

DP-80 Specifications

Xtreme Duty Pro XDP® Heavy Duty

Port Dimensions (161.1 GPM Max.)

Intake & discharge connection:

Aluminum (ADC-12)	3" ANSI B16.5 #150 (with tapped 3" Female NPT)
Polypropylene (PPG)	3" ANSI B16.5 #150
Stainless Steel (316)	3" ANSI B16.5 #150 or 3" Female NPT
Cast Iron	3" Female NPT
Air inlet (incl. ball valve):	3/4" Female NPT
Air exhaust (incl. silencer):	1" Female NPT

Maximum Liquid Temperature*

Diaphragm Material	Temperature
Buna N	180°F (82°C)
Neoprene	180°F (82°C)
Santoprene® (TPO)	180°F (82°C)
EPDM	212°F (100°C)
PTFE	212°F (100°C)
Hytrel® (TPEE)	248°F (120°C)
Viton® fluoroelastomer	248°F (120°C)

* The maximum liquid temperature for metal pumps is determined by the elastomer (diaphragm material). Polypropylene pumps have a maximum liquid temperature of 180°F (82°C) regardless of diaphragm material.

Air Supply Pressure (All Models)

20–125 PSI (1.4–8.7 kgf/cm²)

Discharge Volume Per Cycle

Rubber diaphragm: 1.69 gallons

PTFE diaphragm: 0.81 gallons

Maximum Cycles Per Minute

Rubber diaphragm: 610

PTFE diaphragms: 360

Maximum Size Solid

25/64" (10 mm)

Maximum Dry Suction Lift

Rubber fitted pump capability: 16'

PTFE fitted pump capability: 9'

Air Motor

Aluminum air motor standard on all pumps.

Valve Type

Ball

Notes: Santoprene® fitted pumps include EPDM wetted o-rings.



Aluminum

Dimensions: 20.57"W x 39.3"H

Net Wt.: 136 lbs. (61.7 kg)

Shipping Wt.: 146 lbs.



Polypropylene

NPT Dimensions: 22.84"W x 41.10"H

Net Wt.: 148.8 lbs. (67.5 kg)

Shipping Wt.: 158 lbs.



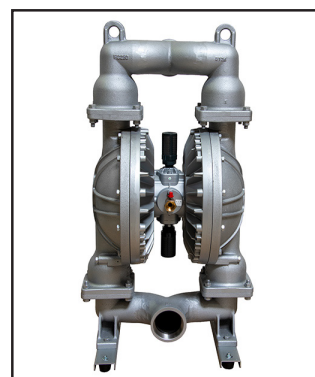
Stainless Steel

FLG & NPT Dimensions:

20.51"W x 38.73"H

Net Wt.: 218.3 lbs. (99 kg)

Shipping Wt.: 228 lbs.



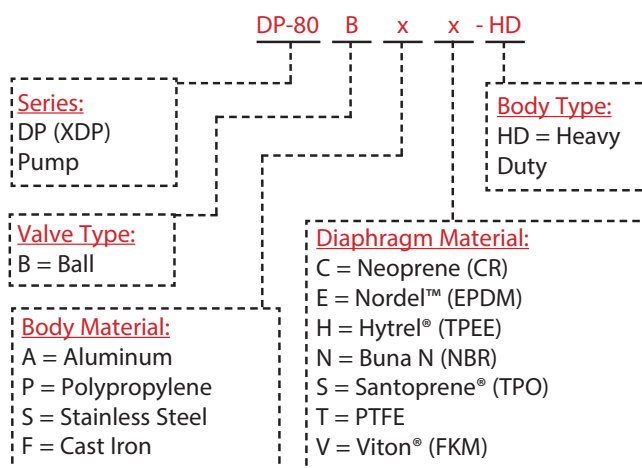
Cast Iron

Dimensions: 20.51"W x 38.73"H

Net Wt.: 240 lbs. (109 kg)

Shipping Wt.: 250 lbs.

