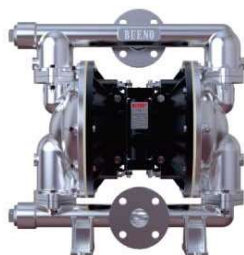


Stainless Steel Pump

DP11-25BSXXXXXX



DP11-40BSXXXXXX



DP11-50BSXXXXXX



DP11-80BSXXXXXX



Cast Iron Pump

DP11-25BIXXXXXX



DP11-40BIXXXXXX



DP11-50BIXXXXXX



DP11-80BIXXXXXX



Application:

Machinery

- Oil
- Cutting fluid
- Quenching Oil
- Electroplate liquid
- Liquid waste

Electron

- Acid
- Alkali
- Waste water

Coal Mine

- Waste water
- Water seepage
- Slush

Food & medicine

- Liquid material
- Additive
- Condiment

Chemical

- Acid
- Caustic
- Solvent
- Paint
- Shear sensitive material

Automobile

- Oil
- Solvent
- Paint
- Aquaseal
- Waste water



Our Product Advantages And Characteristics:

Why select Air Operated Double Diaphragm Pumps?

Why choose us?

- Sealless Design
- Low Material Shear
- Ease of Maintenance
- Can Run Dry without Damage
- Portable
- Self Priming
- Easy-to-install



Besides, what advantages do our pumps have?

NEW DESIGN

- **Non-Stall Design:** This avoids stalling issues associated with other pumps.
- **Big flow rate:** Our DP11 Series AODD pumps apply bigger ball & wider fluid passage than other similar products.
- **Self-lubricating, and maintenance-free air systems.**
- **More flow and less pulsation:** Pilot air-distribution valve provides an ultra-positive, reliable shift signal that avoids stall-out, and provides faster pump trip-over with more flow and less pulsation.
- **The use of dual ceramic dynamic seals:** More wear-resisting and to prevent & discharge pollution; Applicable to the harsh environment of air source; Long lifetime.
- **Anti-icing design:** With built-in energy-dissipation chamber, it is anti-icing and effectively reduces the discharge air pressure and noise from work; Cold exhaust air is diverted from ice-prone components.
- **High lift, Stable Operating:** Greatly optimized air system ensures the most efficiency, with no air-leakage.



Pressure analysis is applied for each major component design!

NEW DESIGN

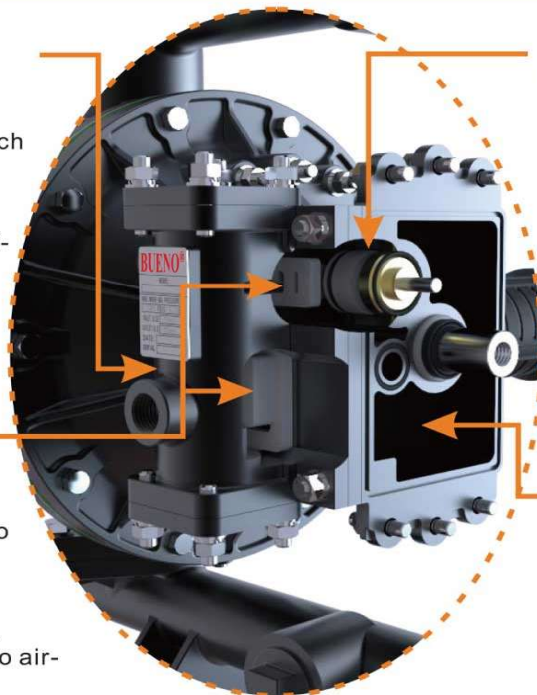
Main Air Distribution Valve

- Patented “unstallable” air balanced valve design which avoids stalling issues associated with other pumps.
- Maintenance-free and Self-lubricating.
- Low start-up pressure(1.4bar)

NEW DESIGN

The Use Of Dual Ceramic Dynamic Seals:

- More wear-resisting and to prevent and discharge pollution.
- Applicable to the harsh environment of air source.
- The most efficiency, with no air-leakage.



Pilot Air Distribution Valve **NEW DESIGN**

- Provides an ultra-positive, reliable shift signal.
- Provides faster pump trip-over with more flow.
- Faster trip-over with less pulsation.

Built-in Energy Dissipation Chamber

- It effectively reduces the discharge pressure and noise from work.
- It is anti-icing.

Bigger Ball Is Applied Than Similar Pumps

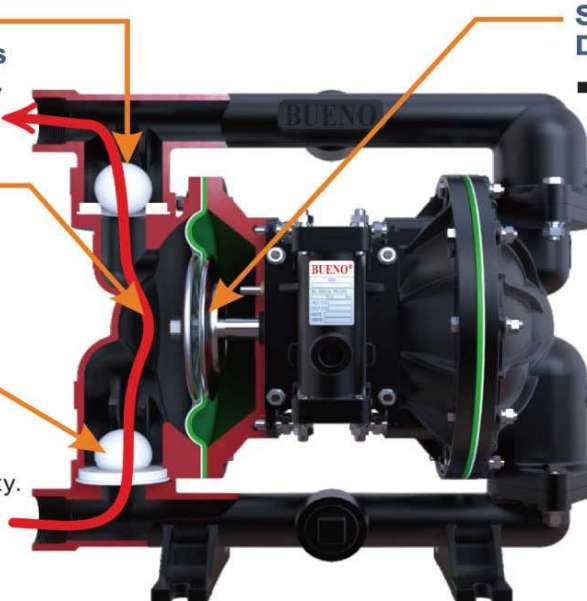
- Increase fluid passing ability

Wider Fluid Passage

- Help reduce fluid pressure drop & increase pump flow rate.

Bigger Ball Is Applied Than Similar Pumps

- Increase fluid passing ability.

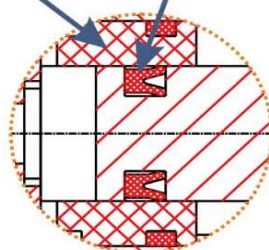


Stainless Steel Diaphragm Plate

- High duty, more corrosion resistance and ensure no leakage.

POM Bush

- Very low friction coefficient.
- Self-lubricating.



Y Type Seal Ring

- Self-sealing, better seal effect.
- Automatic compensation for abrasion.
- Long lifetime.

Model & Ordering Descriptions :

Model	DP11	-	XX	B	I	X	X	X	X	X	X
	Product Series		Pump Size	Check Valve Type	Wetted Parts	Diaphragm Material	Check Valve Ball	Check Valve Seat	Center Section	Fluid Connections	Hardware

Pump Size	15-1/2"	25-1"	40- 1.5"	50- 2"	80- 3"
Check Valve Type	B-Ball				
Wetted Parts	A-Aluminum	I-Ductile Iron	S-Stainless Steel	H-Alloy C	P-PP
Diaphragm Material	1-Neoprene	2-Nitrile	3-Viton	4-PTFE/Santoprene	
	5-EPDM	6-Composite PTFE	7-Santoprene	8-Hytrel	
Check Valve Ball	1-Neoprene	2-Nitrile	3-Viton	4-PTFE	
	5-EPDM	6-Acetal	7-Polyurethane	8-Stainless Steel	
	9-Hytrel	B-Santoprene	A-Alumimum		
Check Valve Seat	1-Aluminum	2-316 Stainless Steel	3-Polypropylene	4-Kynar PVDF	
	5-Carbon Steel	6-Nylon	7-Hard 440 Stainless Steel		
Center Section	A-Aluminum	I-Ductile Iron	S-Stainless Steel	H-Alloy C	P-PP
Fluid Connections	N-NPT Threads	B-BSPT Threads	F-ANSI 150 Flange	G-PN16/PN10	
Hardware	C-Carbon Steel	Galvanized	S-Stainless Steel		

Repair/Service Kits Description:

Pump Model: DP11-XXBX XX XXXX

Fluid Section Service Kit: SERVE2 XXF - XX

Pump Size _____
 Diaphragm Material _____
 Ball Material _____

Example:

If pump model:DP11-25BS7 4 3ABS,
 so fluid section service kit is: SERVE225F-7 4

Pump Model: DP11-XXBX XX XXXX

Air Section Service Kit: SERVE2 XXA

Pump Size _____

Example:

If pump model:DP11-25BS743ABS,
 so air section service kit is: SERVE225A

1" ALUMINUM AIR OPERATED DOUBLE DIAPHRAGM PUMP

MODEL: DP11-25BAXXXAXX

SPECIFICATIONS:

Air Inlet(female): 3/8"BSPT(3/8"NPT Available On Request)

Fluid Outlet(female): 1"BSPT Or 1"NPT

Fluid Inlet(female): 1"BSPT Or 1"NPT

Maximum Flow Rate: 50GPM(189LPM)

Max. Operating Pressure: 120psi(8.3bar)

Fluid Pressure Range: 20-120psi(1.4-8.3bar)

