



A-C Series Pumps

e-1500 • 2000 • 8100 • 8300 • 9100

BRACSERIES R2

xylem
Let's Solve Water



**LET'S TALK
TIMELESS
INNOVATION**

History of A-C Series Pumps

1884

Edward P. Allis & Company builds the largest centrifugal pump in America and begins their reputation in the pump industry.

1901

Edward P. Allis Company, Fraser & Chalmers, the Gates Iron Works, and Dickson Manufacturing form the first Allis-Chalmers Company.

1912

Reorganized as the Allis-Chalmers Manufacturing Company.

1988

Allis-Chalmers is acquired by ITT Corporation and their pumps are renamed the A-C Pump line.

2011

Xylem Inc. is formed from ITT Corporation's spinoff of several strategic business segments and takes responsibility of the A-C Series.

Let's Introduce Ourselves



We are Xylem, a global organization providing water solutions to more than 150 countries, focused on developing new technologies that will improve the way water is used, conserved, and re-used in the future. Our best-in-class customer service is what enables us to build and maintain our long-standing relationships with customers who recognize us for our leading product brands and applications expertise.

Our A-C Pump Series has a long-standing tradition of quality and durability that our customers have come to expect as standard. The A-C Series family of pumps includes vertical in-line, horizontal split-case and end suction pumps in a variety of sizes and configurations, making it ideal for industrial, commercial and municipal applications.

Ideal for general industry, irrigation and municipal water, water transfer, chilled and hot water circulation and more, these timeless style pumps deliver consistent results year after year. With added benefits such as pump internals that are capable of being serviced without disturbing piping connections or electrical connections, close coupled, frame mounted, single stage and cast iron bronze fitted construction, it's no wonder why these are considered the standard in many industrial and commercial applications.

Let us introduce you to best-in-class customer service that provides a partner and a pump that will last for years to come.

Series A-C e-1500

Single Stage In-Line Pump

Series A-C e-1500 is designed for light industrial and general water transportation. Made of rugged cast iron, this heavy-duty, in-line, close-coupled pump can be mounted horizontally or vertically, eliminating the need for special pads or foundations, making this option ideal where space is limited. Offered in a variety of sizes to meet all of your needs, it's no wonder why this pump's timeless design delivers quality performance wherever and whenever it's needed.

FEATURES:

- Standard internal flushed BUNA / carbon seal
- Precisely machined rigid motor bracket

BENEFITS:

- Space-saving
- Flexible mounting options
- Cost-effective

APPLICATIONS:

- Light industrial
- General water transportation

LITERATURE AVAILABLE ONLINE:

<http://goulds.com/ac-series>

Technical Brochure: BAC1500 R1

Sales Sheet: ACe1500SALES

Instruction Manual:
P2002884_A_2016-02_e1500

Curves: CACe1500 Series A-C curves_7_7_16

Repair Parts: RAC1500 R2

Submittals: e-AC1500SUB

NOTE: More detailed Materials of Construction can be found in the Technical Brochure.

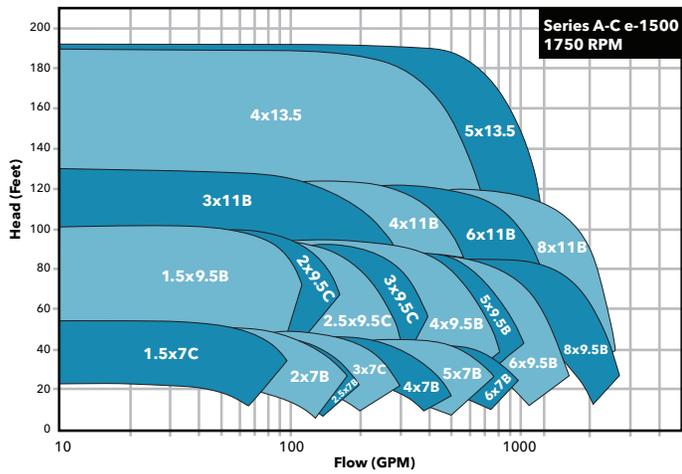
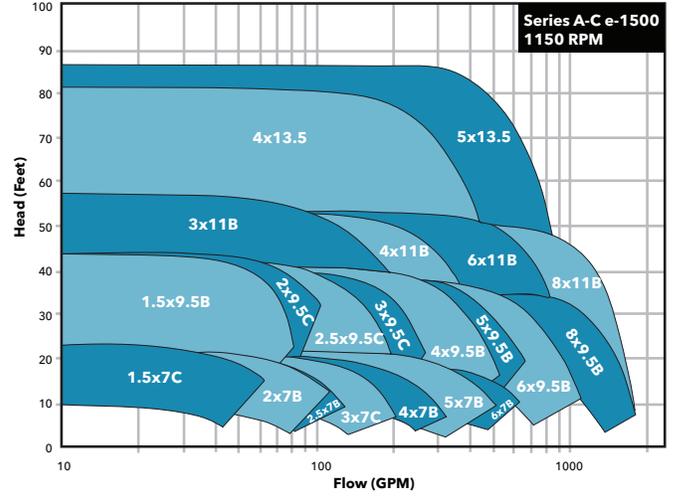
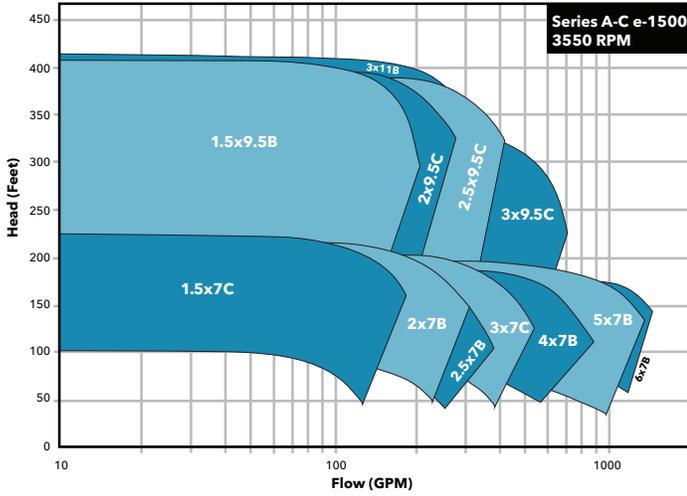
MATERIALS OF CONSTRUCTION

