



DFC81 7H'GD97= =75H-CB	8F5K B 7<97? 98	@' 6fUbbUb ' #%) #&&	GMGH9A F9E1 =F9A 9BHG# 'GD97G. 9'YVf]W: (' \$J57# : DVUgY# \$<n#) 5 5]f'7ca dFYggcf. %&&\$J57#%DVUgY# \$<n#) 5 5]f'7ca dFYggcf. %&&\$J57#%DVUgY# \$<n#) 5 8Yg]l' b' : 'ck' : f') \$: DA BDG<f' : %\$' : & Zh 8fmK Y]l' 'h' %(\$+Vg J'c'a Y. &% : U''	H-H@9. 5i hca Uh]WH fvc!8]gW :]hYf'G_XGmghYa 6%5HB' f't! *!% \$A ID*) \$!57!J &A C 8'
O KNIGHT' 'NGCO CP	9B: '5DDF" A?H'5DDF" G\Yyh%cz%FYZ A@&&\$! *8H!A C8' FYj .5			

Pump Performance Datasheet

Customer :	Quote number :
Customer reference :	Size : B4ZPBH
Item number : Default	Stages : 1
Service :	Based on curve number : 4x5x9.5BH-CCMD
Quantity : 1	Basic model number : B4ZBH
	Date last saved : 14 Mar 2022 8:56 AM

Operating Conditions		Liquid	
Flow, rated	: 650.0 USgpm	Liquid type	: --Water
Differential head / pressure, rated (requested)	: 72.30 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 72.30 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
Site Supply Frequency	: 60 Hz	Fluid density, rated / max	: 1.000 / 1.000 SG

Performance		Material	
Speed criteria	: Synchronous	Material selected	: Not specified
Speed, rated	: 1750 rpm		
Impeller diameter, rated	: 9.19 in		
Impeller diameter, maximum	: 9.50 in		
Impeller diameter, minimum	: 7.50 in		

Performance		Pressure Data	
Efficiency	: 81.14 %	Maximum working pressure	: 37.82 psi.g
PEI (CL)	: 0.96	Maximum allowable working pressure	: 175.0 psi.g
NPSH required / margin required	: 10.82 / 0.00 ft	Maximum allowable suction pressure	: N/A
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,993 / 7,196 US Units	Hydrostatic test pressure	: N/A
MCSF	: 297.5 USgpm		

Performance		Driver & Power Data (@Max density)	
Head, maximum, rated diameter	: 87.36 ft	Driver sizing specification	: Rated power
Head rise to shutoff	: 20.80 %	Margin over specification	: 0.00 %
Flow, best eff. point	: 742.3 USgpm	Service factor	: 1.00
Flow ratio, rated / BEP	: 87.57 %	Power, hydraulic	: 11.87 hp
Diameter ratio (rated / max)	: 96.71 %	Power, rated	: 14.63 hp
Head ratio (rated dia / max dia)	: 91.76 %	Power, maximum, rated diameter	: 16.43 hp
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00	Minimum recommended motor rating	: 15.00 hp / 11.19 kW
Selection status	: Acceptable		