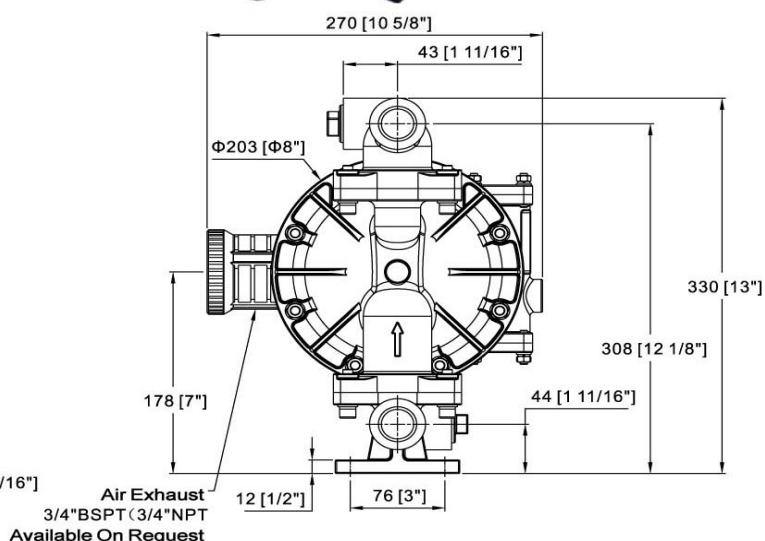
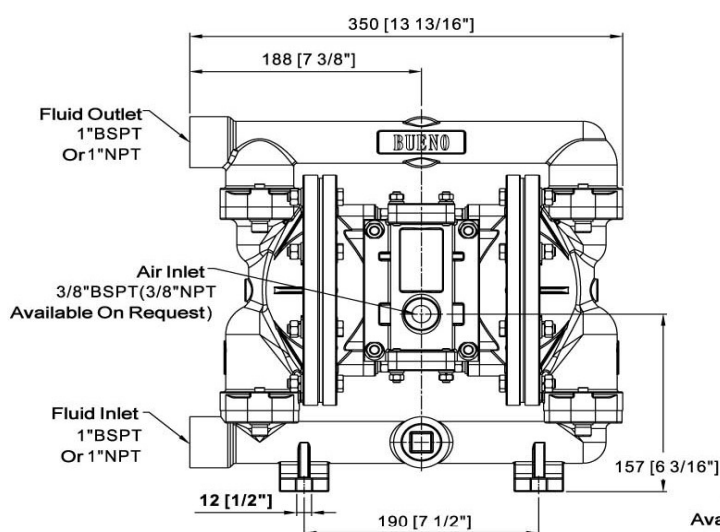
Suspended Solids Max. Dia.: 1/8"(3.3mm)

Maximum Dry Suction Lift: 20feet(6.1m)

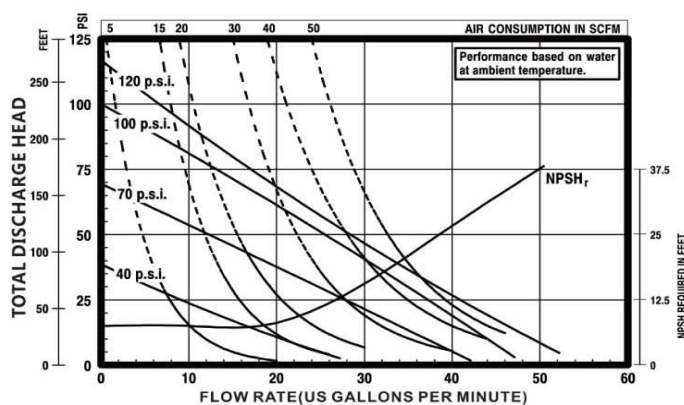
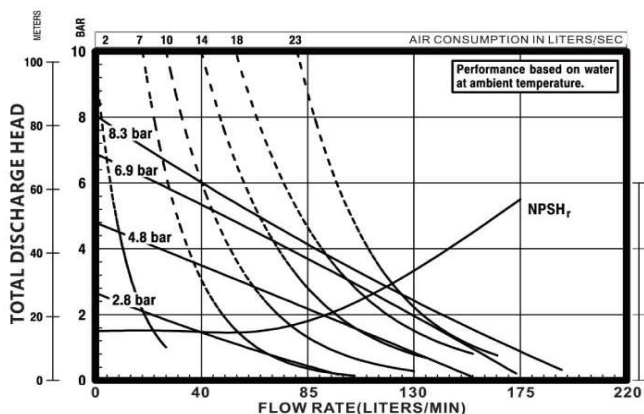
Weight:27 lbs(12kg)

Sound Level:70psi 60 cycles/min. 80.6db(A)

DIMENSIONS:



PERFORMANCE CURVE:



1" PLASTIC AIR OPERATED DOUBLE DIAPHRAGM PUMP

MODEL: DP11-25BPXXXXXX

SPECIFICATIONS:

Air Inlet(female): 3/8"BSPT(3/8"NPT Available On Request)

Fluid Outlet(female): 1" ANSI/DIN Flange

Fluid Inlet(female): 1" ANSI/DIN Flange

Maximum Flow Rate: 50GPM(189LPM)

Max. Operating Pressure: 120psi(8.3bar)

Fluid Pressure Range: 20-120psi(1.4-8.3bar)

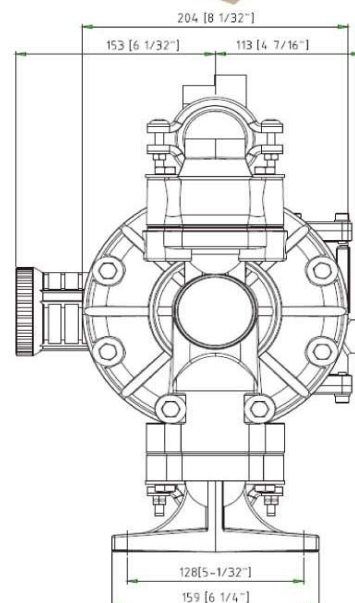
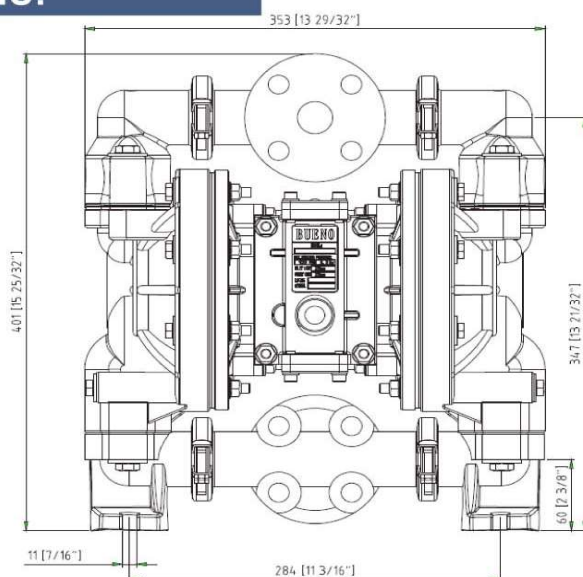
Suspended Solids Max. Dia.: 1/8"(3.2mm)

Maximum Dry Suction Lift: 15 feet(4.6m)

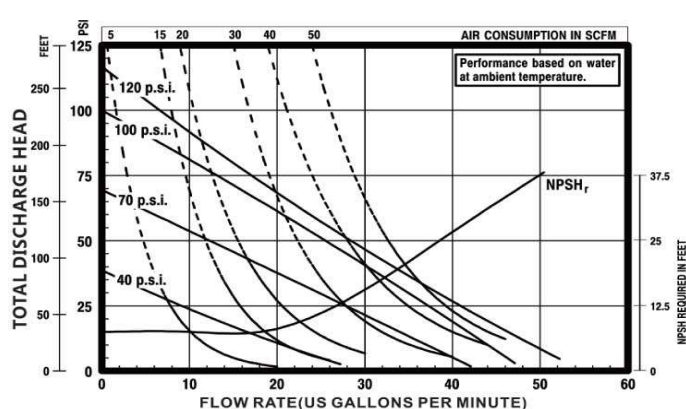
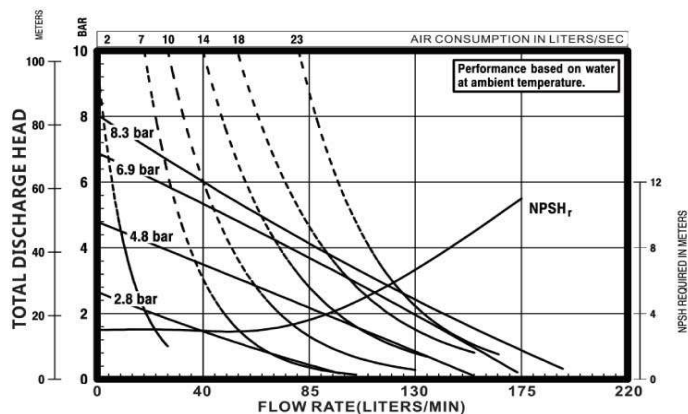
Weight:23.5 lbs(10.65kg)

Sound Level:70psi 60 cycles/min. 80.6db(A)

DIMENSIONS:



PERFORMANCE CURVE:



1" STAINLESS STEEL AIR OPERATED DOUBLE DIAPHRAGM PUMP

MODEL: DP11-25BSXXXXXX

SPECIFICATIONS:

Air Inlet(female): 3/8"BSPT(3/8"NPT Available On Request)

Fluid Outlet(female): 1"BSPT Or 1"NPT

Fluid Inlet(female): 1"BSPT Or 1"NPT

Maximum Flow Rate: 50GPM(189LPM)

Max. Operating Pressure: 120psi(8.3bar)

Fluid Pressure Range: 20-120psi(1.4-8.3bar)