(for parts in contact with fluid pumped)

DESCRIPTION	STAINLESS STEEL FITTED PUMP
1. Shaft	Carbon Steel
2. Volute	Cast Iron ASTM #A48 Class B
3. Impeller	ASTM A743 Grade CF8 (304SS)
4. Shaft Sleeve	Stainless Steel
5. Impeller Key	#304 Stainless Steel
6. Volute Gasket	Cellulose Fiber
7. Seal Assemblies	
A. Standard Seal *	
Bellows	Buna-N
Faces	Carbon-Ceramic
Metal Parts	Brass or Stainless Steel
Spring	Stainless Steel
B. Flushed Single Seal For Stuffing Box Design	
O-Rings	EPR
Faces	Carbon-Tungsten Carbide
Metal Parts	Stainless Steel
Spring	Stainless Steel
C. Flushed Double Seal	
O-Rings	EPR
Faces	Carbon-Ceramic
Metal Parts	Stainless Steel

* STANDARD SEALS

Buna-PH Limitations 7-9; Temperature Range -20° to +225°F EPT-PH Limitations 7-11; Temperature Range -20° to +250°F. For use on open or closed clear water systems. Maximum working pressure 175 psi.



For more information on our product, visit <http://goulds.com/ac-series>

LET'S SUPPORT
LEGACY
PRODUCTS



A-C Series 2000

End Suction Frame Mounted - Models 100 and 150

A-C Series 2000 Model 100 and Model 150 frame-mounted end suction pumps are designed with top center line discharge that helps simplify piping layouts, reduces piping strain and is self-venting. Serviceability is a top priority at Xylem so the rotating element is easily removed without disturbing piping or driver when a spacer coupling is used. Added to the design is the rear pull-out feature making servicing simpler and faster on this pump. Additionally, the mounting feet are cast integrally with the casing for a robust installation. To top off these offerings, the models feature a hydraulically-balanced impeller which extends bearing life and ensures a smooth, quiet operation. With all of these options, this pump continues to be an industry favorite.

FEATURES:

Model 100/150 (Frame Mounted): Flow to 3100 GPM; Heads to 360 ft TDH; Temperature to 250°F; Available in 30 sizes; Working pressure: varies by size 175-215 psi with 125 psi ANSI flanges; ANSI / OSHA-compliant coupling guard (standard on all model 150 pumps).

BENEFITS:

- Regreasable Bearing Frame
- Minimized maintenance costs
- Time saving serviceability
- True separation from motor to volute
- Reduction of vibration due to the base

APPLICATIONS:

- General industry
- Water supply condenser
- Water transfer chilled and hot water circulation

LITERATURE AVAILABLE ONLINE:

<http://goulds.com/ac-series>

Technical Brochure: BAC2000

Sales Sheet: AC2000CCSALES and AC2000FMSALES

Instruction Manual:

AC-0920 and AC-0922

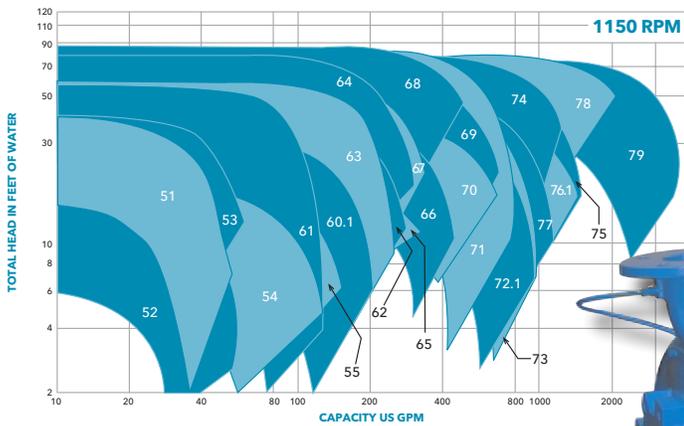
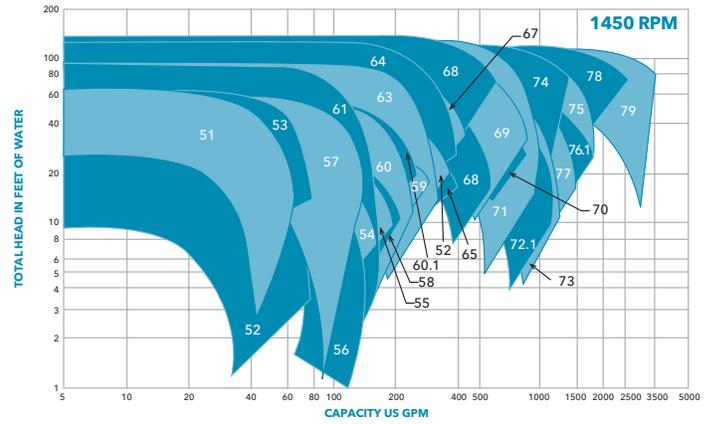
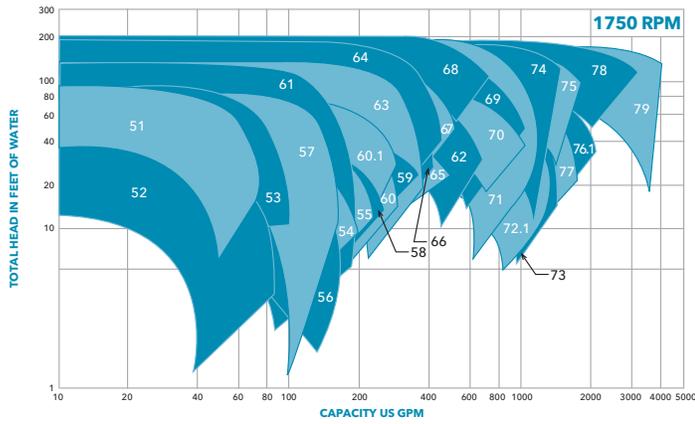
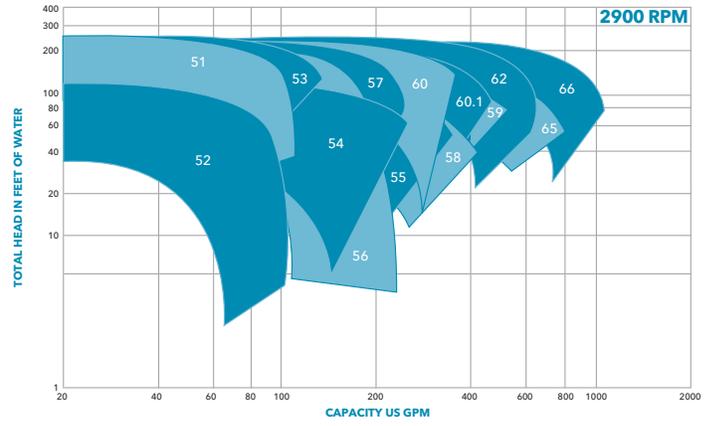
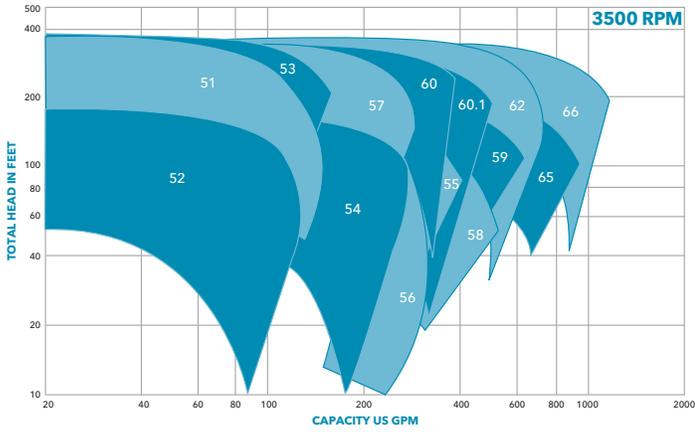
Curves: CAC2000 R1 and CAC200050 R1