Model Number Nomenclature

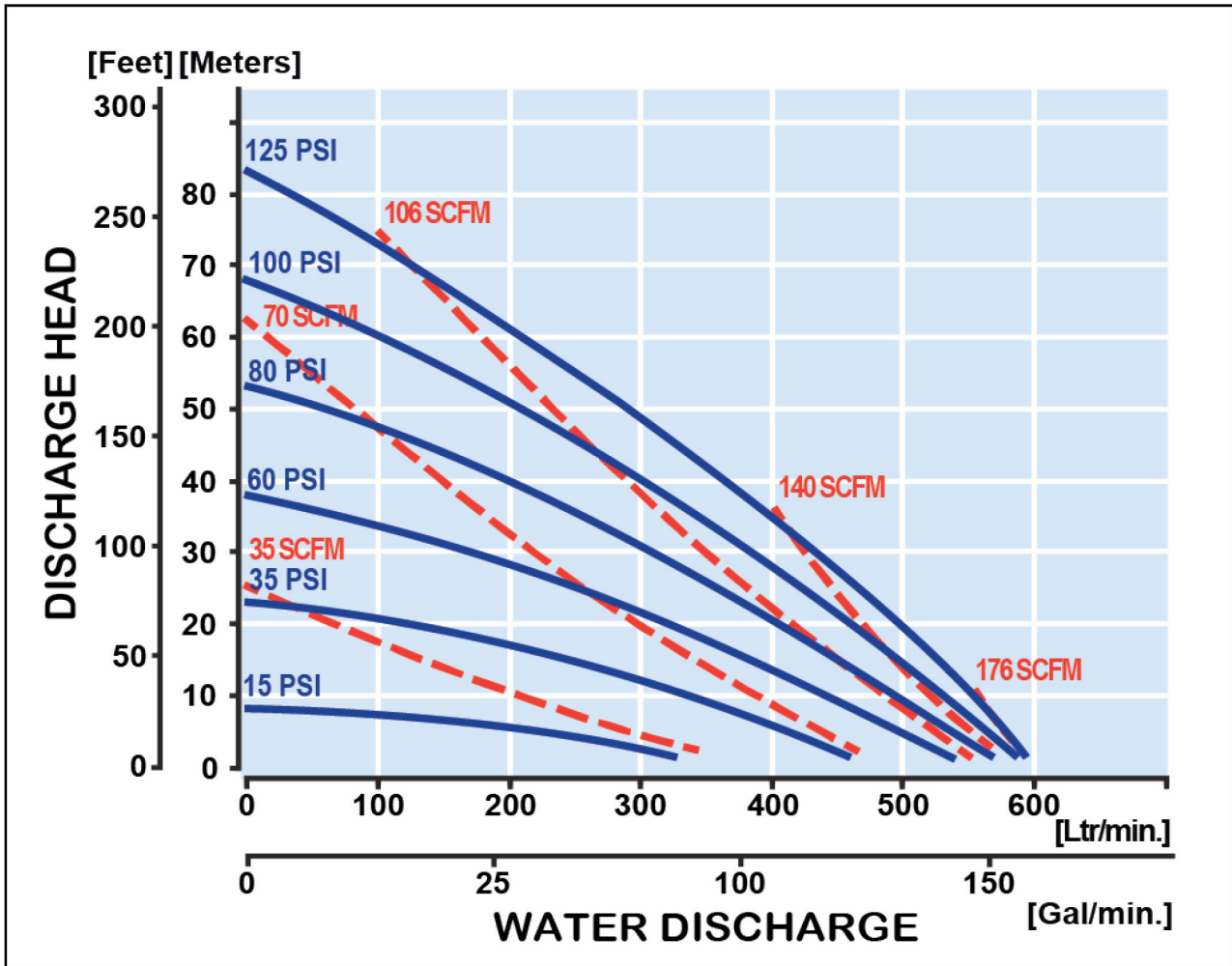


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