

Frequency

Customer Project name :

: 60 Hz

Item number : Default Size : Hydromatic - S6L/S6LX

Service Stages

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 : 47.00 ft Differential head / pressure, rated (actual) Suction pressure, rated / max : 0.00 / 0.00 psi.g NPSH available, rated : Ample

**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 : 1.000 / 1.000 SG Fluid density, rated / max

: 1.00 cP Viscosity, rated Vapor pressure, rated : 0.34 psi.a

### Material

Material selected : Standard

### **Pressure Data**

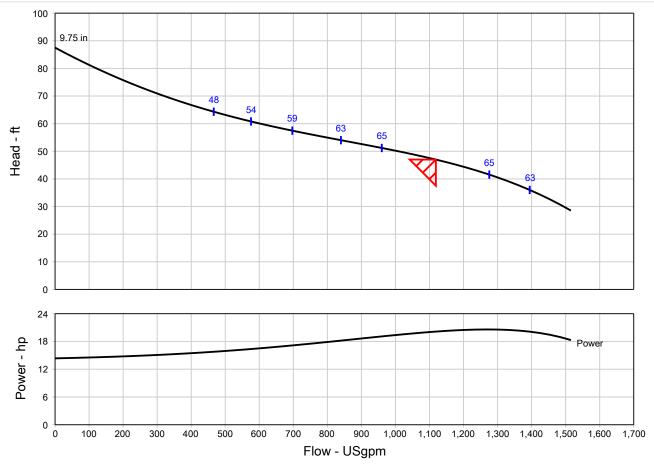
Maximum working pressure : 37.87 psi.g Maximum allowable working pressure : N/A Maximum allowable suction pressure : N/A Hydrostatic test pressure : N/A

#### 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





**HYDROMATIC** PHONE: · FAX: