



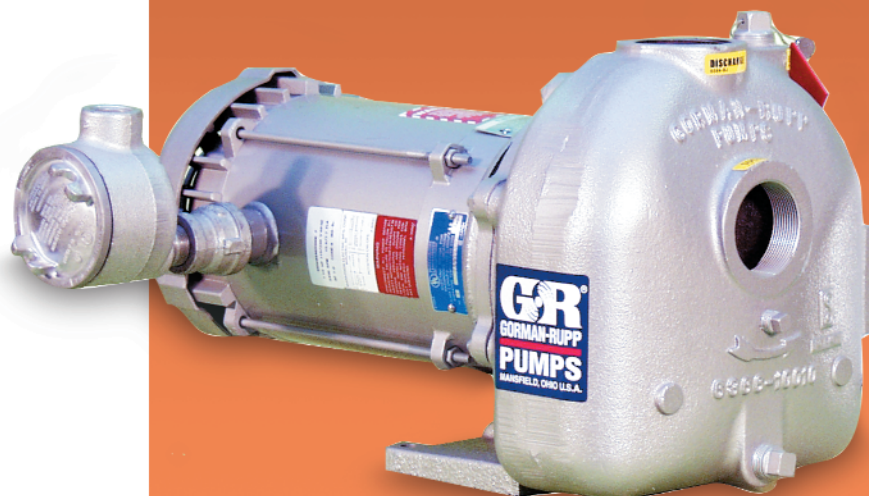
PREMIUM HEAVY DUTY

Self-Priming Centrifugal Pumps with Explosion Proof Motors

- **Cast Iron Construction**
- **Viton® Seals with Carbon and Ni-Resist Faces**
- **1-1/4", 1-1/2" & 2" NPT Port Sizes**
- **Self-priming up to 20 ft. of Water**
- **Maximum Operating Pressure to 31 PSI**
- **Maximum Temperature 160°F**
- **Maximum Flow to 128 GPM**
- **Maximum Head 72 ft.**
- **Solids Handling up to 3/8" Diameter**
- **1/2 to 2 HP Single and Three (3) Phase 3450 RPM Motors**

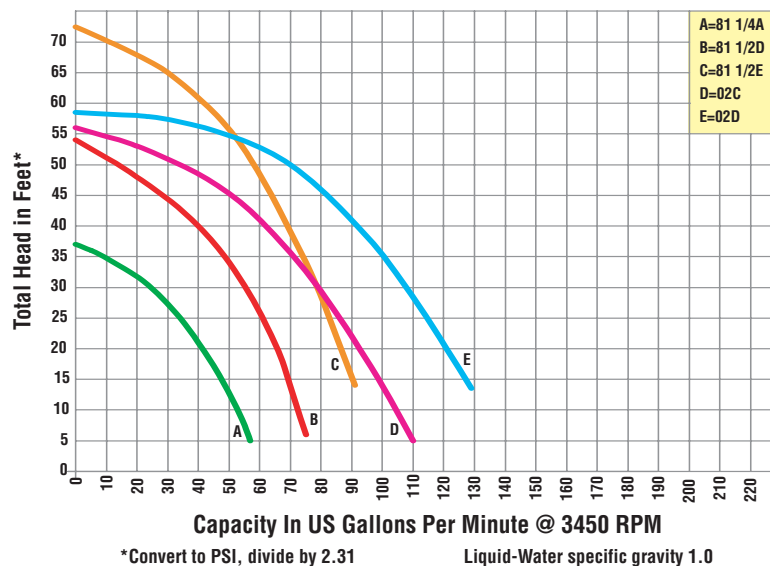
This line of Gorman-Rupp Explosion Proof, Self-priming Centrifugal pumps is designed for use in hazardous environments and/or for handling flammable liquids. 1-1/4", 1-1/2" and 2" NPT port sizes available with single and 3-phase motors 1/2 to 2 Horsepower. All models are self-priming and are equipped with Viton® seals with carbon and Ni-Resist faces capable of handling liquids with temperatures to 160°F. Maximum flow to 128 GPM and operating pressure to 31 PSI.

Exp. Proof Classes: Class 1, Group D,
Class 2, Groups E,F,G or FG.

