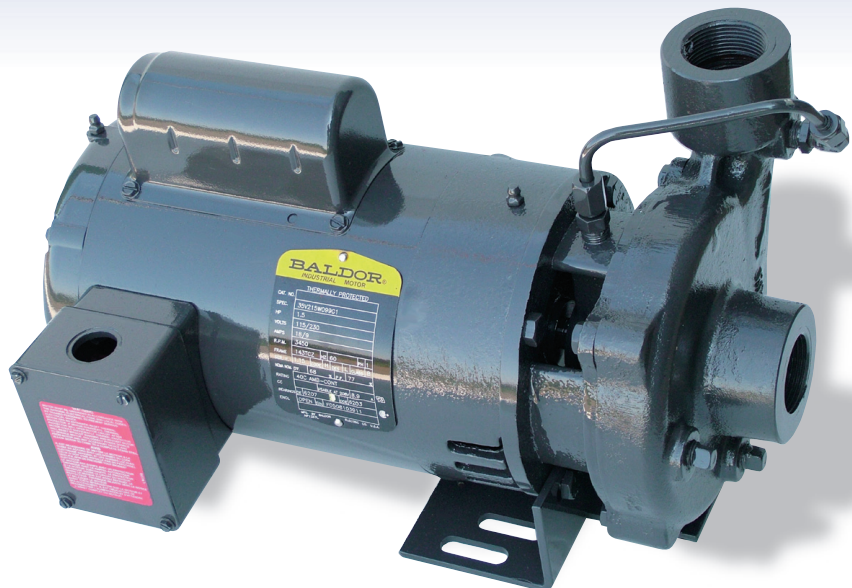




General Service Industrial Close-Coupled Pumps

SC-CC Series



www.gusher.com

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

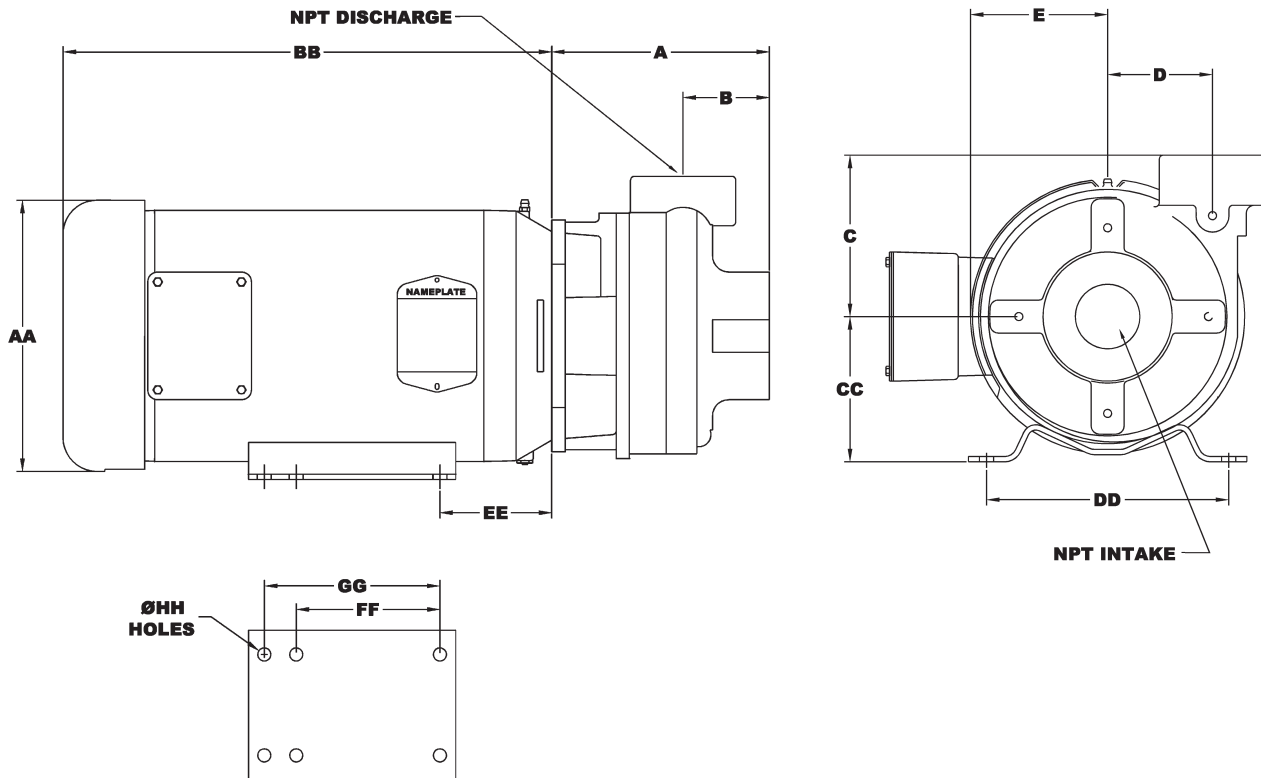
For general service pumping or industrial services, the SC-CC Series is a perfect reliable and economical solution. The close-coupled design makes installation extremely simple.

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

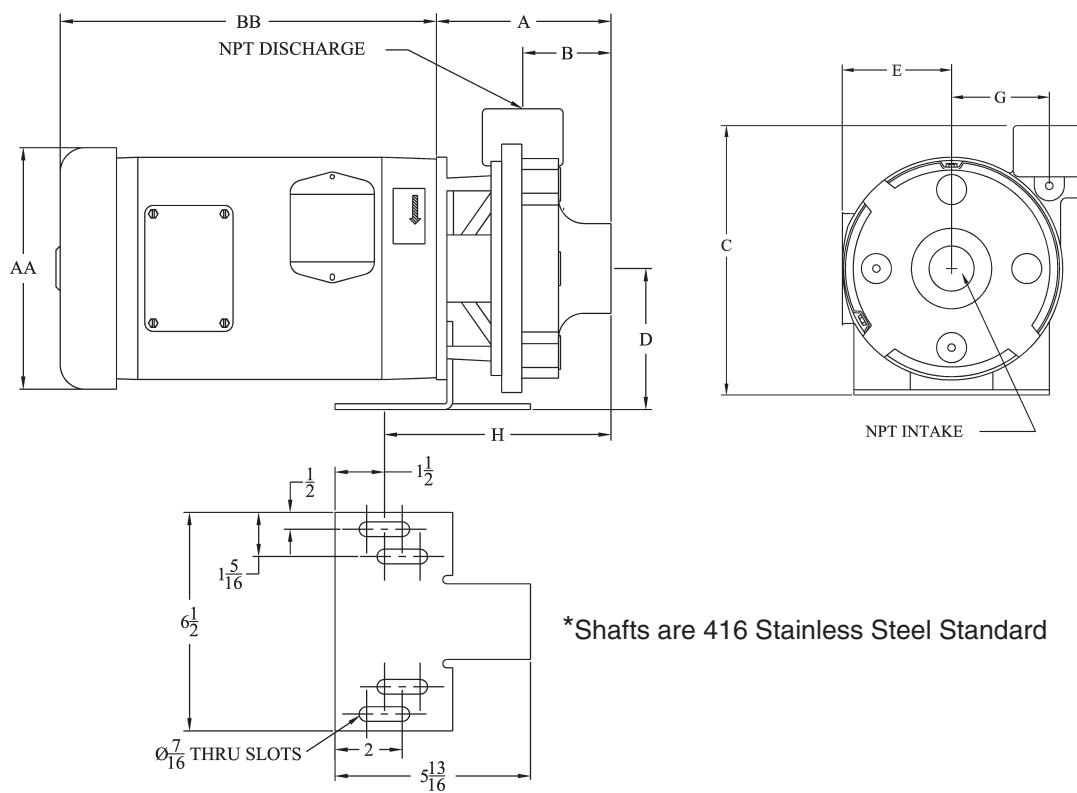
SC-CC Series 184-215 Frame



Model	A	B	C	D	E	Discharge	Intake
SC2X2-5.5	6 13/16	2 11/16	5	3 1/4	4	2	2
SC3X3-6.5	8 1/2	4	6 5/16	4 5/8	4 9/16	3	3

