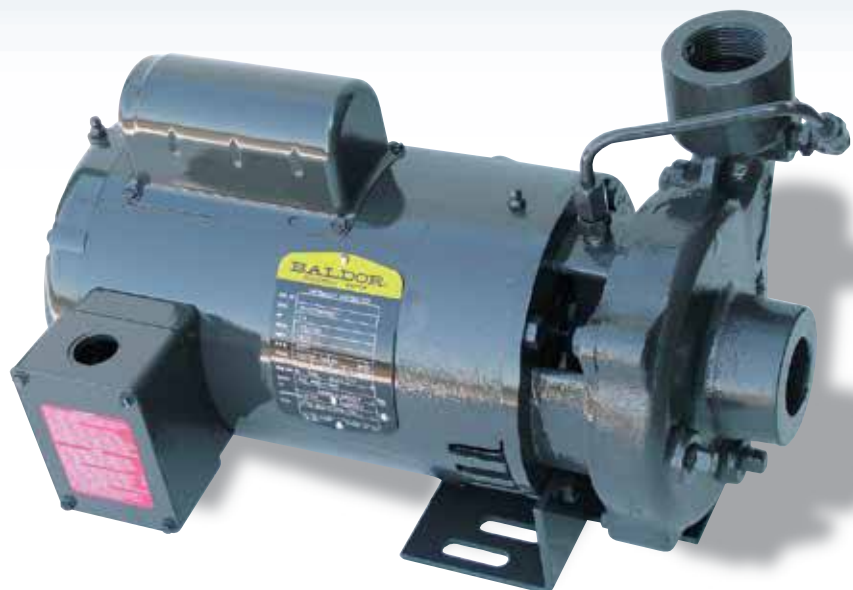




A RUTHMAN COMPANY
www.Gusher.com

General Service Industrial Close-Coupled Pumps

SC-CC Series



SC-CC Series

General Service Industrial Pumps

- ☐ Capacities to 450 gpm
- ☐ Heads to 160 feet
- ☐ Temperatures to 180° F (83° C)
- ☐ Pressures to 175 PSIG

Performance Features For General Service

Pump Reliability

- ☐ All Cast Iron, All 316 Stainless Steel (CF8M) or Stainless Steel (CF8M) Fitted (Shaft & Impeller) Construction

Ease of Maintenance

- ☐ Back Pull-Out Design
- ☐ NEMA Standard Shaft Motor
- ☐ Self-Setting Mechanical Seal

Simple Installation

- ☐ Compact, Space Saving Close-Coupled Design
- ☐ No Pump/Motor Alignment Required

Motor Information

- ☐ Motor Voltage Specifications:
3/60/208-230/460, 575V
- ☐ Motor Enclosures:
Drip Proof, TEFC, Explosion Proof



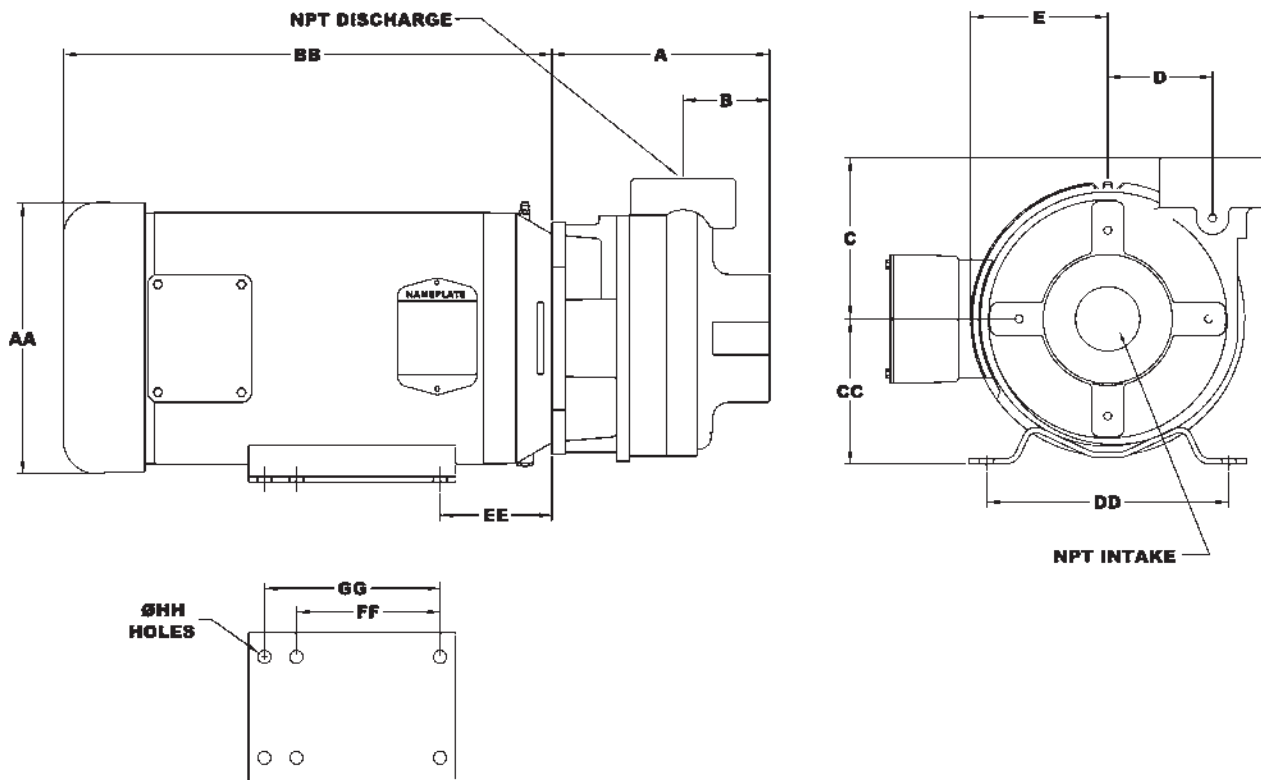
For general service pumping or industrial services, the SC-CC Series is a perfect, reliable, and economical solution. The close-coupled design makes installation extremely simple.

The SC-CC Series is also easy to operate and maintain with the added benefit of substantially reduced maintenance costs.

Services

Water Purification/Filtration
(Reverse Osmosis, Ultra Filtration)
Parts Cleaners/Washers
Deionized Water
Tank Transfer, Tank Cleaning
Bottle Washing
Waste Water
Scrubbers
Paint Systems
OEM Skids
Seal Barrier Water
Condensate
Boiler Circulation
Cooling Water, Electronics Cooling
Chillers
Batch Processing

