



DF C 81 7H'GD97 =: =75H=CB

**O KNIGHT' NGCO CP** HP E

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7<97? 98		
9B; '5DDF"		
A?H'5DDF"		
G<99H'cZ%FYZ A @&\$*' !%&8!A C8)	FYj .!!	

**GMGH9A F9E I =F 9A 9BHG.**  
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 5]f' 7ca d. %&\$J 57#%D\# \$<n#%(\ 5  
 5i hc' 8fU]b. %&\$J 57#%D\# \$<n#) 5  
 5]f' Gi dd'm (7: A 4, / hc' %\$ \$ DG=  
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 8fmK Y] [\ h & (\* - `Vg# J c' i a Y. '%& [ U"

H-H@9.  
 5i hca Uh]WHi fVc' 8]gW  
 : ]HYf 'G\_ ]X' GmghYa  
 6&! 5H8' f&e] , ! ! ! ! A ! D%&\$ \$ ! 57! A C 8)

**Pump Performance Datasheet**

Customer :	Quote number :
Customer reference :	Size : 5 x 6 x 9.5 BH (B5ZPBH)
Item number : Default	Stages : 1
Service :	Based on curve number : 5x6x9.5BH
Quantity : 1	Date last saved : 27 Jun 2019 5:10 PM

Operating Conditions		Liquid	
Flow, rated	: 1,200.0 USgpm	Liquid type	: --Water
Differential head / pressure, rated (requested)	: 70.00 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 69.70 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	: 1750 rpm	Material selected	: Not specified
Impeller diameter, rated	: 9.38 in		
Impeller diameter, maximum	: 9.50 in	Pressure Data	
Impeller diameter, minimum	: 7.13 in	Maximum working pressure	: 36.79 psi.g
Efficiency	: 84.56 %	Maximum allowable working pressure	: - psi.g
NPSH required / margin required	: 11.25 / 0.00 ft	Maximum allowable suction pressure	: N/A
Ns (imp. eye flow) / Nss (imp. eye flow)	: 2,456 / 9,929 US Units	Hydrostatic test pressure	: N/A
MCSF	: 472.6 USgpm	Driver & Power Data (@Max density)	
Head, maximum, rated diameter	: 84.98 ft	Driver sizing specification	: Rated power
Head rise to shutoff	: 20.83 %	Margin over specification	: 0.00 %
Flow, best eff. point	: 1,196.3 USgpm	Service factor	: 1.00
Flow ratio, rated / BEP	: 100.31 %	Power, hydraulic	: 21.20 hp
Diameter ratio (rated / max)	: 98.68 %	Power, rated	: 25.08 hp
Head ratio (rated dia / max dia)	: 95.86 %	Power, maximum, rated diameter	: 26.47 hp
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00	Minimum recommended motor rating	: 30.00 hp / 22.37 kW
Selection status	: Acceptable		