Motors	Frame	AA	BB	CC	DD	EE	FF	GG	HH
5 HP	184	8.6	13.81	4.5	7 1/2	3 1/2	4 1/2	5 1/2	6-.41
7.5 HP	184	8.49	15.28	4.5	7 1/2	3 1/2	4 1/2	5 1/2	6-.41
10 HP	215	10.22	15.26	5.25	8 1/2	4 1/2	5 1/2	7	6-.41
15 HP	215	10.18	6.68	5.25	8 1/2	4 1/2	5 1/2	7	6-.41

SC-CC Series 56J Frame

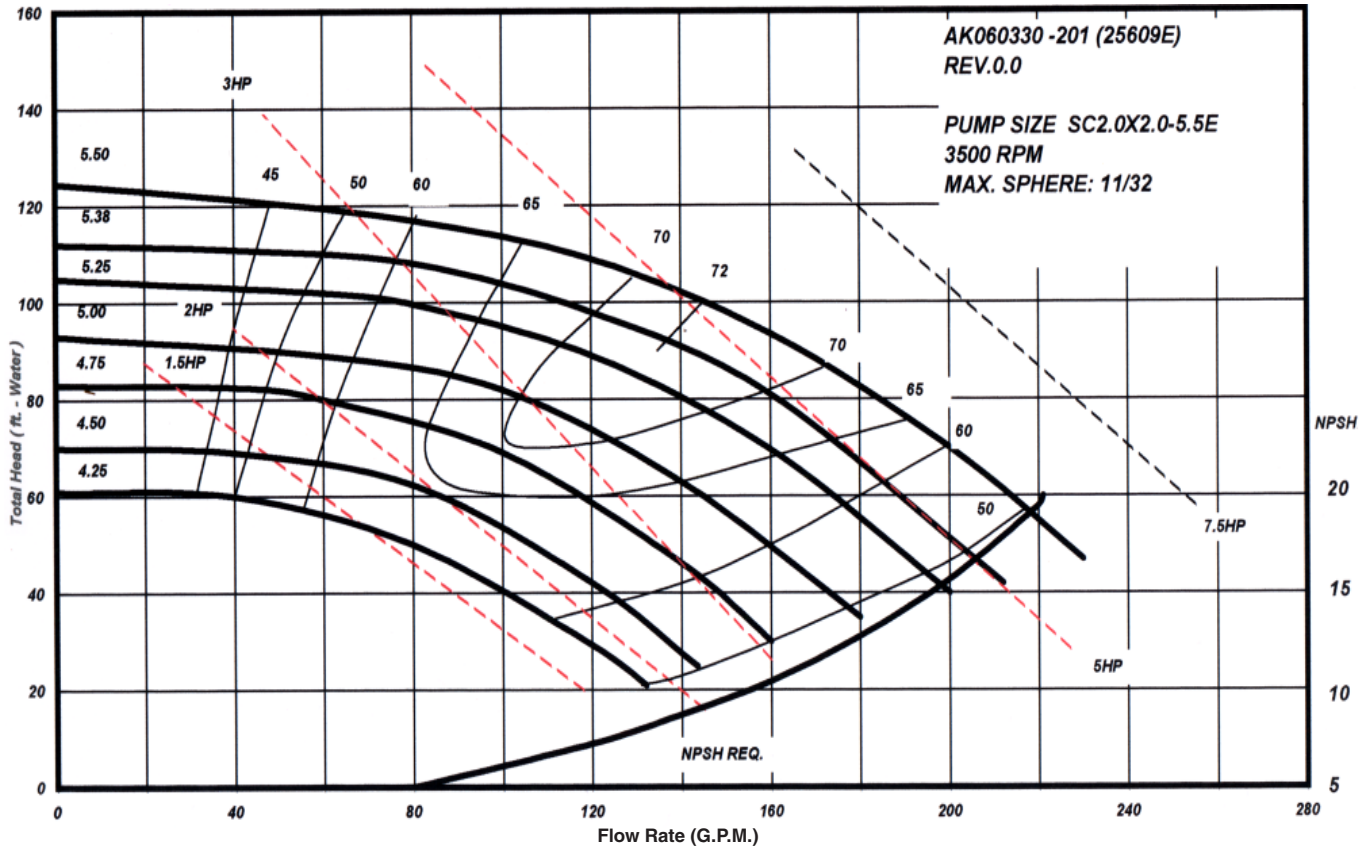


Model	A	B	C	D	E	G	H	Discharge	Intake
SC.75X1.0-3.4E	3 5/8	1 1/3	6 1/4	3 1/2	2 3/16	1 7/8	4 1/8	.75	1
SC1X1.25-3.4E	3 5/8	1	6 1/2	3 1/2	3	1 13/16	4 1/8	1	1.25
SC1X1.25-5E	4 3/4	2 1/8	8 15/16	4 3/16	3 11/16	2 1/8	6 1/4	1	1.25
SC1X1.25-5.6E	4 9/16	1 7/8	7 15/16	4 3/16	3 5/16	3 1/8	6 1/16	1	1.25
SC1.25X1.25-5.6E	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

