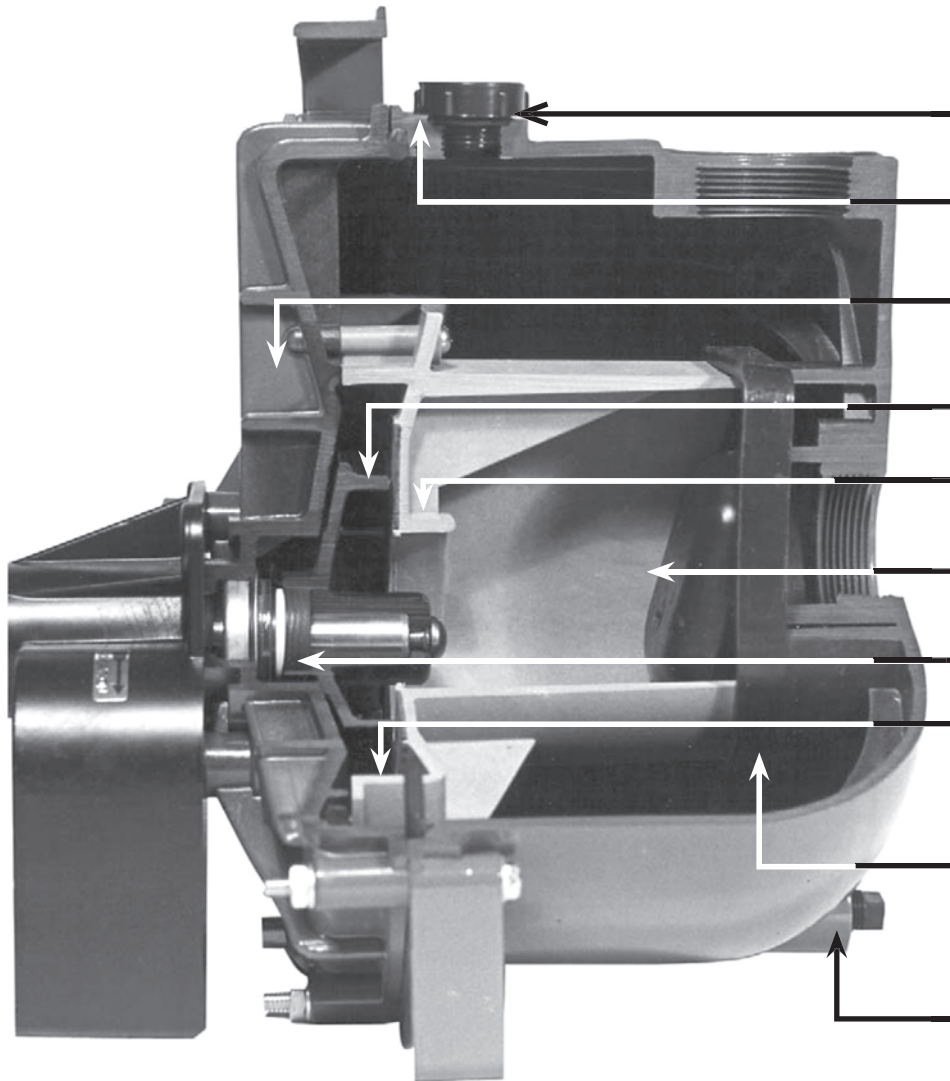




HORIZONTAL . . . LONG OR CLOSE COUPLED

A complete line. 1½", 2", and 3" sizes

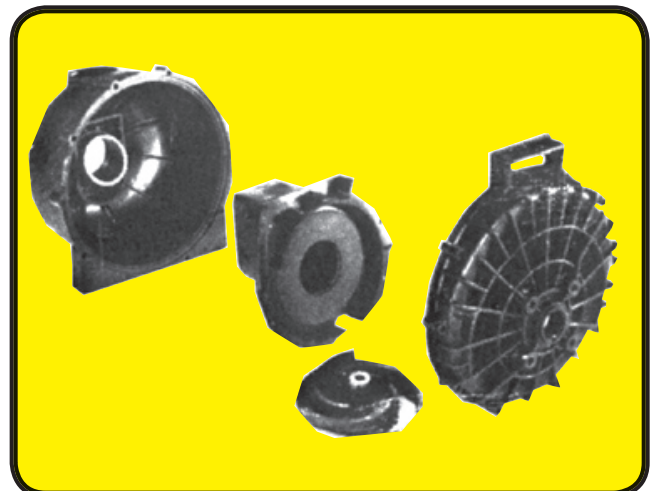


LONG-life features:

- Hand operated filter plug - "O"-ring seated.
- Lifetime gasket - never needs replacing.
- Sturdy ribbed casing of tough reinforced engineering plastic.
- Selection of impellers.
- Wear plate minimizes erosive effect of abrasives in liquids (optional).
- Built-in check valve — prevents flow-back.
- Self-lubricating shaft seal.
- Self-priming and self-cleaning — double volute primes, and during pumping, keeps pump free of settled solids.
- Self-priming chamber retains liquid for priming even if check valve malfunctions.
- Hand operated filter plug - "O"-ring sealed.

Series 'S' Self-Priming Centrifugal Pumps are lightweight, chemically resistant pumps for general service on water, salt water, mild acids and bases. They feature non-metallic solution contact or 316 stainless steel internal fasteners and shaft seal, 304 stainless steel external fasteners and Viton®, ethylene propylene or Buna-N "O"-rings and gasket. The pumps are molded of tough, glass reinforced polyester, polypropylene or Ryton®. Polyester models are available with or without lined volute for abrasion resistance.

All pumps include a built-in check valve, feature easy servicing and, during pumping, a self-cleaning double volute keeps pump free of settled solids.



‘S’ PUMP CONSTRUCTION GUIDE

I. Close coupled pump

- A. Select flow curve
- B. Determine HP required (select duty point on solid curve, travel vertically to corresponding dotted curve, then horizontally to required HP)
- C. Determine materials of construction and consult a chemical resistance guide to determine compatibility with fluids to be pumped.
- D. Construct pump model and price code numbers using pump table below
- E. Add drive model and price code number suffix from motor table
- F. Order as one item.

(Ordering example: close coupled pump)

Item	Qty	Description/Model	Price Code Number
1	1	‘S’ pump, polyester, 2” ports, ‘C’ impeller, EPDM elastomers, non metallic solution contact 1.0 HP, 1750 RPM, 115-230/1/60, TEFC motor (Model: SE2CLNG1.0C)	64-22C88 G1.0C

II. Long coupled pump

- A. Follow A thru D above to construct pump head.
- B. Add pedestal mount (see long coupling components)
- C. Add shaft coupling (see long coupling components)
- D. Add baseplate (see long coupling components)
- E. Add motor
- F. Order components individually

(Ordering example: long coupled pump)

Item	Qty	Description/Model	Price Code Number
1	1	SE2CLN - ‘S’ pump, polyester 2”, ‘C’ impeller, non-metallic solution contact, EPDM	64-22C88
2	1	PSS - Plastic pedestal w/316SS shaft	64-2053 02
3	1	AA - Shaft Coupling	64-0785
4	1	SBP - Baseplate	64-0028 A
5	1	G1.0 - Motor 1.0 HP, 1750 RPM, 1ø, 60 Hz, TEFC (Model: SE2CLN-PSS-AA-SBP-G1.0)	64-0824

PUMP TABLE

PUMP MATERIAL + PORT SIZE (NPT) + IMPELLER + SEAL, ELASTOMERS, INTERNAL FASTENERS

Series ‘S’	Model	PCN	Model	PCN	Model & PCN	DESCRIPTION: INTERNALS	MODEL	PCN
Polyester	SE	64-1	1½	1	A,E	Viton - carbon/ceramic 316SS fasteners, unlined volute	V	1
Polypropylene	SP	64-2	2	2	C,F,H,I,J,P,R,U,Y	Buna - carbon/ceramic 316SS fasteners, unlined volute	B	2
Rylon	SY	64-3	3	3	L,S,X	Buna - carbon/ceramic, 316SS fasteners, lined volute	BL	3
						EPDM - carbon/ceramic 316SS fasteners, unlined volute	L	4
						EPDM - carbon/ceramic, 316SS fasteners, lined volute	LL	5
						EPDM - SiC non-metallic	LN	88
						Viton - SiC non-metallic	VN	99

