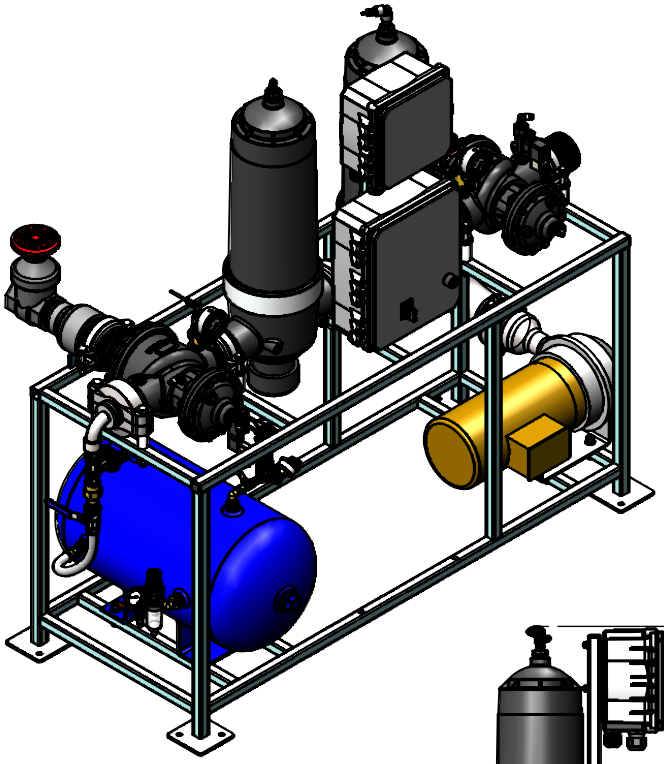
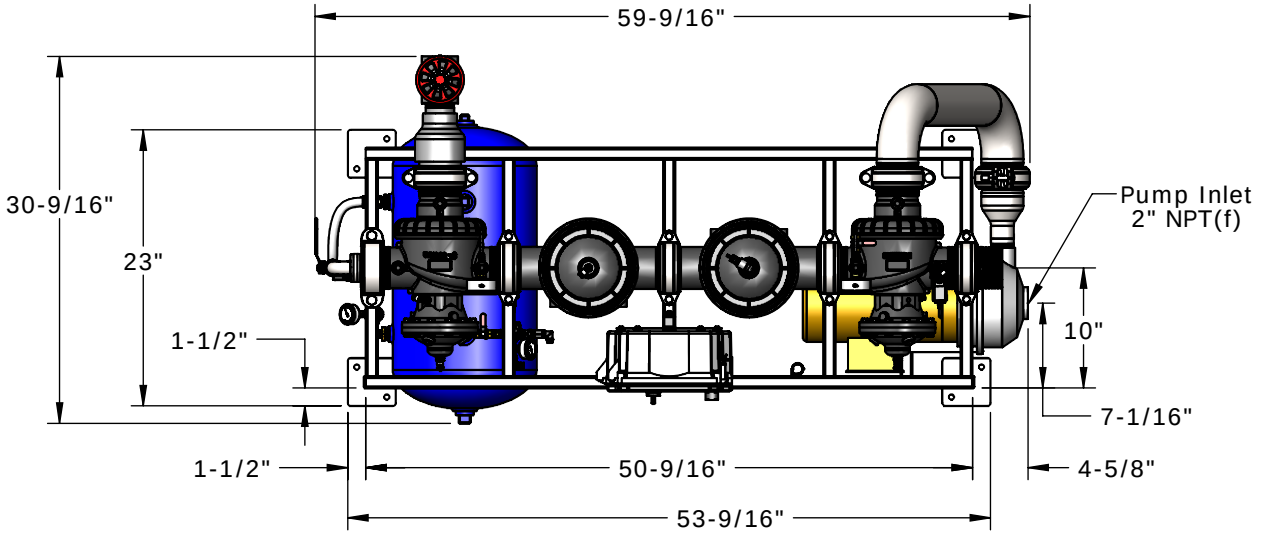