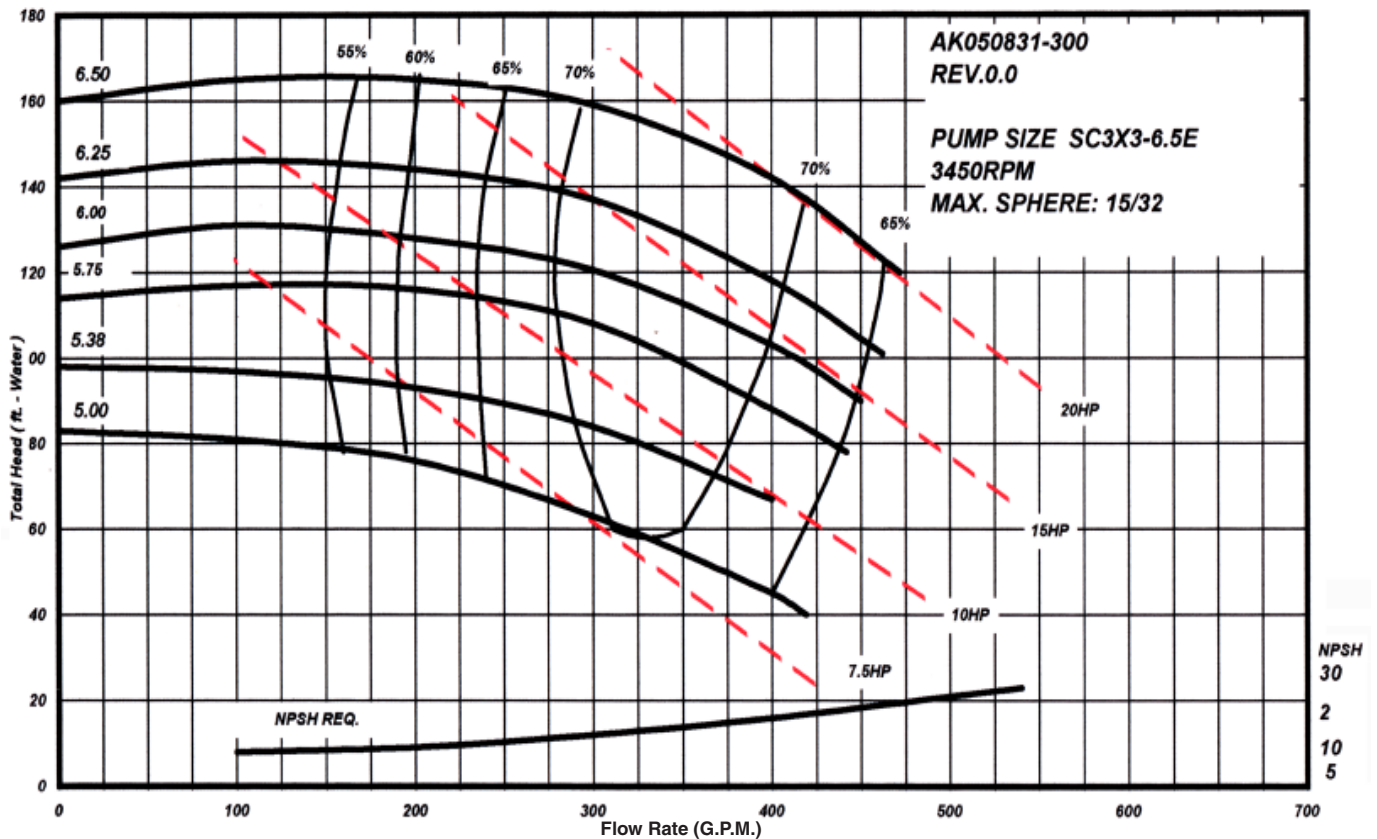
Motors	Frame	AA	BB
.50 HP	56J	6.19	9.28
.75 HP	56J	6.19	9.28
1 HP	56J	6.19	9.28
1.5 HP	56J	7.19	12.23
2 HP	56J	7.19	12.06
3HP	56J	7.19	11.18