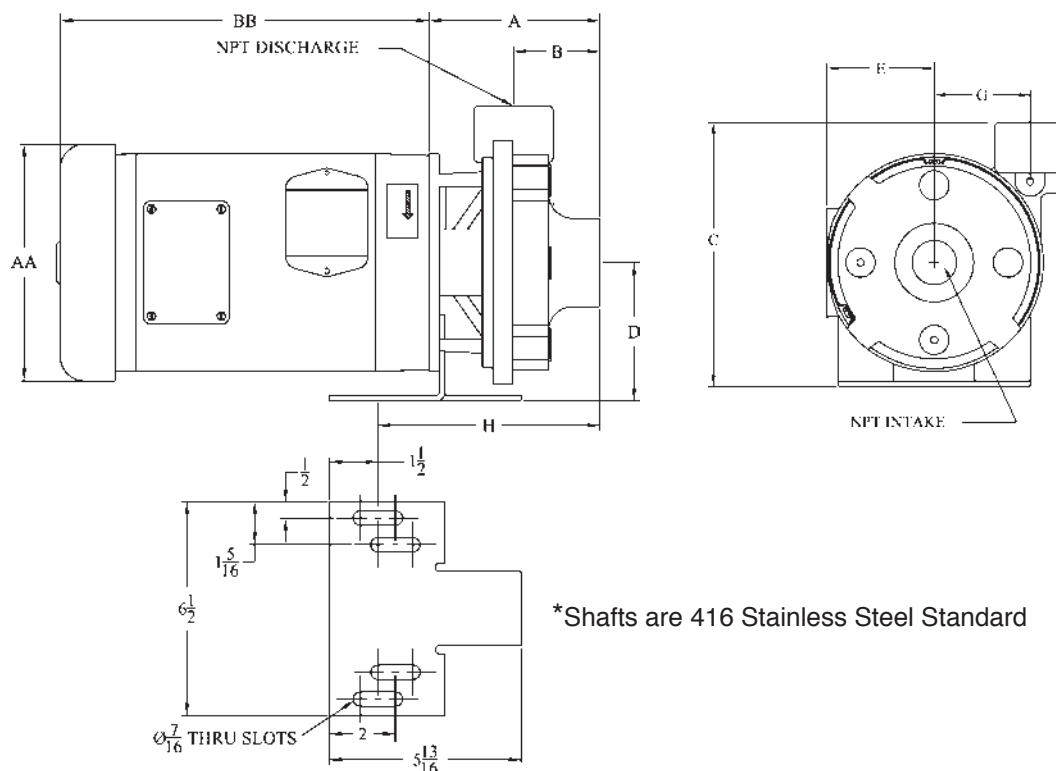
SC-CC Series 184-215 Frame



Model	A	B	C	D	E	Discharge	Intake
SC2x2-5.5	$6\frac{13}{16}$	$2\frac{11}{16}$	5	$3\frac{1}{4}$	4	2	2
SC3x3-6.5	$8\frac{1}{2}$	4	$6\frac{5}{16}$	$4\frac{5}{8}$	$4\frac{9}{16}$	3	3

Motor	Frame	AA	BB	CC	DD	EE	FF	GG	HH
5 HP	184	$8\frac{5}{8}$	$13\frac{13}{16}$	$4\frac{1}{2}$	$7\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{2}$	$5\frac{1}{2}$	6-.41
7.5 HP	184	$8\frac{1}{2}$	$15\frac{1}{4}$	$4\frac{1}{2}$	$7\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{2}$	$5\frac{1}{2}$	6-.41
10 HP	215	$10\frac{1}{4}$	$15\frac{5}{16}$	$5\frac{1}{4}$	$8\frac{1}{2}$	$4\frac{1}{2}$	$5\frac{1}{2}$	7	6-.41
15 HP	215	$10\frac{3}{16}$	$6\frac{11}{16}$	$5\frac{1}{4}$	$8\frac{1}{2}$	$4\frac{1}{2}$	$5\frac{1}{2}$	7	6-.41

SC-CC Series 56J Frame

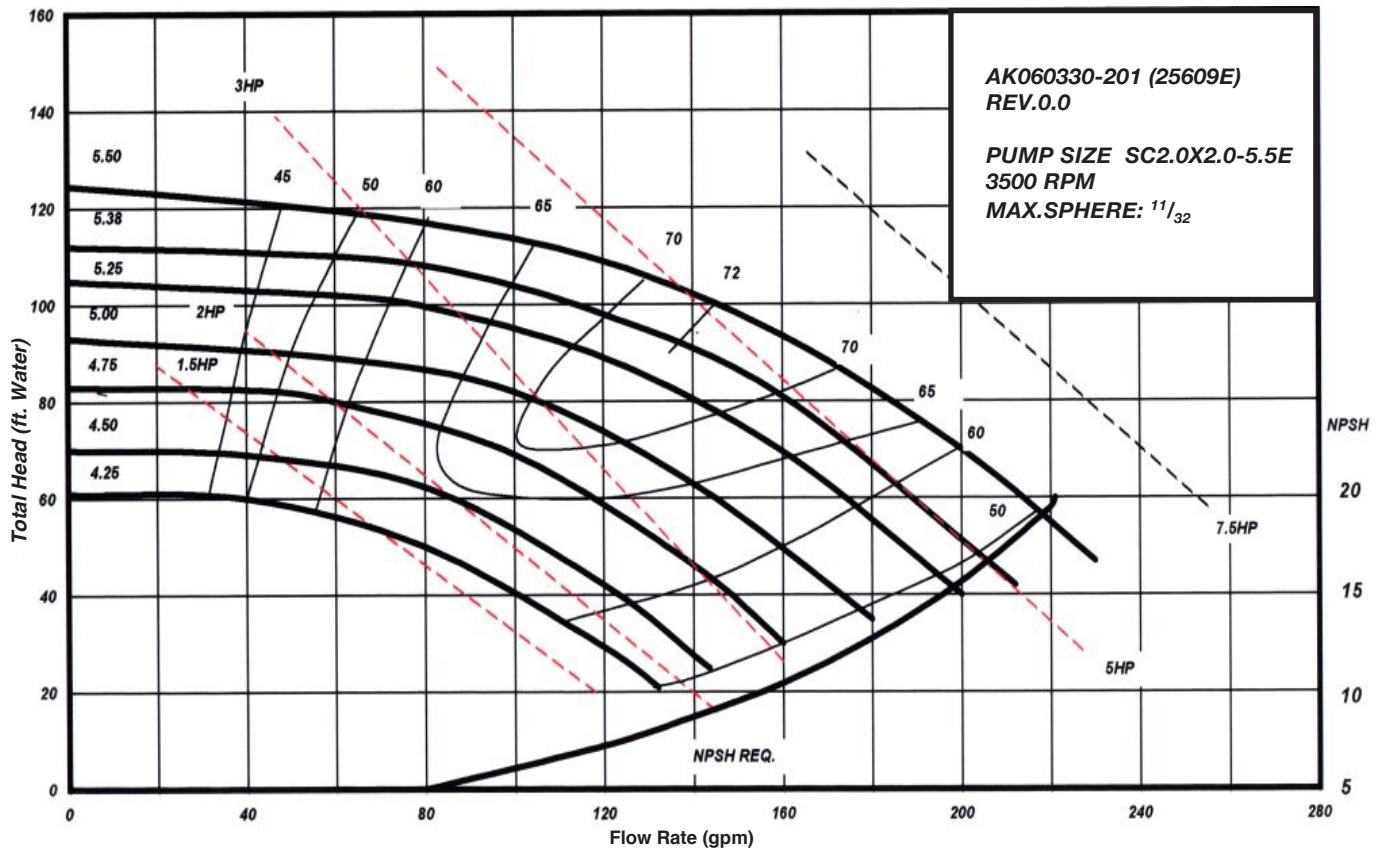


Model	A	B	C	D	E	G	H	Discharge	Intake
SC.75x1.0-3.4E	3 ⁵ / ₈	1 ¹ / ₃	6 ¹ / ₄	3 ¹ / ₂	2 ³ / ₁₆	1 ⁷ / ₈	4 ¹ / ₈	.75	1
SC1x1.25-3.4E	3 ⁵ / ₈	1	6 ¹ / ₂	3 ¹ / ₂	3	1 ¹³ / ₁₆	4 ¹ / ₈	1	1.25
SC1x1.25-5E	4 ³ / ₄	2 ¹ / ₈	8 ¹⁵ / ₁₆	4 ³ / ₁₆	3 ¹¹ / ₁₆	2 ¹ / ₈	6 ¹ / ₄	1	1.25
SC1x1.25-5.6E	4 ⁹ / ₁₆	1 ⁷ / ₈	7 ¹⁵ / ₁₆	4 ³ / ₁₆	3 ⁵ / ₁₆	3 ¹ / ₈	6 ¹ / ₁₆	1	1.25
SC1.25x1.25-5.6E	4 ¹¹ / ₁₆	2 ³ / ₃₂	9 ³ / ₈	4 ³ / ₁₆	3 ⁵ / ₁₆	3 ¹ / ₈	6 ¹ / ₄	1.25	1.25
SC1.25x1.5-5.5E	5 ³ / ₁₆	2 ⁵ / ₈	8 ¹⁵ / ₁₆	4 ³ / ₁₆	3 ⁹ / ₁₆	3 ¹ / ₄	6 ¹¹ / ₁₆	1.25	1.5
SC1.5x1.5-4.3E	5 ⁹ / ₁₆	1 ¹⁵ / ₁₆	8 ¹ / ₄	4 ¹ / ₄	3 ¹ / ₄	2 ³ / ₄	7	1.5	1.5
SC1.5x1.5-5.6E	4 ¹¹ / ₁₆	2 ³ / ₃₂	9 ³ / ₈	4 ³ / ₁₆	3 ⁹ / ₁₆	3 ¹ / ₈	6 ¹ / ₄	1.5	1.5
SC1.5x2-5.5E	6 ³ / ₁₆	2 ⁹ / ₁₆	8 ¹⁵ / ₁₆	4 ³ / ₁₆	3 ⁹ / ₁₆	3 ¹ / ₈	7 ¹¹ / ₁₆	1.5	2
SC2x2-4.3SE	5 ³ / ₄	2 ¹ / ₈	8 ¹¹ / ₁₆	4 ³ / ₁₆	3 ⁵ / ₈	2 ¹¹ / ₁₆	7 ³ / ₁₆	2	2
SC2x3-5.5E	6 ¹⁵ / ₁₆	3 ¹ / ₄	1 ¹⁵ / ₁₆	4 ³ / ₁₆	3 ¹¹ / ₁₆	CL	8 ⁷ / ₁₆	2	3