Repair Parts: RAC2000 R1

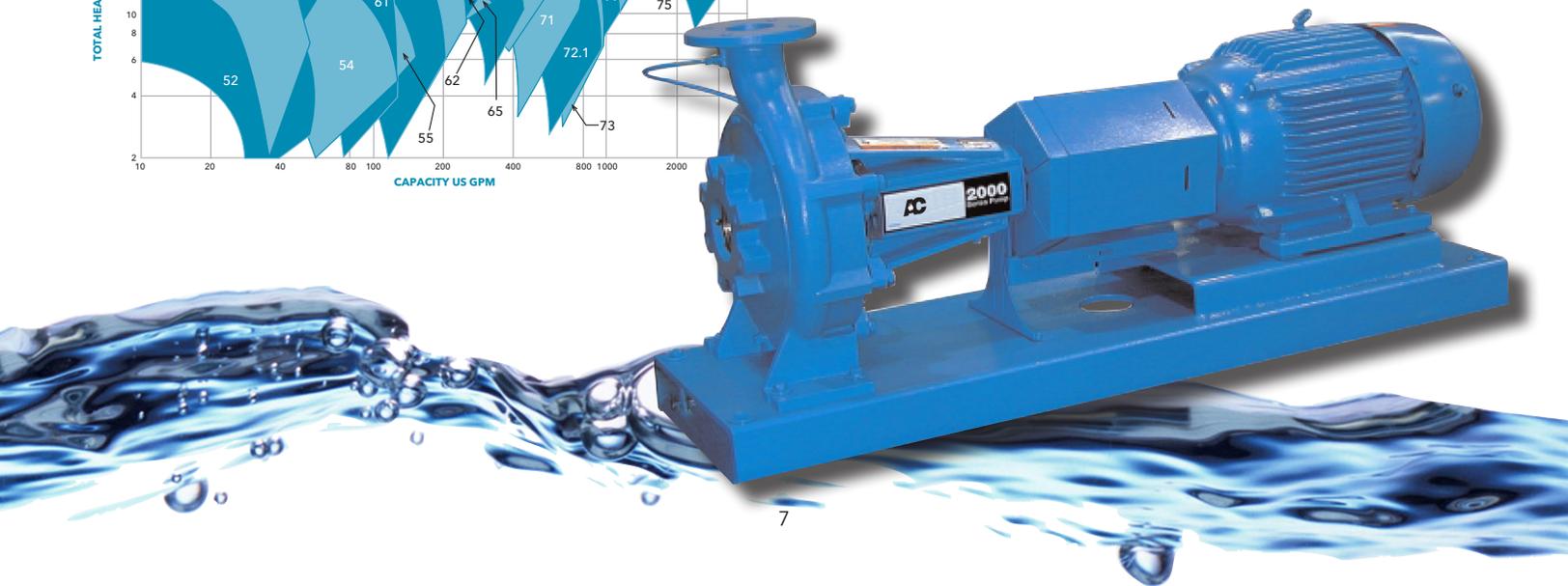
Submittals: AC2000SUB

MATERIALS OF CONSTRUCTION

Part	Bronze Fitted
Casing	Cast Iron
Wearing Rings (optional)	Bronze Alloy
Stuffing Box	Cast Iron
Impeller	Bronze Alloy
Shaft Sleeve	Bronze Alloy
Impeller Nut and Washer	Plated Steel
Gland	Zinc Alloy
Mechanical Seal (when furnished)	Ni-resist, Carbon, SS
Packing (when furnished)	Graphited Acrylic Yarn
Seal Cage (when furnished)	Teflon
Shaft	Steel
Adaptor (close-coupled)	Cast Iron



For more information on our product, visit <http://goulds.com/ac-series>



A-C Series 2000

End Suction Close Coupled - Model 600

A-C Series 2000 Model 600 close-coupled end suction pumps are designed with several features to meet your needs. The top center line discharge helps simplify piping layouts, reduces piping strain and is self-venting. The close-coupled design requires no motor alignment, reduces installation costs and maximizes space. The rear pull-out design makes servicing faster and enables the rotating element to be easily removed without disturbing piping. Finally, a hydraulically-balanced impeller extends bearing life and ensures a smooth, quiet operation. All of these features add up to a pump that is configurable to your needs and reliable for years to come.

FEATURES:

Model 600 (Close Coupled): Flow to 2000 GPM; Heads to 360 ft TDH; Temperature to 250°F; Available in 28 sizes; Working pressure: varies by size 175-215 psi with 125 psi ANSI flanges; Designed for use with NEMA standard close coupled pump motors.

BENEFITS:

Cost effective design
Space saving

APPLICATIONS:

General industry
Water supply condenser
Water transfer chilled and hot water circulation

LITERATURE AVAILABLE ONLINE:

<http://goulds.com/ac-series>

Technical Brochure: BAC2000

Sales Sheet: AC2000CCSALES and AC2000FMSALES

Instruction Manual:

AC-0920 and AC-0922

Curves: CAC2000 R1 and CAC200050 R1

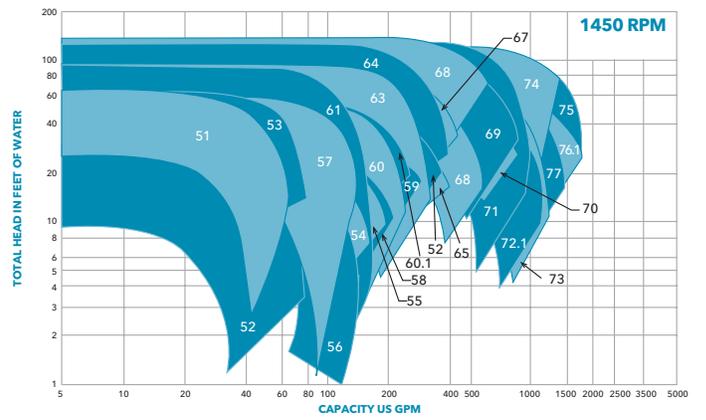
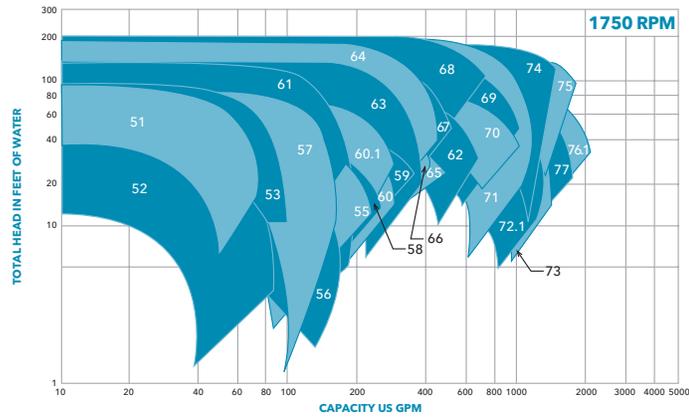
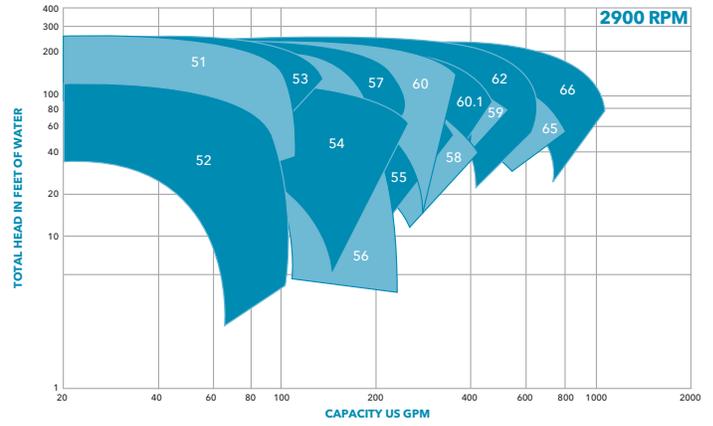
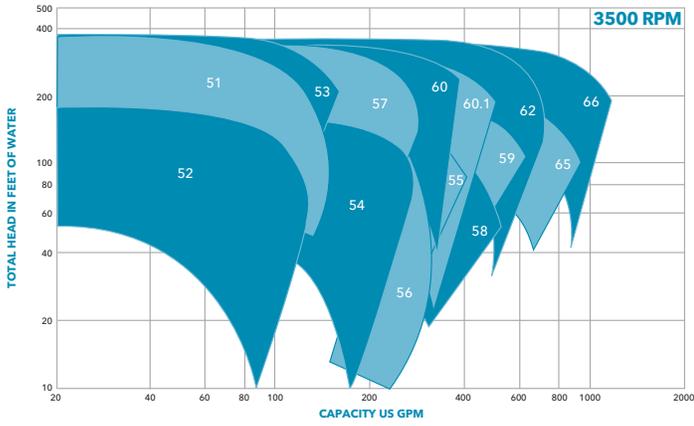
Repair Parts: RAC2000CC R1

Submittals: AC2000SUB

MATERIALS OF CONSTRUCTION

Part	Bronze Fitted
Casing	Cast Iron
Wearing Rings (optional)	Bronze Alloy
Stuffing Box	Cast Iron
Impeller	Bronze Alloy
Shaft Sleeve	Bronze Alloy
Impeller Nut and Washer	Plated Steel
Gland	Zinc Alloy
Mechanical Seal (when furnished)	Ni-resist, Carbon, SS
Packing (when furnished)	Graphited Acrylic Yarn
Seal Cage (when furnished)	Teflon
Shaft	Steel
Adaptor (close-coupled)	Cast Iron

LET'S BUILD A
LONG-STANDING
RELATIONSHIP



For more information on our product, visit <http://goulds.com/ac-series>



A-C Series 8100

Single Stage Double Suction Split Case

A-C Series 8100 double-suction split-case pumps has bronze-fitted construction making it ideal for use with the following liquids: domestic and fresh water, boiler feed water, condensate, hydronic cooling or heating, pressure boosting, general pumping and benign liquids. Designed with durability in mind, the pumps rugged construction and regreasable bearings, makes installation, operation and service easy to perform. Couple these features along with optional customization, this is an ideal choice when longevity, easy maintenance and upkeep are priority.

FEATURES:

Flow to 6500 GPM; Heads to 600 ft; Maximum working pressure of 175 psig; Motor sizes through 300 HP; Sizes 2" through 10".

BENEFITS:

Versatile
Flexible serviceability
Available for use in a variety of applications

APPLICATIONS:

Light industrial
General water transportation
Irrigation and municipal water

LITERATURE AVAILABLE ONLINE:

<http://goulds.com/ac-series>

Technical Brochure: BAC8100

Sales Sheet: AC8100SALES

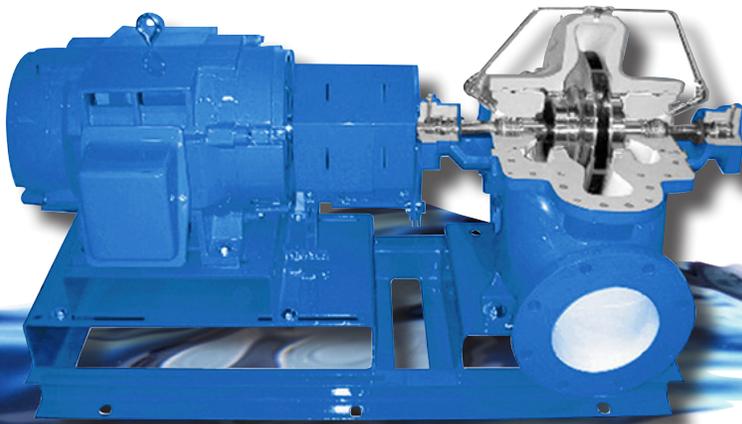
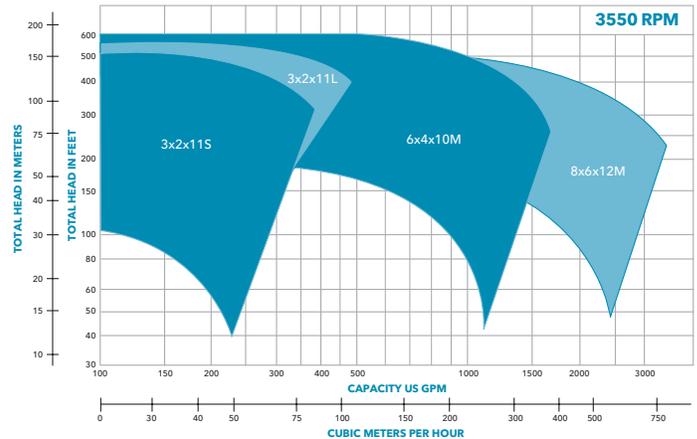
Instruction Manual:

AC5659_en-US_2014-06_IOM_SeriesA-C8100

Curves: GL-599 R1 and GL-561 R1

Repair Parts: GL-505-PL R1

Submittals: AC8100SUB



For more information on our product,
visit <http://goulds.com/ac-series>

A-C Series 8300

Single Stage Double Suction Split Case

A-C Series 8300 double-suction, base-mounted pumps feature internally self-flushing mechanical seals for maximum lubrication, debris removal and heat dissipation, resulting in reduced deflection for longer seal life. Easy maintenance and serviceability were a priority in this design, enabling service to take place without disturbing the upper casing half, piping connections or electrical motor connections. Offered in several sizes, a wide range of horsepower models, and flows and heads to meet any of your needs, this pump is a popular choice in the industry.

FEATURES:

Flow to 6500 GPM; Heads to 600 ft; Maximum working pressure of 175 psig; Motor sizes through 300 HP; Sizes 2" through 10".

BENEFITS:

Reliable and dependable design
Internally self-flushing seal for easy debris removal
Long mechanical seal life
Available for use in several applications

APPLICATIONS:

Light industrial
General water transportation
Irrigation and municipal water

LITERATURE AVAILABLE ONLINE:

<http://goulds.com/ac-series>

Technical Brochure: BAC8300

Sales Sheet: AC8300SALES

Instruction Manual:

AC5658_en-US_2014-06_IOM_SeriesA-C8300

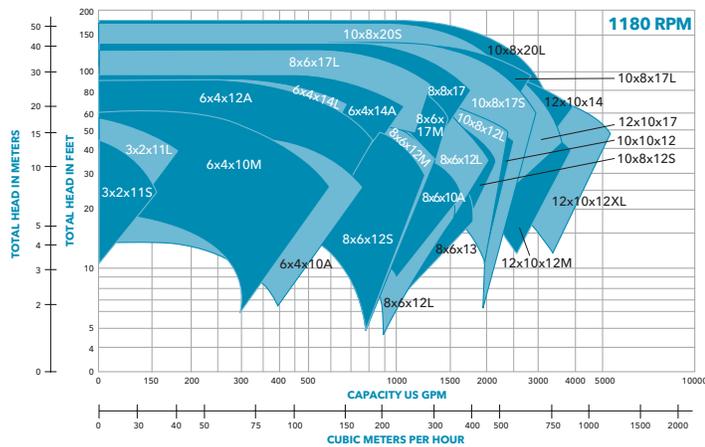
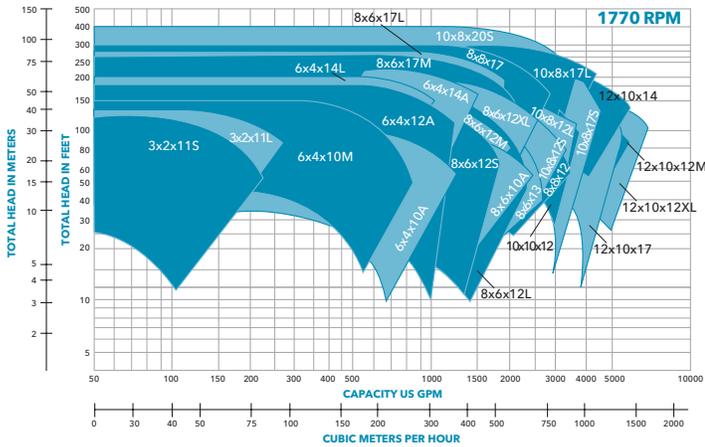
Curves: GL-560 R1 and GL-562 R1