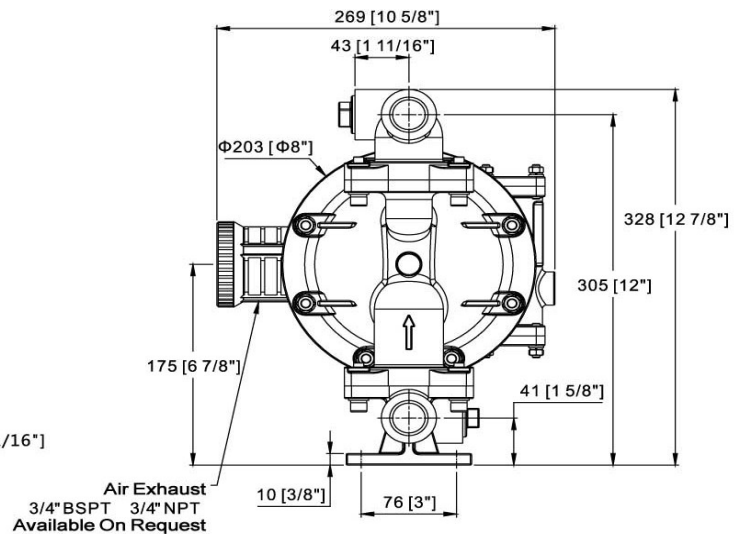
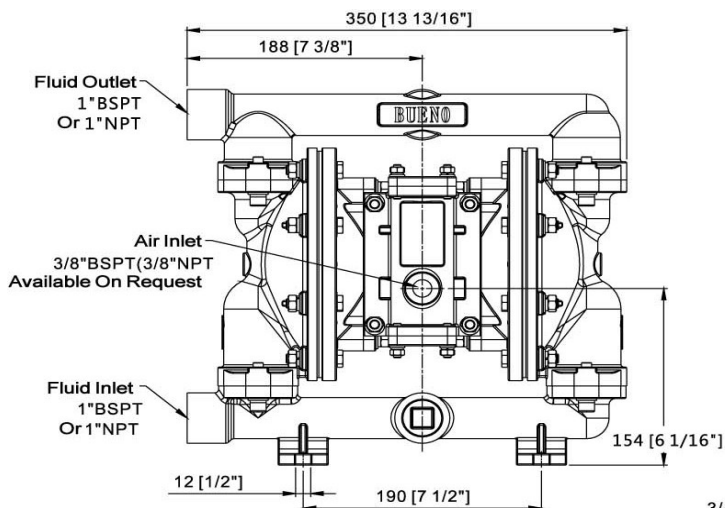
Suspended Solids Max. Dia.: 1/8"(3.3mm)

Maximum Dry Suction Lift: 20feet(6.1m)

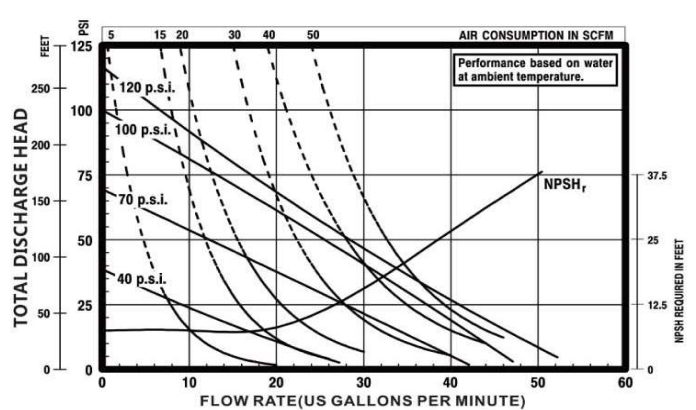
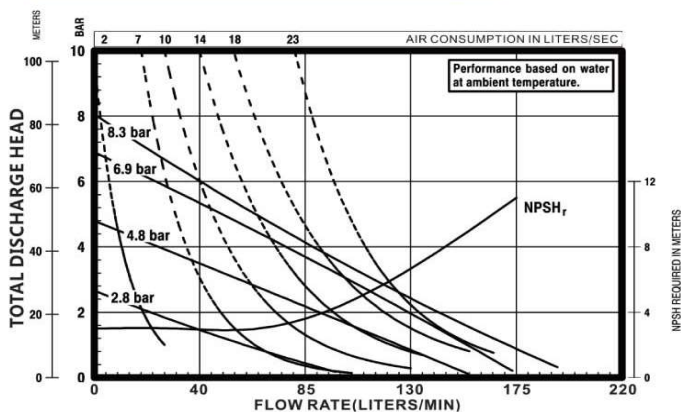
Weight:44 lbs(20kg)

Sound Level:70psi 60 cycles/min. 80.6db(A)

DIMENSIONS:



PERFORMANCE CURVE:



1" CAST IRON AIR OPERATED DOUBLE DIAPHRAGM PUMP

MODEL: DP11-25BIXXXXXX

SPECIFICATIONS:

Air Inlet(female): 3/8"BSPT(3/8"NPT Available On Request)

Fluid Outlet(female): 1"BSPT Or 1"NPT

Fluid Inlet(female): 1"BSPT Or 1"NPT

Maximum Flow Rate: 50GPM(189LPM)

Max. Operating Pressure: 120psi(8.3bar)

Fluid Pressure Range: 20-120psi(1.4-8.3bar)

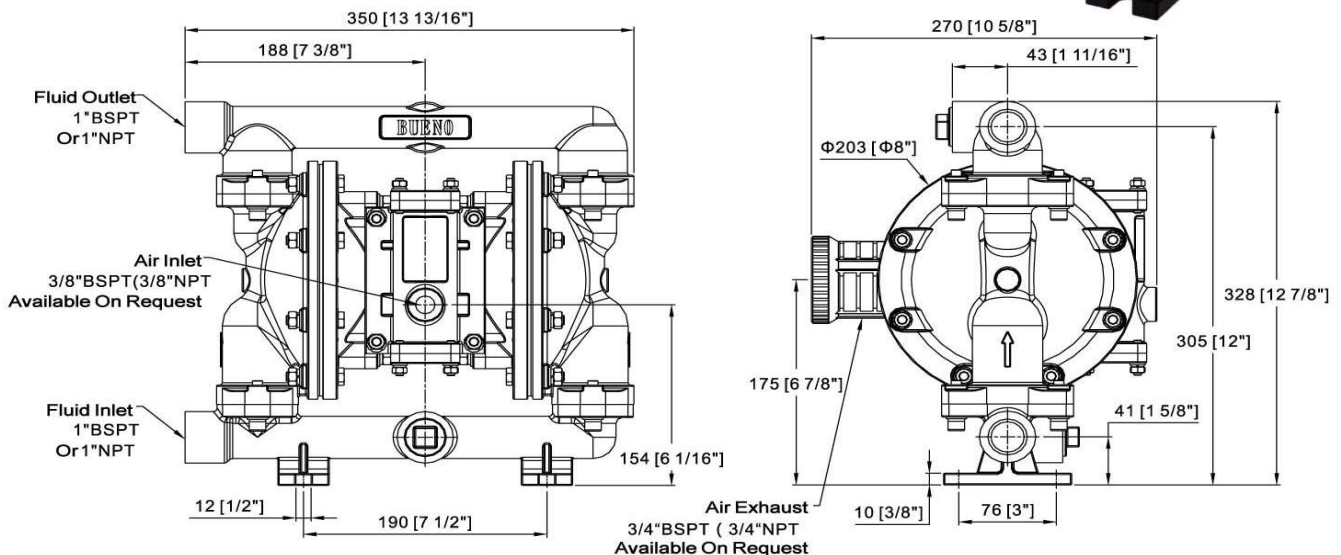
Suspended Solids Max. Dia.: 1/8"(3.3mm)

Maximum Dry Suction Lift: 20feet(6.1m)

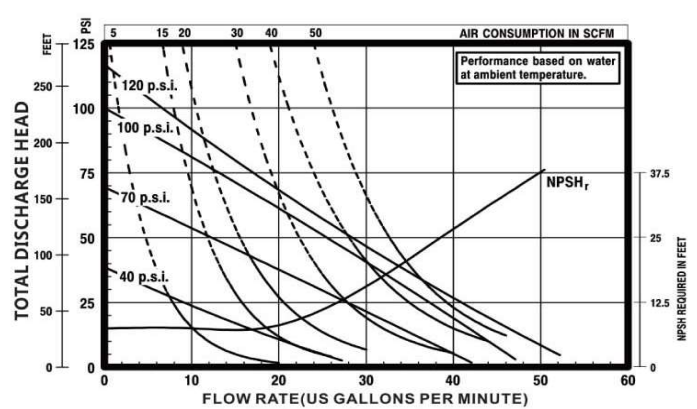
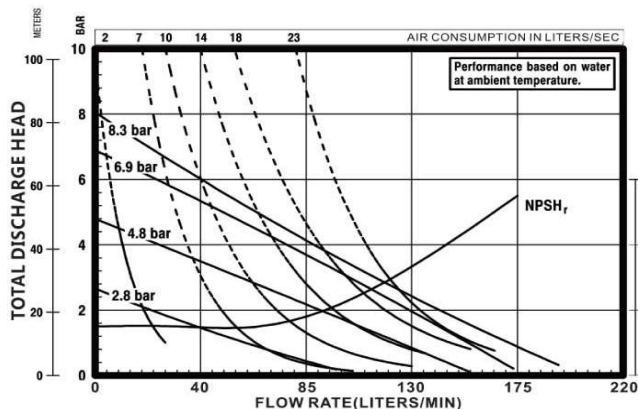
Weight:42 lbs(19kg)