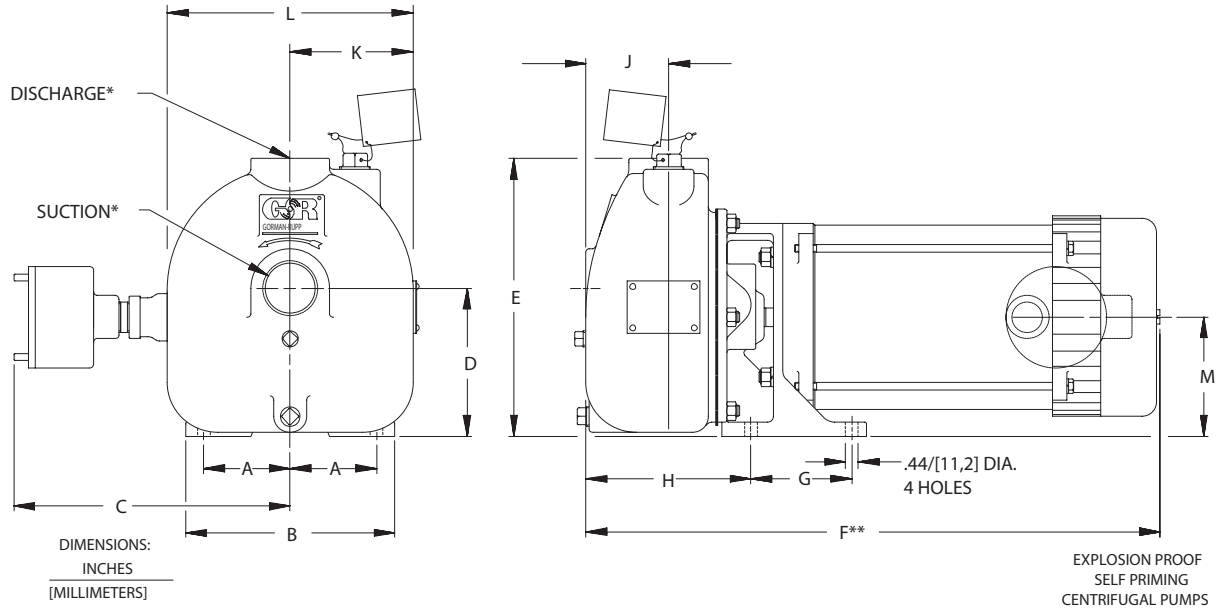


Model 02C3-X1.5 1P

Composite of Performance Curves



Self-Priming Centrifugal Pumps



MODEL	A	B	C	D	E	F**	G	H	J	K	L	M	SUCT*	DISCH*
81 1/4A3-X.50 1P	3.50 [88,9]	8.00 [203,2]	9.56 [242,8]	4.75 [120,6]	8.00 [203,2]	18.00 [457,2]	3.00 [76,2]	5.62 [142,7]	3.19 [81,0]	3.44 [87,4]	6.88 [174,8]	3.50 [88,9]	1.25	1.25
81 1/4A3-X.50 3P	3.50 [88,9]	8.00 [203,2]	9.56 [242,8]	4.75 [120,6]	8.00 [203,2]	18.00 [457,2]	3.00 [76,2]	5.62 [142,7]	3.19 [81,0]	3.44 [87,4]	6.88 [174,8]	3.50 [88,9]	1.25	1.25
81 1/2D3-X1 1P	3.00 [76,2]	7.00 [177,8]	9.56 [242,8]	5.12 [130,0]	9.63 [244,6]	20.00 [508,0]	3.50 [88,9]	5.71 [145,0]	2.88 [73,2]	4.25 [108,0]	8.50 [215,9]	4.13 [104,9]	1.50	1.50
81 1/2D3-X1 3P	3.00 [76,2]	7.00 [177,8]	9.56 [242,8]	5.12 [130,0]	9.63 [244,6]	20.00 [508,0]	3.50 [88,9]	5.71 [145,0]	2.88 [73,2]	4.25 [108,0]	8.50 [215,9]	4.13 [104,9]	1.50	1.50
81 1/2E3-X1.5 1P	3.50 [76,2]	7.24 [183,9]	9.56 [242,8]	5.12 [130,0]	9.63 [244,6]	21.00 [533,4]	3.50 [88,9]	5.69 [144,5]	2.88 [73,2]	4.25 [108,0]	8.50 [215,9]	4.13 [104,9]	1.50	1.50
81 1/2E3-X1.5 3P	3.50 [76,2]	7.24 [183,9]	9.56 [242,8]	5.12 [130,0]	9.63 [244,6]	21.00 [533,4]	3.50 [88,9]	5.69 [144,5]	2.88 [73,2]	4.25 [108,0]	8.50 [215,9]	4.13 [104,9]	1.50	1.50
02C3-X1.5 1P	2.88 [73,2]	7.00 [177,8]	N/A	6.62 [168,1]	10.88 [276,4]	21.00 [533,4]	3.50 [88,9]	5.81 [147,6]	2.88 [73,2]	4.88 [123,9]	9.75 [247,6]	5.38 [136,6]	2.00	2.00
02C3-X1.5 3P	2.88 [73,2]	7.00 [177,8]	N/A	6.62 [168,1]	10.88 [276,4]	21.00 [533,4]	3.50 [88,9]	5.81 [147,6]	2.88 [73,2]	4.88 [123,9]	9.75 [247,6]	5.38 [136,6]	2.00	2.00
02D3-X2 1P	2.88 [73,2]	7.00 [177,8]	N/A	6.62 [168,1]	10.88 [276,4]	21.00 [533,4]	3.50 [88,9]	5.81 [147,6]	2.88 [73,2]	4.88 [123,9]	9.75 [247,6]	5.38 [136,6]	2.00	2.00
02D3-X2 3P	2.88 [73,2]	7.00 [177,8]	N/A	6.62 [168,1]	10.88 [276,4]	21.00 [533,4]	3.50 [88,9]	5.81 [147,6]	2.88 [73,2]	4.88 [123,9]	9.75 [247,6]	5.38 [136,6]	2.00	2.00

