

Pump Performance Datasheet

Customer :	Quote number :
Customer reference :	Size : 3 x 3 x 6 (B3TPKS) - 1.5 HP (Self- prime)
Item number : Default	Stages : 1
Service :	Based on curve number : 6079 (1.5 HP)
Quantity : 1	Date last saved : 16 Jan 2019 9:59 AM

Operating Conditions		Liquid	
Flow, rated	: 118.3 USgpm	Liquid type	: --Water
Differential head / pressure, rated (requested)	: 31.66 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 31.66 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	: 1740 rpm	Material selected	: Not specified
Impeller diameter, rated	: 6.59 in		
Impeller diameter, maximum	: 6.59 in	Pressure Data	
Impeller diameter, minimum	: 6.59 in	Maximum working pressure	: 18.17 psi.g
Efficiency	: 61.54 %	Maximum allowable working pressure	: 80.00 psi.g
NPSH required / margin required	: 9.84 / 0.00 ft	Maximum allowable suction pressure	: N/A
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,419 / 3,406 US Units	Hydrostatic test pressure	: N/A
MCSF	: 47.17 USgpm	Driver & Power Data (@Max density)	
Head, maximum, rated diameter	: 41.97 ft	Driver sizing specification	: Rated power
Head rise to shutoff	: 32.58 %	Margin over specification	: 0.00 %
Flow, best eff. point	: 118.3 USgpm	Service factor	: 1.15 (used)
Flow ratio, rated / BEP	: 100.00 %	Power, hydraulic	: 0.95 hp
Diameter ratio (rated / max)	: 100.00 %	Power, rated	: 1.54 hp
Head ratio (rated dia / max dia)	: 100.00 %	Power, maximum, rated diameter	: 1.77 hp
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00	Minimum recommended motor rating	: 1.50 hp / 1.12 kW (Fixed)
Selection status	: Acceptable		

