

3800 SERIES

Single Stage End Suction Pumps



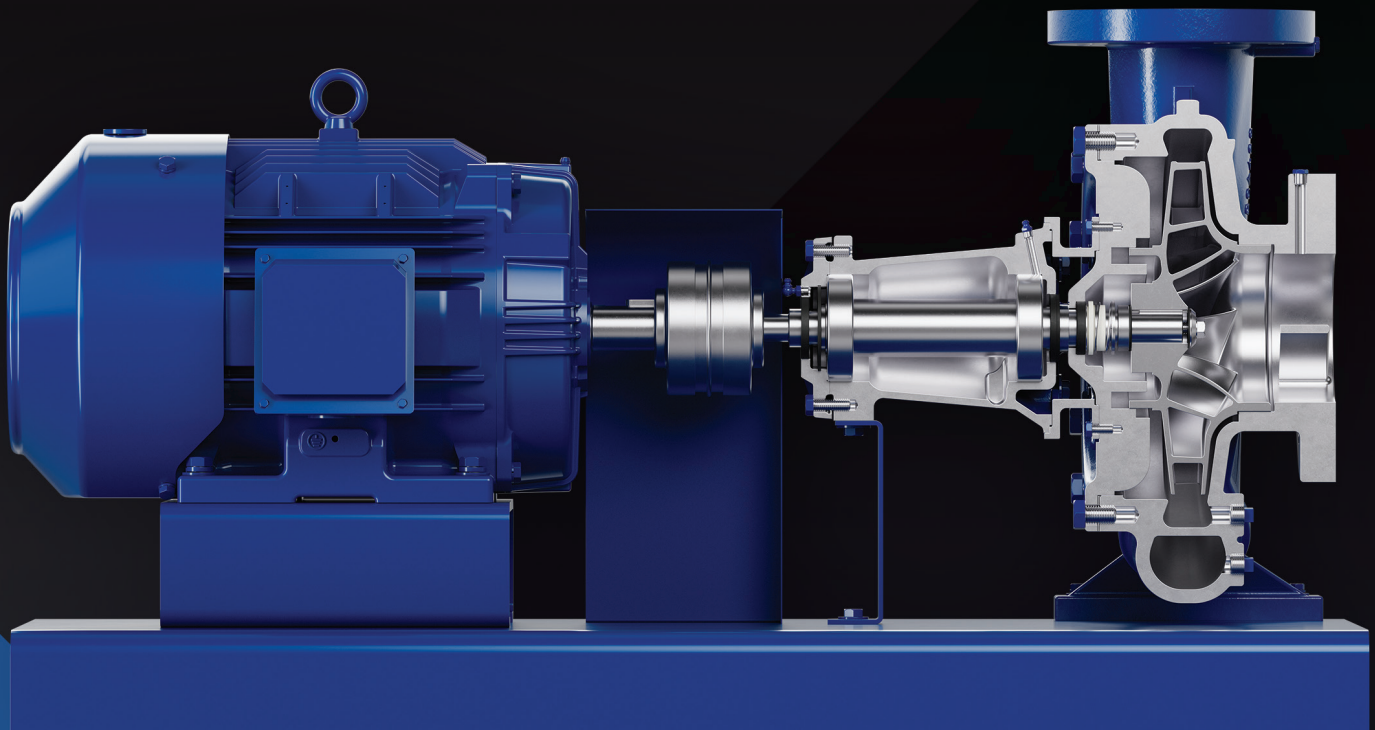
MODEL 3804



MODEL 3801



HIGH-PERFORMANCE PUMPING



The Pentair Aurora® 3800 Series is backed by over a century of commercial pumping expertise and cutting-edge product innovation. Equipped with shared hydraulics, premium materials, and optimized design features, 3800 Series pumps are designed to meet modern compliance requirements while delivering incredible performance.

3800 SERIES

Single Stage End Suction Pumps



Max Flow
4,200 GPM (954 M³/HR)

Max Head
520 FT (158 M)

Max Temp
275°F (135°C)

FLEXIBILITY

- ◆ Close-coupled¹ or flexible-coupled frame-mounted² configurations
- ◆ Flange dimensions match the largest installed base
- ◆ Shared hydraulic parts with Aurora 382B Vertical In-Line Pump
- ◆ 4 power frame sizes
- ◆ Mechanical sealing options for temps up to 275°F³
- ◆ Drip rim base + drip pan^{2,3}

DURABILITY

- ◆ Ductile iron ASTM A536 casings
- ◆ Corrosion-resistant 316 stainless steel impellers + shaft sleeves
- ◆ Single or double volute on discharge⁴
- ◆ Rigid baseplate design²
- ◆ Coupling guard²
- ◆ 316 stainless steel shaft³
- ◆ Braided stainless steel hose³
- ◆ Epoxy coated casing and seal plate for NSF61 and NSF50 certification³
- ◆ 416 stainless steel case wear ring³

RELIABILITY

- ◆ Heavy-duty power frames deliver 100,000 hours of bearing life²
- ◆ Gauge taps on flanged models
- ◆ Standard back pullout design
- ◆ Continuously lubricating internal self-flushing mechanical seal
- ◆ Working pressures up to 175 PSI
- ◆ Re-greaseable bearings²
- ◆ Certified performance testing³
- ◆ Oil lube bearings^{2,3}

¹ 3801 only

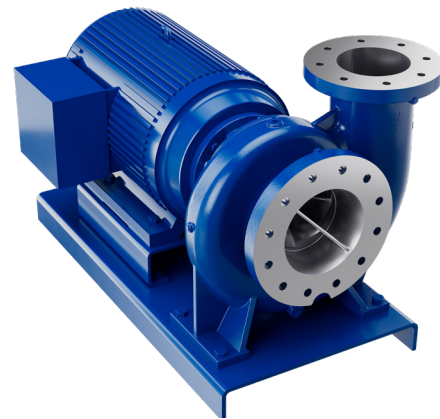
² 3804 only

³ Optional

⁴ Select models

APPLICATIONS

- ◆ HVAC
- ◆ Boosting
- ◆ Chilled and hot water
- ◆ Commercial pools
- ◆ Industrial
- ◆ Municipal



