



Customer :
Reference :

Item number	: Default	Product Description	: ACDU70/1-3/4HP
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: CD-C601-9309
Quote number	:	Basic model number	: -
		Date last saved	: 02 Apr 2025 9:28 AM

Operating Conditions		Liquid	
Flow, rated	: 11.00 USgpm	Liquid type	: Cold Water
Differential head / pressure, rated (requested)	: 72.00 ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 74.42 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
		Viscosity, rated	: 1.00 cP
		Vapor pressure, rated	: 0.34 psi.a
Performance		Material	
Speed criteria	: Synchronous	Material selected	: Stainless Steel
Speed, rated	: 3450 rpm		
Impeller diameter, rated	: 4.53 in	Pressure Data	
Impeller diameter, maximum	: 4.53 in	Maximum working pressure	: 35.06 psi.g
Impeller diameter, minimum	: 4.53 in	Maximum allowable working pressure	: 125.0 psi.g
Efficiency	: 40.24 %	Maximum allowable suction pressure	: N/A
PEI (CL)	: -	Hydrostatic test pressure	: N/A
NPSH required / margin required	: 3.34 / 0.00 ft	Driver & Power Data (@Max density)	
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,036 / 3,726 US Units	Driver sizing specification	: Rated power
MCSF	: 6.00 USgpm	Margin over specification	: 0.00 %
Head, maximum, rated diameter	: 81.01 ft	Service factor	: 1.00
Head rise to shutoff	: 8.86 %	Power, hydraulic	: 0.21 hp
Flow, best eff. point	: 32.49 USgpm	Power, rated	: 0.51 hp
Flow ratio, rated / BEP	: 33.85 %	Power, maximum, rated diameter	: 0.76 hp
Diameter ratio (rated / max)	: 100.00 %	Motor rating	: 0.75 hp / 0.56 kW (Fixed)
Head ratio (rated dia / max dia)	: 100.00 %		
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 0.99 / 1.00		
Selection status	: Acceptable		