Pump Selection Curves

SC 2.0x2.0-5.5SE 3500 rpm

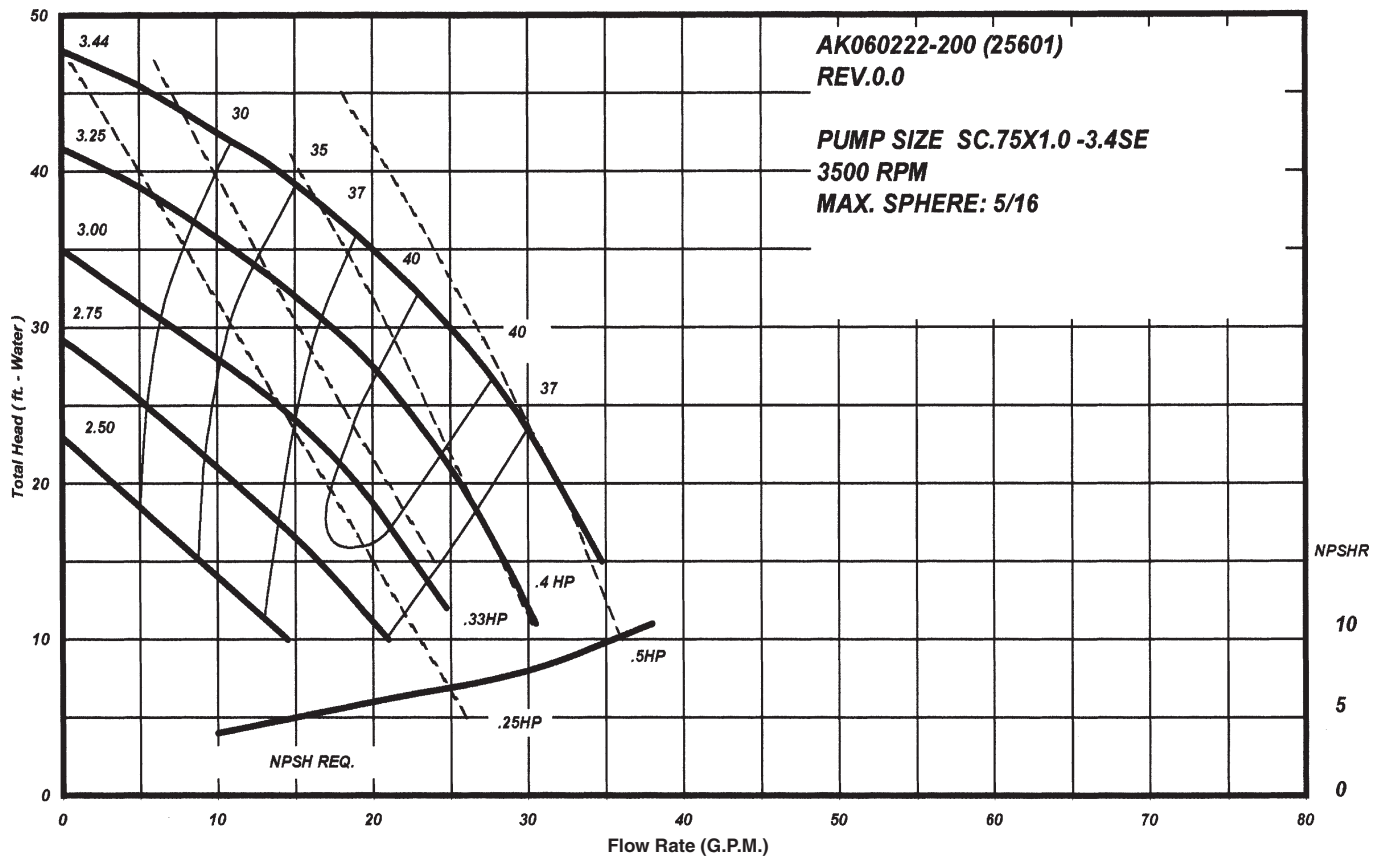


SC 3.0x3.0-6.5E 3450 rpm

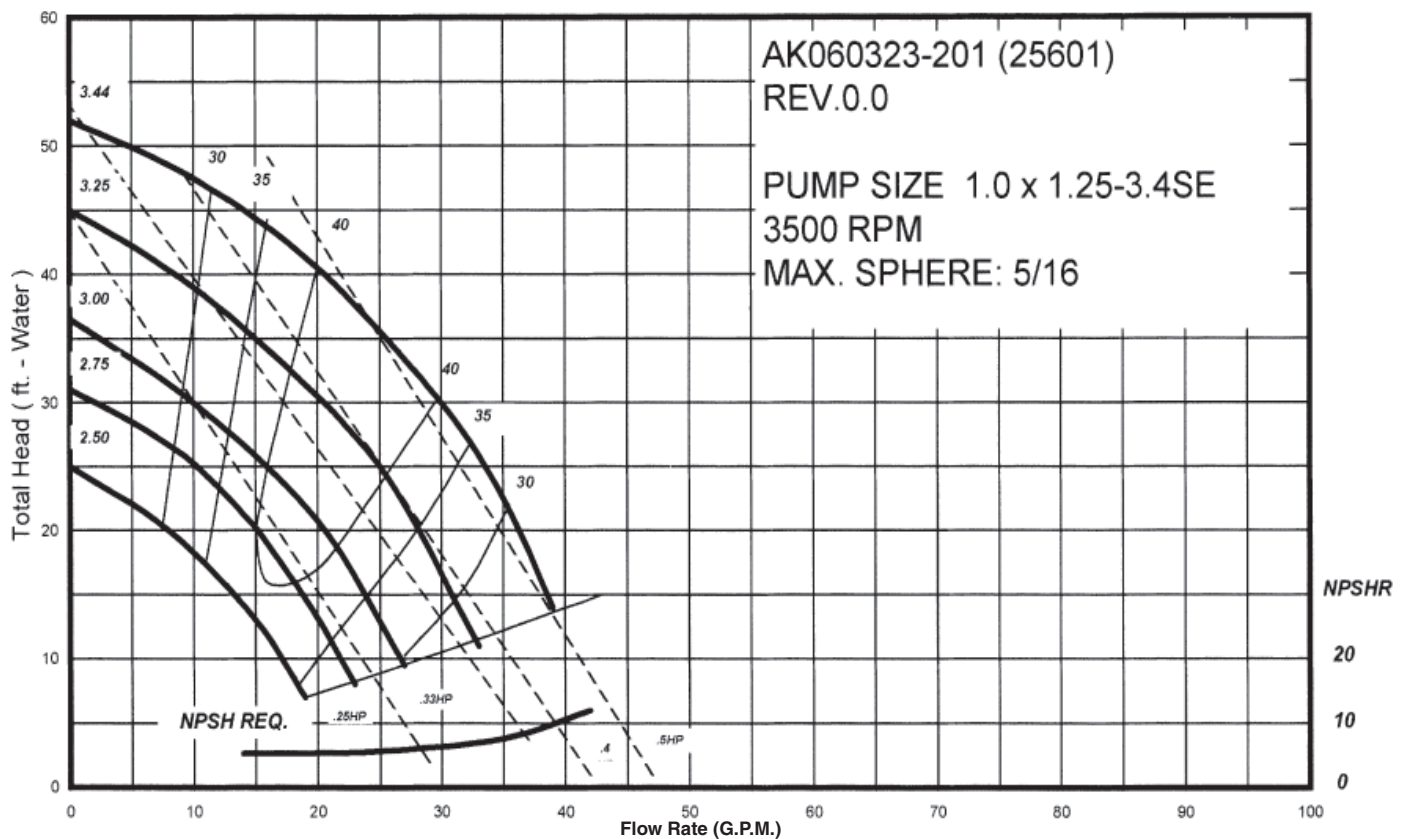


Pump Selection Curves

SC .75x1.0-3.4SE 3500 rpm

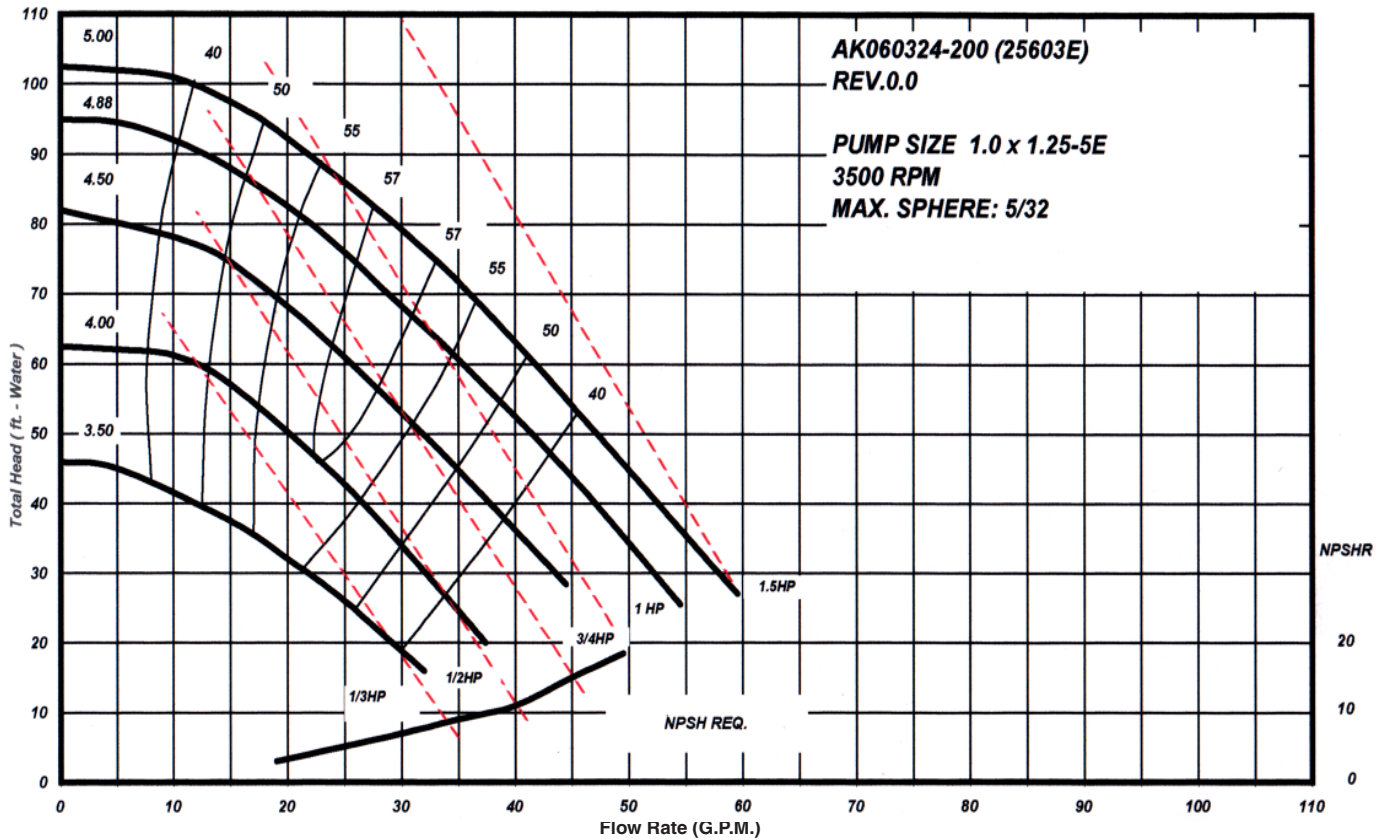


SC 1.0x1.25-3.4SE 3500 rpm

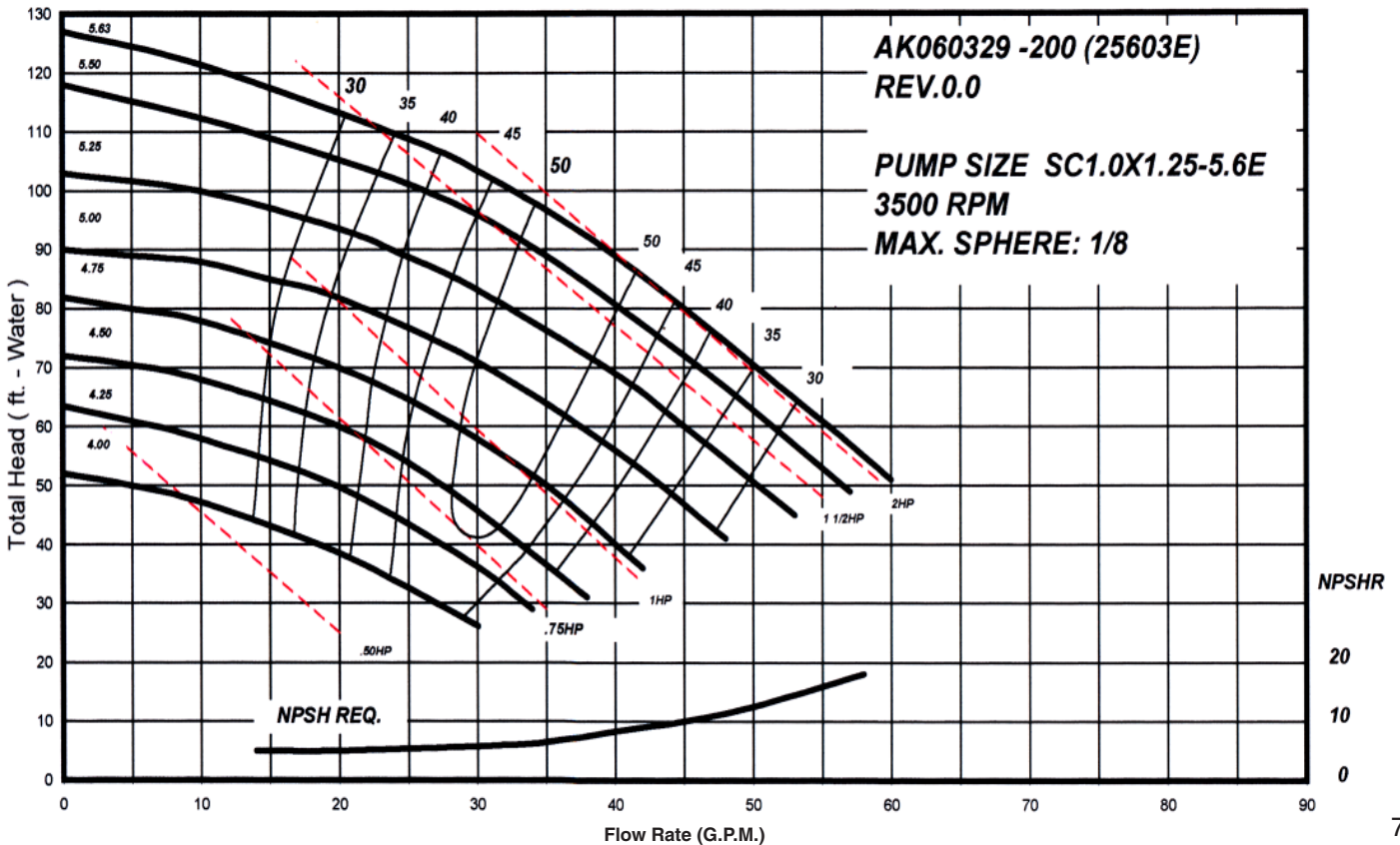


Pump Selection Curves