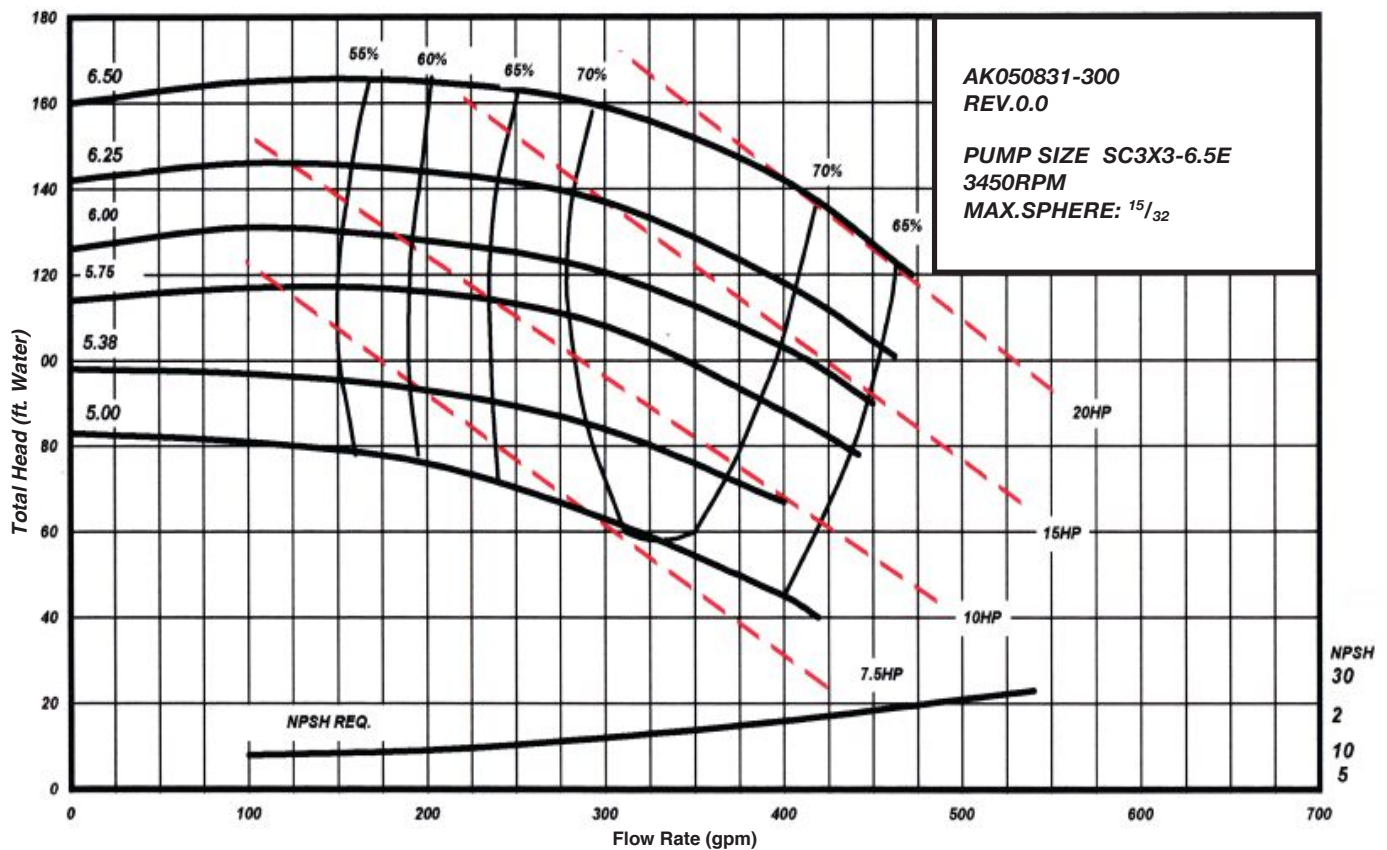
Motor	Frame	AA	BB
.50 HP	56J	6 ³ / ₁₆	9 ⁵ / ₁₆
.75 HP	56J	6 ³ / ₁₆	9 ⁵ / ₁₆
1 HP	56J	6 ³ / ₁₆	9 ⁵ / ₁₆
1.5 HP	56J	7 ³ / ₁₆	12 ¹ / ₄
2 HP	56J	7 ³ / ₁₆	12 ¹ / ₁₆
3 HP	56J	7 ³ / ₁₆	11 ³ / ₁₆

Pump Selection Curves

SC 2.0x2.0-5.5SE 3500 rpm

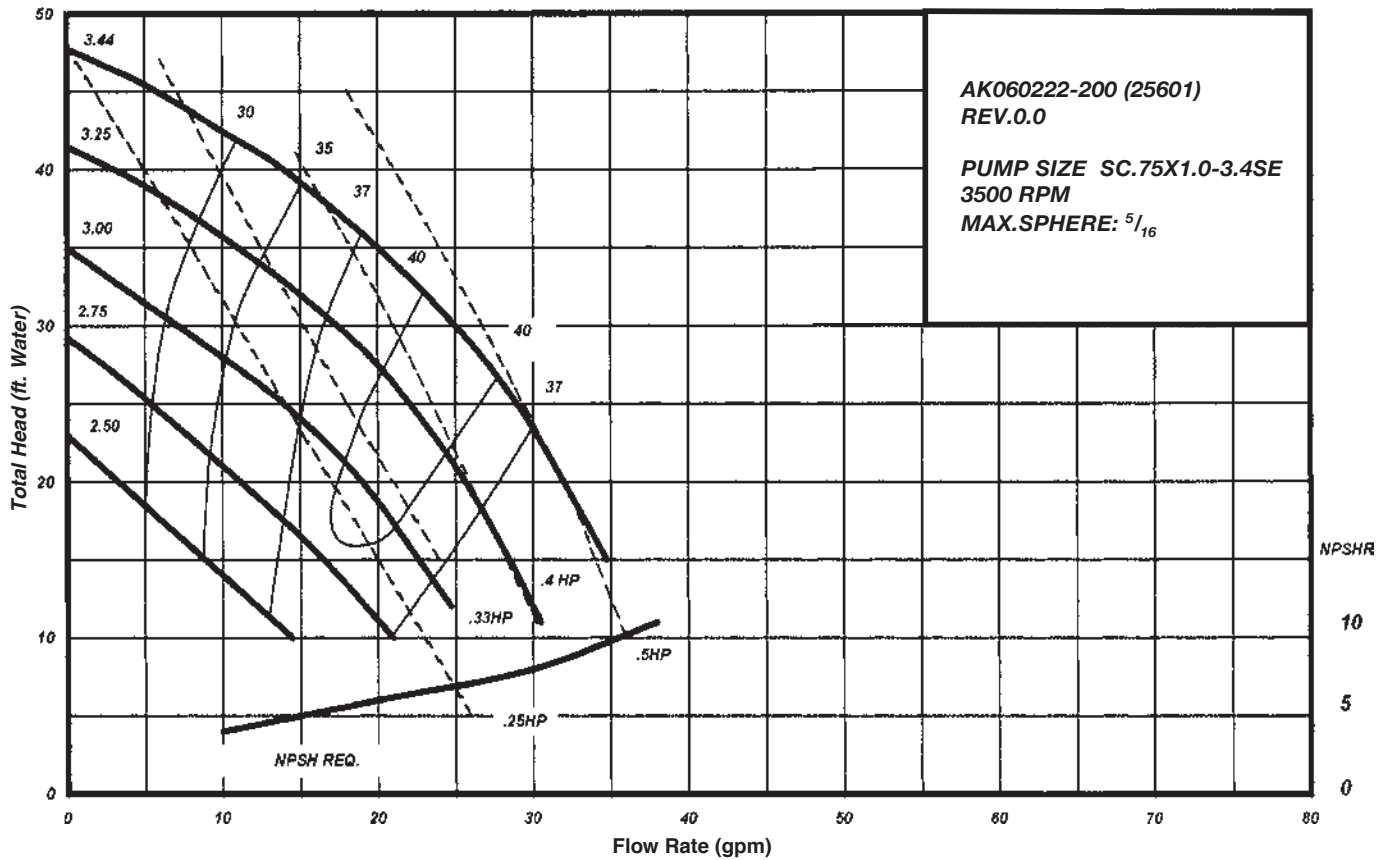


SC 3.0x3.0-6.5E 3450 rpm

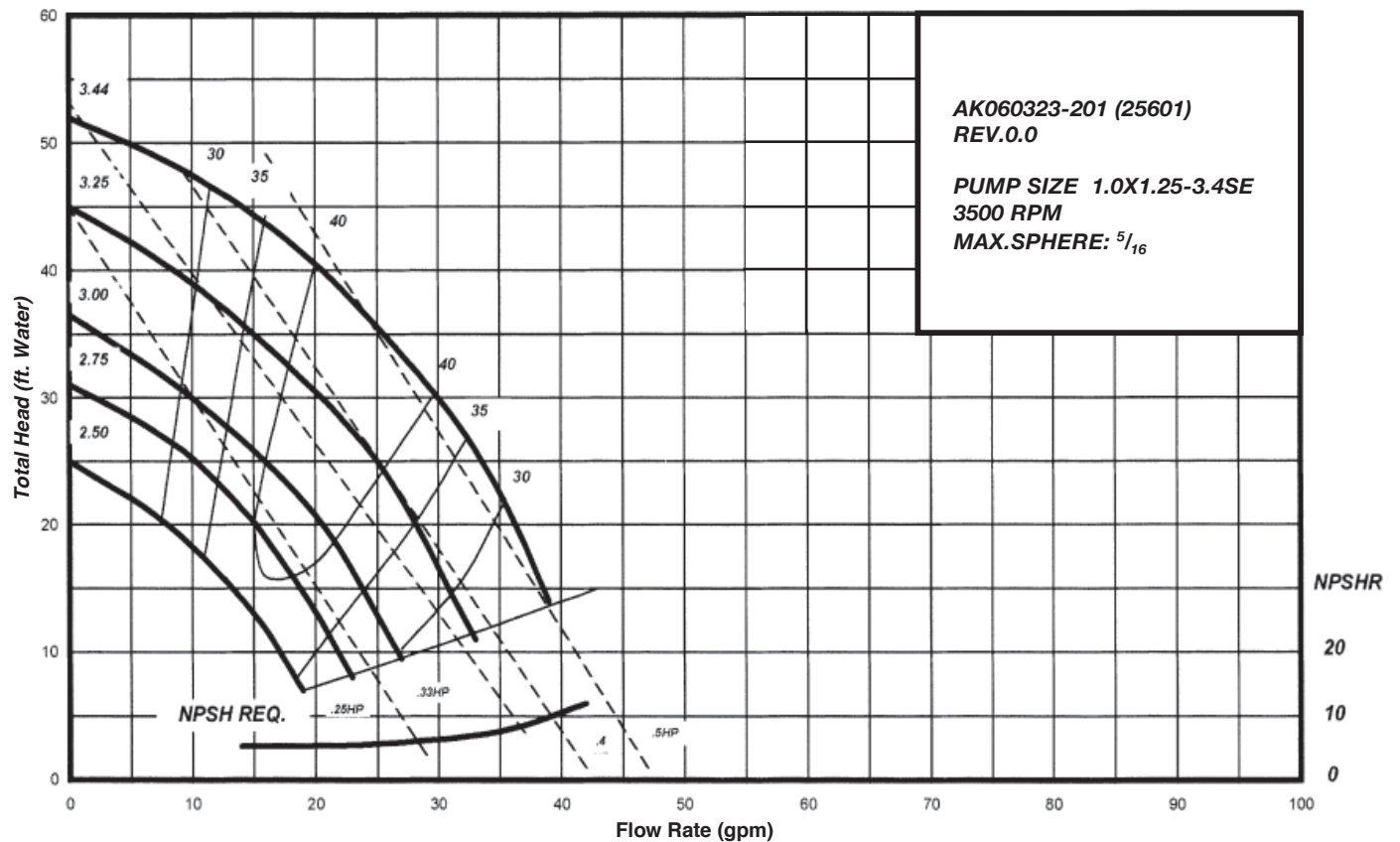


Pump Selection Curves

SC .75x1.0-3.4SE 3500 rpm

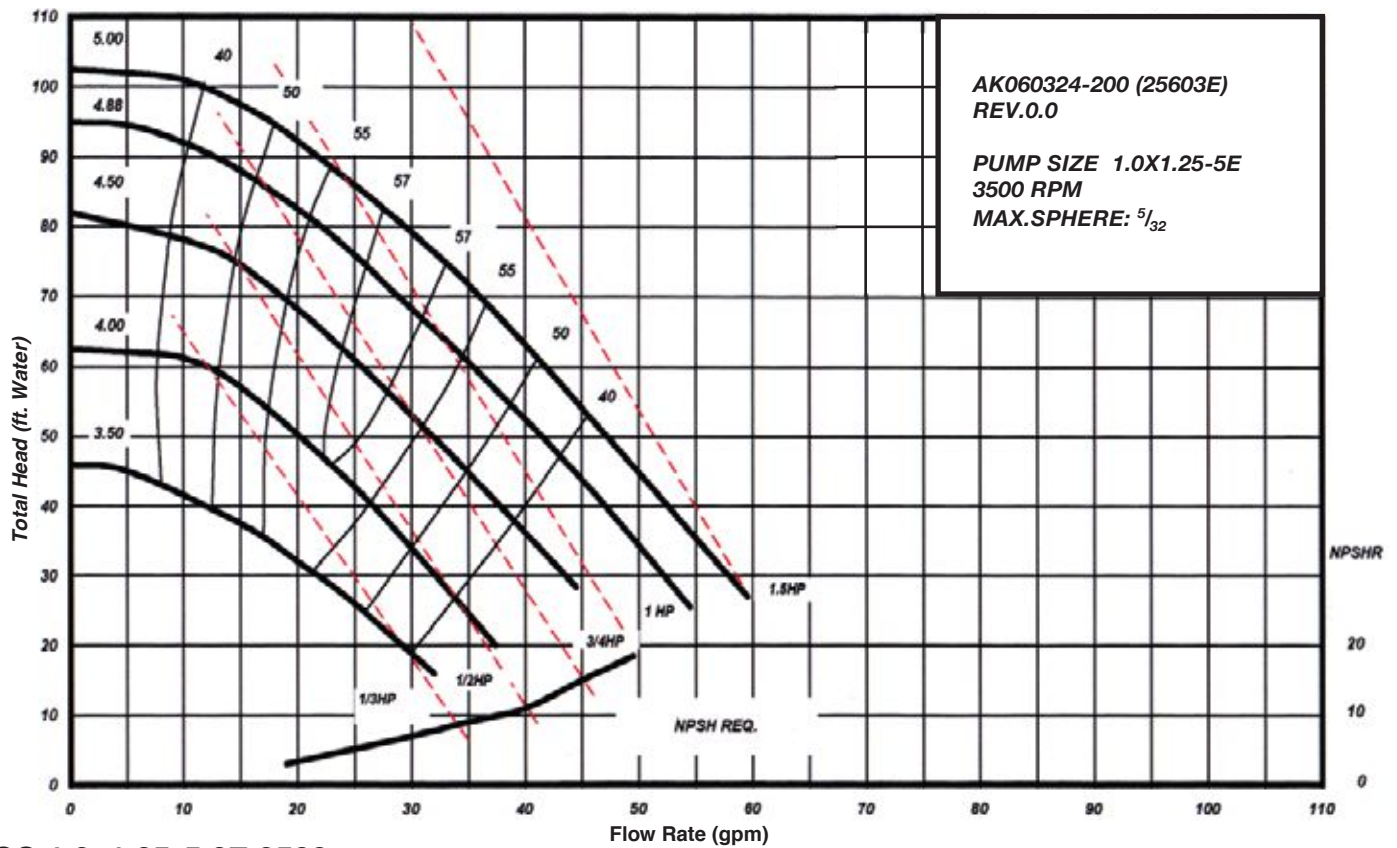


SC 1.0x1.25-3.4SE 3500 rpm

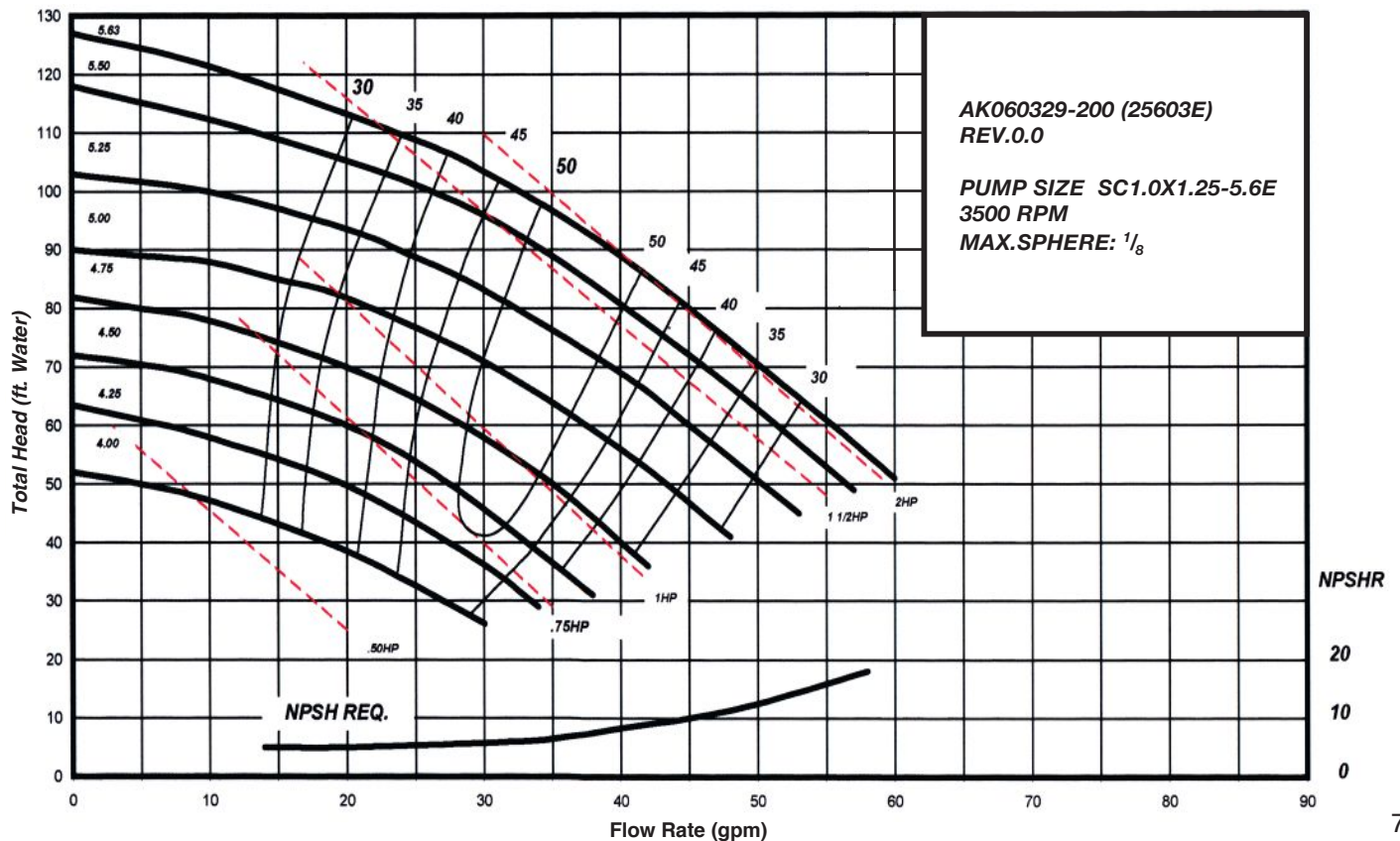


Pump Selection Curves

SC1.0x1.25-5SE 3500 rpm

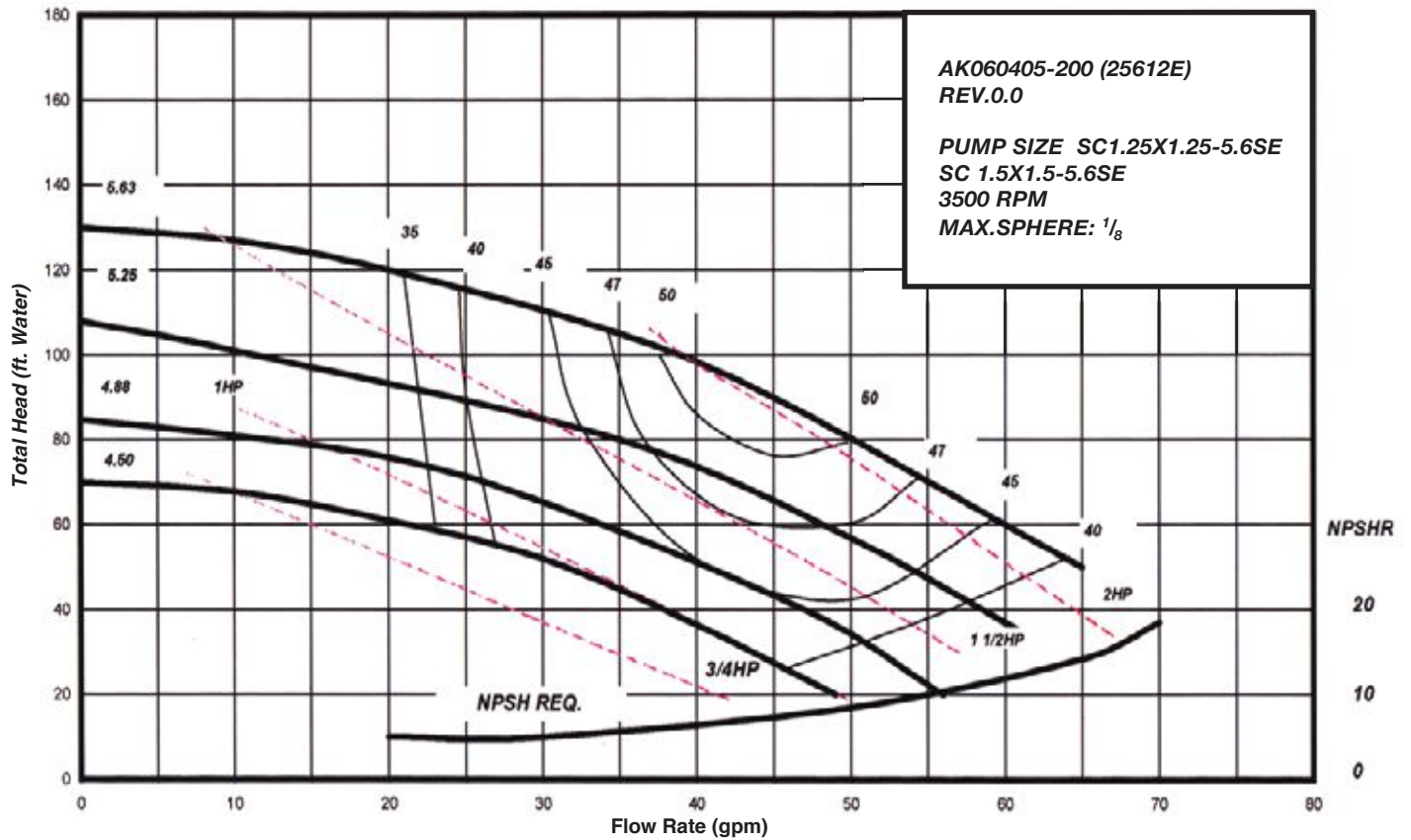


SC 1.0x1.25-5.6E 3500 rpm

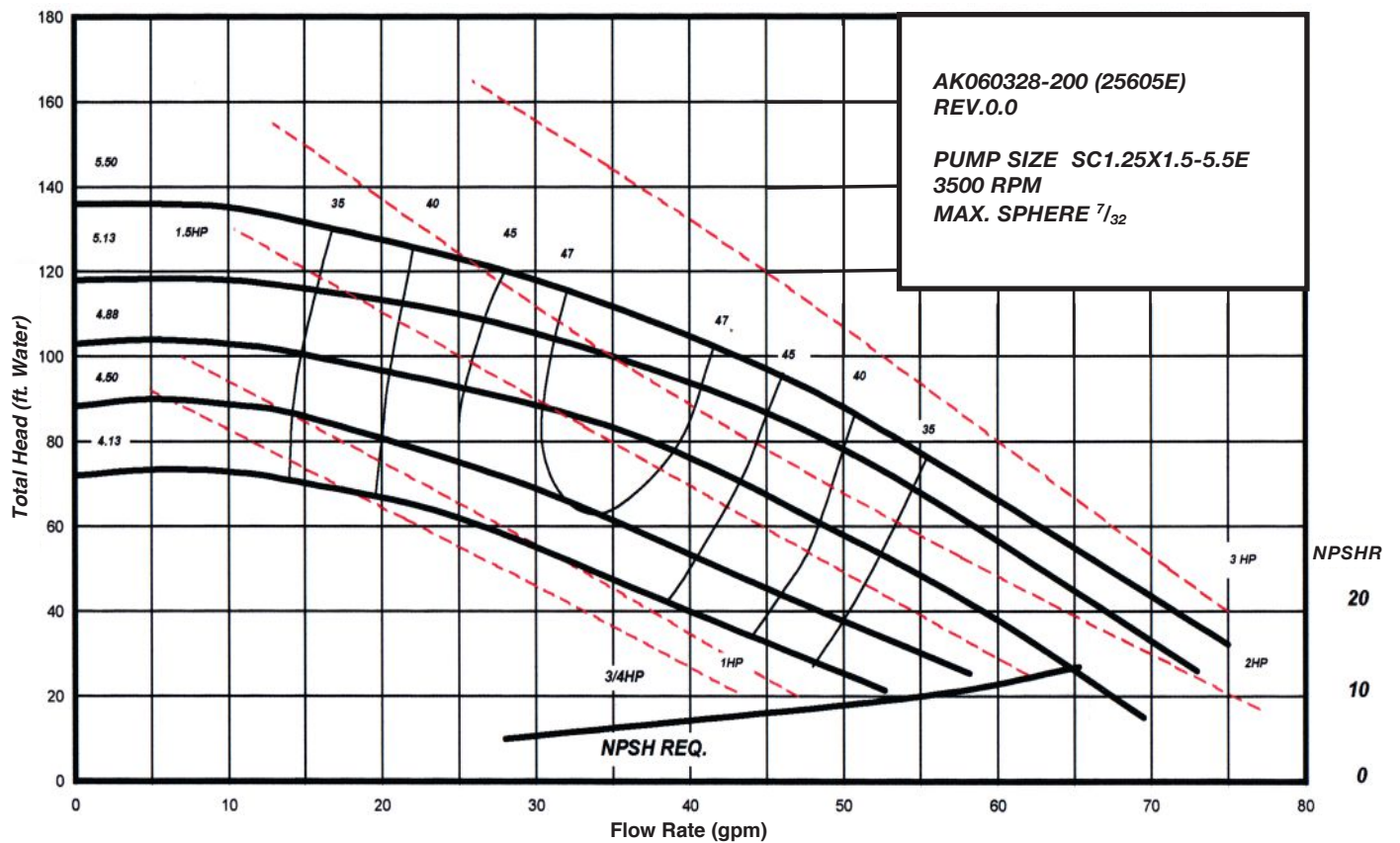


Pump Selection Curves

SC1.25x1.25-5.6E 3500 rpm—SC 1.5x1.5-5.6SE 3500 rpm

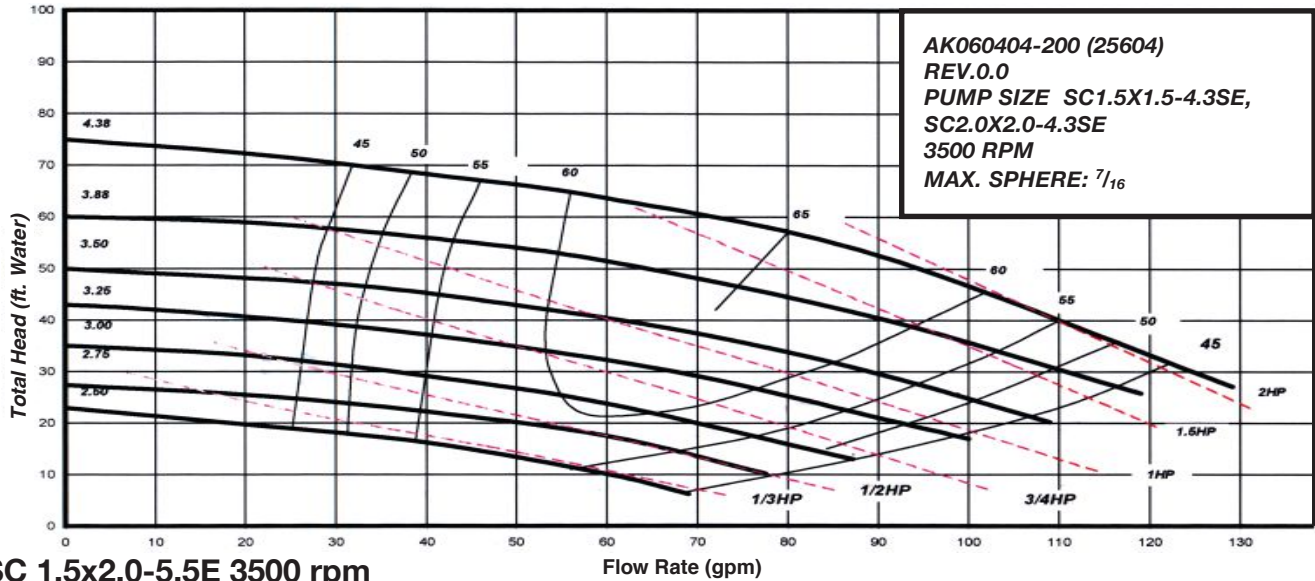


SC1.25x1.5-5.5E 3500 rpm

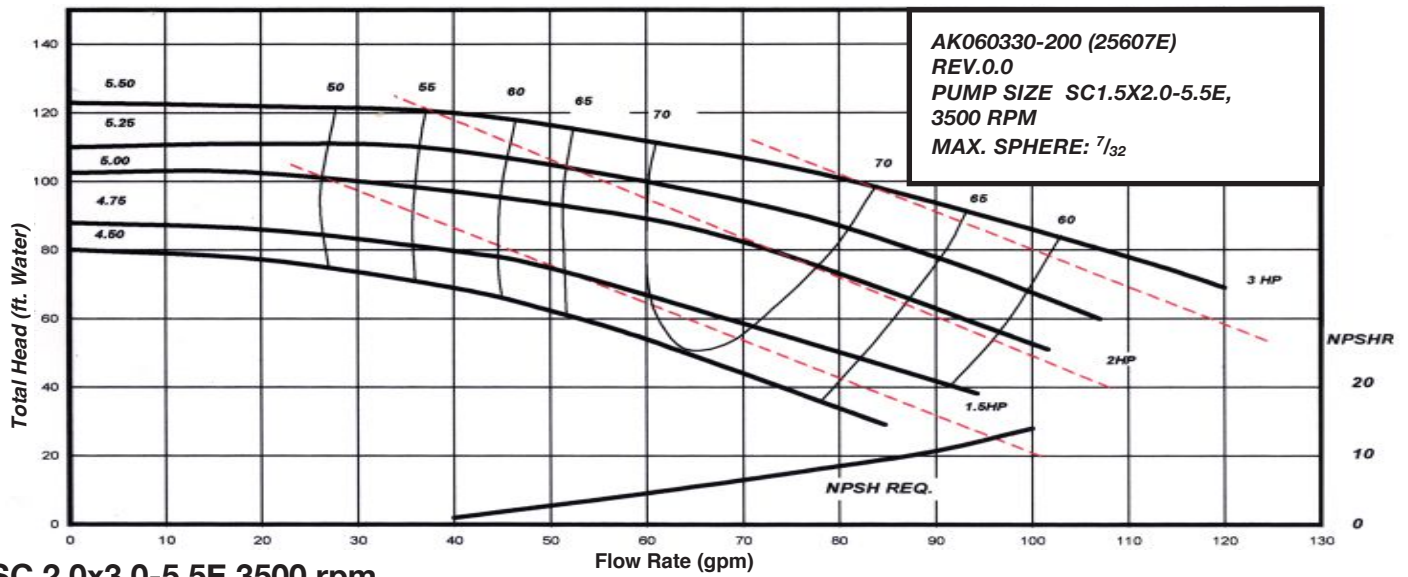


Pump Selection Curves