MODEL 3801



MODEL 3804

NSF372
CERTIFIED

NSF61
CERTIFIED*

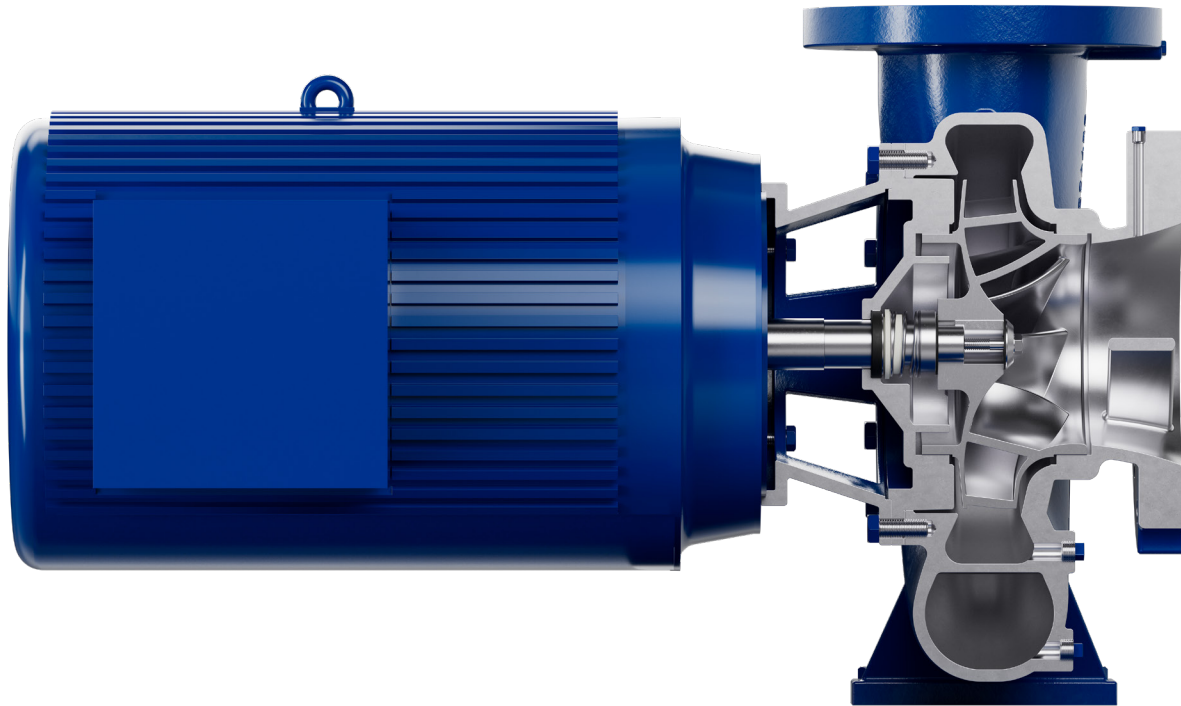
NSF50
CERTIFIED*

* optional

PUMP FEATURES

AURORA 3801 CLOSE-COUPLED + 3804 FLEXIBLE-COUPLED END SUCTION PUMPS

3801 CLOSE-COUPLED



High-performance motors reduce pump noise during operation. ¹

Ductile iron casings allow for higher working pressures and a longer overall pump life.

Factory hydrostatic testing guarantees casing and seal integrity.

Double volute discharge on select models reduce bearing loads. ²

Suction splitter capabilities on select models reduces pre-rotation and boosts pump efficiency.

Back pullout casing feet make it easy to service pumps without disturbing suction and discharge pipelines.

Gauge taps on suction and discharge flanges give you more visibility into your pump's performance.

Carbon mechanical seal uses 303 SST metal parts and Buna-N[®] flexible elastomers to keep your pump operational longer.

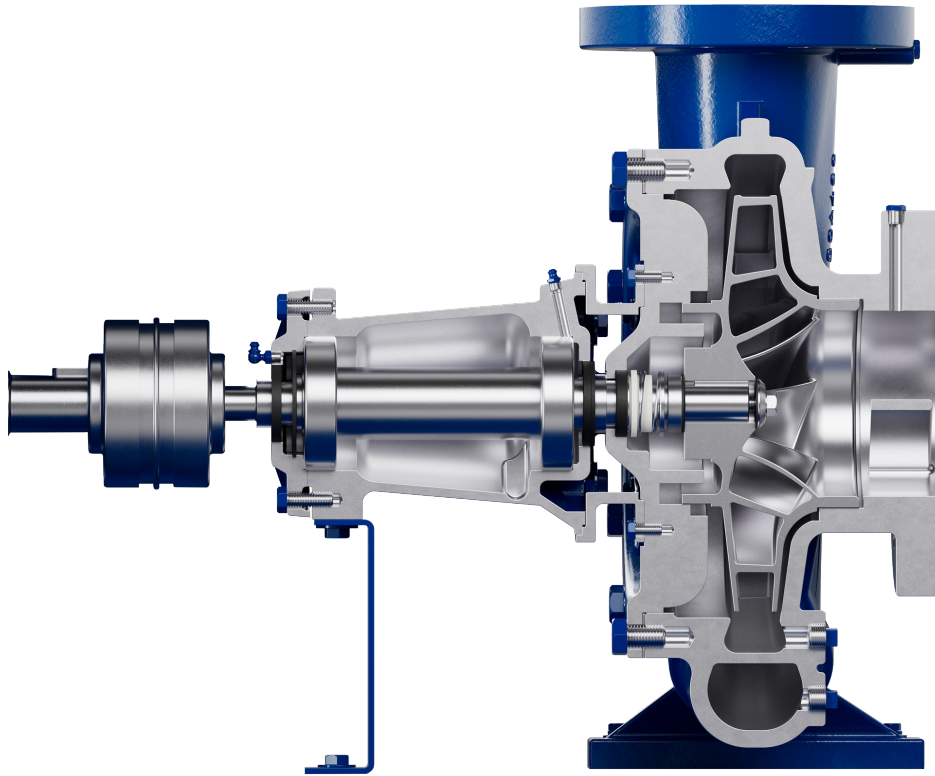
LIFECYCLE SUPPORT FOR YOUR PUMP

When it's time to service your pump equipment with replacement parts, there's no room to gamble on unknown suppliers. We carry thousands of genuine OEM parts tailored to Pentair pumps and ready to ship quickly.