¹ External fasteners are 304SS

+ MOTOR (see Motor Table)

LONG COUPLING COMPONENTS

PEDESTAL MOUNT

Pedestal w/Pump Shaft	Model	PCN
PLASTIC PEDESTAL		
Steel w/polyethylene sleeve	PE	64-2053 01
316SS	PSS	64-2053 02
Titanium	PT	64-2053 03
CAST IRON PEDESTAL		
316SS	CSS	64-1950 01
Titanium	CT	64-1950 01T
Hastelloy® C	CH	64-1950 01H

BASEPLATES*

Impeller Curve	Model	PCN
A, C, E, H, P, R, S, U, Y	SBP	64-0028A
F, I, J, L	SHBP	64-0016A

SHAFT COUPLINGS

Impeller Curve	Model	PCN
A, B, C	AA	64-0785
E	AA	64-0785
G ¹ & H	AA	64-0785
F & I ²	AC	64-0787
I ³	AD	64-0788
J, K, L	AG	64-0787

¹ For fractional HP electric motors with 5/8" shaft, 1725 RPM.
² For 5 and 7.5 HP electric motors, 3450 RPM.
³ For 10 HP electric motors, 3450 RPM.

* Includes: Baseplate, fasteners, shims, coupling guard, alignment & assembly.

MOTOR TABLE

ELECTRIC MOTORS LONG COUPLED

TEFC (60 Hz)		TEFC (50 Hz)	
HP Model	PCN	HP Model	PCN
G.5	64-0818	A.5	64-0818A
G.75	64-0821	A.75	64-0821A
G1.0	64-0824	A1.0	64-0824A
G1.5	64-0827	A1.5	64-0827A
C2.0	64-0802	B2.0	64-0802B
C5.0	64-0680	B5.0	64-0680B
H.75	64-0696	B.75	64-0696E
H1.0	64-0829	B1.0	64-0829E
H1.5	64-0831	E1.5	64-0831E
D2.0	64-0808	F2.0	64-0808F
D3.0	64-0811	F3.0	64-0811F
D5.0	64-0814	F5.0	64-0814F
D7.5	64-0816	F7.5	64-0816F
D10.0	64-0992	F10.0	64-0992F

ELECTRIC MOTORS CLOSE COUPLED

TEFC (60 Hz)	TEFC (50 Hz)
HP Model	HP Model
G.5C	A.5C
G.75C	A.75C
G1.0C	A1.0C
G1.5C	A1.5C
C2.0C	B2.0C
H.5C	E.5C
H7.5C	E7.5C
H1.0C	E1.0C
H1.5C	E1.5C
D2.0C	F1.5C
D3.0C	F2.0C
	F3.0C

ELECTRIC MOTOR KEY

60 Hz
G = 1750 RPM 1ø
C = 3450 RPM 1ø
H = 1750 RPM 3ø
D = 3450 RPM 3ø
50 Hz
A = 1450 RPM 1ø
B = 2850 RPM 1ø
E = 1450 RPM 3ø
F = 2850 RPM 3ø
60 Hz 1ø 115/230
50 Hz 1ø 208-230/50
60 Hz 3ø 208/230/460
50 Hz 3ø 380-415/50

GASOLINE/DIESEL ENGINES

Description	Model ¹	PCN ²
3 HP Briggs & Stratton	E3C	64-0634
3 HP Briggs & Stratton Industrial Duty	E3AC	64-0633A
5 HP Briggs & Stratton	E5C	64-0635
5 HP Briggs & Stratton Industrial Duty	E5AC	64-0635A
5 HP Honda OHV	E5HC	64-0635H
8 HP Tecumseh Industrial Duty	E8AC	64-0648A
5 HP Robin Diesel	E5DC	64-0653
5 HP Briggs % Stratton OHV Industrial Duty	E5AVCP	64-0653V

PNEUMATIC MOTOR

HP	RPM	Req'd. PSI	Req'd SCFM	Model & PCN
0.5	1750	30	25	PNC ¹
1	1750	37	38	
1	2900	27	45	
2	2900	49	70	
3	2900	74	100	
4	2900	102	130	

To approximate flow at 2900 RPM, reduce flow by 20%, head by 29% and HP by 40%.

