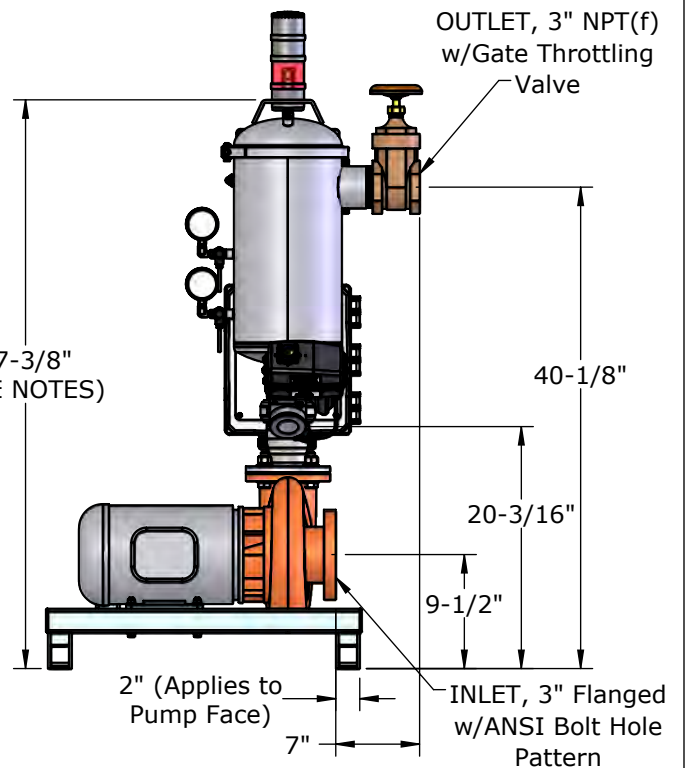
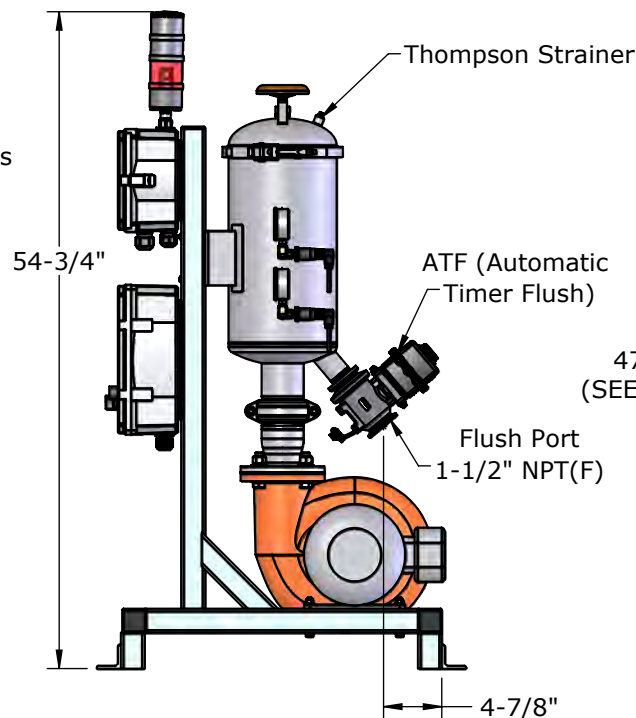
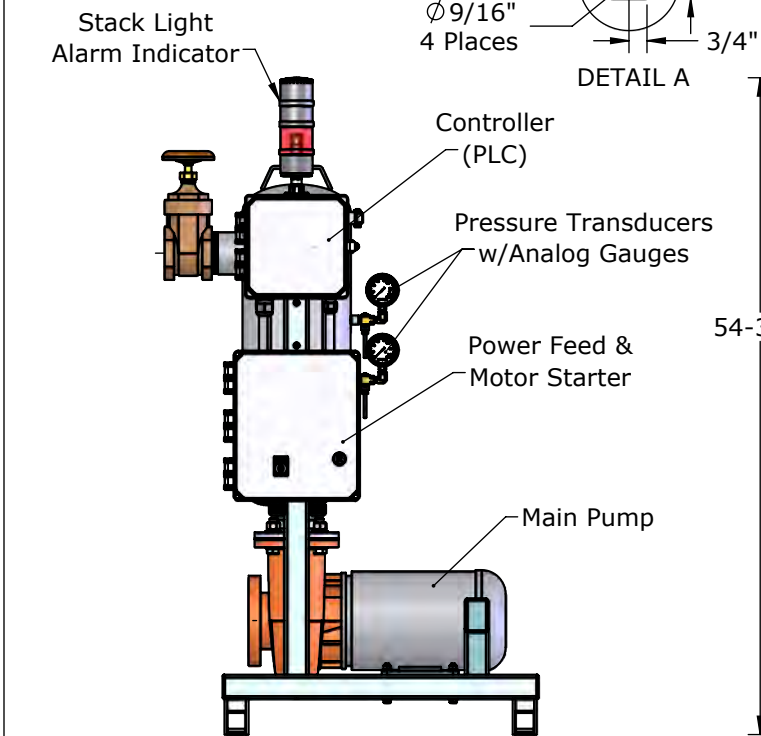