SC1.0x1.25-5SE 3500 rpm

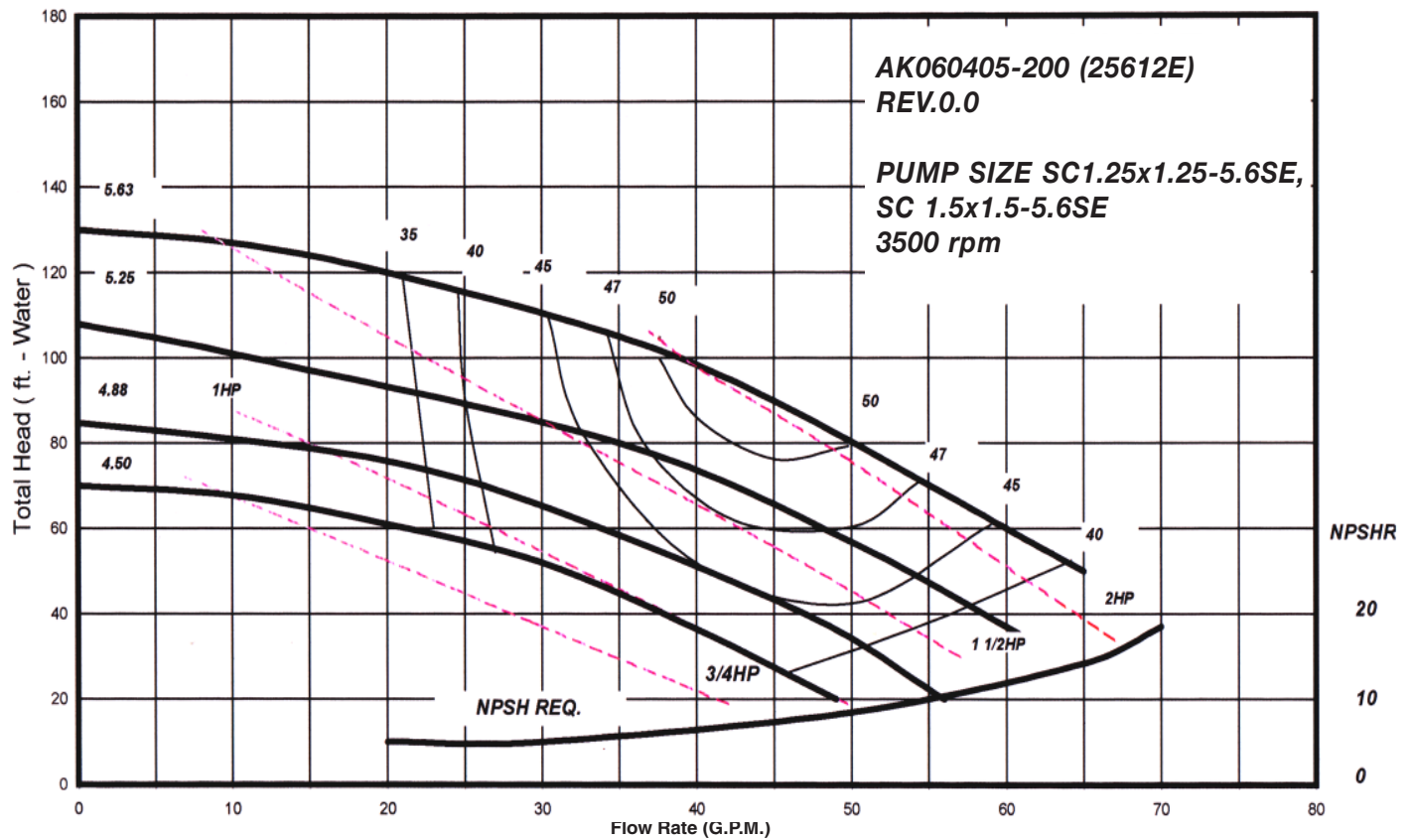


SC 1.0x1.25-5.6E 3500 rpm

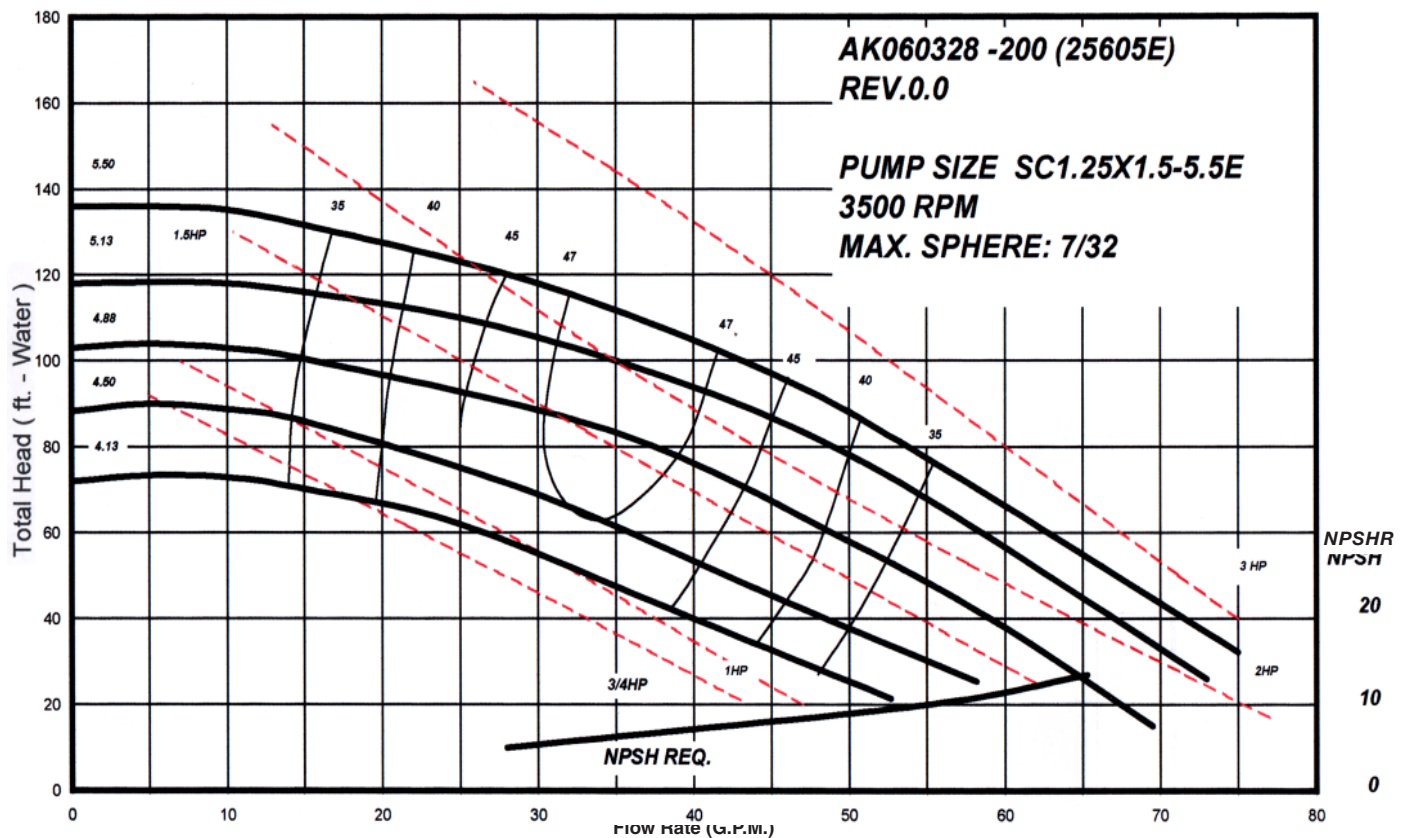


Pump Selection Curves

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

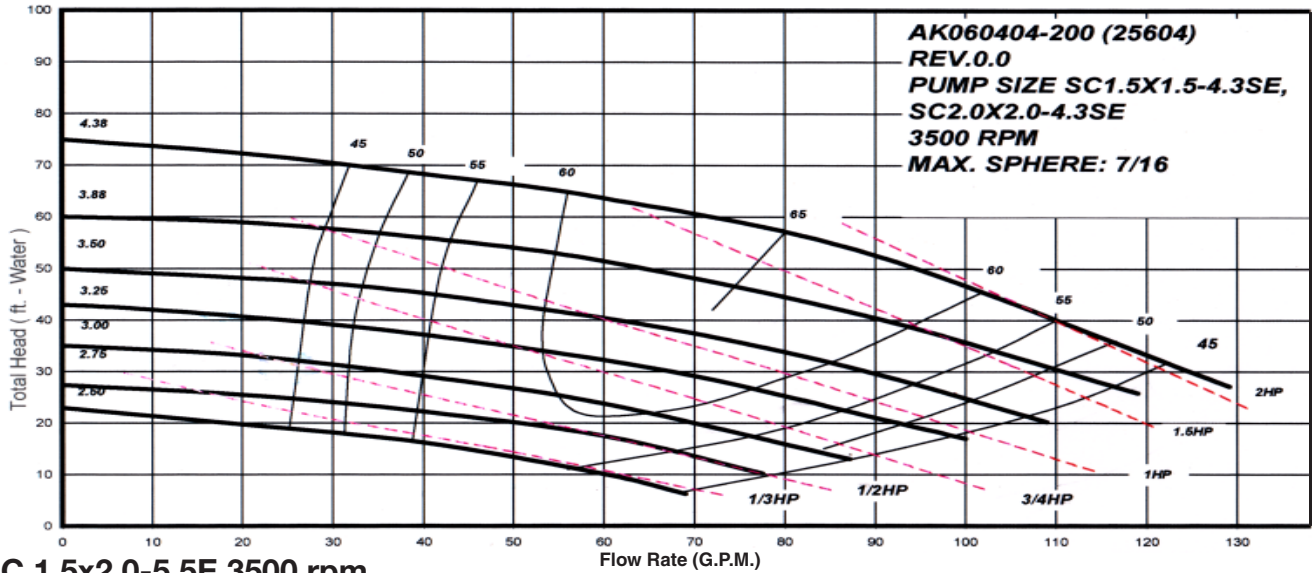


SC1.25x1.5-5.5E 3500 rpm

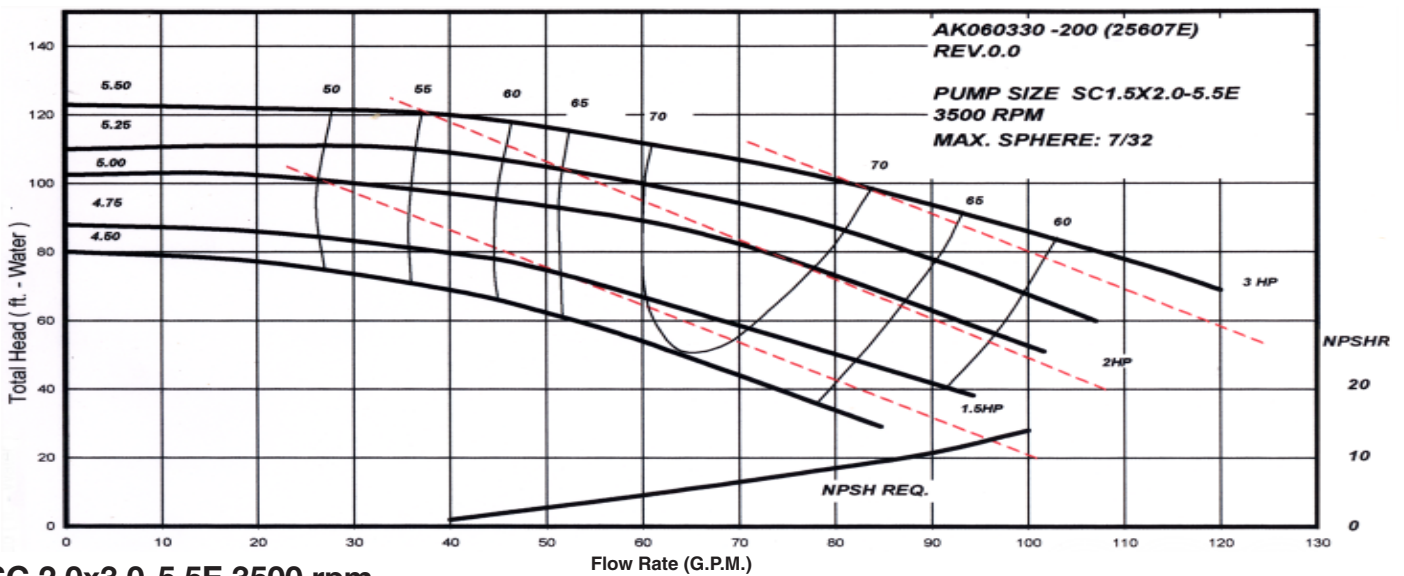


Pump Selection Curves