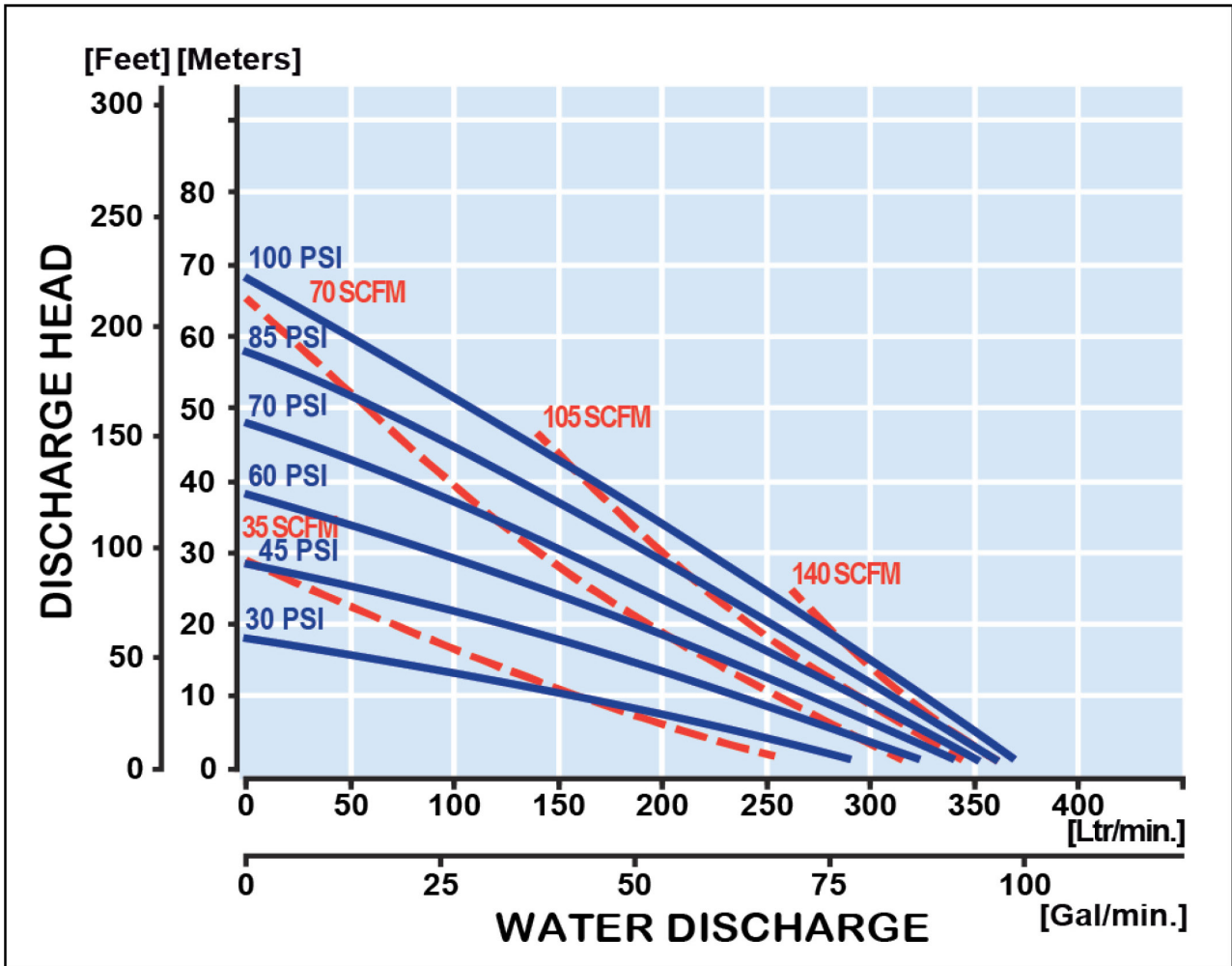
DP-80 Metal Performance Curve - Rubber