Sound Level:70psi 60 cycles/min. 80.6db(A)

DIMENSIONS:



PERFORMANCE CURVE:



1-1/2" ALUMINUM AIR OPERATED DOUBLE DIAPHRAGM PUMP

MODEL: DP11-40BAXXXAXX

SPECIFICATIONS:

Air Inlet(female): 1/2"BSPT(1/2"NPT Available On Request)

Fluid Outlet(female): 1-1/2"BSPT Or 1-1/2"NPT

Fluid Inlet(female): 1-1/2"BSPT Or 1-1/2"NPT

Maximum Flow Rate: 124GPM(469LPM)

Max. Operating Pressure: 120psi(8.3bar)

Fluid Pressure Range: 20-120psi(1.4-8.3bar)

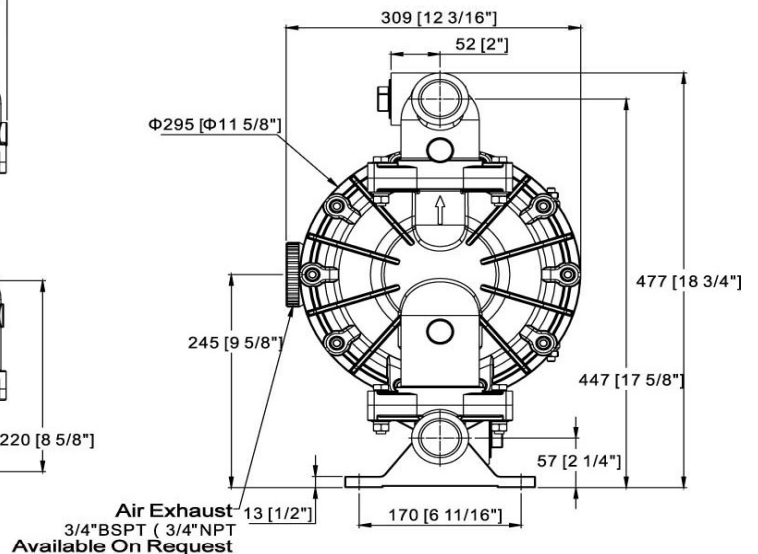
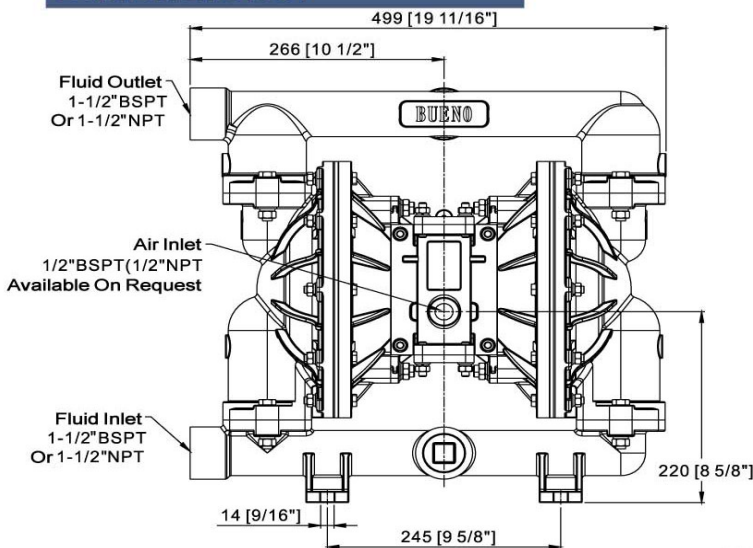
Suspended Solids Max. Dia.: 1/4"(6.4mm)

Maximum Dry Suction Lift: 19feet(5.8m)

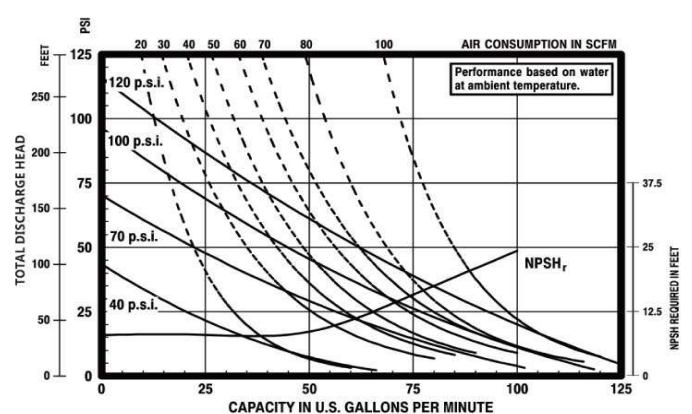
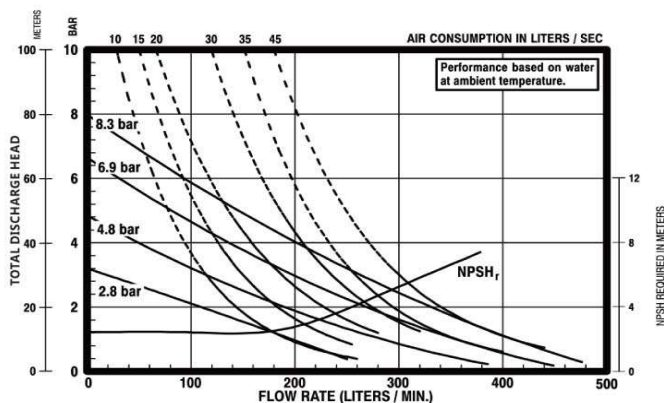
Weight: 28kg

Sound Level: 70psi 50 cycles/min. 81.0db(A)

DIMENSIONS:



PERFORMANCE CURVE:



1-1/2" STAINLESS STEEL AIR OPERATED DOUBLE DIAPHRAGM PUMP

MODEL: DP11-40BSXXXXXX

SPECIFICATIONS:

Air Inlet(female): 1/2"BSPT(1/2"NPT Available On Request)

Fluid Outlet(female): Screwed(female)1-1/2"BSPT
Or 1-1/2"NPT;
Flanged DN40 PN10 Or ANSI
1-1/2" Class150

Maximum Flow Rate: 124GPM(469LPM)

Max. Operating Pressure: 120psi(8.3bar)

Fluid Pressure Range: 20-120psi(1.4-8.3bar)

Suspended Solids Max. Dia.: 1/4"(6.4mm)

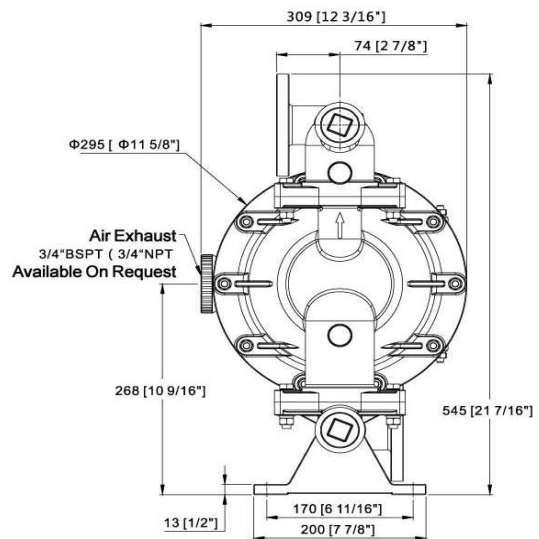
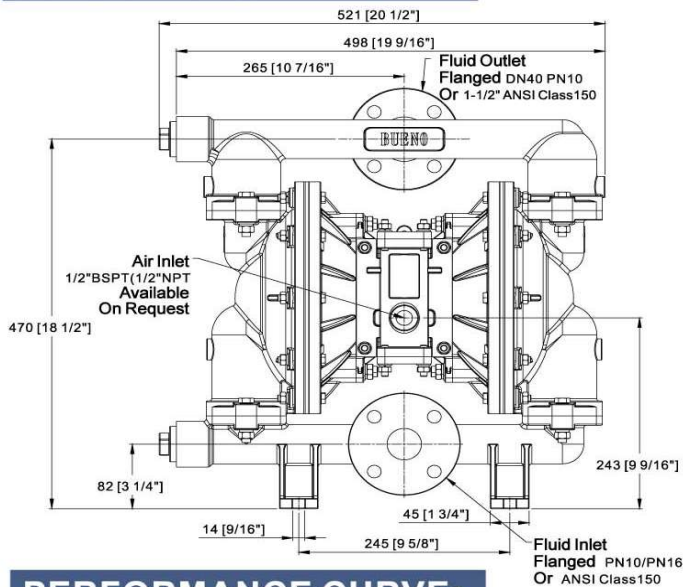
Maximum Dry Suction Lift: 19feet(5.8m)

Weight: Screwed 99 lbs(45kg);Flanged 105
lbs(47.5kg)