Repair Parts: GL-610-PL R1

Submittals: AC8300SUB



LET'S SOLVE
YOUR WATER
NEEDS

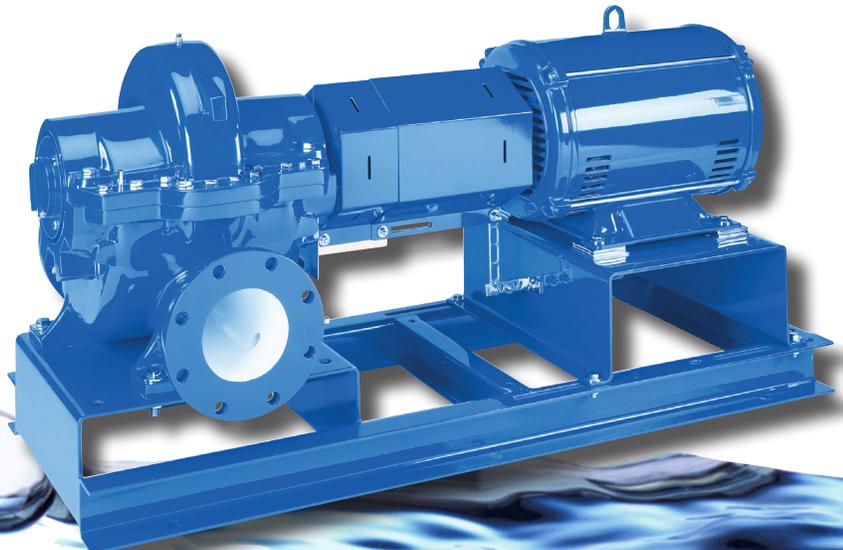


MATERIALS OF CONSTRUCTION

PART NAME	MATERIAL
	Cast Iron, Bronze Fitted
Casing assembly	Cast iron (ASTM A48 Class 35A)
Casing joint gasket (suction)	Paper (vellumoid 505)
Casing joint gasket (discharge)	Paper (vellumoid 505)
Casing ring	Bismuth Bronze
Shaft	416 Stainless Steel
Bearing housing	Cast iron (ASTM A48 Class 30A)
Stuffing box (mechanical seal)	Cast iron (ASTM A48 Class 30A)
Lip seal (bearing)	Rubber (BUNA-N)
Mechanical seal	Stainless Steel, rubber, carbon, ceramic
Capscrew (bearing housing)	Steel, grade 2
Pipe plugs (bearing housing)	Steel
Key, impeller	Stainless Steel (ANSI 416)
O-ring (casing ring)	Rubber (BUNA-N)
O-ring (cover plate)	Rubber (BUNA-N)
Retaining ring (impeller)	Steel
Retaining ring (bearing)	Steel
Spirol pin (casing ring)	304 SS
Impeller	Bronze (ASTM C87600)

NOTE: More detailed Materials of Construction can be found in the Technical Brochure.

For more information on our product, visit <http://goulds.com/ac-series>



A-C Series 9100

Single Stage Double Suction Large Split Case

A-C Series 9100 standard features include double-suction, base-mounted, bronze-fitted construction with externally-flushed mechanical seals. The largest pump in our series, this double volute design offers flows and heads not seen in other models. Adding to the standard features are pump bearings and mechanical seals that can be serviced without disturbing the piping connections or electrical motor connections, making for ease of use and serviceability. You can rely on this pump to deliver the quality and efficiency you've come to expect from the A-C Series line.

FEATURES:

Double volute casing; Flow to 12,500 GPM; Heads to 600 feet; Sizes 8" through 14" sizes; Working pressures available up to 300 psig; 250# ANSI flanges.

BENEFITS:

High flow capacities
Flexible serviceability

APPLICATIONS:

General industry
Water supply condenser
Water transfer chilled and hot water circulation

LITERATURE AVAILABLE ONLINE:

<http://goulds.com/ac-series>

Technical Brochure: BAC9100

Sales Sheet: AC9100SALES

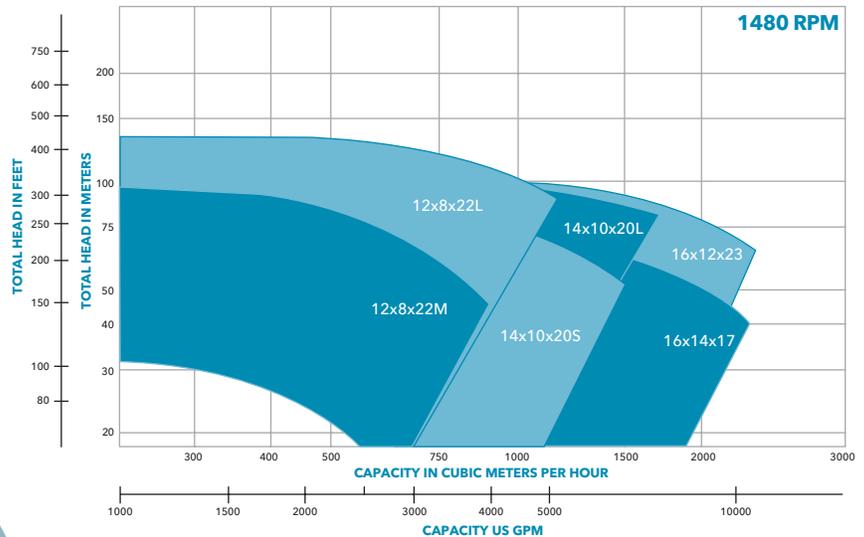
Instruction Manual:

AC8615_en-US_2014-06_IOM_SeriesA-C9100

Curves: GL-570 R1 and GL-571 R1

Repair Parts: GL-506B-PL R1

Submittals: AC9100SUB



NOTE: For larger capacities, consult factory.