Rubber Diaphragm Performance Curve



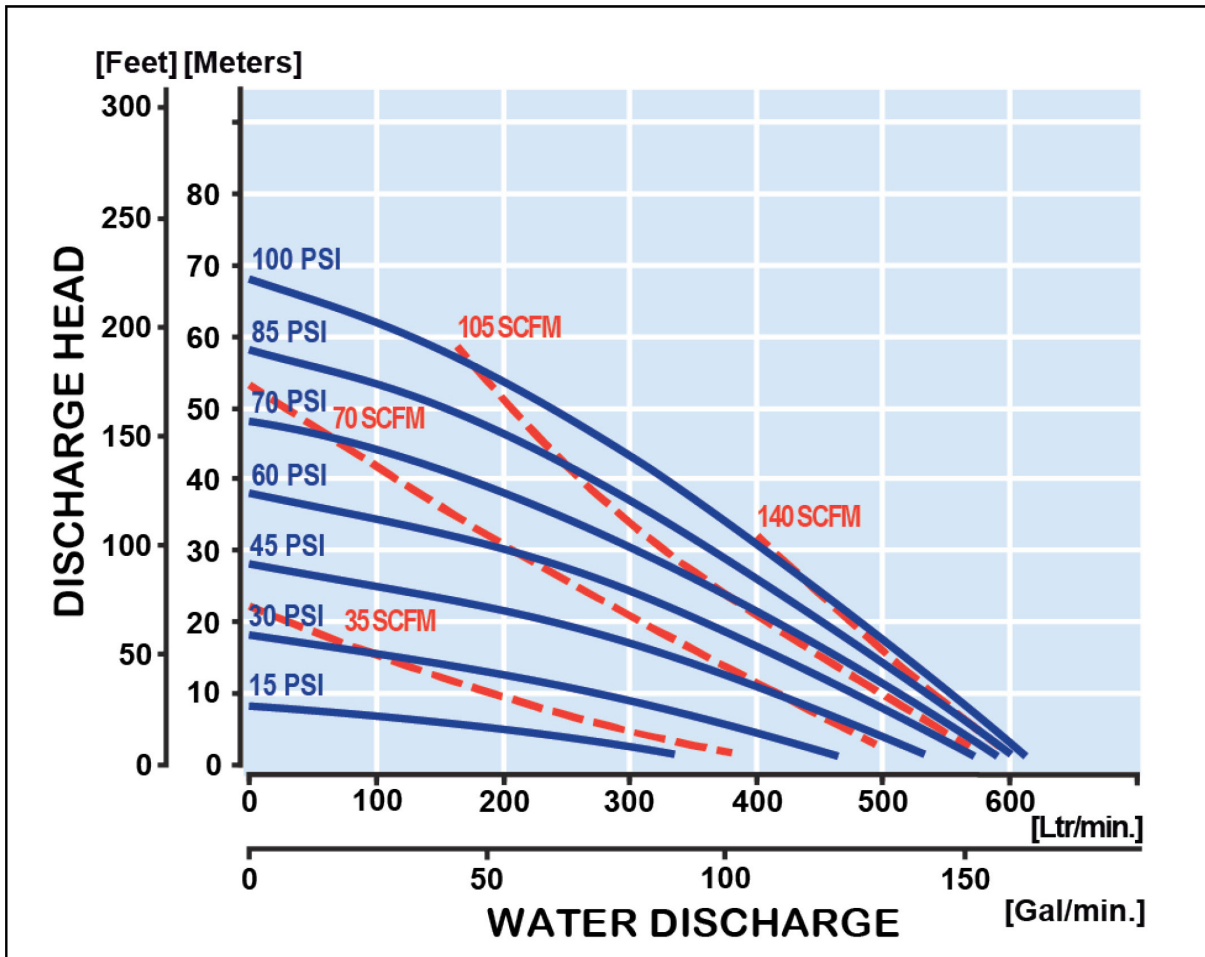
DP-80 Metal Performance Curve - PTFE

PTFE Diaphragm Performance Curve



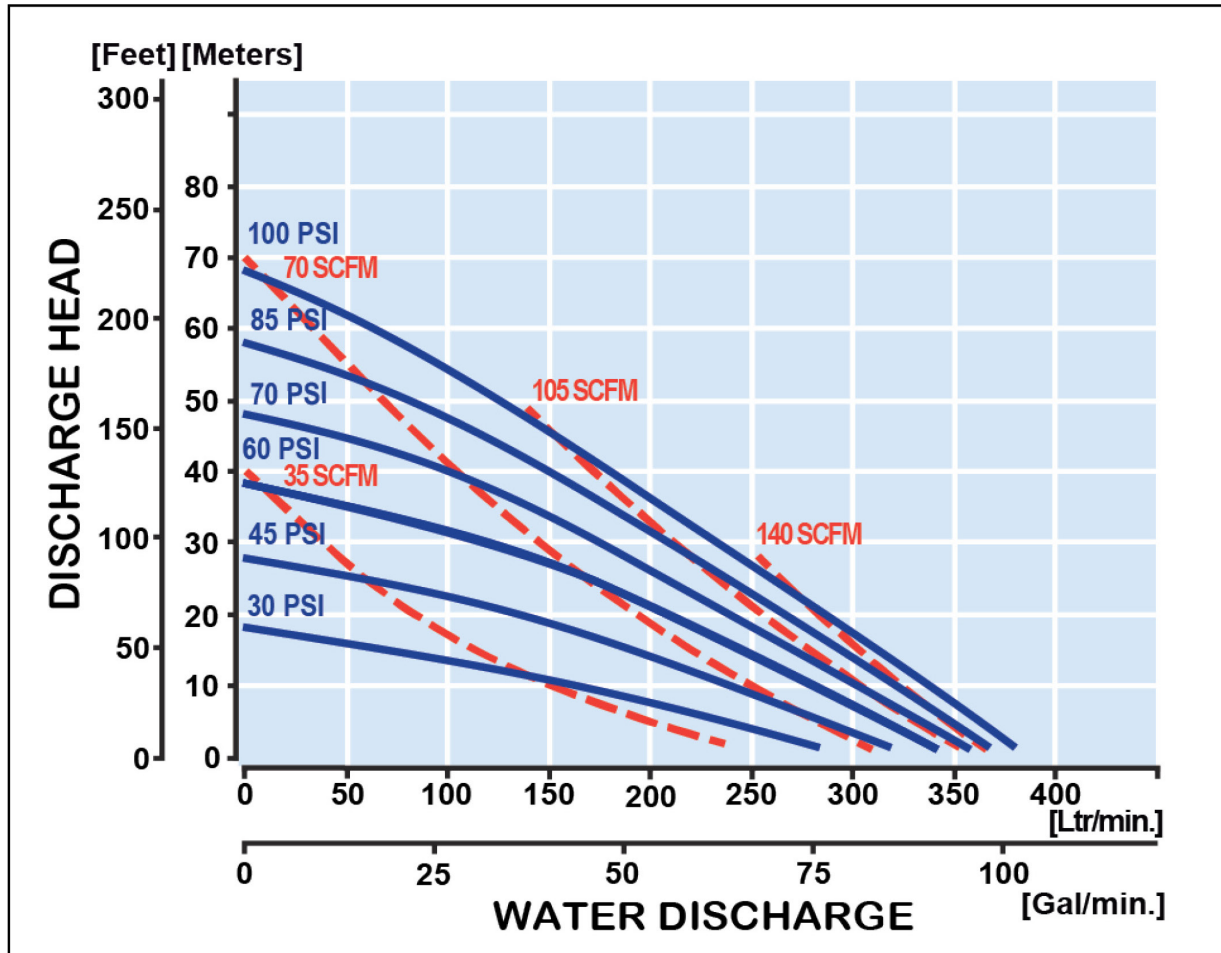
DP-80 Plastic Performance Curve - Rubber

Rubber Diaphragm Performance Curve

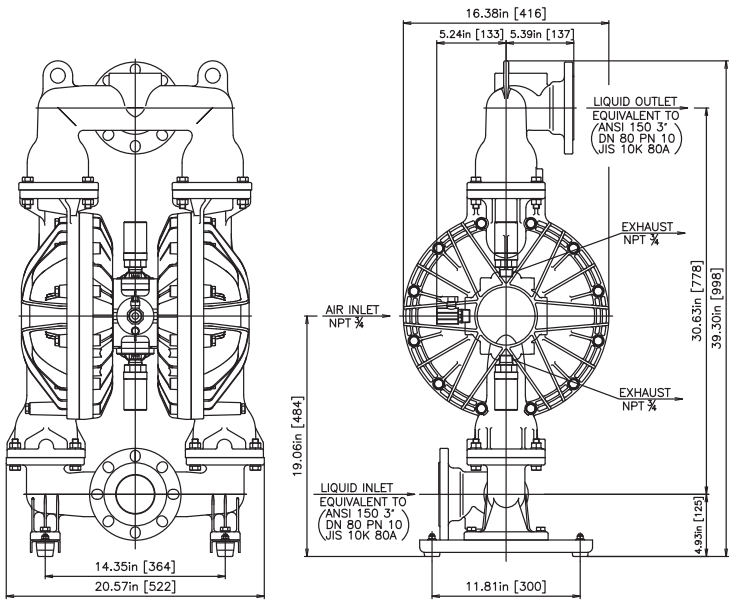


DP-80 Plastic Performance Curve - PTFE

PTFE Diaphragm Performance Curve



DP-80 Aluminum



REV	DATE	DESCRIPTION	APPR'D
THE DWG.OF:			
DP-80BA-HD			
SCALE		DRAWN BY	MK
DATE		APPROVED BY	PR
THIRD		DRAWING NUMBER:	
ANGPROJ.		DP-80BA-HD	
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			0

