

**3" ALUMINUM AIR OPERATED DOUBLE DIAPHRAGM PUMP**

Rev.A

Model: DP11-80BAXXXAXX

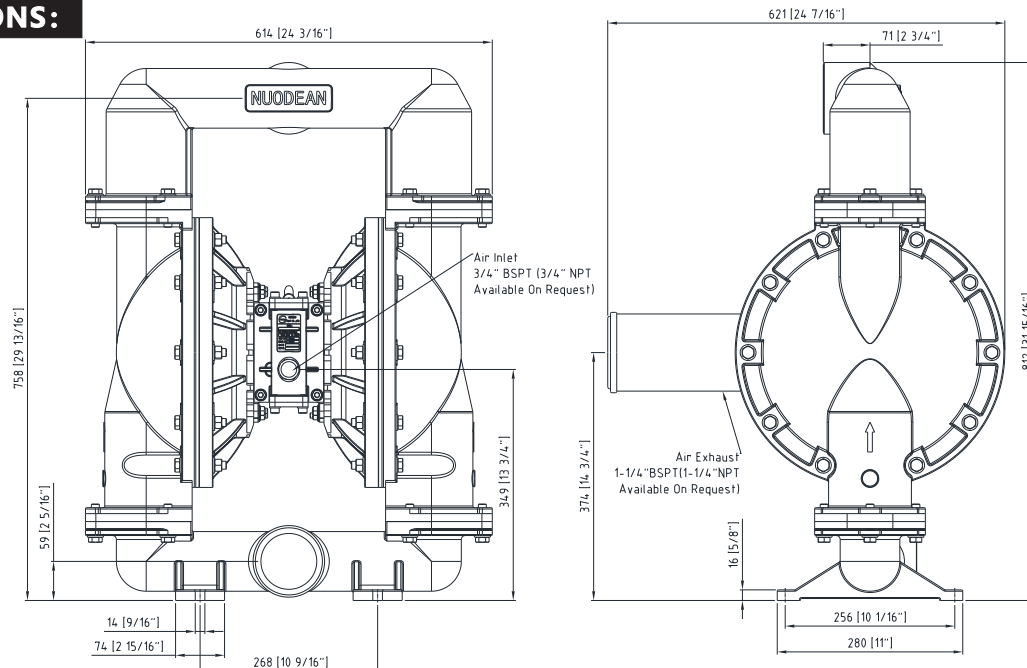
**◆SPECIFICATIONS:****Air Inlet(Female):** 3/4"BSPT(3/4"NPT Available On Request)**Fluid Outlet(Female):** 3"BSPT Or 3"NPT**Fluid Inlet(Female):** 3"BSPT Or 3"NPT**Maximum Flow Rate:** 273GPM(1033LPM)**Max. Operating Pressure:** 120psi(8.3bar)**Fluid Pressure Range:** 20-120psi(1.4-8.3bar)**Suspended Solids Max. Dia.:** 3/8"(9.5mm)**Maximum Dry Suction Lift:** 17.6feet(5.4m)**Weight:** 133 lbs(60kg)**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                | A            | X                  | X                | X                | A              | X                 | X        |
|-------|----------------|---|-----------|------------------|--------------|--------------------|------------------|------------------|----------------|-------------------|----------|
|       | Product Series |   | Pump Size | Check Valve Type | Wetted Parts | Diaphragm Material | Check Valve Ball | Check Valve Seat | Center Section | Fluid Connections | Hardware |

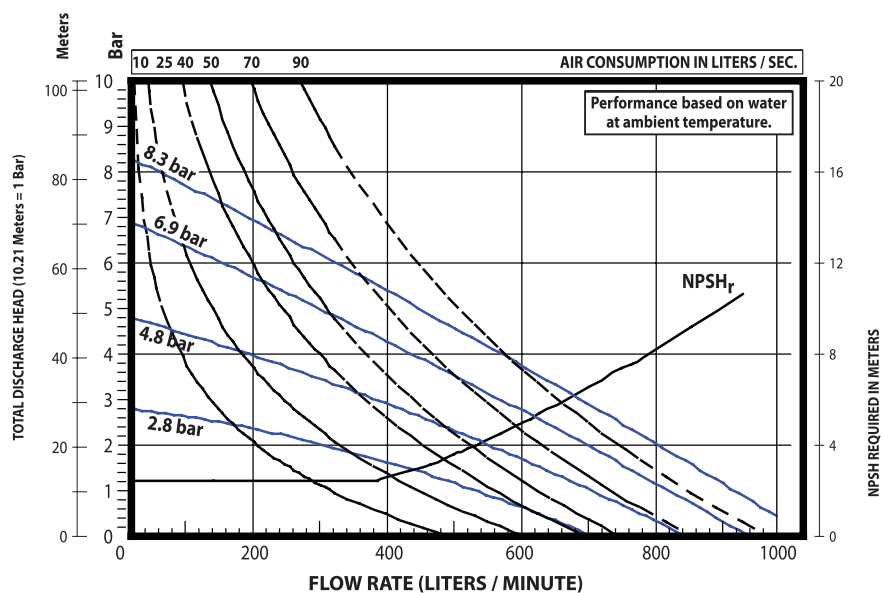
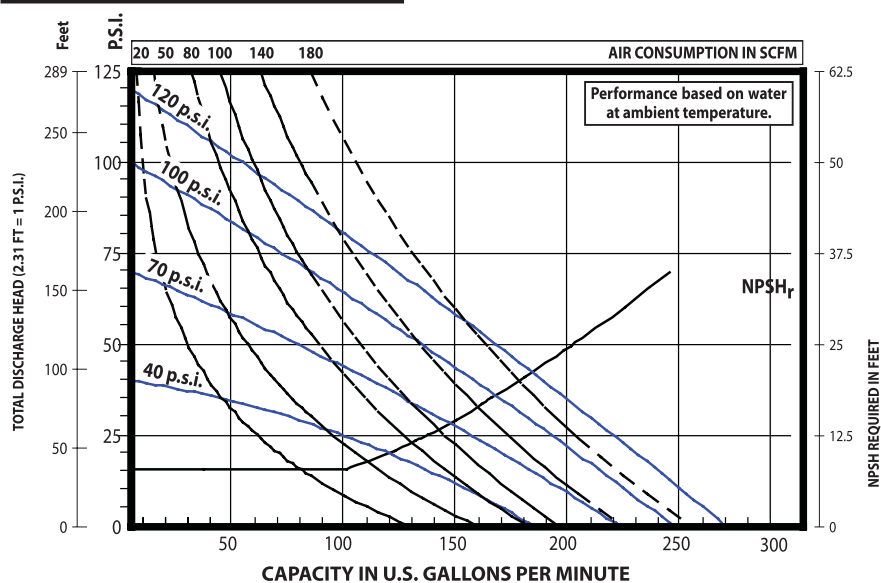
|                    |                           |                       |                            |                    |
|--------------------|---------------------------|-----------------------|----------------------------|--------------------|
| Pump Size          | 80-3"                     |                       |                            |                    |
| 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:

DP11-80BA ☒ ☒ XAXX

Fluid Section Service Kit:

SERVE280F-☒ ☒

Diaphragm Material

Ball Material

EXAMPLE:

If pump model: DP11-80BA74XAXX,  
so fluid section service kit is:  
SERVE280F-74

Air Section Service Kit:

SERVE280A