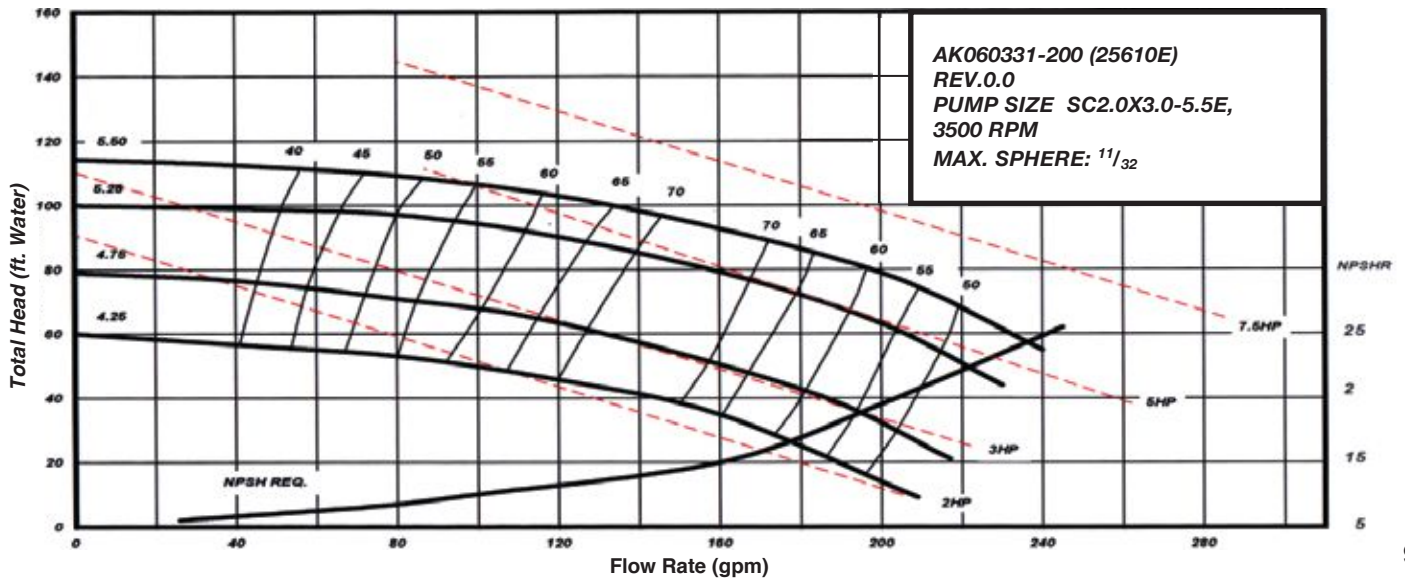
SC 1.5x1.5-4.3SE 3500 rpm and SC 2.0x2.0-4.3SE 3500 rpm



SC 1.5x2.0-5.5E 3500 rpm



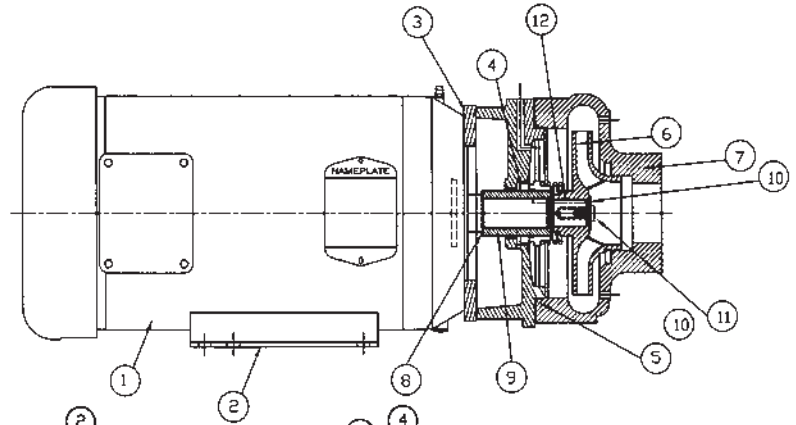
SC 2.0x3.0-5.5E 3500 rpm



SC-CC Series 184-215 Frame Diagrams

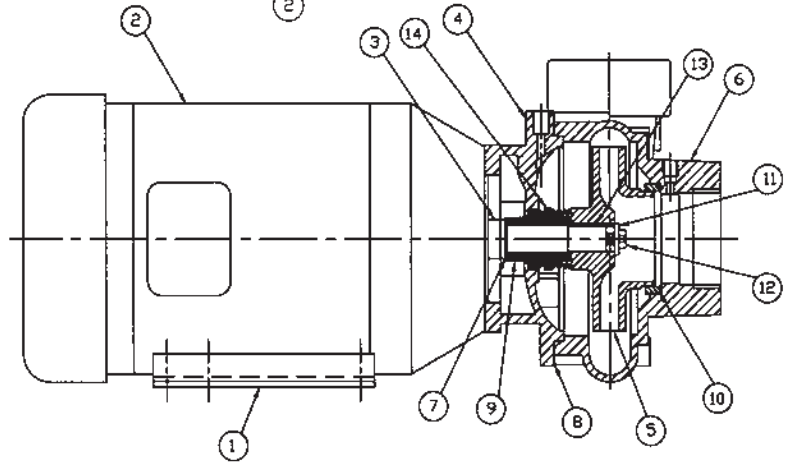
1. MOTOR
2. MOTOR BASE
3. STEM
4. MECHANICAL SEAL
5. O-RING
6. IMPELLER
7. IMPELLER HOUSING
8. SHAFT SLEEVE GASKET