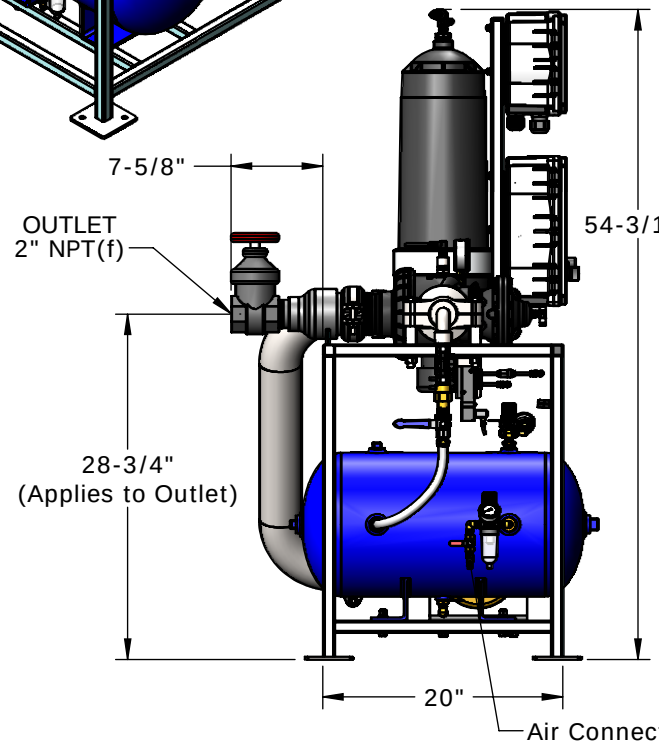
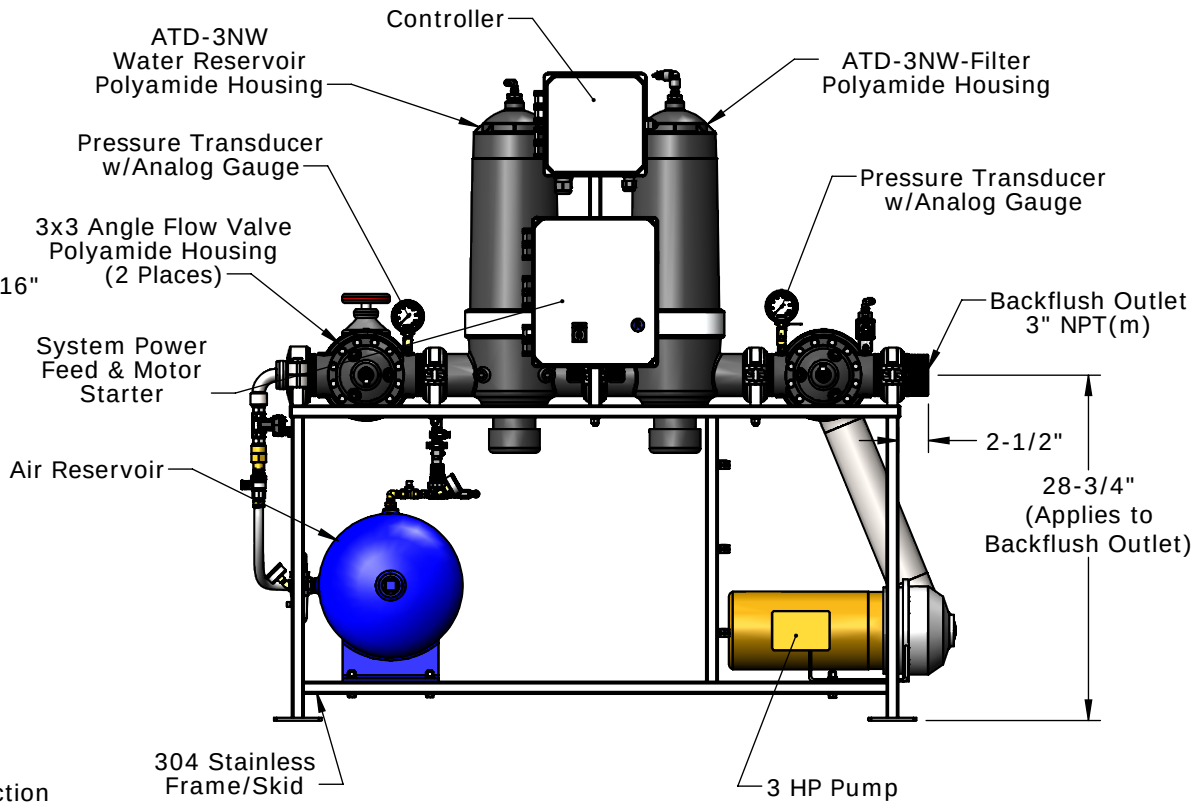