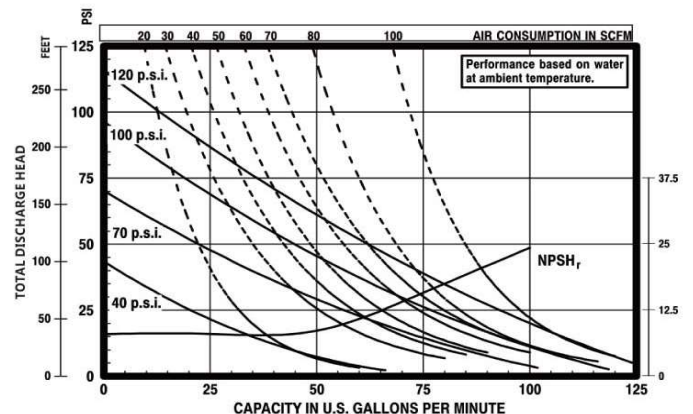
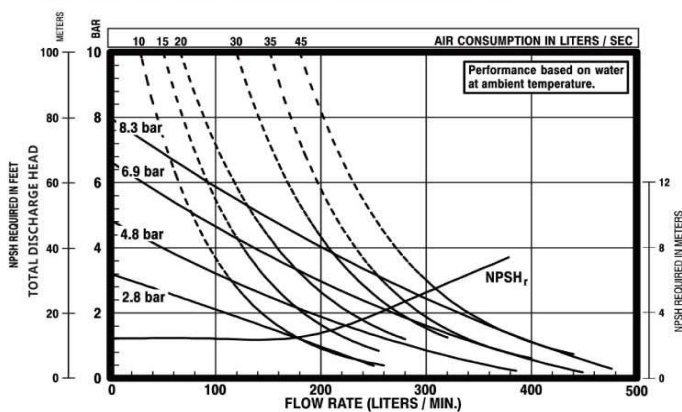
Sound Level:70psi 50 cycles/min. 81.0db(A)



DIMENSIONS:



PERFORMANCE CURVE:



1-1/2" CAST IRON AIR OPERATED DOUBLE DIAPHRAGM PUMP

MODEL: DP11-40BIXXXXXX

SPECIFICATIONS:

Air Inlet(female): 1/2"BSPT(1/2"NPT Available OnRequest)

Fluid Outlet & Inlet(female): Screwed(female)1-1/2"BSPT
Or 1-1/2"NPT;
Flanged DN40 PN10 Or ANSI
1-1/2" Class150

Maximum Flow Rate: 124GPM(469LPM)

Max. Operating Pressure: 120psi(8.3bar)

Fluid Pressure Range: 20-120psi(1.4-8.3bar)

Suspended Solids Max. Dia.: 1/4"(6.4mm)

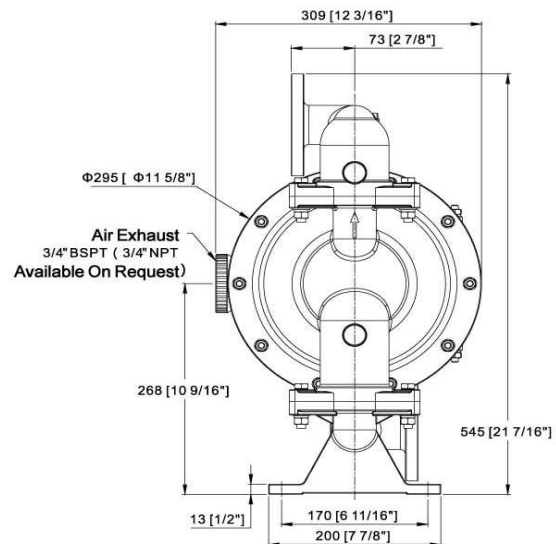
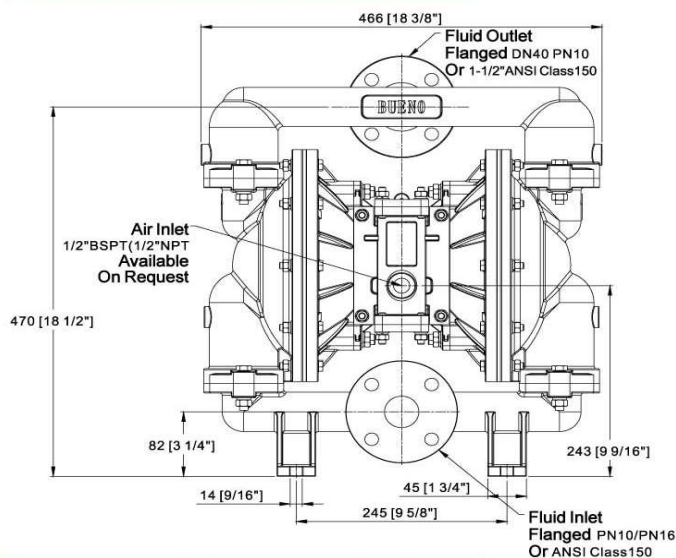
Maximum Dry Suction Lift: 19feet(5.8m)

Weight: Screwed41kg ; Flanged 43kg

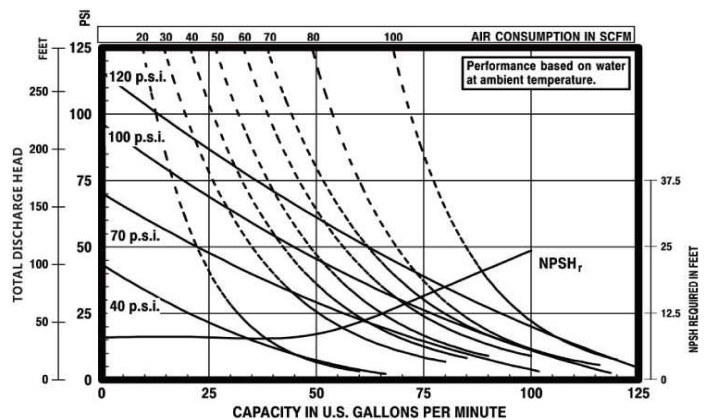
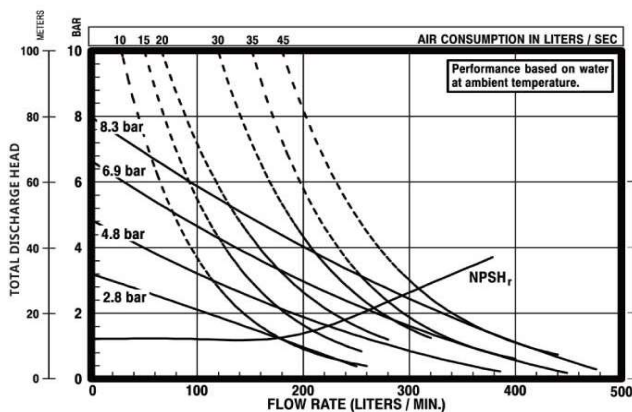
Sound Level:70psi 50 cycles/min. 81.0db(A)



DIMENSIONS:



PERFORMANCE CURVE:

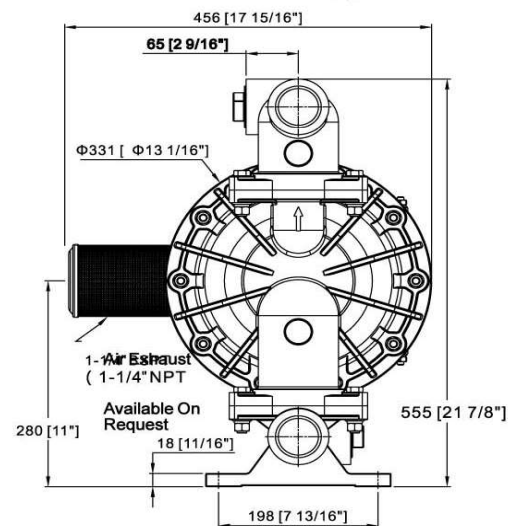
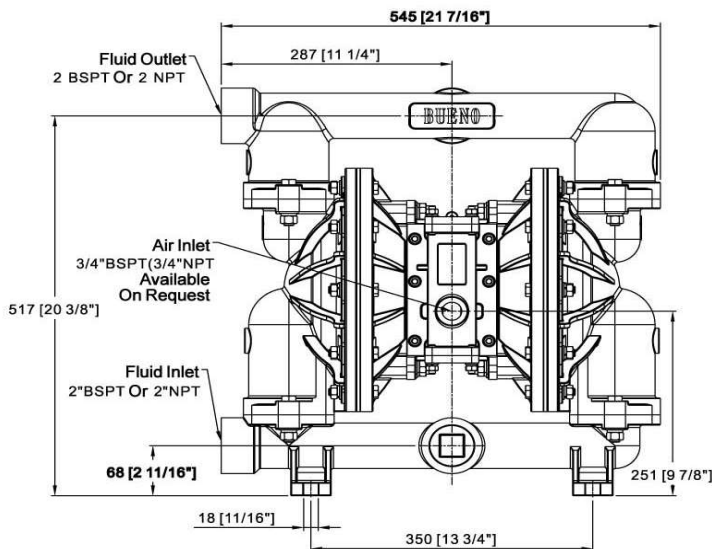