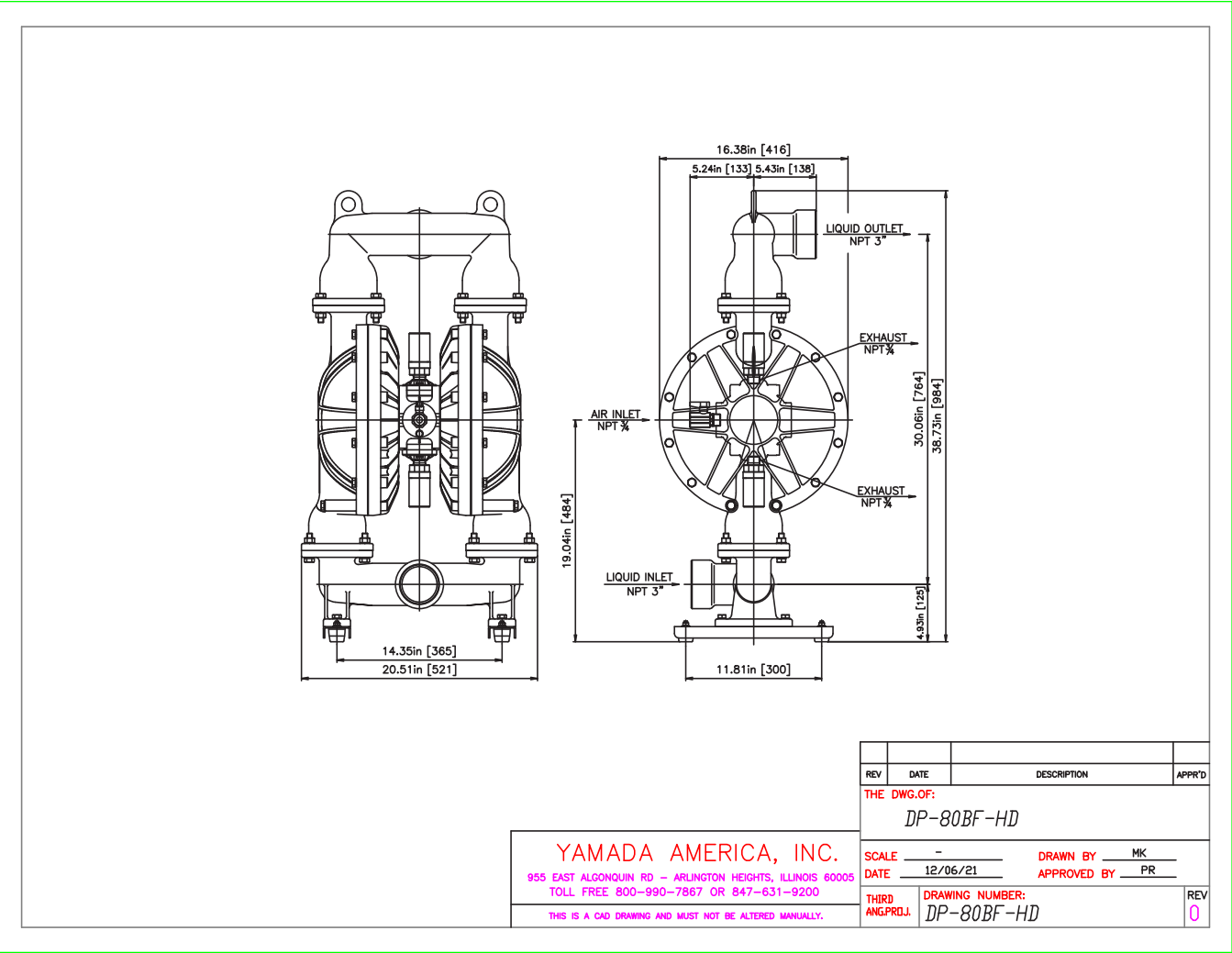
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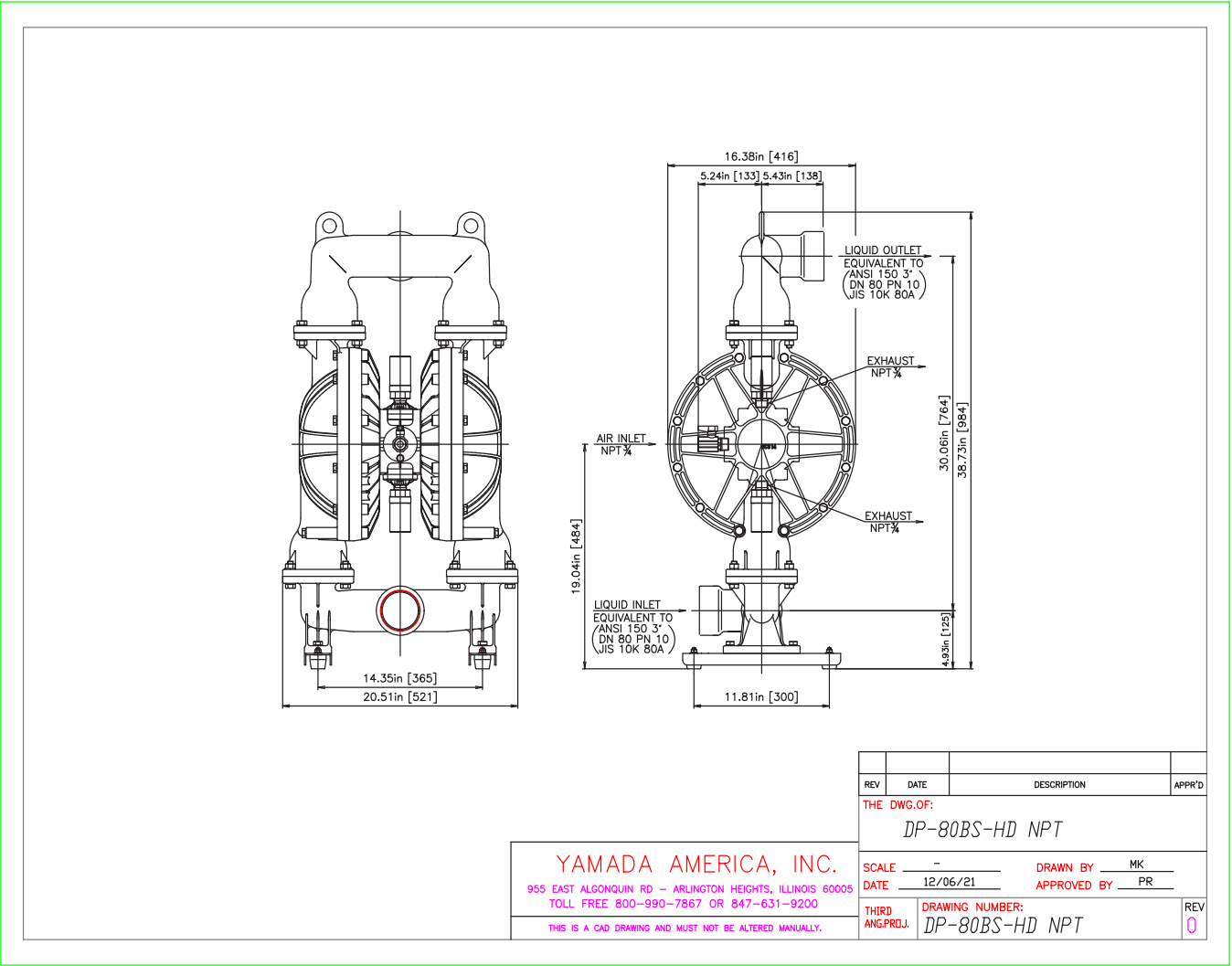
DP-80 Cast Iron