PUMP FEATURES

AURORA 3801 CLOSE-COUPLED + 3804 FLEXIBLE-COUPLED END SUCTION PUMPS

3804 FLEXIBLE-COUPLED



Stainless steel shaft sleeve protects the motor shaft.

Stainless steel impeller is keyed and secured to the shaft extension. Additional gaskets help prevent leakage.

Optional casing wear rings help reduce internal recirculation.

Re-greaseable bearings reduce friction and help extend pump life.³

Steel shaft reduces deflection.³

Heavy-duty power frame delivers 100,000 hours of re-greaseable bearing.³

¹JM + JP motors on 3801, T + TS motors on 3804

²excluding 4x5x11 and 4x5x13.5. Single volute also available.

³3804 only.

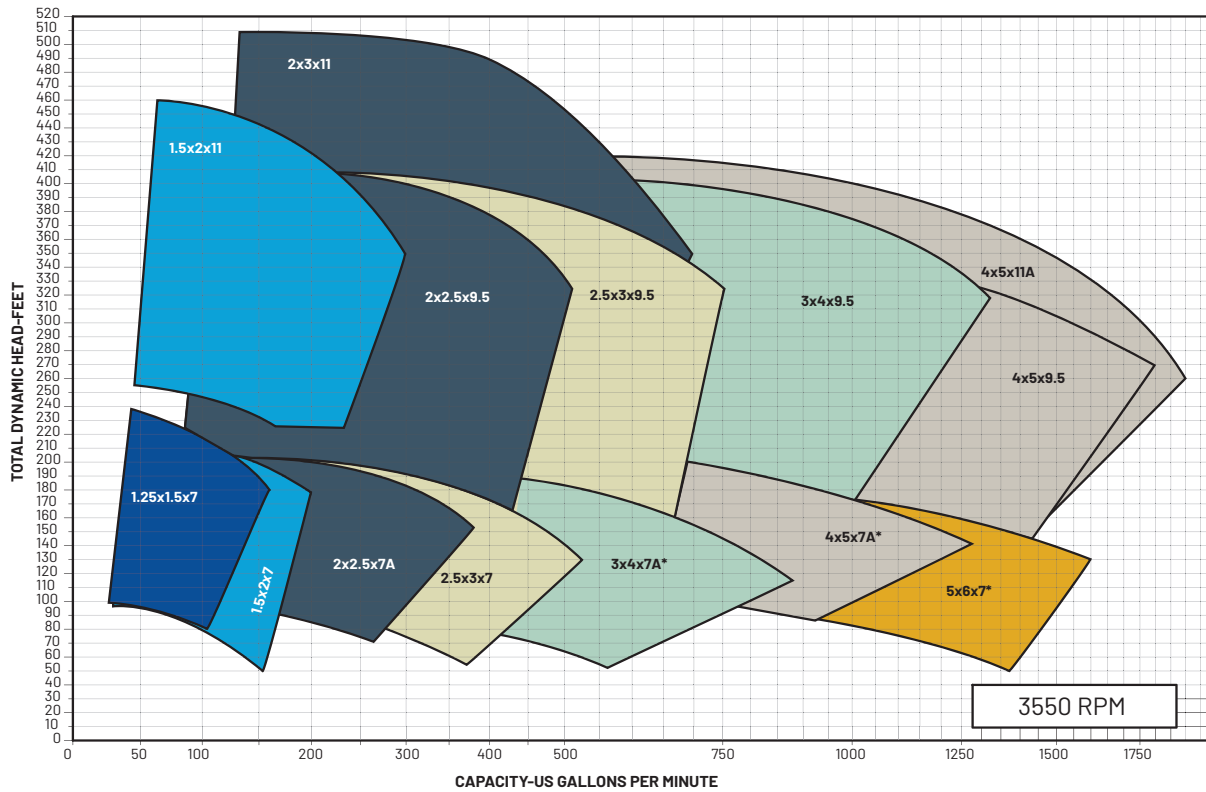
HYDRONIC ACCESSORIES

Get the most out of your system with a wide range of hydronic accessories that can help boost performance and reliability.