GENERAL SPECIFICATIONS	
DESIGN FLOW RANGE (GPM)	110~230
PUMP DISCHARGE RANGE (PSI)	29~25
MAX SYSTEM PRESSURE (PSI)	125
MAX SUPPLY PRESSURE (PSI)	95
FILTRATION AREA (SQ IN)	200
MAX TEMP (°F)	135
VOLUME (US GAL)	5
DRY WEIGHT (LBS)	189
MAIN PUMP	5 HP
ELECTRICAL: 460VAC/3Ph/60Hz/9A	

MATERIALS	
HOUSING / SCREEN FRAME	304SS
SCREEN	316SS
GASKETS	EPDM
ELBOW & RISER PIPE	304SS
SKID / FRAME	304SS
PUMP CASING	C.I.
CONICAL FILTER ELEMENT	
PERFORATED SCREEN	1/4"
MESH SCREEN	TBD
SCREEN HEIGHT (IN)	15.16

NOTES
CLEARANCE ABOVE STRAINER EQUAL TO SCREEN HEIGHT REQUIRED FOR SERVICE



PRODUCT SPECIFICATION

MILLER LEAMAN
800 Orange Avenue, Daytona Beach, FL 32114

Dimensions are for reference only.	
CUST. REF.	
PREV. MOD.	
ENG. REF.	ML21506
DWG. DATE	03/23/21
	SHEET 1 of 1

SERIES: THOMPSON	MODEL: PUMP SKID
CONFIGURATION: MLS-3 Skid System	

Pump Performance Datasheet

Customer	: MLS-3 Pump Skid	Quote number	:
Customer reference	:	Size	: B2-1/2ZPM
Item number	: Default	Stages	: 1
Service	:	Based on curve number	: 5020-CCMD
Quantity	: 1	Basic model number	: B2-1/2ZM-1800
		Date last saved	: 19 Mar 2021 2:16 PM

Operating Conditions		Liquid	
Flow, rated	: 230.0 (110.0) USgpm	Liquid type	: --Water
Differential head / pressure, rated (requested)	: 56.95 (67.12) ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 56.95 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 psi.g	Solids concentration, by volume	: 0.00 %
NPSH available, rated	: Ample	Temperature, max	: 68.00 deg F
Site Supply Frequency	: 60 Hz	Fluid density, rated / max	: 1.000 / 1.000 SG
		Viscosity, rated	: 1.00 cP
		Vapor pressure, rated	: 0.00 psi.a

Performance		Material	
Speed criteria	: Synchronous	Material selected	: Not specified
Speed, rated	: 1740 rpm		
Impeller diameter, rated	: 8.06 in	Pressure Data	
Impeller diameter, maximum	: 9.00 in	Maximum working pressure	: 29.20 psi.g
Impeller diameter, minimum	: 6.58 in	Maximum allowable working pressure	: 215.0 psi.g
Efficiency	: 75.82 (65.00) %	Maximum allowable suction pressure	: N/A
PEI (CL)	: 0.91	Hydrostatic test pressure	: N/A
NPSH required / margin required	: 10.19 (9.72) / 0.00 ft	Driver & Power Data (@Max density)	
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,155 / 4,355 US Units	Driver sizing specification	: Rated power
MCSF	: 82.59 USgpm	Margin over specification	: 0.00 %
Head, maximum, rated diameter	: 67.45 ft	Service factor	: 1.00
Head rise to shutoff	: 13.91 (-3.36) %	Power, hydraulic	: 3.31 (1.86) hp
Flow, best eff. point	: 222.8 USgpm	Power, rated	: 4.36 (2.87) hp
Flow ratio, rated / BEP	: 103.24 (49.38) %	Power, maximum, rated diameter	: 4.69 hp
Diameter ratio (rated / max)	: 89.58 %	Minimum recommended motor rating	: 5.00 hp / 3.73 kW
Head ratio (rated dia / max dia)	: 71.64 %		
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		