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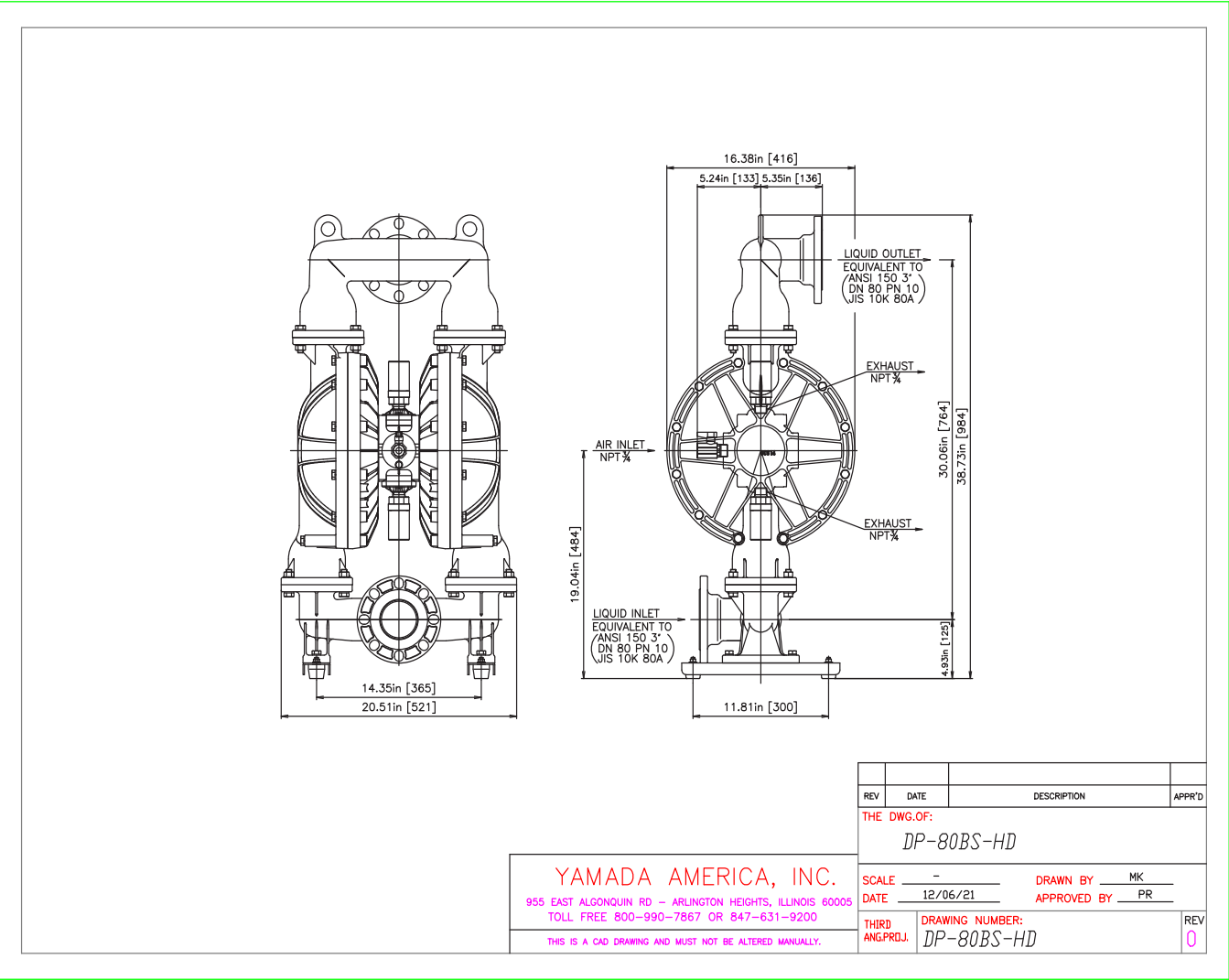
DP-80 Stainless Steel - NPT