PRODUCT SPECIFICATION	DRAWN	L. Brannan	10/3/13
	CHECKED		
	ENG APPR.		
	MKT APPR.		
	SHEET 1 of 1	Ref: ML21717-02	Rev: F

MILLER LEAMAN INC
800 Orange Ave. Daytona Beach FL 32114

SYSTEM REQUIREMENTS:
Electrical: 460VAC/60Hz/3Ph/5A
Air Supply: 3CFM @ 90-110 PSI
NPSHr: 7.8 ft.
Volume: 9 gal.
Dry Weight: 290 lbs

TITLE:
Single Pod Air Assist Turbo-Disc Filter System
AA-ATD3(1)x3-xxxM-P130-A

GOULDS WATER TECHNOLOGY
a xylem brand

Customer	Date 13.08.2020
Contact	Project
Phone number	Project no.
Email	

Technical Data

3ST1H9D4

Operating data

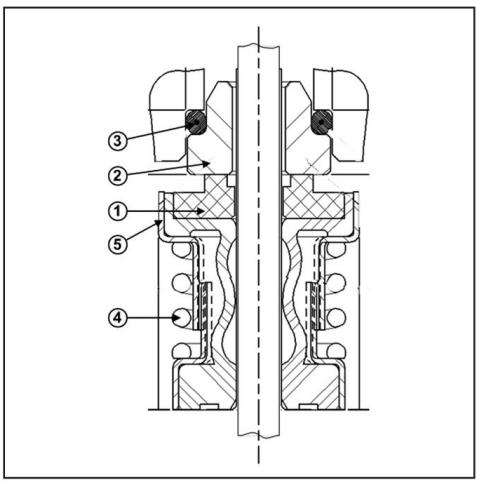
Pump type			End Suction Pumps	Fluid		Water
No. of pumps	/ Reserve		1 / 0	Operating temperature t A	°F	39.2
Nominal flow		US g.p.m.	99.99	pH-value at t A		7
Nominal head		ft	66.01	Density at t A	lb/ft³	62.4
Static head		ft	0	Kin. viscosity at t A	ft²/s	1.689E-5
Inlet pressure		psi	0	Vapor pressure at t A	psi	14.5
Environmental temperature		°F	68	Solids		0
Available system NPSH		ft	0	Altitude	ft	0

Pump data

Make	Goulds Water Technology				Nominal	US g.p.m.	103.8	(103.8)
Speed		rpm	3500	Flow	Max-	US g.p.m.	145	
No. of stages			1		Min-	US g.p.m.		
Max. casing pressure		psi			Nominal	ft	71.1	
Max. working pressure		psi	36	Head	at Qmax	ft	52.2	
Head H(Q=0)		ft	83		at Qmin	ft	83.1	
Weight		lb	On demand	Shaft power		hp	2.8	(2.8)
	Max.	inch	5 1/8	Max. shaft power		hp	3.3	
Impeller R	designed	inch	4 1/2	Efficiency		%	66.19	
	Min.	inch	3 5/8	NPSH 3%		ft	7.8	

Shaft Seal

Type 21 NPE	John Crane
NPE Mechanical Seal	
1 - Rotating Face	Carbon
2 - Stationary Face	Silicon Carbide
3 - Elastomers	Viton
4 - Metal Components	AISI 316 SS