2" ALUMINUM AIR OPERATED DOUBLE DIAPHRAGM PUMP MODEL: DP11-50BAXXXAXX

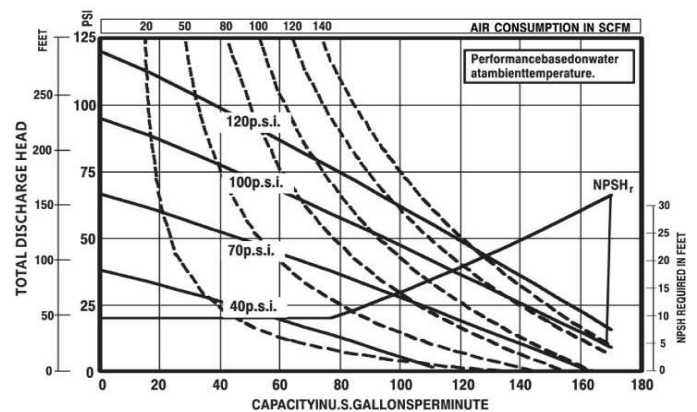
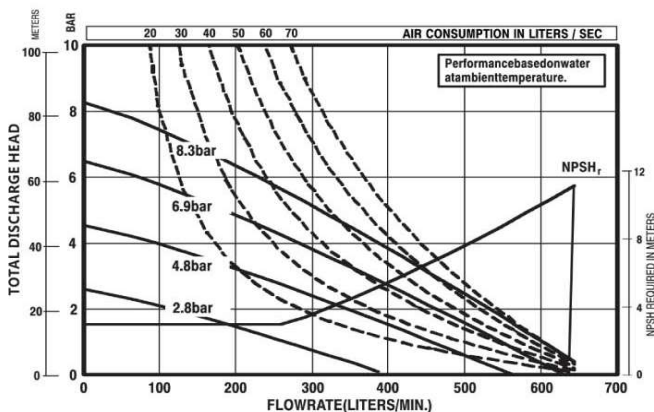
SPECIFICATIONS:

Air Inlet(female): 3/4"BSPT(3/4"NPT Available On Request)
Fluid Outlet & Fluid Inlet(female): 2"BSPT Or 2"NPT
Maximum Flow Rate: 171GPM(647LPM)
Max. Operating Pressure: 120psi(8.3bar)
Fluid Pressure Range: 20-120psi(1.4-8.3bar)
Suspended Solids Max. Dia.: 1/4"(6.4mm)
Maximum Dry Suction Lift: 19feet(5.8m)
Weight: 43kg
Sound Level: 70psi 50 cycles/min. 85.0db(A)

DIMENSIONS:



PERFORMANCE CURVE:



2" STAINLESS STEEL AIR OPERATED DOUBLE DIAPHRAGM PUMP

MODEL: DP11-50BSXXXXXX

SPECIFICATIONS:

Air Inlet(female): 3/4"BSPT(3/4"NPT Available On Request)

Fluid Outlet & Inlet(female): Screwed(female) 2"BSPT Or 2"NPT;
Flanged DN50 PN10 Or ANSI
2" Class150

Maximum Flow Rate: 171GPM(647LPM)

Max. Operating Pressure: 120psi(8.3bar)

Fluid Pressure Range: 20-120psi(1.4-8.3bar)

Suspended Solids Max. Dia.: 1/4"(6.4mm)

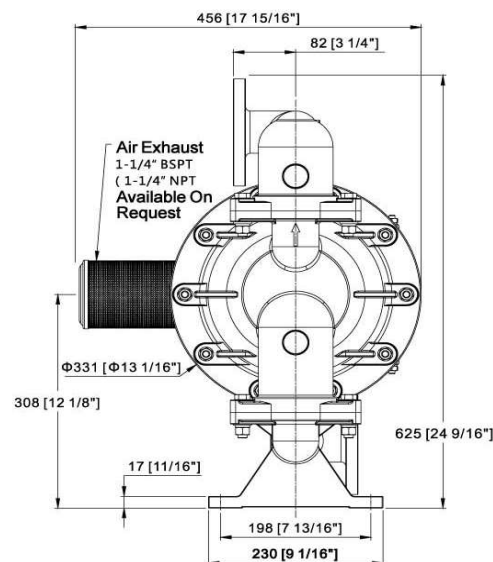
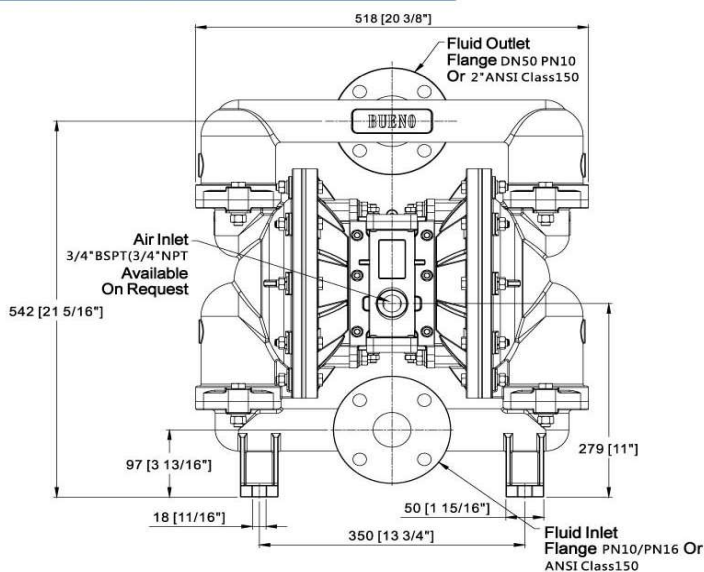
Maximum Dry Suction Lift: 19feet(5.8m)

Weight: Screwed 68kg ;Flanged 72kg

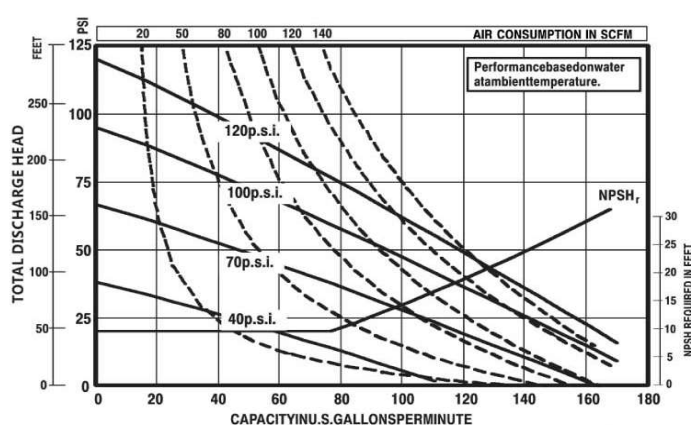
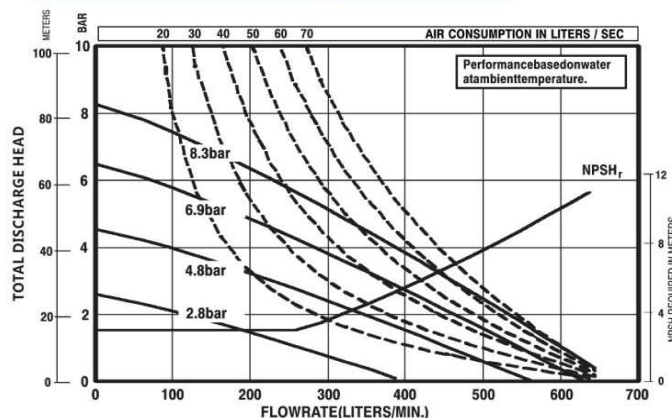
Sound Level:70psi 50 cycles/min. 85.0db(A)



DIMENSIONS:



PERFORMANCE CURVE:



2" CAST STEEL AIR OPERATED DOUBLE DIAPHRAGM PUMP

MODEL: DP11-50BIXXXXXX

SPECIFICATIONS:

Air Inlet(female): 3/4"BSPT(3/4"NPT Available On Request)

Fluid Outlet & Inlet(female): Screwed(female) 2"BSPT Or 2"NPT;
Flanged DN50 PN10 Or ANSI
2" Class150

Maximum Flow Rate: 171GPM(647LPM)

Max. Operating Pressure: 120psi(8.3bar)

Fluid Pressure Range: 20-120psi(1.4-8.3bar)

Suspended Solids Max. Dia.: 1/4"(6.4mm)

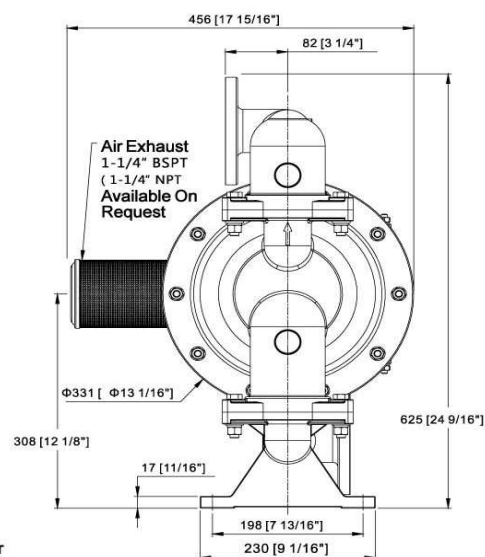
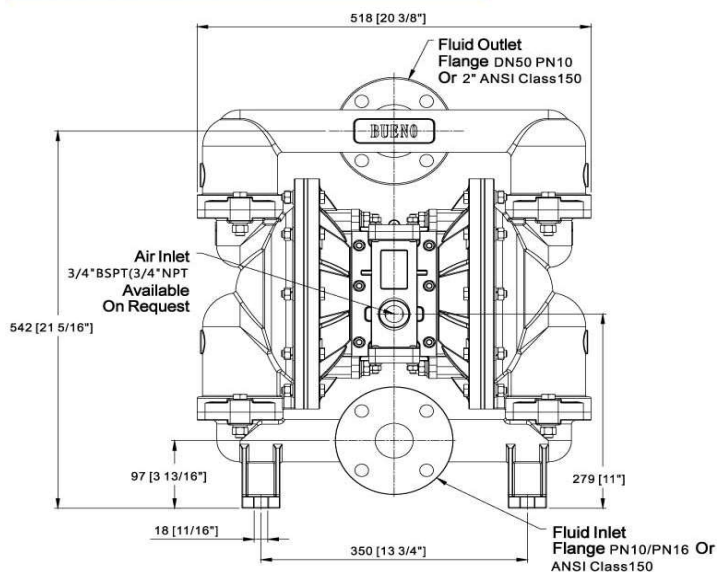
Maximum Dry Suction Lift: 19feet(5.8m)