9. SHAFT SLEEVE
10. IMPELLER RETAINING WASHER
11. IMPELLER RETAINING SCREW
12. KEY

SC2X2-5.5



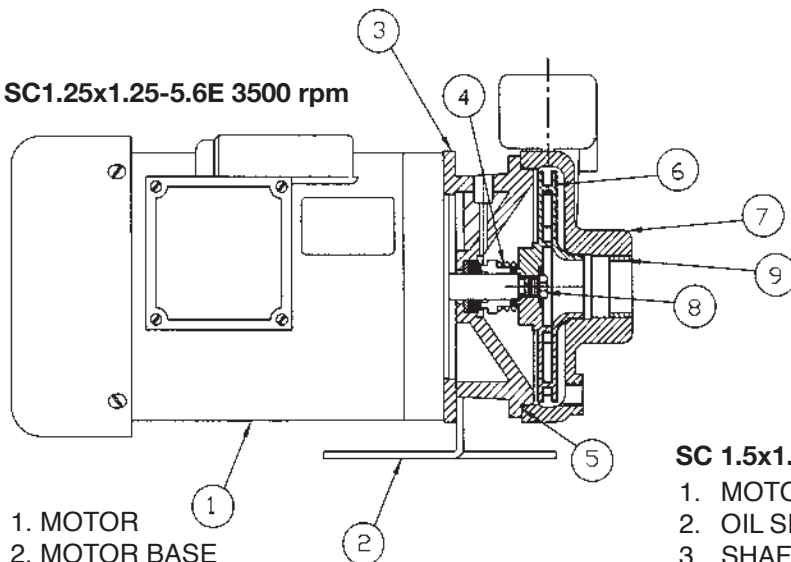
1. MOTOR BASE
2. MOTOR
3. SHAFT
4. STEM
5. IMPELLER
6. IMPELLER HOUSING
7. SHAFT SLEEVE GASKET
8. HOUSING GASKET
9. SHAFT SLEEVE
10. WEAR RING
11. IMPELLER WASHER
12. IMPELLER SCREW
13. KEY
14. MECHANICAL SEAL

