

Pump Performance Datasheet

Customer :	Quote number :
Customer reference :	Size : 3 x 3 x 6 (B3TPKS) - 15 HP (Self-prime)
Item number : Default	Stages : 1
Service :	Based on curve number : 6000
Quantity : 1	Basic model number : -
	Date last saved : 18 May 2020 4:19 PM

Operating Conditions		Liquid	
Flow, rated	: 287.0 USgpm	Liquid type	: --Water
Differential head / pressure, rated (requested)	: 147.7 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 147.7 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	: 3450 rpm	Material selected	: Not specified
Impeller diameter, rated	: 6.59 in	Pressure Data	
Impeller diameter, maximum	: 6.59 in	Maximum working pressure	: 76.73 psi.g
Impeller diameter, minimum	: 6.59 in	Maximum allowable working pressure	: 80.00 psi.g
Efficiency	: 64.29 %	Maximum allowable suction pressure	: N/A
PEI (CL)	: -	Hydrostatic test pressure	: N/A
NPSH required / margin required	: 20.02 / 0.00 ft	Driver & Power Data (@Max density)	
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,379 / 6,175 US Units	Driver sizing specification	: Rated power
MCSF	: 106.1 USgpm	Margin over specification	: 0.00 %
Head, maximum, rated diameter	: 177.3 ft	Service factor	: 1.15 (used)
Head rise to shutoff	: 19.99 %	Power, hydraulic	: 10.71 hp
Flow, best eff. point	: 286.8 USgpm	Power, rated	: 16.65 hp
Flow ratio, rated / BEP	: 100.06 %	Power, maximum, rated diameter	: 17.87 hp
Diameter ratio (rated / max)	: 100.00 %	Minimum recommended motor rating	: 15.00 hp / 11.19 kW (Fixed)
Head ratio (rated dia / max dia)	: 100.00 %		
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		