Weight: Screwed62kg ;Flanged 65kg

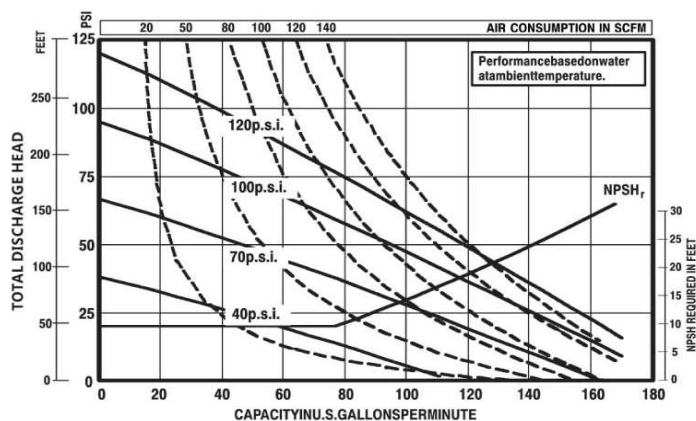
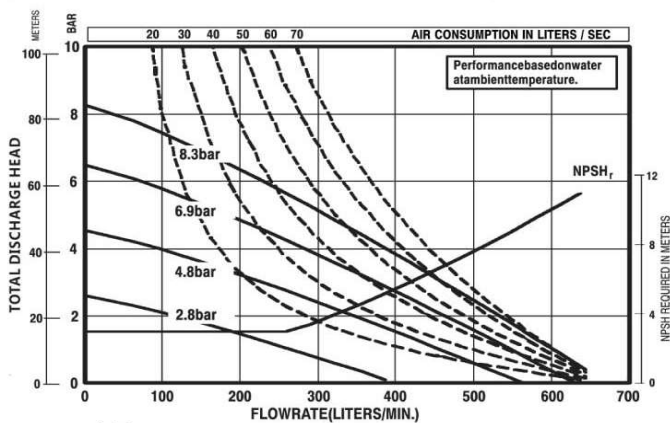
Sound Level:70psi 50 cycles/min. 85.0db(A)



DIMENSIONS:



PERFORMANCE CURVE:



3" ALUMINUM AIR OPERATED DOUBLE DIAPHRAGM PUMP MODEL: DP11-80BAXXXAXX

SPECIFICATIONS:

Air Inlet(female): 3/4"BSPT(3/4"NPT Available On Request)

Fluid Outlet(female): 3"BSPT Or 3"NPT

Fluid Inlet(female): 3"BSPT Or 3"NPT

Maximum Flow Rate: 273GPM(1033LPM)

Max. Operating Pressure: 120psi(8.3bar)

Fluid Pressure Range: 20-120psi(1.4-8.3bar)

Suspended Solids Max. Dia.: 3/8"(9.5mm)

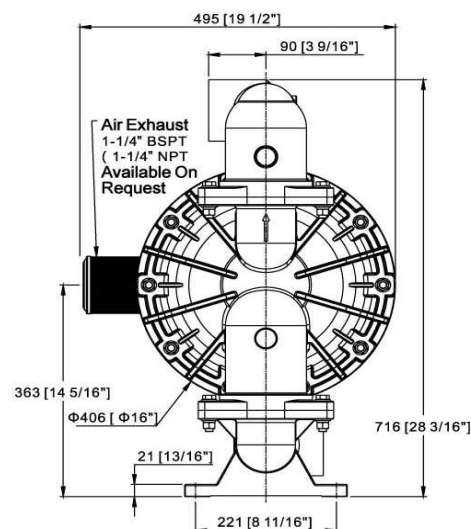
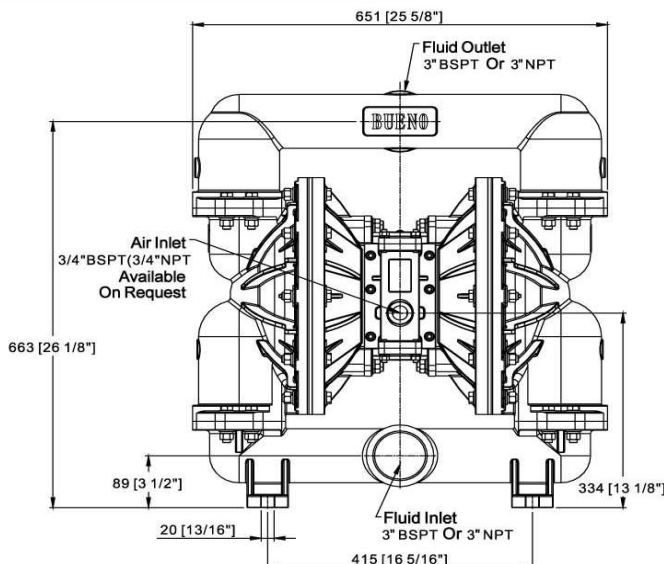
Maximum Dry Suction Lift: 17.6feet(5.4m)

Weight: 72kg

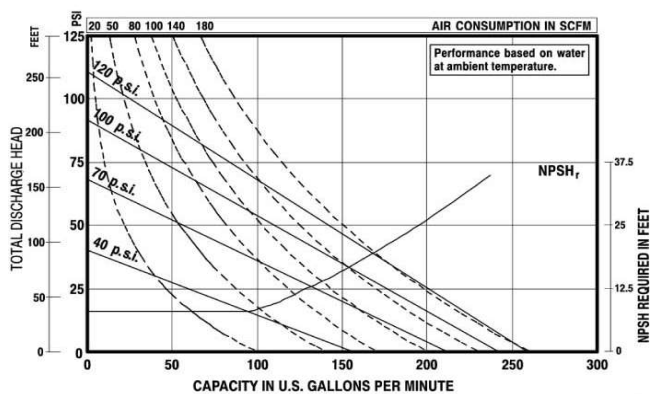
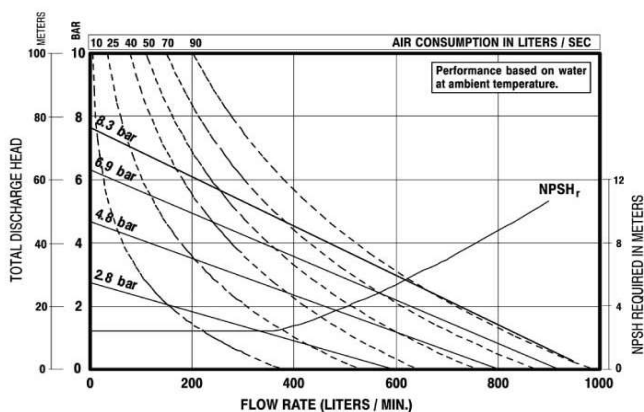
Sound Level:70psi 50 cycles/min. 86.0db(A)



DIMENSIONS:



PERFORMANCE CURVE:



3" STAINLESS STEEL AIR OPERATED DOUBLE DIAPHRAGM PUMP MODEL: DP11-80BSXXXXXX

SPECIFICATIONS:

Air Inlet(female): 3/4"BSPT(3/4"NPT Available On Request)

Fluid Outlet & Inlet(female): Screwed(female) 3"BSPT Or 3"NPT;
Flanged DN80 PN10 Or ANSI
3" Class150

Maximum Flow Rate: 273GPM(1033LPM)

Max. Operating Pressure: 120psi(8.3bar)

Fluid Pressure Range: 20-120psi(1.4-8.3bar)

Suspended Solids Max. Dia.: 3/8"(9.5mm)

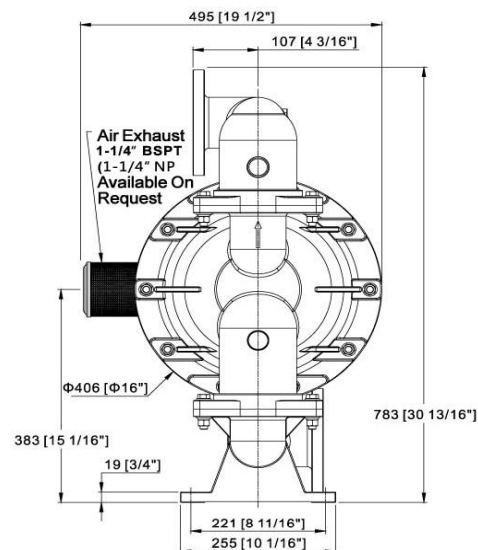
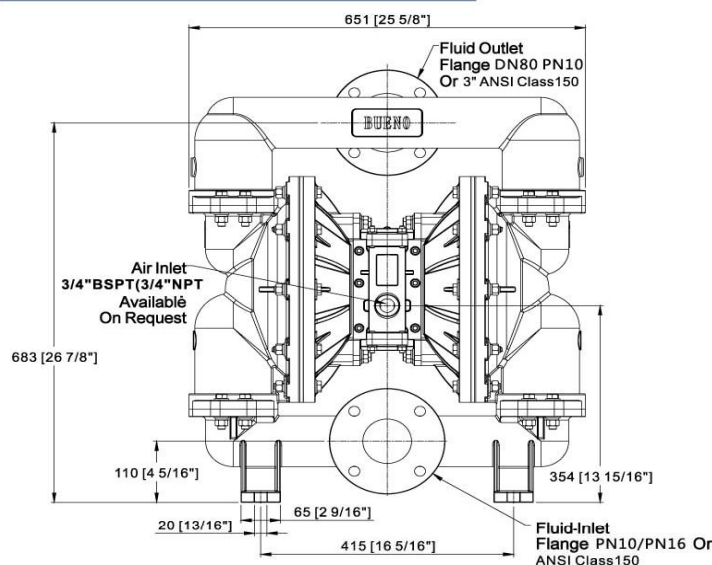
Maximum Dry Suction Lift: 17.6feet(5.4m)

