

Pump Performance Datasheet

Customer :	Quote number :
Customer reference :	Size : 2 x 2-1/2 x 9 L (B2ZPL)
Item number : Default	Stages : 1
Service :	Based on curve number : 8553
Quantity : 1	Date last saved : 25 May 2018 2:52 PM

Operating Conditions		Liquid	
Flow, rated	: 80.00 USgpm	Liquid type	: --Water
Differential head / pressure, rated (requested)	: 200.0 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 198.7 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		Material	
Speed, rated	: 3500 rpm	Material selected	: Not specified
Impeller diameter, rated	: 7.56 in		
Impeller diameter, maximum	: 9.00 in	Pressure Data	
Impeller diameter, minimum	: 7.56 in	Maximum working pressure	: 90.17 psi.g
Efficiency	: 47.28 %	Maximum allowable working pressure	: 250.0 psi.g
NPSH required / margin required	: - / 0.00 ft	Maximum allowable suction pressure	: N/A
Ns (imp. eye flow) / Nss (imp. eye flow)	: 873 / 7,443 US Units	Hydrostatic test pressure	: N/A
MCSF	: 79.27 USgpm	Driver & Power Data (@Max density)	
Head, maximum, rated diameter	: 208.3 ft	Driver sizing specification	: Rated power
Head rise to shutoff	: 3.66 %	Margin over specification	: 0.00 %
Flow, best eff. point	: 176.7 USgpm	Service factor	: 1.00
Flow ratio, rated / BEP	: 45.26 %	Power, hydraulic	: 4.04 hp
Diameter ratio (rated / max)	: 84.03 %	Power, rated	: 8.55 hp
Head ratio (rated dia / max dia)	: 65.29 %	Power, maximum, rated diameter	: 11.53 hp
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00	Minimum recommended motor rating	: 10.00 hp / 7.46 kW
Selection status	: Acceptable		