Motor data

Manufacturer	Bluffton	Electric voltage	460 V	Speed	3500 rpm	Insulation class	B
Specific design	3ph TEFC Premium Efficiency			Frame size	56J	Colour	RAL 5010
Type	E09C32E5EB2G	Electric current	3.8 A				
Rated power	3 hp	Degree of protection	IP 55				

Remarks:

Customer	Date 13.08.2020
Contact	Project
Phone number	Project no.
Email	

3ST1H9D4

Pump Materials

100-Casing	AISI 316L SS
101-Impeller	AISI 316L SS
108-Motor adapter	AISI 316L SS
108A-Motor adapter seal vent/flush	AISI 316L SS
123-Deflector	BUNA-N
184-Seal housing	AISI 316L SS
184 A-Seal housing seal vent/flush	AISI 316L SS
347-Guidevane	AISI 316L SS
349-Seal ring, guidevane	Viton
370-Socket head screws, casing	AISI 410 SS
371-Bolts, motor	Plated Steel
408-Drain and vent plug, casing	AISI 316L SS
412B-O-ring, drain and vent plug	Viton
513-O-ring, casing	Viton
Motor-NEMA standard, 56J flange	-

Remarks:

GOULDS WATER TECHNOLOGY
a xylem brand

Customer	Date 13.08.2020
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Phone number	Project no.
Email	

