

Item number	: 001	Size	: Hydromatic-S4LXP
Service	:	Stages	: 1
Quantity	: 1	Based on curve number	: SUB_S_PE_AH_00011_D_6
Quote number	: 359979	Date last saved	: 29 Sep 2020 10:18 AM

Operating Conditions

Flow, rated	: 250.0 USgpm
Differential head / pressure, rated (requested)	: 50.00 ft
Differential head / pressure, rated (actual)	: 50.13 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	: 1165 rpm
Impeller diameter, rated	: 10.88 in
Impeller diameter, maximum	: 11.88 in
Impeller diameter, minimum	: 9.00 in
Efficiency	: 49.40 %
NPSH required / margin required	: - / 0.00 ft
nq (imp. eye flow) / S (imp. eye flow)	: 34 / - Metric units
Minimum Continuous Stable Flow	: 165.1 USgpm
Head, maximum, rated diameter	: 63.82 ft
Head rise to shutoff	: 27.31 %
Flow, best eff. point	: 665.3 USgpm
Flow ratio, rated / BEP	: 37.58 %
Diameter ratio (rated / max)	: 91.54 %
Head ratio (rated dia / max dia)	: 77.74 %
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 diameter limit	: 3.25 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

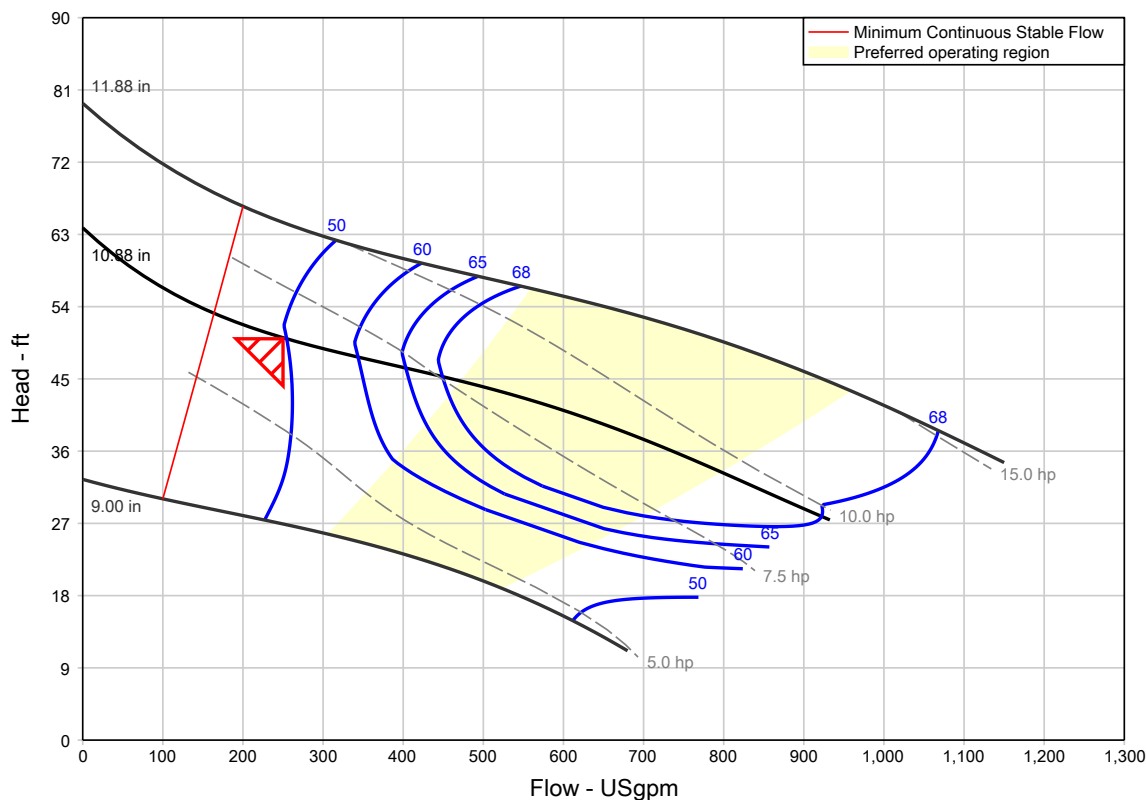
Material selected	: Standard
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Pressure Data

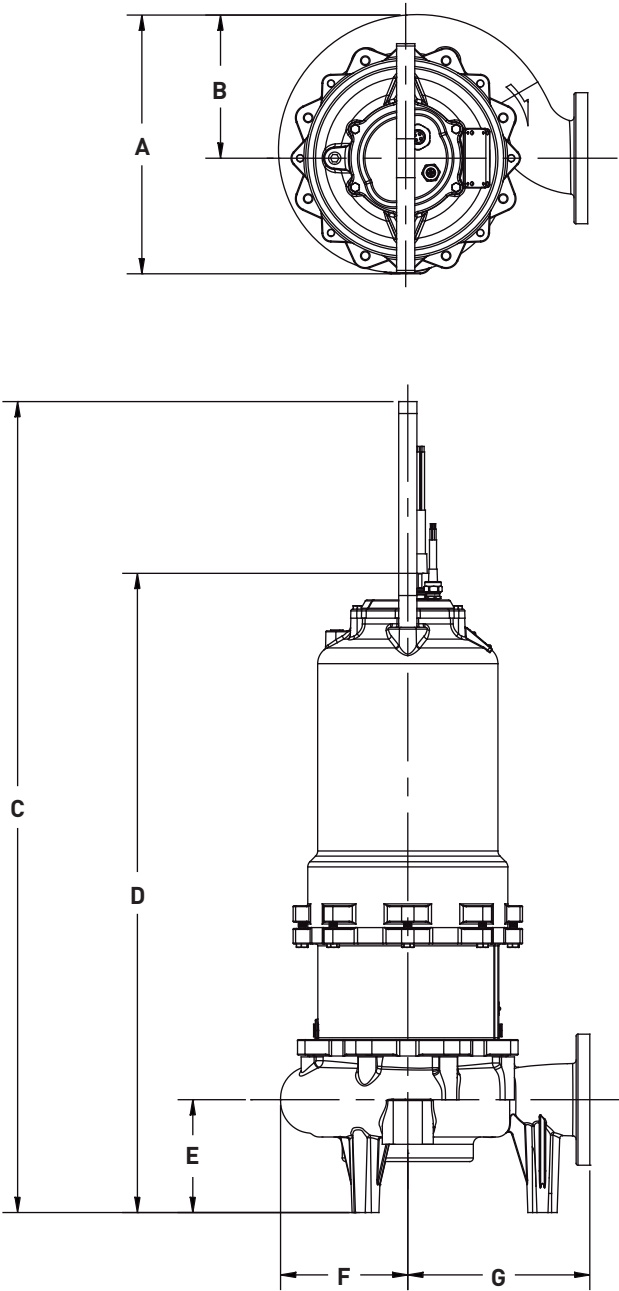
Maximum working pressure	: 27.62 psi.g
Maximum allowable working pressure	: N/A
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: N/A

Driver & Power Data (@ Max density)

Driver sizing specification	: Maximum power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 3.16 hp
Power, rated	: 6.40 hp
Power, maximum, rated diameter	: 9.56 hp
Minimum recommended motor rating	: 10.00 hp / 7.46 kW



Dimensional Data – S4L(X)P
FRAME SIZE: **250**



	A	B	C	D	E	F	G
S4L(X)P	18.29	9.98	56.06	45.61	7.75	9.13	14.50

ALL DIMENSIONS IN INCHES
NOTE: CASTING DIMENSIONS MAY VARY ± 1/8"