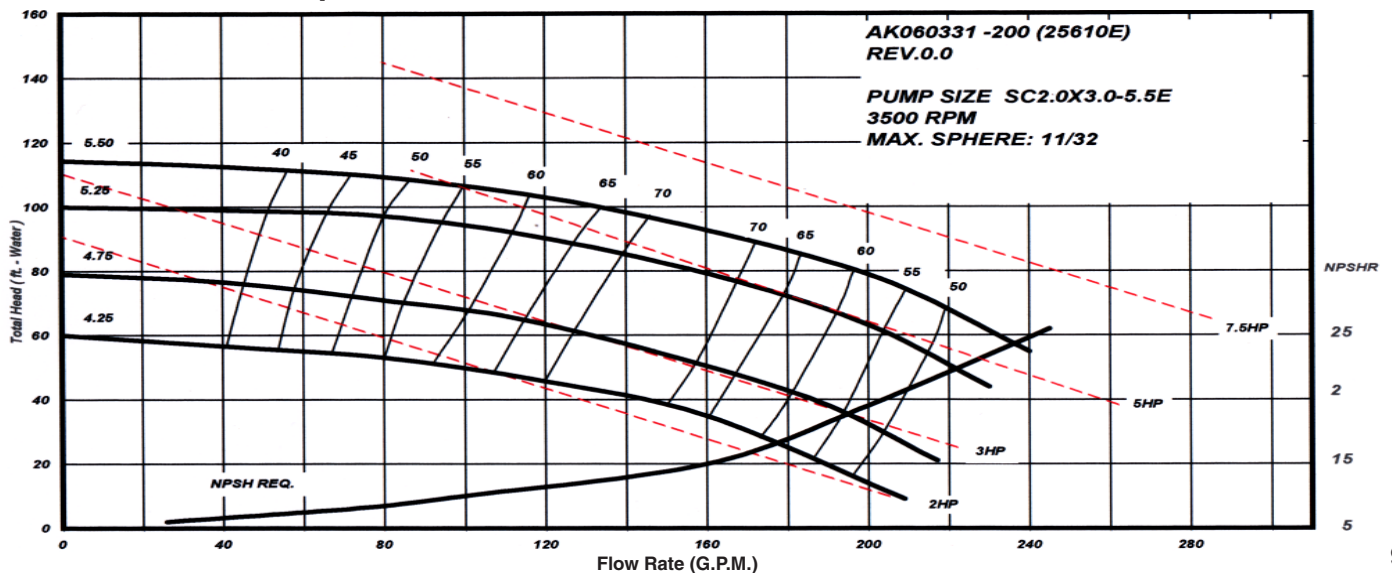
SC 1.5x1.5-4.3SE 3500 rpm—SC 2.0x2.0-4.3SE 3500 rpm—



SC 1.5x2.0-5.5E 3500 rpm



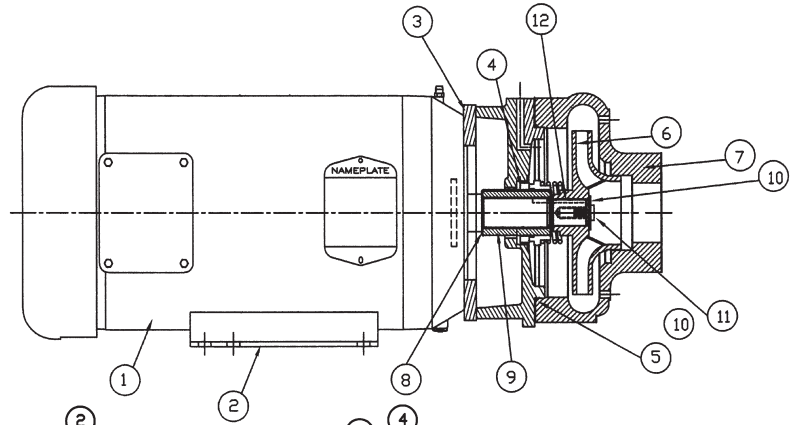
SC 2.0x3.0-5.5E 3500 rpm



SC-CC Series 184-215 Frame Diagrams

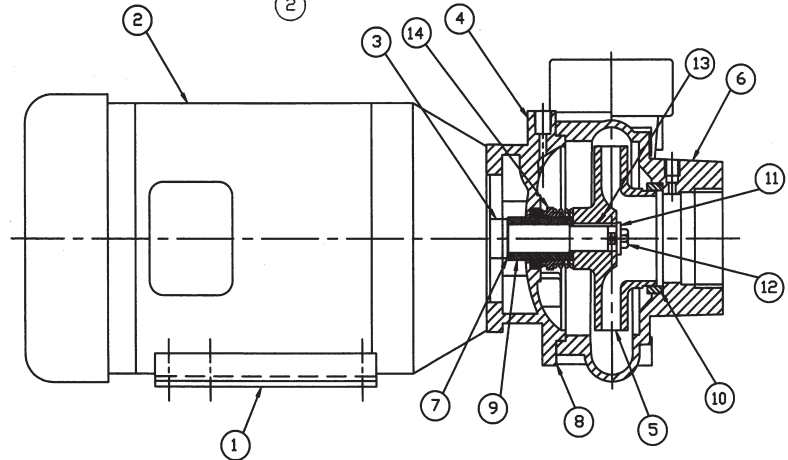
1. MOTOR
2. MOTOR BASE
3. STEM
4. MECHANICAL SEAL
5. O-RING
6. IMPELLER
7. IMPELLER HOUSING
8. SHAFT SLEEVE GASKET
