

Item number	: Default	Product Description	: ACDU70/5A-2HP
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: CD-C603-9309-A
Quote number	:	Basic model number	: -
		Date last saved	: 02 Apr 2025 10:46 AM

Operating Conditions

Flow, rated	: 30.00 USgpm
Differential head / pressure, rated (requested)	: 103.0 ft
Differential head / pressure, rated (actual)	: 105.8 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available, rated	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed criteria	: Synchronous
Speed, rated	: 3450 rpm
Impeller diameter, rated	: 6.02 in
Impeller diameter, maximum	: 6.02 in
Impeller diameter, minimum	: 6.02 in
Efficiency	: 42.14 %
PEI (CL)	: 0.98
NPSH required / margin required	: 14.62 / 0.00 ft
Ns (imp. eye flow) / Nss (imp. eye flow)	: 668 / 2,107 US Units
MCSF	: 6.00 USgpm
Head, maximum, rated diameter	: 145.8 ft
Head rise to shutoff	: 37.78 %
Flow, best eff. point	: 35.14 USgpm
Flow ratio, rated / BEP	: 85.36 %
Diameter ratio (rated / max)	: 100.00 %
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

Liquid

Liquid type	: Cold Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature, max	: 68.00 deg F
Fluid density, rated / max	: 1.000 / 1.000 SG
Viscosity, rated	: 1.00 cP
Vapor pressure, rated	: 0.34 psi.a

Material

Material selected	: Stainless Steel
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Pressure Data

Maximum working pressure	: 63.10 psi.g
Maximum allowable working pressure	: 125.0 psi.g
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: N/A

Driver & Power Data (@Max density)

Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 0.80 hp
Power, rated	: 1.90 hp
Power, maximum, rated diameter	: 2.04 hp
Motor rating	: 2.00 hp / 1.49 kW (Fixed)