SC3X3-6.5



SC-CC Series EV Frame Diagrams

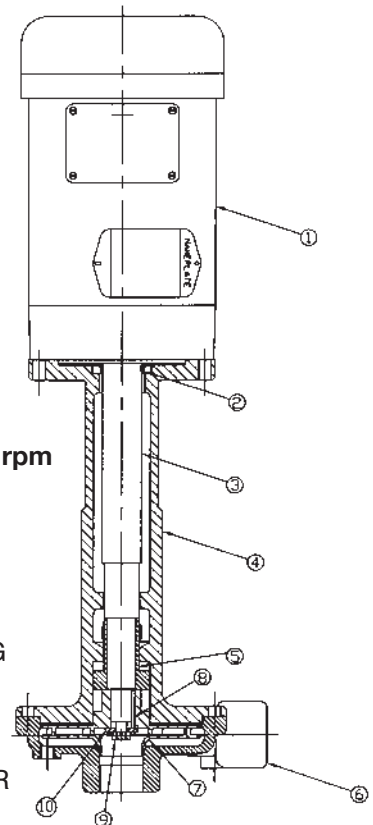
SC1.25x1.25-5.6E 3500 rpm



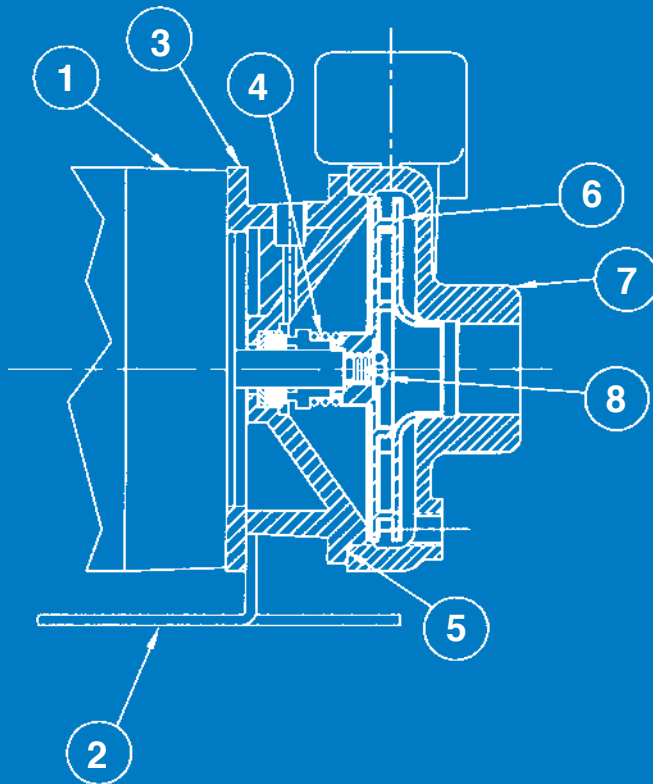
1. MOTOR
2. MOTOR BASE
3. STEM
4. MECHANICAL SEAL
5. O-RING
6. IMPELLER
7. IMPELLER HOUSING
8. IMPELLER RETAINING NUT
9. REDUCER BUSHING

SC 1.5x1.5-5.62EV 3450 rpm

1. MOTOR
2. OIL SEAL
3. SHAFT
4. STEM
5. THROTTLE SLEEVE
6. IMPELLER HOUSING
7. IMPELLER
8. KEY
9. RETAINING BOLT
10. RETAINING WASHER



Parts List



- 1. Motor
- 2. Motor Base
- 3. Stem
- 4. Mechanical Seal
- 5. O-Ring
- 6. Impeller
- 7. Impeller Housing
- 8. Impeller Nut

Ordering Information

Order the Gusher SC-CC Series Pump to meet your needs by model name. The model name should be specified as follows:

SC X X **SE or E** ☐ **CC** ☐ **4** ☐

Max Size Impeller
Closed-Coupled
Material (See Chart Below)

Discharge Size
Intake
Semi-enclosed or Enclosed Impeller*
12 O'clock Discharge Position**

*Some models are semi-enclosed, others are enclosed

** 4 = Discharge Position = 12 O'clock 1 = Discharge Position = 3 O'clock
 2 = Discharge Position = 6 O'clock 3 = Discharge Position = 9 O'clock
 Discharge position is determined while viewing pump from suction end.

Materials of Construction		
Material Designation	Type	Description
A	All Iron	Cast Iron Construction
B	Stainless Steel	316 Stainless Steel Wetted Parts
C	Stainless Steel Fitted	316 Stainless Steel Shaft and Impeller



A RUTHMAN COMPANY

www.Gusher.com

GUSHER PUMPS LOCATIONS

Williamstown Headquarters

115 Industrial Road
Williamstown, KY 41097
Phone: 859.824.5001
Fax: 859.824.3011
Email: Info@Gusher.com

Dry Ridge Manufacturing

22 Ruthman Drive
Dry Ridge, KY 41035
Phone: 859.824.5001
Fax: 859.824.3011
Email: Info@Gusher.com

Dry Ridge Training Facility

3565 Dixie Highway
Dry Ridge, KY 41035
Phone: 859.824.5001
Email: Info@Gusher.com

New Castle Sales & Service

403 North Ninth Street
New Castle, IN 47362
Phone: 765.529.5624
Fax: 765.521.0008
Email: GusherNC@Gusher.com

Gusher Pumps, Shanghai

655 Caosheng Rd, Jiading District
Shanghai, China 201808
Phone: +86 (021) 55151993
Email: Flomo@Gusher.com

Ruthman Companies: A family-owned business supplying pumps for over 100 years



Ruthman Companies was co-founded in 1912 by brothers Alois and Edward Ruthman as the Ruthman Machinery Company. Based in Cincinnati, the company serviced the steamboats that traveled the Ohio River.

In 1924, Alois conceived the first sealless centrifugal pump, coining the term "coolant pump." The brothers named this new pump "Gusher," giving birth to what is now Ruthman Companies' flagship brand, Gusher Pumps.

Alois' son Thomas R. Ruthman joined the family business in 1949, growing the business globally through organic growth and the acquisition of complementary technologies. In the early 1990s, Alois' grandson, Thomas G. Ruthman, became the third generation of Ruthmans in the pump business. Over the years, Ruthman Companies has expanded its product line from the original centrifugal coolant pumps to include valves, vertical turbine pumps, positive displacement pumps, gear pumps, and other specialized pump equipment, while upholding its reputation as a leader in the custom engineering of pumps for the most challenging applications.

RUTHMAN COMPANIES MANUFACTURING DIVISIONS

BSM Pump Corp.

180 Frenchtown Road
North Kingstown, RI 02852
Phone: 401.471.6350
Fax: 401.471.6370
Email: Sales@BSMPump.com
www.BSMPump.com

Fulflo Hydraulic Valves

459 East Fancy Street
Blanchester, OH 45107
Phone: 937.783.2411
Fax: 937.783.4983
Email: Info@Fulflo.com
www.Fulflo.com

Nagle Pumps

1249 Center Avenue
Chicago Heights, IL 60411
Phone: 708.754.2940
Fax: 708.754.2944
www.NaglePumps.com

Process Systems Inc., Headquarters

23633 Pinewood Street
Warren, MI 48091
Phone: 586.757.5711
Fax: 586.758.6996
Email: Sales@PSI4Pumps.com
www.PSI4Pumps.com

Process Systems Inc., Midwest Service

485 N. State Route 341 South
Mellott, IN 47958
Phone: 765.295.2206
Fax: 765.295.2343
Email: Sales@PSI4Pumps.com
www.PSI4Pumps.com

RAE Pumps

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Ruthman Pumps & Service

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Fax: + 49 (0) 2401 80489-20
Email: Info@RuthmannPumpen.de
www.RuthmannPumpen.de

RUTHMAN COMPANIES HEADQUARTERS

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West Chester, OH 45069
Phone: 513.559.1901
www.RuthmanCompanies.com



RUTHMAN
Engineering Pump Solutions™

RC19-018/03-20