9. SHAFT SLEEVE
10. IMPELLER RETAINING WASHER
11. IMPELLER RETAINING SCREW
12. KEY

SC2X2-5.5



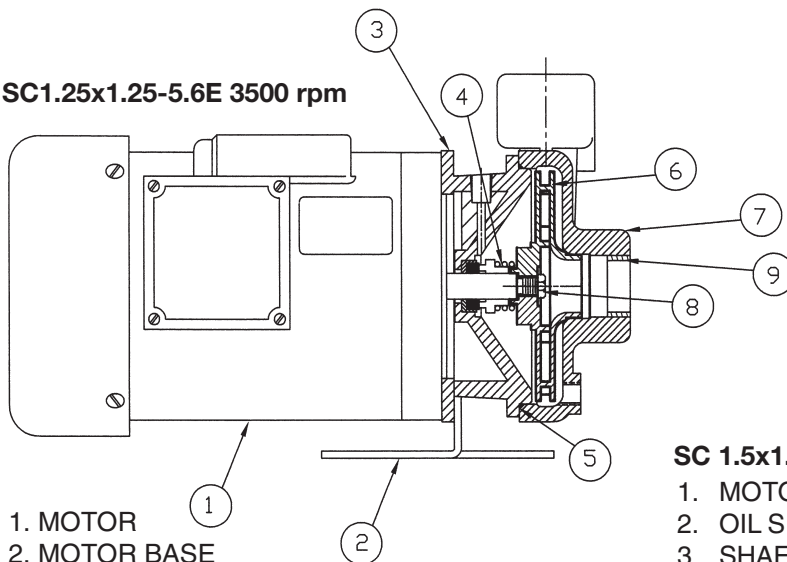
1. MOTOR BASE
2. MOTOR
3. SHAFT
4. STEM
5. IMPELLER
6. IMPELLER HOUSING
7. SHAFT SLEEVE GASKET
8. HOUSING GASKET
9. SHAFT SLEEVE
10. WEAR RING
11. IMPELLER WASHER
12. IMPELLER SCREW
13. KEY
14. MECHANICAL SEAL