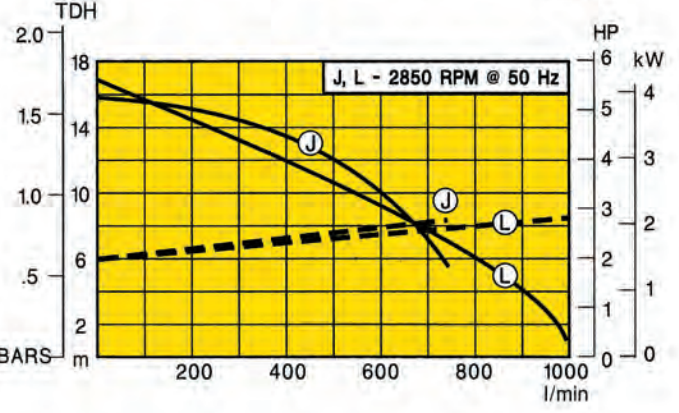
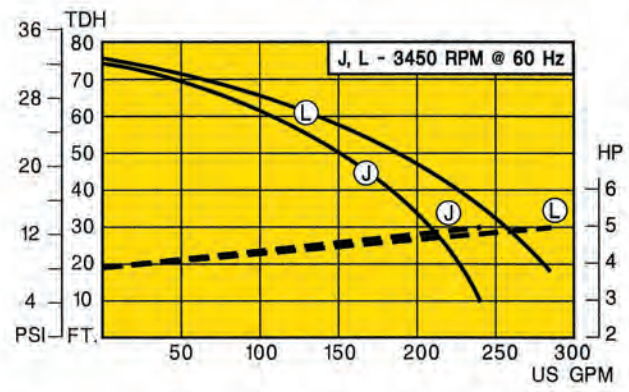
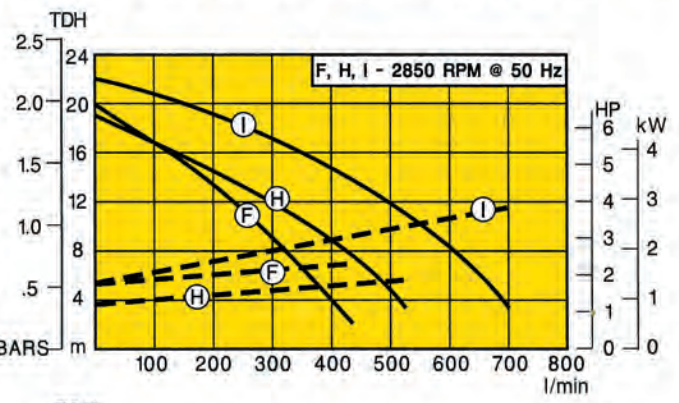
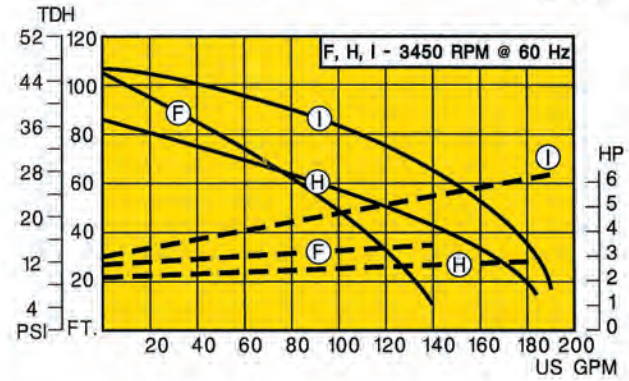
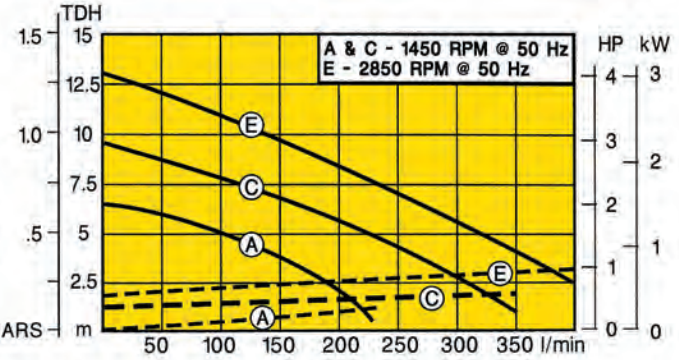
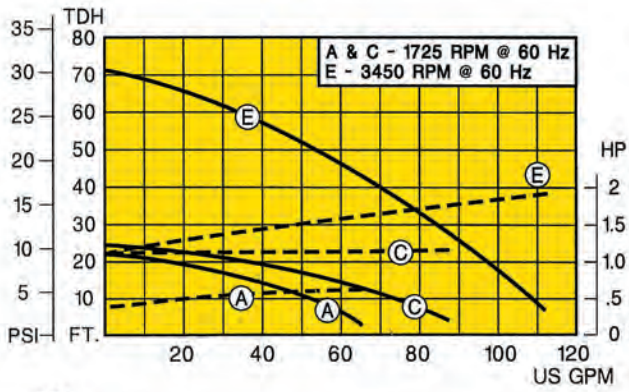
HYDRAULIC MOTOR

