

SERIES S | STANDARD CIRCULATORS | SUBMITTAL

File No: 10.50
Date: DEC. 17, 2013
Supersedes: 10.50
Date: JULY 25, 2012

Job: _____ Representative: _____

Ordered by: _____ Date: _____
Engineer: _____ Submitted by: _____ Date: _____
Contractor: _____ Approved by: _____ Date: _____

PUMP DESIGN DATA

Pump model: _____ Flange size: _____
No. of pumps: _____ Note: _____
Capacity: _____ USgpm (L/s) Head: _____ ft (m)
Temperature: _____ °F (°C) Liquid: _____
Companion flanges: Included

MATERIALS OF CONSTRUCTION

PART NAME	BRONZE FITTED	LEAD FREE BRONZE*
Pump Body	Cast iron	Lead free Bronze

Impeller: Non-ferrous

Bearings: ☐ Sleeve - Oil lubricated**
☐ 'Maintenance free' bearings - No lubrication***

Seal: Mechanical

Stationary seal face: Sintered silicon carbide

Coupler: s25-s46: Flexible, 4 - Spring;
s55-s69: Flexible spacer type

Motor: Single phase - 1800 RPM - Resilient mounted
Three phase - 1800 RPM - Resilient mounted

* Contains less than 0.25% lead, weighted average.

** Alloy shaft with copper sleeve.

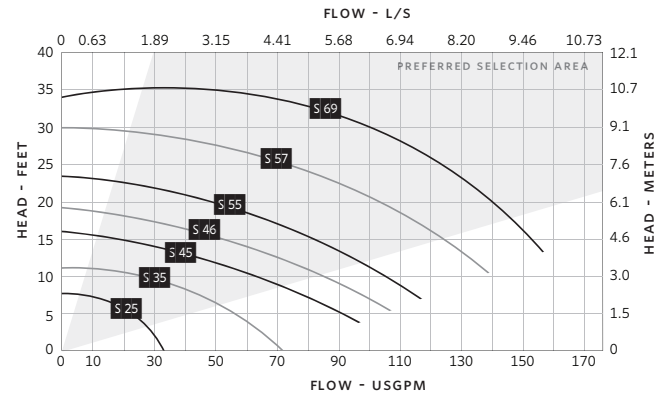
*** Stainless steel shaft.

MAXIMUM PUMP OPERATING CONDITIONS

125 psig at 225°F (863 kPa at 107°C)

OPTIONAL EQUIPMENT

PERFORMANCE CURVE



Based on 1800 RPM, 60 Hz motors.
For 50 Hz motors write for special capacity charts.

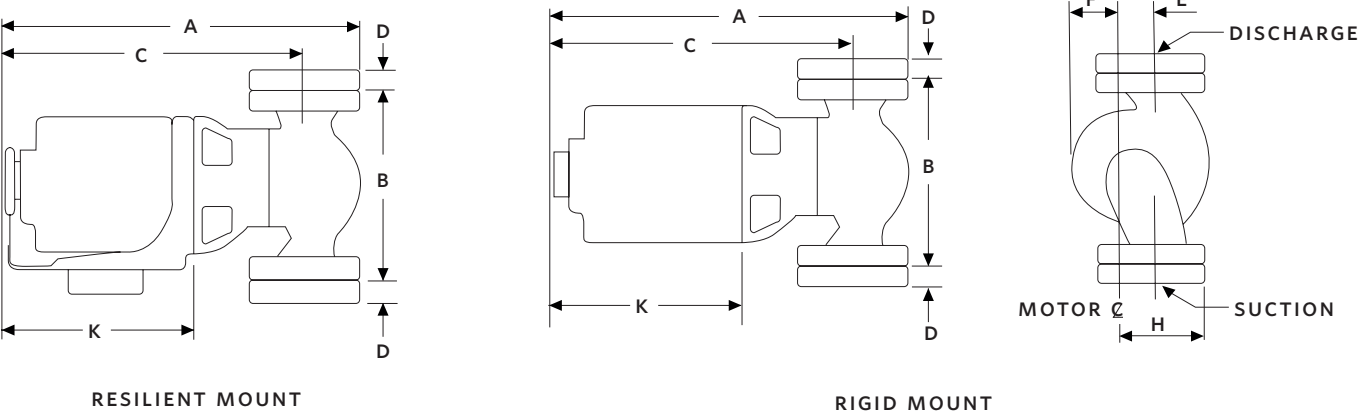
MODEL	FLANGE SIZE (N.P.T)	MOTOR [†]		DIMENSIONS inches (mm)				WEIGHT
		HP	PHASE AND VOLT	A	B	C	D	lbs (kg)
S25	¾	⅛	1 phase 115 V	13.75 (349)	6.50 (165)	11.50 (292)	0.75 (19)	20 (9.0)
S25	1	⅛		13.75 (349)	6.50 (165)	11.50 (292)	0.75 (19)	20 (9.0)
S25	1¼	⅛		13.75 (349)	6.50 (165)	11.50 (292)	0.88 (22)	20 (9.0)
S25	1½	⅛		13.75 (349)	6.50 (165)	11.50 (292)	0.88 (22)	20 (9.0)
S35	2	⅙		15.00 (581)	8.50 (216)	12.50 (318)	0.88 (22)	35 (16.0)
S45	2½	¼		15.75 (400)	10.00 (254)	12.50 (318)	1.00 (25)	51 (23.0)
S45	3	¼		15.75 (400)	10.00 (254)	12.50 (318)	1.00 (25)	51 (23.0)
S46	3	⅓		15.75 (400)	10.00 (254)	12.50 (318)	1.00 (25)	51 (23.0)
S55	3	½	1 phase 115/230 V or 3 phase 208-230/460 or 575 V	19.50 (495)	12.00 (305)	16.00 (406)	1.00 (25)	82 (37.0)
S57	3	¾		20.00 (508)	12.00 (305)	16.50 (419)	1.00 (25)	85 (39.0)
S69	3	1		25.00 (635)	14.25 (362)	20.25 (514)	1.00 (25)	135 (61.0)

Dimensions shown are for reference only. For exact dimensional data, contact factory.

[†]All single phase motors are equipped with a built-in thermal overload protection.

Three phase motors require external overload protection.

Conduit box not supplied on ½ hp or greater.



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