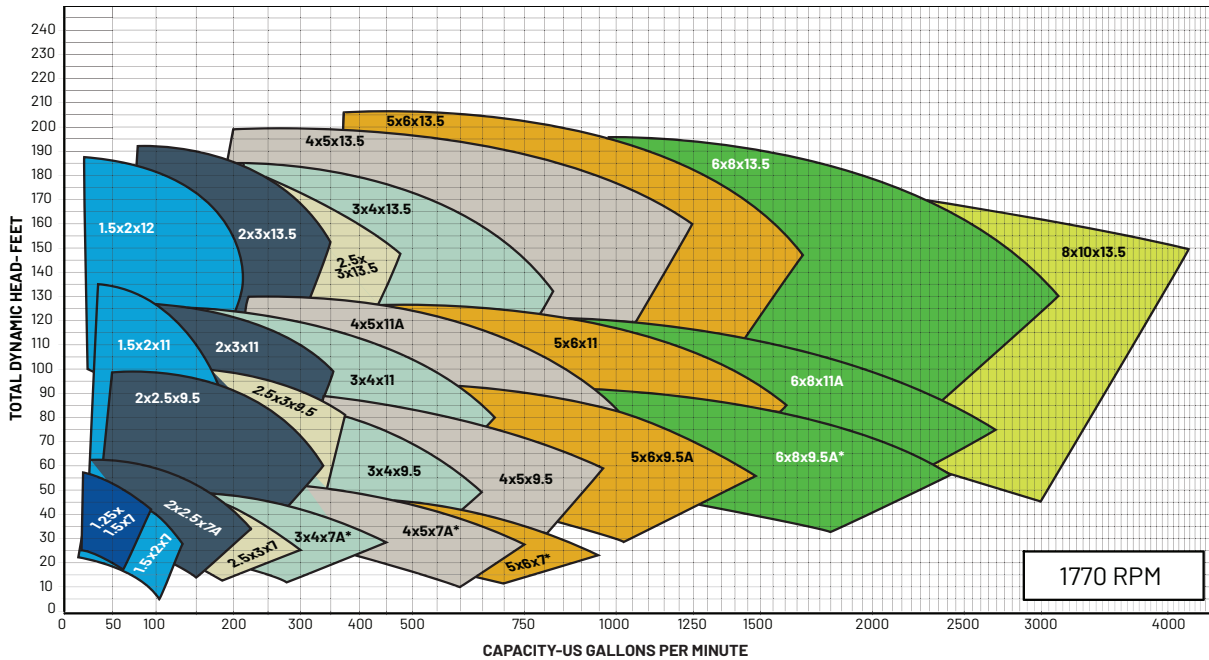
Learn more at pentair.com/pumpcare

PUMP PERFORMANCE

3550 RPM, 60 HZ RANGE CHART



