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Pump Performance Datasheet

Customer :	Quote number :
Customer reference :	Size : 3 x 4 x 9 M (B3ZPM)
Item number :	Stages : 1
Service :	Based on curve number : 5021
Quantity : 1	Date last saved : 12 Mar 2012 2:46 PM

Operating Conditions		Liquid	
Flow, rated	: 400.0 USgpm	Liquid type	: --Water
Differential head / pressure, rated (requested)	: 56.00 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 55.77 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
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	
Speed, rated	: 1,750 rpm
Impeller diameter, rated	: 7.88 in
Impeller diameter, maximum	: 9.00 in
Impeller diameter, minimum	: 6.06 in
Efficiency	: 82.29 %
NPSH required / margin required	: 9.55 / 0.00 ft
nq (imp. eye flow) / S (imp. eye flow)	: 27 / 117 Metric units
MCSF	: 159.5 USgpm
Head, maximum, rated diameter	: 66.87 ft
Head rise to shutoff	: 19.42 %
Flow, best eff. point (BEP)	: 386.0 USgpm
Flow ratio (rated / BEP)	: 103.63 %
Diameter ratio (rated / max)	: 87.50 %
Head ratio (rated dia / max dia)	: 67.91 %
Cq/Ch/Ce [ANSI/HI 9.6.7-2004]	: 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Material	
Material selected	: Not specified
Pressure Data	
Maximum working pressure	: 28.95 psi.g
Maximum allowable working pressure	: 215.0 psi.g
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: N/A
Driver & Power Data	
Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 5.66 hp
Power, rated	: 6.87 hp
Power, maximum, rated diameter	: 8.22 hp
Minimum recommended motor rating	: 7.50 hp / 5.59 kW