(*) STANDARD NPT PIPE THREADS.

(**) DIMENSION MAY VARY WITH MOTOR MANUFACTURER.

Model No.	Description/ Type of Pump	Ship Wt (Lbs.)	Driver Type & HP	Port size Suc x dis (NPT)	Basic Construction	Seal Type & Elastomer/Faces	VAC	Cycle	Motor Enclosure
81 1/4A3-X.50 1P	Explosion Proof Self-Priming Centrifugal Pumps	85	Elect. Motor 0.5 hp	1 1/4" x 1 1/4"	Gray Iron	Viton** Carbon Ni-resist	115/230	60 Cycle	X-Proof
81 1/4A3-X.50 3P	Explosion Proof Self-Priming Centrifugal Pumps	85	Elect. Motor 0.5 hp	1 1/4" x 1 1/4"	Gray Iron	Viton** Carbon Ni-resist	230/460	60 Cycle	X-Proof
81 1/2D3-X1 1P	Explosion Proof Self-Priming Centrifugal Pumps	89	Elect. Motor 1.0 hp	1 1/2" x 1 1/2"	Gray Iron	Viton** Carbon Ni-resist	115/230	60 Cycle	X-Proof
81 1/2D3-X1 3P	Explosion Proof Self-Priming Centrifugal Pumps	89	Elect. Motor 1.0 hp	1 1/2" x 1 1/2"	Gray Iron	Viton** Carbon Ni-resist	208/230/460	60 Cycle	X-Proof
81 1/2E3-X1.5 1P	Explosion Proof Self-Priming Centrifugal Pumps	76	Elect. Motor 1.5 hp	1 1/2" x 1 1/2"	Gray Iron	Viton** Carbon Ni-resist	115/230	60 Cycle	X-Proof
81 1/2E3-X1.5 3P	Explosion Proof Self-Priming Centrifugal Pumps	76	Elect. Motor 1.5 hp	1 1/2" x 1 1/2"	Gray Iron	Viton** Carbon Ni-resist	230/460	60 Cycle	X-Proof
02C3-X1.5 1P	Explosion Proof Self-Priming Centrifugal Pumps	99	Elect. Motor 1.5 hp	2" x 2"	Gray Iron	Viton** Carbon Ni-resist	115/230	60 Cycle	X-Proof
02C3-X1.5 3P	Explosion Proof Self-Priming Centrifugal Pumps	99	Elect. Motor 1.5 hp	2" x 2"	Gray Iron	Viton** Carbon Ni-resist	230/460	60 Cycle	X-Proof
02D3-X2 1P	Explosion Proof Self-Priming Centrifugal Pumps	101	Elect. Motor 2 hp	2" x 2"	Gray Iron	Viton** Carbon Ni-resist	115/230	60 Cycle	X-Proof
02D3-X2 3P	Explosion Proof Self-Priming Centrifugal Pumps	101	Elect. Motor 2 hp	2" x 2"	Gray Iron	Viton** Carbon Ni-resist	230/460	60 Cycle	X-Proof

*Viton® is a registered trademark of DuPont

Standard Features

- Cast iron construction
- Maximum operating pressure to 31 PSI
- Maximum temperature 160°F
- Maximum flow to 128 GPM
- Maximum head 72 ft.
- Solids handling to 3/8" diameter
- Self-priming up to 20 ft. of water
- 1/2 to 2 HP single to three (3) phase 3450 RPM motors



The Gorman-Rupp Company reserves the right to discontinue any model or change specifications at any time without incurring any obligation.