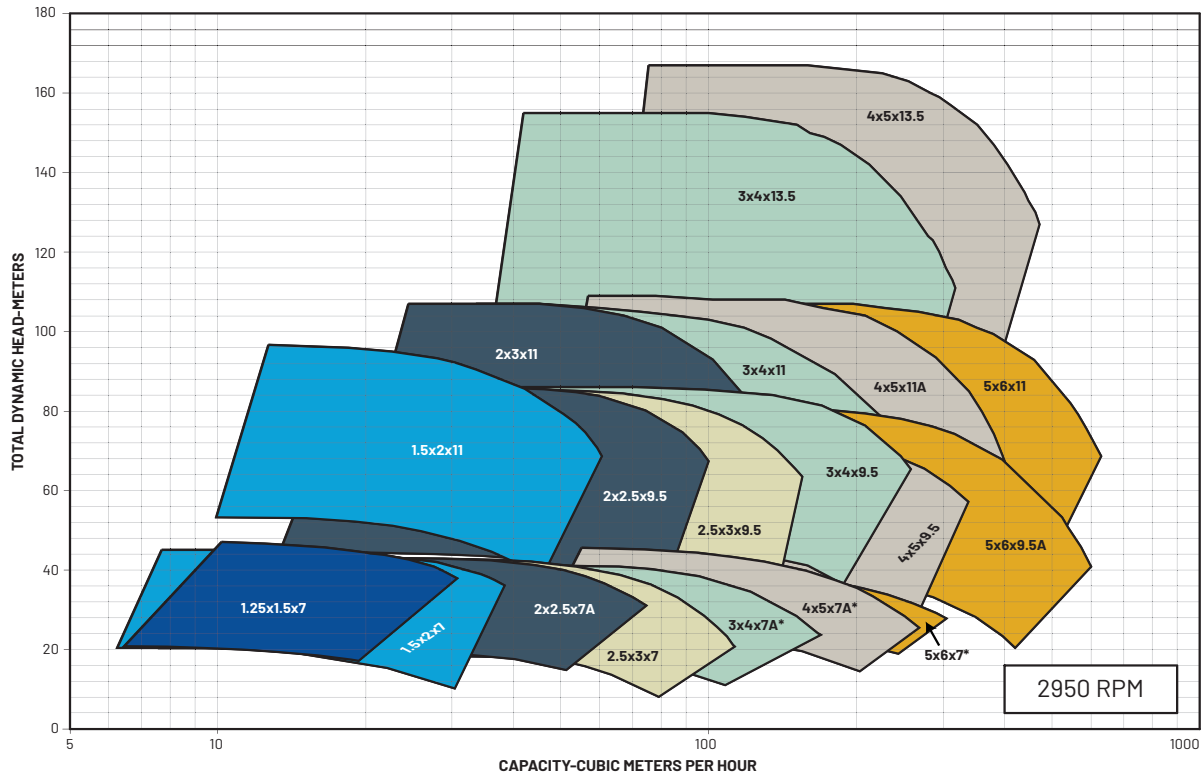
1770 RPM, 60 HZ RANGE CHART



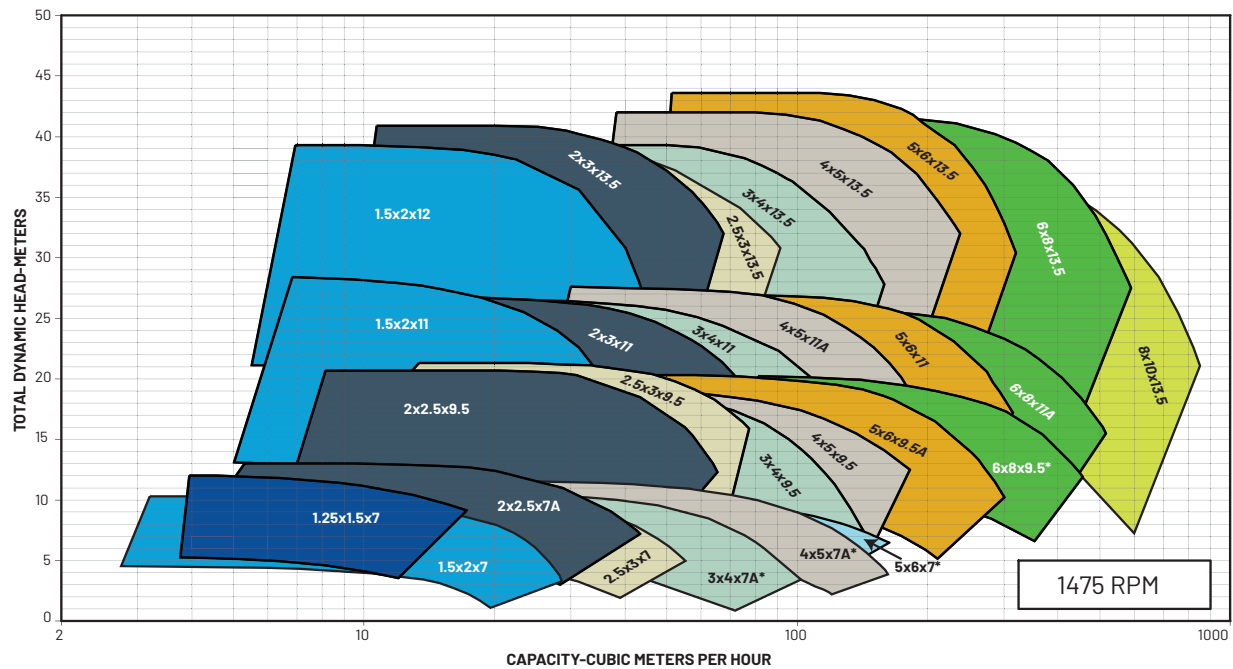
* Temporarily unavailable until further notice.

