Pump Data Sheet - Patterson HVAC Pumps

Company: Intermountain Hydror Name: Cache County Mountain Crest

Date: 09/24/2018

Tags: P-7 1800RPM Premium Efficient Motor 460/3/60 Pump and Motor Weight: 134lbs

REVIEWED

Reviewed only as to the general conformity with the design concept. The Engineer dose not warrant or represent that the information contained on this drawing is either accurate or complete. Sole responsibility for correct design, details and dimensions that ternam with the contractor submitting the contractor submitting the contractor submitting the contractor control on the contractor submitting the contractor control on the contractor submitting the control of the contr



Pump:

Model: V1.5A7A-CC Dimensions: Suction: 1.5 in Type: VIL Discharge: 1.5 in

Synch Speed: 1800 rpm Dia: 5.875 in

 Size:
 1.5x1.5x7.25

 Impeller:
 D05-90063

 Specific Speeds: Ns:
 838

Nss: 1879

Search Criteria:

Flow: 39 US gpm Near Miss: ---Head: 29 ft Static Head: 0 ft Fluid:

Name: Water

SG: 1 Vapor Pressure: 0.256 psi a
Density: 62.4 lb/ft³ Atm Pressure: 14.7 psi a

Viscosity: 1.1 cP Temperature: 60 °F

Pump Limits:

Temperature: --- Sphere Size: ---

Wkg Pressure: ---

Motor:

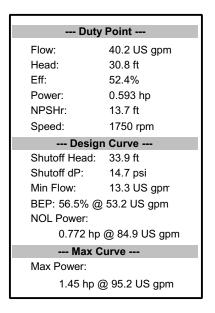
Standard: NEMA Size: 1 hp
Enclosure: ODP Speed: 1800 rpm

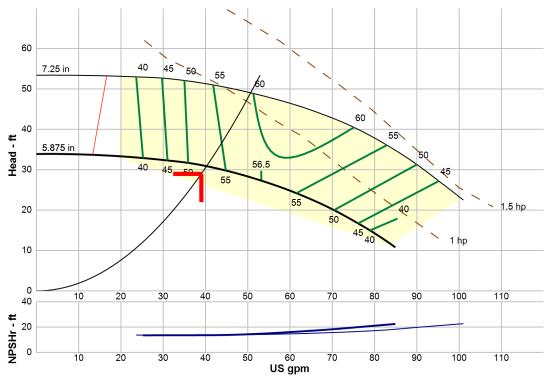
Frame: See Chart

Sizing Criteria: Max Power on Design Curve

Pump Selection Warnings:

None





Refer to Working Pressure vs. Temperature chart for maximum rated working pressure. All data are subject to change. Consult factory for certified data.

Performance Evaluation:

Flow	Speed	Head	Efficiency	Power	NPSHr		
US gpm	rpm	ft	%	hp	ft		
46.8	1750	29.2	55.4	0.622	14		
39	1750	31	51.7	0.588	13.7		
31.2	1750	32.3	45.2	0.563	13.6		
23.4	1750	33	38.4	0.512	13.5		
15.6	1750	33.3	31.7	0.46	13.5		



VIL VERTICAL INLINE PUMPS OUTLINE DIMENSIONS, TYPE CS, 1800 RPM

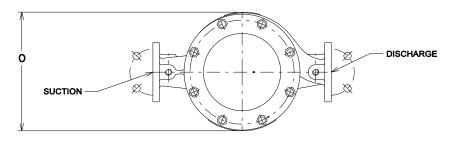
 SECTION
 3.0

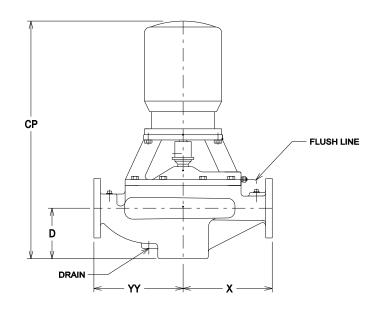
 PAGE
 5

 DATE:
 MAR 1, 2009

NOTE: ALL DATA SUBJECT TO CHANGE. CONTACT FACTORY FOR CERTIFIED DATA.

NOTE: 1/4" NPT SUCTION & DISCHARGE GAUGE TAP CONNECTIONS





ALL DIMENSIONS ARE IN INCHES

MODEL	DISCH SIZE	SUCT SIZE	DISCHARGE FLANGE DRILLING		SUCTION FLANGE	* WORKING PRESSURE	MOTOR FRAMES	MOTOR H.P.	СР	D	o	x	YY
			STD	ОРТ	DRILLING								
V1.5A7A-CS	1.5	1.5	125#	X	125#	175	56C	.75	20 1/8	4 1/4	10	7 1/2	7 1/2