



PRODUCT SPECIFICATION

MILLER LEAMAN INC

800 Orange Ave. Daytona Beach FL 32114

DRAWN	L. Brannan	5/17/21
CHECKED		
ENG APPR.		
MKT APPR.		
SHEET 1 of 1	Ref: ML21063-8D-MOD8	Rev: B

SYSTEM REQUIREMENTS:

Electrical: 460VAC/3Ph/60Hz/33Amps
 Air Supply: 4CFM@80 to 100 PSI
 Water Supply @ Inlet: 10-25 PSI
 Dry Weight: 1775lbs
 Volume: 78 Gal.

TITLE:

Automatic Turbo Disc Filter Skid System
 B2-ATD3(8)x8-130M-P850-A-MOD8

Pump Performance Datasheet

Customer :	Quote number :
Customer reference :	Size : B5ZPBH
Item number : Default	Stages : 1
Service :	Based on curve number : 5x6x9.5BH-CCMD
Quantity : 1	Basic model number : B5ZBH
	Date last saved : 22 Sep 2021 3:13 PM

Operating Conditions		Liquid	
Flow, rated	: 850.0 USgpm	Liquid type	: --Water
Differential head / pressure, rated (requested)	: 74.29 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 74.29 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	: 1750 rpm		
Impeller diameter, rated	: 9.06 in	Pressure Data	
Impeller diameter, maximum	: 9.50 in	Maximum working pressure	: 35.78 psi.g
Impeller diameter, minimum	: 7.13 in	Maximum allowable working pressure	: 175.0 psi.g
Efficiency	: 80.33 %	Maximum allowable suction pressure	: N/A
PEI (CL)	: 0.96	Hydrostatic test pressure	: N/A
NPSH required / margin required	: 15.00 / 0.00 ft	Driver & Power Data (@Max density)	
Ns (imp. eye flow) / Nss (imp. eye flow)	: 2,364 / 6,825 US Units	Driver sizing specification	: Rated power
MCSF	: 460.4 USgpm	Margin over specification	: 0.00 %
Head, maximum, rated diameter	: 82.64 ft	Service factor	: 1.15 (used)
Head rise to shutoff	: 9.94 %	Power, hydraulic	: 15.92 hp
Flow, best eff. point	: 1,088.4 USgpm	Power, rated	: 19.81 hp
Flow ratio, rated / BEP	: 78.09 %	Power, maximum, rated diameter	: 23.33 hp
Diameter ratio (rated / max)	: 95.39 %	Minimum recommended motor rating	: 20.00 hp / 14.91 kW
Head ratio (rated dia / max dia)	: 86.09 %		
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		