LET'S EXPAND
YOUR CUSTOMER
POTENTIAL

For more information on our product,
visit <http://goulds.com/ac-series>

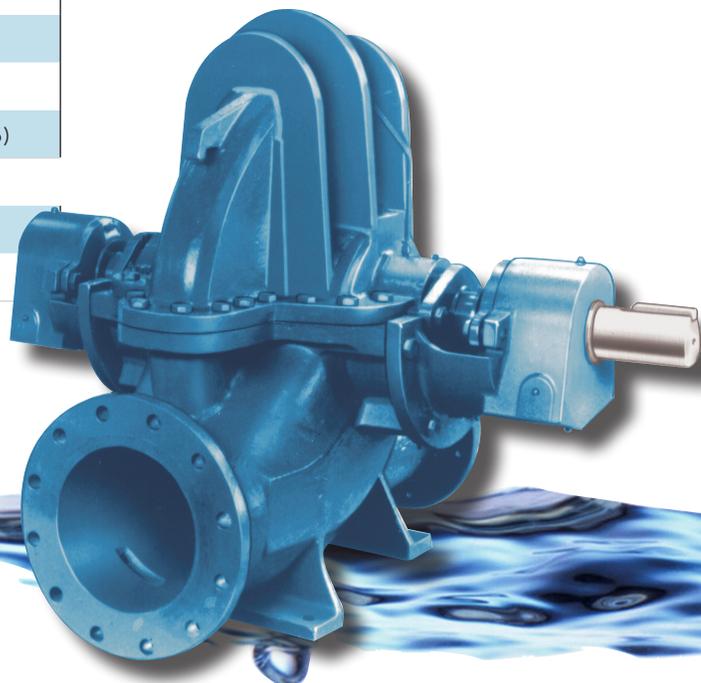
MATERIALS OF CONSTRUCTION

CAT. NO.	PART NAME	STANDARD MATERIALS	OPTIONAL MATERIALS
0-952-0	Flush Line	Copper	
1-428-1	Gaskets (Sleeve)	Synthetic (Non-Asbestos)	
2-001-0	Casing	Cast Iron (ASTM A48 Class 35)	Ductile Iron (ASTM A536, Grade 65-45-12)
2-123-5	Casing Joint Gasket (Suction)	Paper (Vellumoid 505)	
2-123-6	Casing Joint Gasket (Discharge)	Paper (Vellumoid 505)	
3-400-0	Mechanical Seal (Type 8 or equal)	Viton / Carbon vs. Ceramic	
3-014-2	Glands (Mechanical Seal)	Cast Iron (ASTM A48 Class 25A)	
3-003-9	Casing Rings	Bronze (ASTM B584 Alloy 932)	
3-007-0	Shaft	Steel (SAE 1045) ①	316SS A276 UNS S31600 ②
3-009-9	Shaft Sleeves	Bronze (ASTM B584 Alloy 932)	
3-018-3	Bearing Housing Cover (Inboard)	Cast Iron (ASTM A48 Class 30B)	① Standard shaft material for size 14x10x20L is 4140. For speeds greater than 1200 RPM, the standard shaft material is 17-4 PH condition H1150 for sizes 16x12x23 and 16x14x17.
3-018-4	Bearing Housing Cover (Outboard)	Cast Iron (ASTM A48 Class 30B)	
3-025-2	Bearing Housings	Cast Iron (ASTM A48 Class 30B)	
3-026-3	Bearing (Inboard)	Steel	② Shaft material option is 17-4 PH condition H1150 for sizes 14x10x20L, 16x12x23 and 16x14x17.
3-026-4	Bearing (Outboard)	Steel	
3-177-4	Lip Seal (Outboard Bearing)	Rubber (BUNA-N)	
3-177-9	Lip Seals (Bearings)	Rubber (BUNA-N)	
3-409-9	Gaskets (Bearing Housing Covers)	Paper (Vellumoid 505)	
3-911-1	Key (Impeller)	316 Stainless Steel	
3-911-3	Keys (Shaft Sleeves)	316 Stainless Steel	
3-914-2	O-Ring (Gland)	Rubber (Buna-N)	
3-914-9	O-Rings (Shaft Sleeves)	Rubber (Buna-N)	
4-002-9	Impeller	Bronze (ASTM B594 Alloy 876)	

OPTIONAL COMPONENTS*

4-004-9	Impeller Rings	Bronze (CDA 925)
3-400-0	Balanced Mechanical Seal (Type 8B)	Viton / Carbon vs. Ceramic

NOTE: More detailed Materials of Construction can be found in the Technical Brochure.





**LET'S BE
INDUSTRY
PARTNERS**

Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to www.xylem.com

xylem
Let's Solve Water

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