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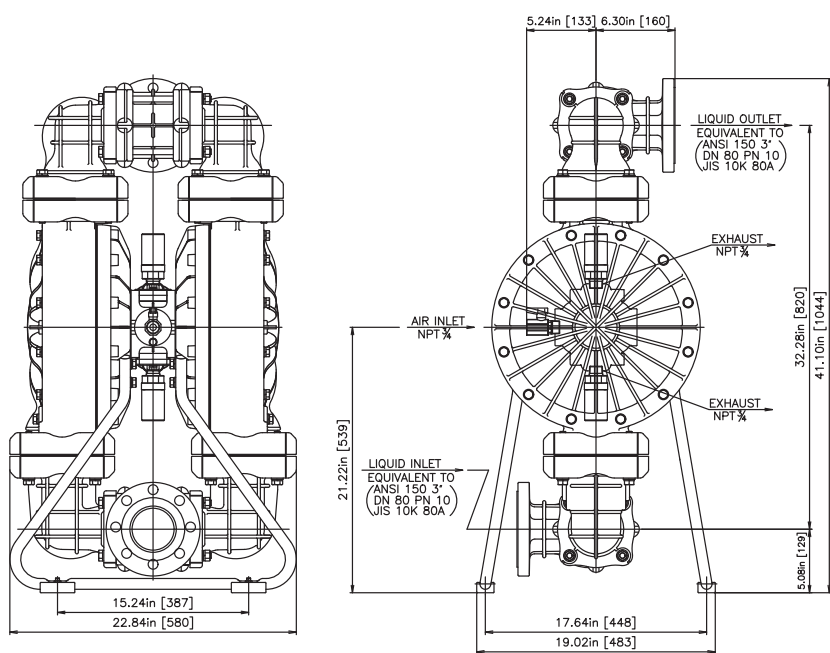
DP-80 Stainless Steel - FLG



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DP-80 Polypropylene



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SCALE: -		DRAWN BY: MK	
DATE: 12/06/21		APPROVED BY: PR	
THIRD ANG PROJ.	DRAWING NUMBER: DP-80BP-HD		REV: 0

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