PUMP PERFORMANCE

2950 RPM, 50 HZ RANGE CHART



1475 RPM, 50 HZ RANGE CHART



* Temporarily unavailable until further notice.

3800 SERIES | LIQUID END KITS

Commercial buildings need to maintain operational efficiency to provide a comfortable environment for tenants and visitors, but maintenance and repairs on critical equipment like HVAC pumps can be expensive and cause downtime. Aurora Liquid End Kits provide the materials building operators need to respond quickly and efficiently to pump repair needs.



VERSATILITY

Repair and build multiple pumps when you stock up on kits



FASTER DELIVERY

Avoid downtime waiting for parts to be shipped



BETTER SERVICE

Service your local market and building tenants more effectively

KITS AVAILABLE:

Aurora 3801 and 3804 Liquid End Kits

3801 - For use with JM close-coupled motor

3804 - For use with power frame pedestal units

Includes casing and impeller (full diameter unbalanced).

Aurora 3801 and 3804 Bracket Kits

Includes cast iron bracket, standard mechanical seal, stainless steel sleeve and hardware for standard construction. Packages must be sized by impeller diameter in the pump model and motor or power frame size.

Aurora 3804 Power Frame Assembly Kits

Includes a fully assembled power frame with shaft and bearings.

Aurora 3804 Foot Support Kits

Includes mounting feet and required hardware.

Mounting feet are required on all 3804 pumps.

