

Item number	: Default	Size	: Hydromatic - S6L/S6LX
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: SUB_S_E_AH_00013_E_4 Rev
Quote number	:		2012-03-23
		Date last saved	: 03 Apr 2018 10:33 AM

Operating Conditions

Flow, rated	: 1,118.7 USgpm
Differential head / pressure, rated (requested)	: 47.00 ft
Differential head / pressure, rated (actual)	: 47.00 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available, rated	: Ample
Frequency	: 60 Hz

Performance

Speed, rated	: 1750 rpm
Impeller diameter, rated	: 9.75 in
Impeller diameter, maximum	: 11.88 in
Impeller diameter, minimum	: 8.37 in
Efficiency	: 65.93 %
NPSH required / margin required	: - / 0.00 ft
nq (imp. eye flow) / S (imp. eye flow)	: 46 / - Metric units
Minimum Continuous Stable Flow	: 368.8 USgpm
Head, maximum, rated diameter	: 87.51 ft
Head rise to shutoff	: 86.17 %
Flow, best eff. point	: 1,118.1 USgpm
Flow ratio, rated / BEP	: 100.06 %
Diameter ratio (rated / max)	: 82.07 %
Head ratio (rated dia / max dia)	: 43.66 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: 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	: Standard
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Pressure Data

Maximum working pressure	: 37.87 psi.g
Maximum allowable working pressure	: N/A
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: N/A

Driver & Power Data (@ Max density)

Driver sizing specification	: Maximum power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 13.28 hp
Power, rated	: 20.13 hp
Power, maximum, rated diameter	: 20.59 hp
Minimum recommended motor rating	: 25.00 hp / 18.64 kW

