

**3" CAST IRON AIR OPERATED DOUBLE DIAPHRAGM PUMP**

Rev.A

Model: DP11-80BIXXXXXX

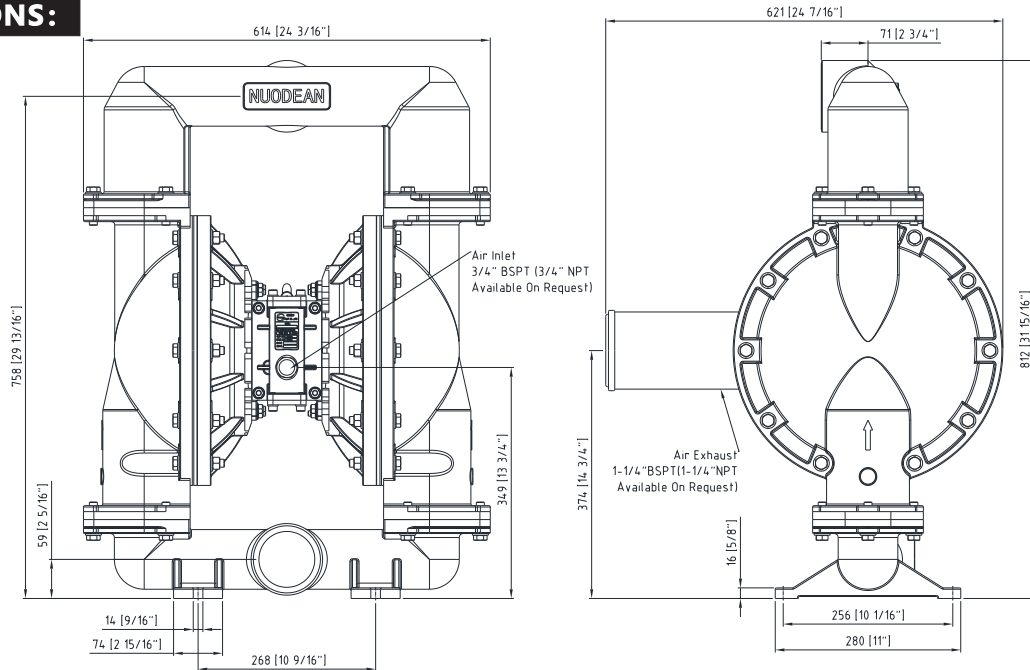
◆SPECIFICATIONS:**Air Inlet(Female):** 3/4"BSPT(3/4"NPT Available On Request)**Fluid Outlet(Female):** 3"BSPT Or 3"NPT**Fluid Inlet(Female):** 3"BSPT Or 3"NPT**Maximum Flow Rate:** 273GPM(1033LPM)**Max. Operating Pressure:** 120psi(8.3bar)**Fluid Pressure Range:** 20-120psi(1.4-8.3bar)**Suspended Solids Max. Dia.:** 3/8"(9.5mm)**Maximum Dry Suction Lift:** 17.6feet(5.4m)**Weight:** 232 lbs(105kg)**Sound Level:** 70PSI 60 Cycles/Min 86.3db(A)**◆PRODUCT ADVANTAGES:****1. Stall-free Design.****2. Self-lubricating,lube-free and maintenance-free air system.****3. More flow and less pulsation:**Pilot Air-distribution Valve provides an positive,reliable,faster shif signal that avoids stall-out,and provides faster pump trip-over with more flow and less pulsation.**4. 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.**5. Big flow Rate:**Faster pump reversing increases flow to a certain extent.**6. Anti-icing design:**With built-in vacuum pump chamber,it is anti-icing and effectively reduces the discharge air pressure and noise from work.**◆MODEL DESCRIPTIONS:**