HP	RPM	Req'd PSI	Req'd GPM	Model & PCN
2	3450	500	9	HYC ¹
3	3450	750	9	
5	3450	1200	9.2	
7	3450	1550	9.5	

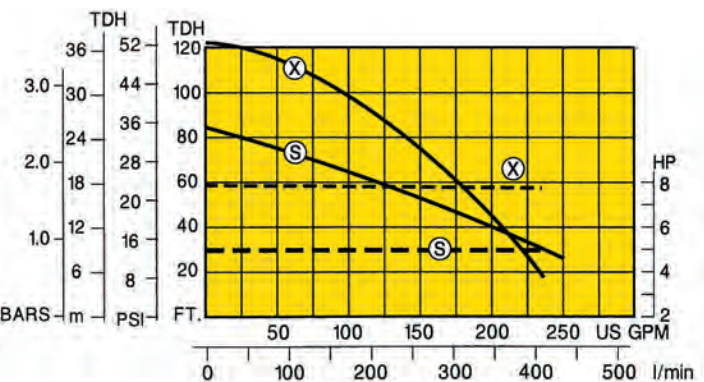
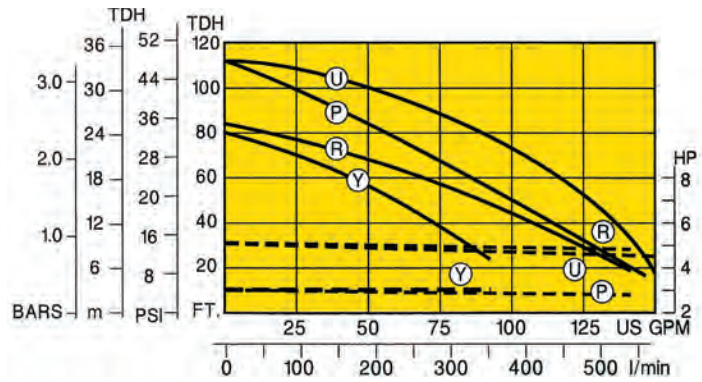
¹ close coupled

² long coupled

MOTOR DRIVEN



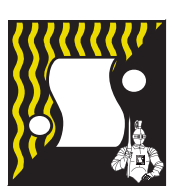
ENGINE DRIVEN



F.O.B. Northbrook, Illinois

Specifications subject to change without notice

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2900 MacArthur Blvd. (800) 323-5431
 Northbrook, IL. 60062-2005 U.S.A. (847) 509-2900
 email: sales@serfilco.com Fax: (847) 559-1141
 www.serfilco.com