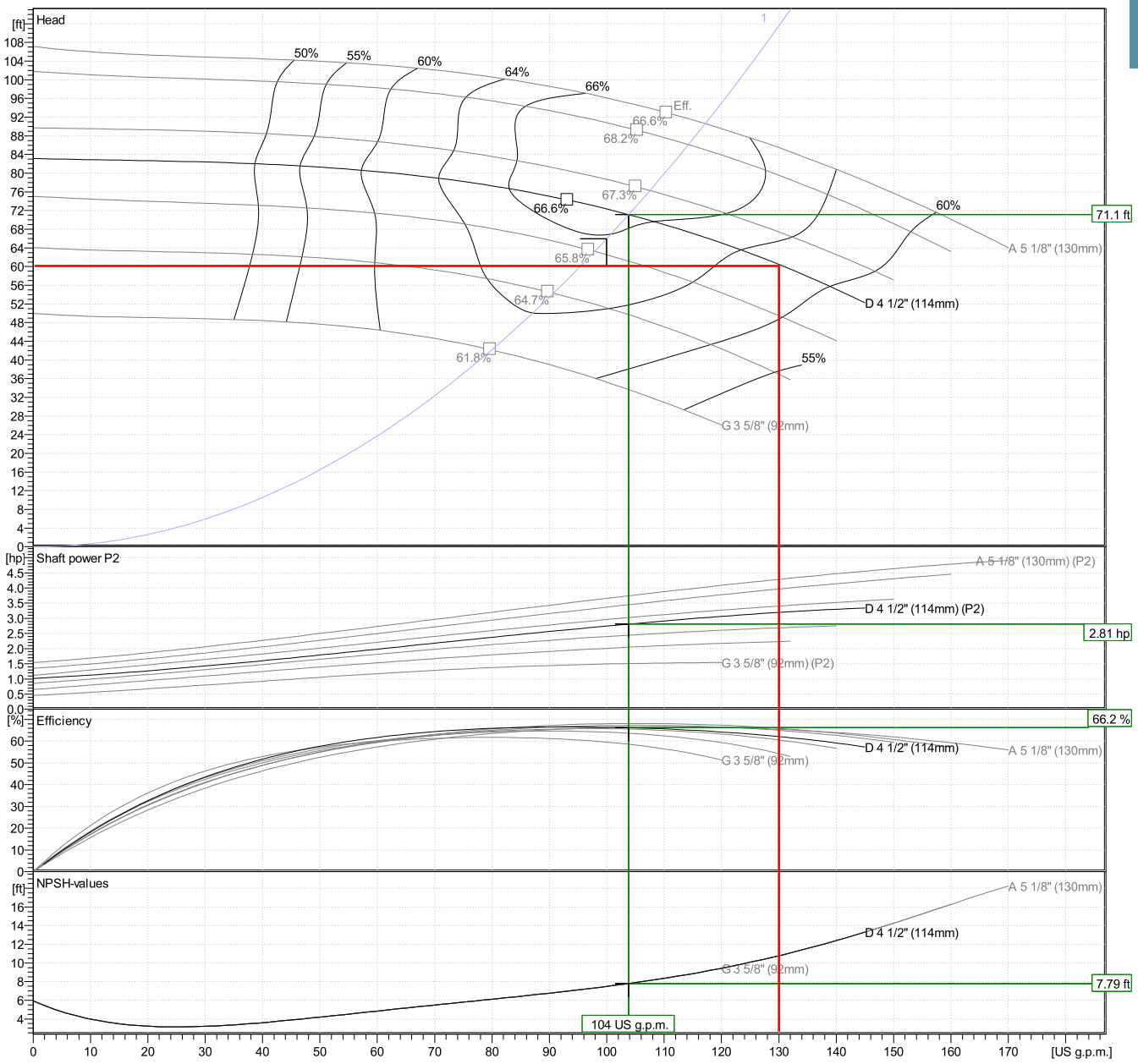
Tender Hydraulic

3ST1H9D4

Hydraulic Data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	100 US g.p.m.			Impeller R	4 1/2"
Head	66 ft	Flow	104 US g.p.m.	Frequency	60 Hz
Static head	0 ft	Head	71.1 ft	Speed	3500 rpm

Power data referred to:
Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s
Performance according to ANSI/HI 14.6 - Grade 2B



Customer	Date 13.08.2020
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Phone number	Project no.
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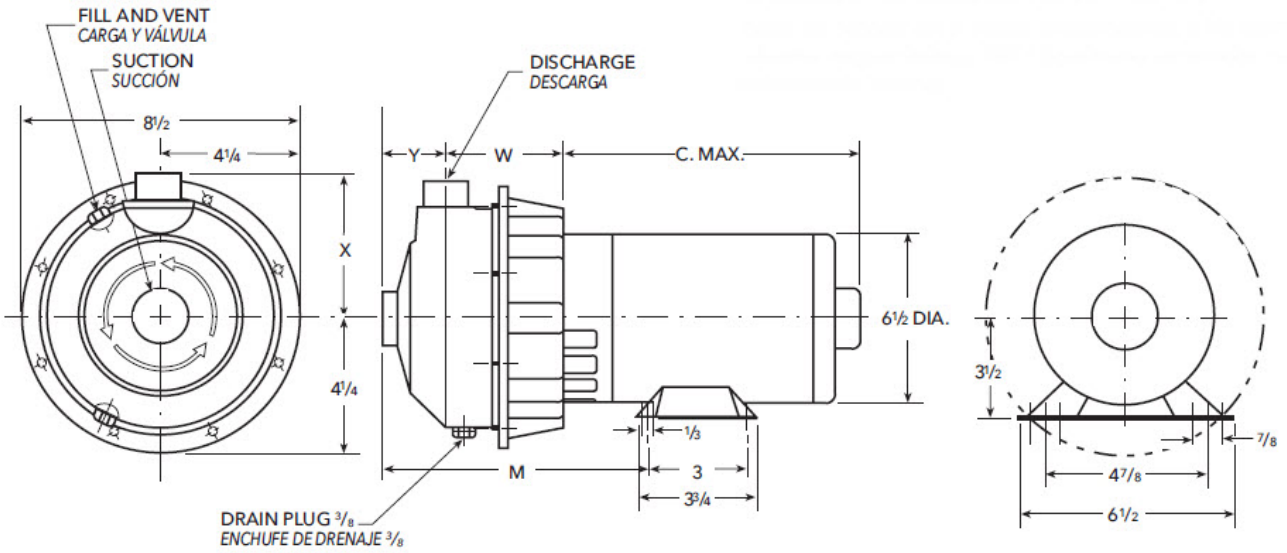
3ST1H9D4

Drawing



Dimensions inch

C Max	13 9/16					Weight
Discharge	1 1/2					On demand lb
M	7 7/8					
Suction	2					
W	3 3/4					
X	4 5/8					
Y	2 1/8					