Model	DP11	-	80	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

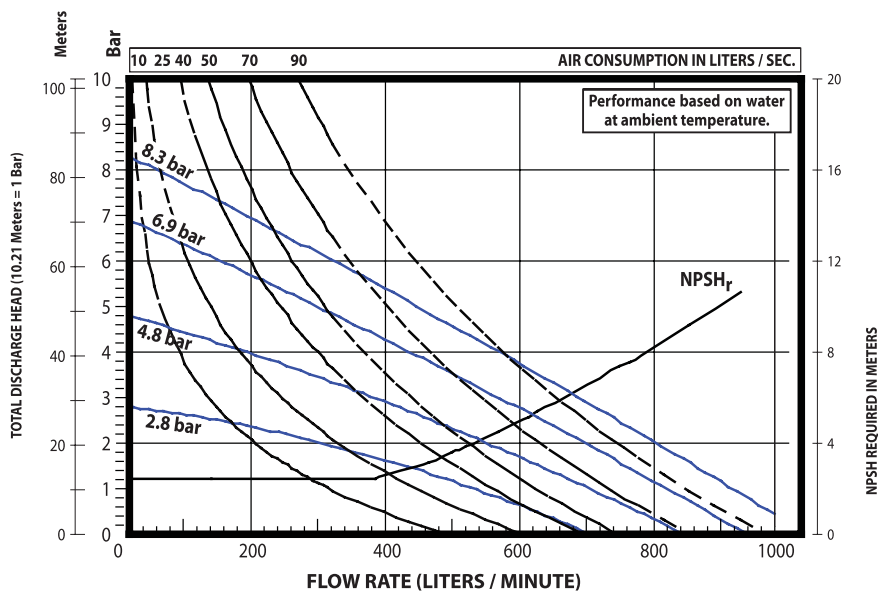
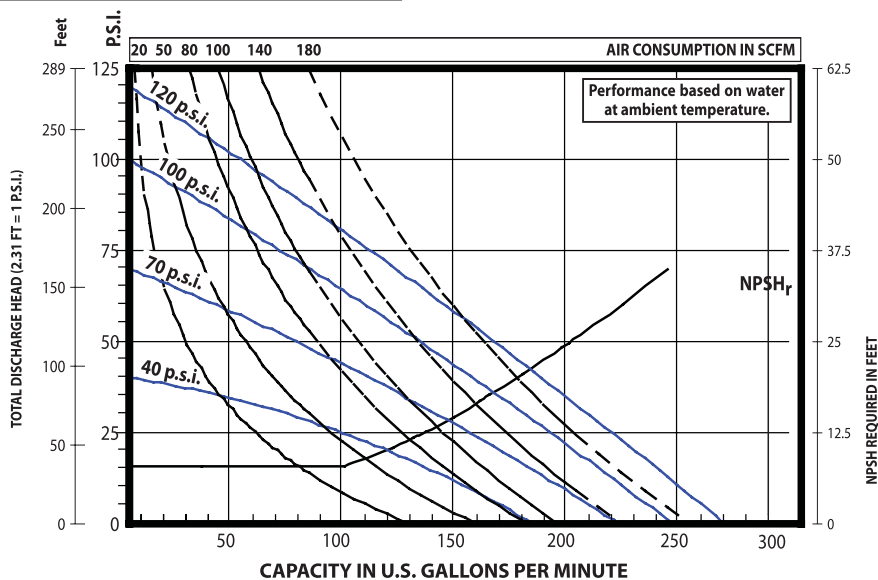
Pump Size	80-3"			
Check Valve Type	B-Ball			
Wetted Parts	A-Aluminum	I-Ductile Iron	S-Stainless Steel	H-Alloy C
Diaphragm Material	1-Neoprene	2-Nitrile	3-Viton	4-PTFE/Santoprene
	5-EPDM	6-Composite PTFE	7-Santoprene	8-Hytrel
Check Valve Ball	1-Neoprene	2-Nitrile	3-Viton	4-PTFE
	5-EPDM	6-Acetal	7-Polyurethane	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
Fluid Connections	N-NPT Threads	B-BSPT Threads	F-ANSI 150 Flange	G-PN16/PN10 Flange
Hardware	C-Carbon Steel Galvanized		S-Stainless Steel	



◆DIMENSIONS:



◆PERFORMANCE CURVES:



◆REPAIR/SERVE KITS:

Pump Model:

DP11-80BI ☒ ☒ XAXX

Fluid Section Service Kit:

SERVE280F-☒ ☒

Diaphragm Material

Ball Material

EXAMPLE:

If pump model: DP11-80BI 74XAXX,
so fluid section service kit is:
SERVE280F-74

Air Section Service Kit:

SERVE280A