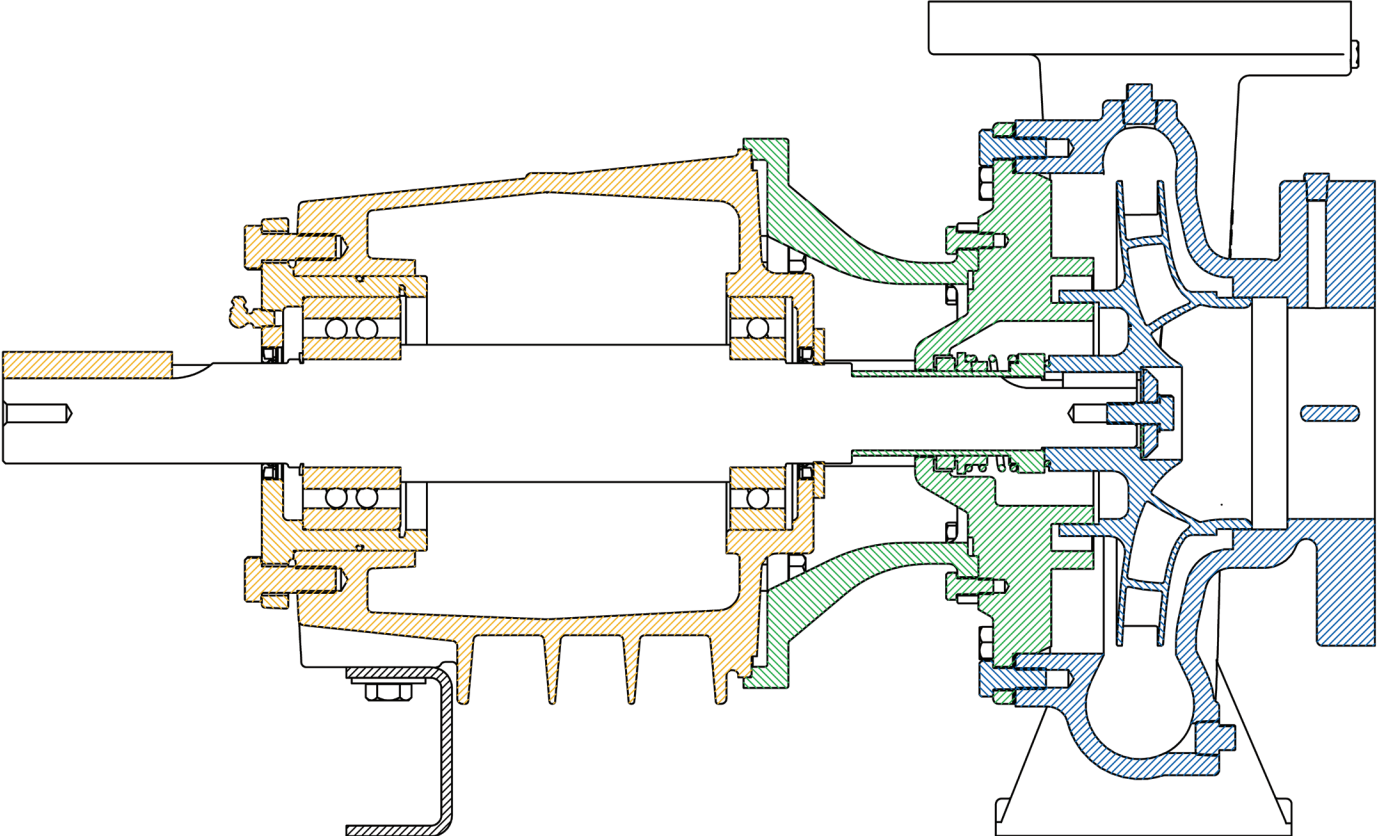
Close Coupled Motor Frames



for the Aurora 3801 Series Liquid End Kits



- ◆ 1200 RPM: 1-30 HP motor, 145-326 JM frame
- ◆ 1500/1800 RPM: 1-50 HP motor, 143-326 JM frame
- ◆ 3000/3600 RPM: 1.5-60 HP motor, 143-326 JM frame

LIQUID END KITS AVAILABLE

AURORA 3801 CLOSE-COUPLED + 3804 FLEXIBLE-COUPLED END SUCTION PUMPS



-  Liquid End Package
-  Power Frame Assembly Package*

-  Bracket Package
-  Foot Support Package

*Power frame assembly package includes shaft & foot support package by default.

YOUR PUMP PARTNER **FOR** **THE WHOLE** **BUILDING**

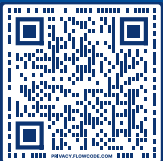
PROTECTING LEGACIES LIKE YOURS
FOR MORE THAN A CENTURY

Our extensive pump portfolio, crafted with a tradition of quality and excellence, has countless applications in commercial buildings.

Whether it's fire suppression for safety or HVAC and boosting applications for comfort, your building is covered with dynamic water movement solutions that fit your needs.

No matter where it's used, you can trust that your pump is backed by a dedicated team providing unwavering support throughout its lifetime. Because every decision counts when selecting pump equipment that protects your building and the people inside.

Scan the QR code or visit pentair.com/aurora to learn more.



EXPLORE OUR
PUMP PORTFOLIO

FIRE SUPPRESSION • HVAC • PRESSURE BOOSTING



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