SC3X3-6.5



SC-CC Series EV Frame Diagrams

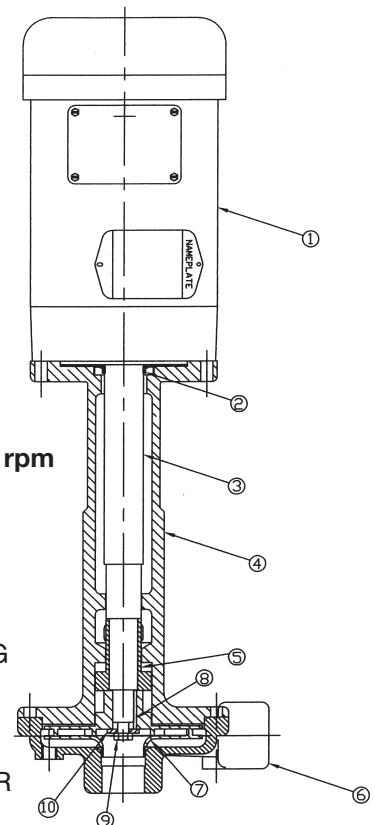
SC1.25x1.25-5.6E 3500 rpm



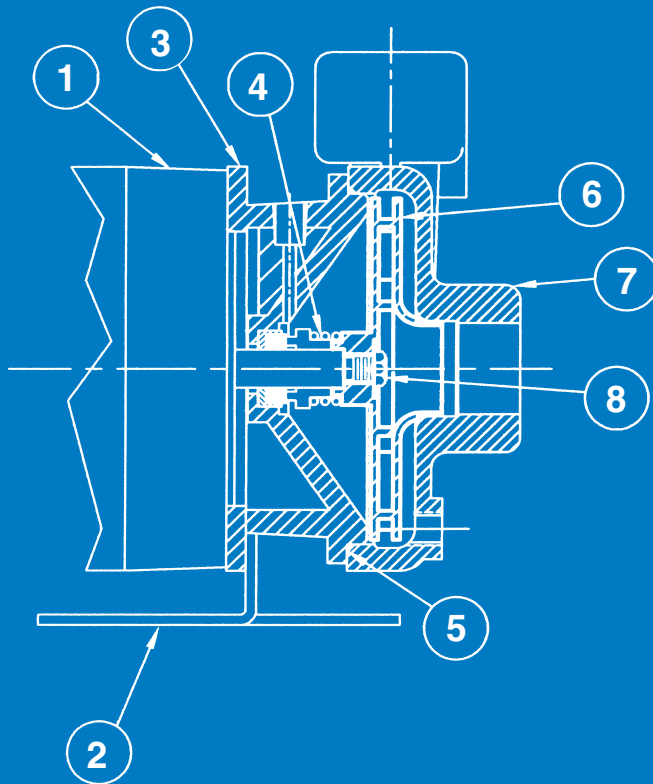
1. MOTOR
2. MOTOR BASE
3. STEM
4. MECHANICAL SEAL
5. O-RING
6. IMPELLER
7. IMPELLER HOUSING
8. IMPELLER RETAINING NUT
9. REDUCER BUSHING

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:

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

SC **X** **X** **SE or E** **-** CC **-** 4 **-**

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

**Gusher Pumps is a Division of
Ruthman Companies
Corporate Headquarters**

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Cincinnati, OH 45233
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Fax: 513-559-0035
Web: www.ruthmancompanies.com

Gusher Pumps of Dry Ridge

22 Ruthman Drive
Dry Ridge, KY 41035
Phone: 859-824-5001
Fax: 859-824-3011
Web: www.gusher.com

Gusher Pumps of Williamstown

115 Industrial Drive
Williamstown, KY 41097
Phone: 859-824-3100
Fax: 859-824-7248
Web: www.gusher.com

Gusher Pumps of Cincinnati

1212 Streng Street
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Phone: 513-559-1901
Fax: 513-559-0035
Web: www.gusher.com

Gusher Pumps of California

8226 Salt Lake Avenue
Cudahy, CA 90201
Phone: 323-773-0847
Fax: 323-773-0958
Email: gusherca@aol.com

Gusher Pumps of New Castle

403 North Ninth Street
New Castle, IN 47362
Phone: 765-529-5624
Fax: 765-521-0008
Email: gusherpump@insightbb.com

BSM Pump Corp.

180 Frenchtown Road
North Kingstown, RI 02852
Phone: 401-471-6350
Fax: 401-471-6370
Web: www.bsmpump.com

Nagle Pumps

1249 Center Avenue
Chicago Heights, IL 60411
Phone: 708-754-2940
Fax: 708-754-2944
Web: www.naglepumps.com

Wagner Processing – Bay Area

23510 Bernhardt Street
Hayward, CA 94545
Phone: 510-786-3929
Fax: 510-786-3722
Web: www.wagnerprocess.com

Ruthman... Another Word for Innovation



It began in 1913, servicing mechanical components of the steamboats on the Ohio River. The company founder, Alois Ruthman, was a man of vision and saw part of the future of the company was in the development of a reliable industrial pump.

In 1924, with the conception of the first vertical ball bearing sealless centrifugal pump, Ruthman Pump and Engineering furthered the design on a unit with a one piece motor driven shaft. The pump was called "Gusher", giving birth to the trade name Gusher Pumps, and the coining of the term "coolant pump".

Wanting to carry on the tradition of quality and reliability started by his father, Thomas R. Ruthman joined the company in 1949. In the early 1990's Thomas R. Ruthman's son, Thomas G. Ruthman joined the company, continuing this same tradition. Maintaining the reputation of Gusher Pumps by innovation and customer service, the company has grown to service companies worldwide.

Wagner Processing – Central Valley

3675 N. Wilcox Street #C
Stockton, CA 95215
Phone: 209-931-0100
Fax: 209-931-7910
Web: www.wagnerprocess.com

Great Lakes Pump & Supply Co.

1075 Naughton
Troy, MI 48083
Phone: 248-528-9100
Fax: 248-528-9015
Web: www.greatlakespump.com

Process Systems, Inc.

Michigan, Main Headquarters
23633 Pinewood
Warren, MI 48091
Phone: 586-757-5711
Fax: 586-758-6996
Web: www.INFO@psi4pumps.com

Indiana

485 N State Route 341 South
Mellott, IN 47958
Phone: 765-295-2206
Fax: 765-295-2243
Web: www.process-systems-inc.com

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Fax: +49 (0) 2403 5595 20
Web: www.ruthmannpumpen.de

Birmingham Pump

Unit 7 Network Park
Duddeston Mill Road
Saltley, Birmingham England B81AU
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COMPANIES**