Weight: Screwed 121kg; Flanged 126kg

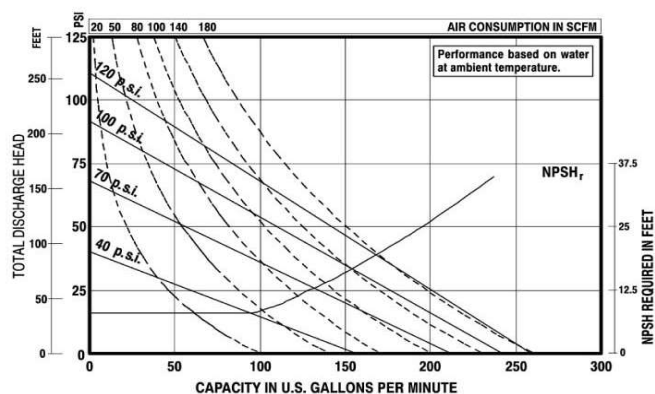
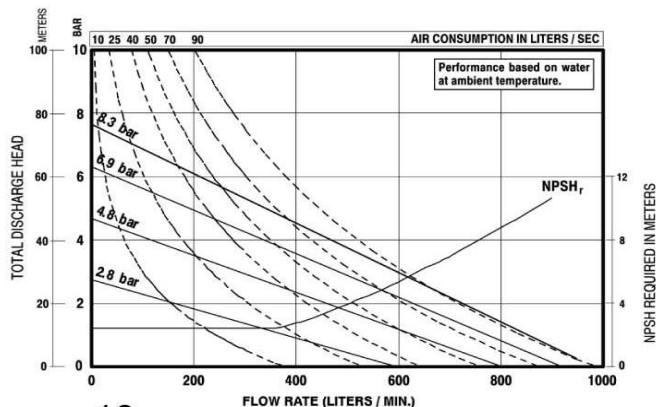
Sound Level:70psi 50 cycles/min. 86.0db(A)



DIMENSIONS:



PERFORMANCE CURVE:



3" CAST IRON AIR OPERATED DOUBLE DIAPHRAGM PUMP

MODEL: DP11-80BIXXXXXX

SPECIFICATIONS:

Air Inlet(female): 3/4"BSPT(3/4"NPT Available On Request)

Fluid Outlet & Inlet(female): Screwed(female) 3"BSPT Or 3"NPT;
Flanged DN80 PN10 Or ANSI 3" Class150

Maximum Flow Rate: 273GPM(1033LPM)

Max. Operating Pressure: 120psi(8.3bar)

Fluid Pressure Range: 20-120psi(1.4-8.3bar)

Suspended Solids Max. Dia.: 3/8"(9.5mm)

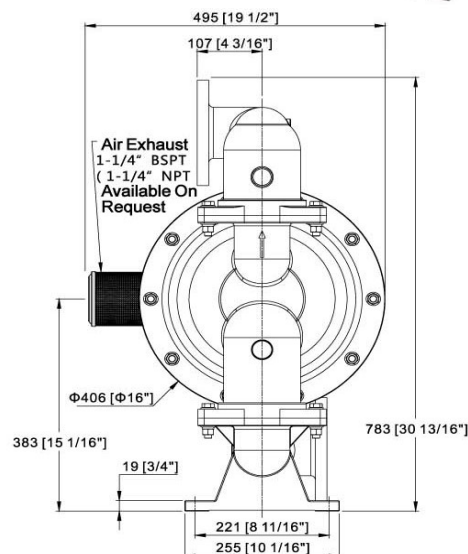
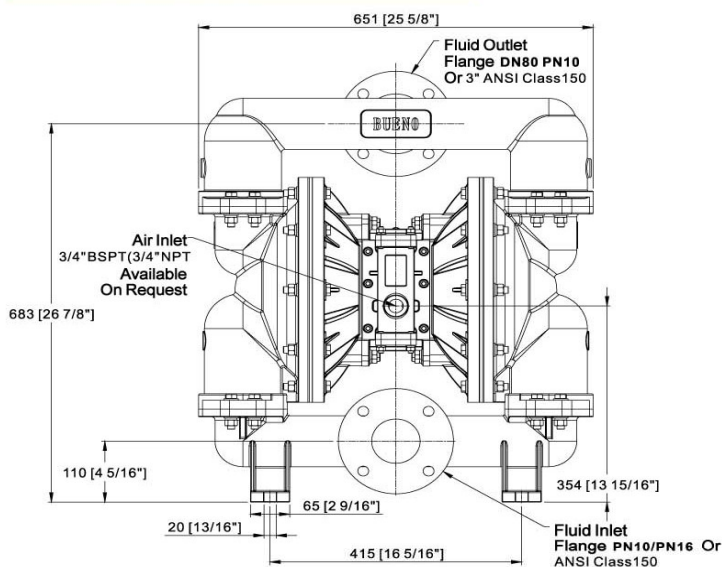
Maximum Dry Suction Lift: 17.6feet(5.4m)

Weight: Screwed 110kg ; Flanged 115kg

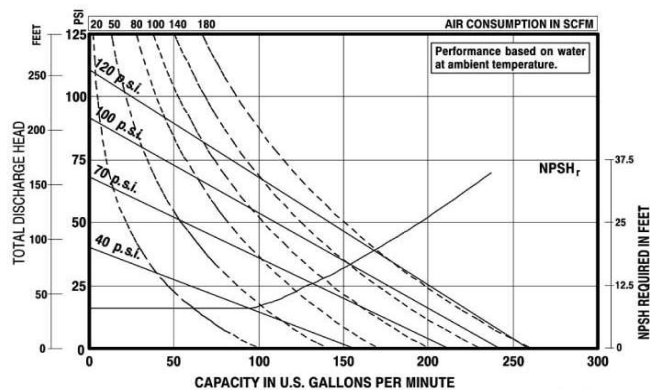
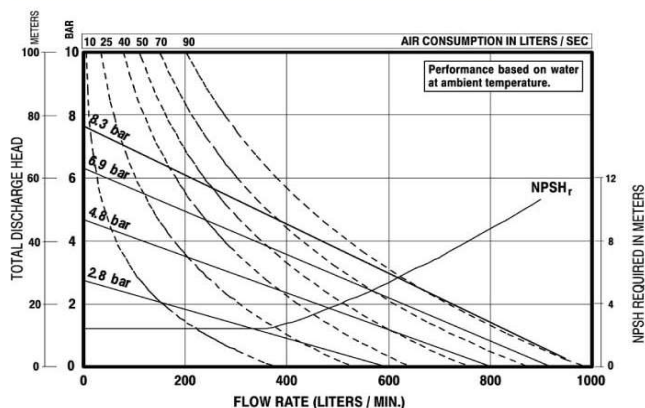
Sound Level:70psi 50 cycles/min. 86.0db(A)

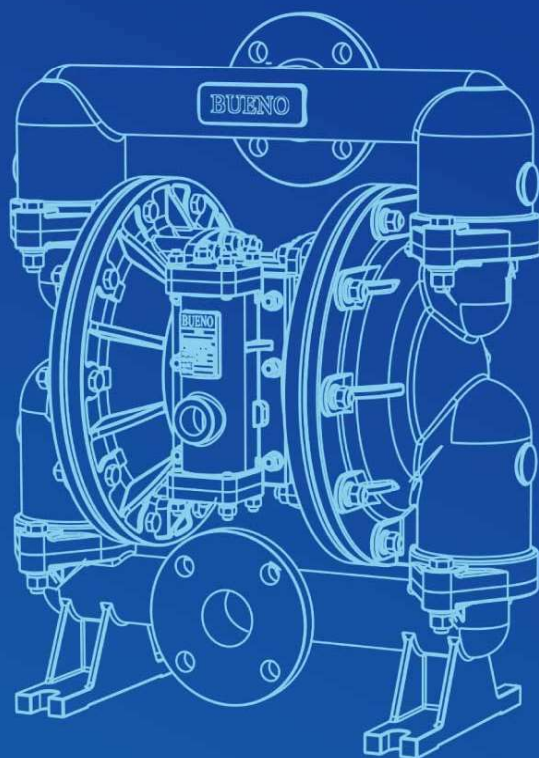


DIMENSIONS:



PERFORMANCE CURVE:





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