



# Aurora™ 340 Series

## Single Stage End Suction Commercial Pumps



***For flooded suction applications in Swimming Pools, Water Features, Waterparks with capacities of 2500 GPM, for a variety of sizes and applications.***

Aurora™ 340 Series Pumps are quiet, smooth running pumps designed to deliver long life in today's demanding water and liquid handling applications. Their modern, clean, straightforward designs allow maximum flexibility, with optional features that stand up to corrosive environments for the optimum in performance.

### Standard Features

- Computer machined major components to assure concentricity of all pump parts.
- Precision cast, dynamically balanced, enclosed impellers.
- All pumps are hydrostatically tested at the factory to guarantee casting and seal integrity.
- Back pull-out design simplifies disassembly.
- Lubrication fittings are conveniently located for quick accessibility and provide positive bearing lubrication.
- ODP and TEFC motors available in standard and premium efficiency.
- Power frame provides heavy-duty maximum interchangeability for flexible coupled applications.
- Rear support foot provides support and simplifies coupling alignment.
- NSF Listed models available.

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## Single Stage End Suction Commercial Pumps



### ENGINEERING SPECIFICATIONS

#### Flexible-Close Coupled Pumps

- The contractor shall furnish (and install as shown on the plans) Aurora™ Model (341A horizontal close coupled) (342A vertical close coupled) (344A horizontal flexible coupled) back pull-out centrifugal pumps size \_\_\_ x \_\_\_ x \_\_\_ of bronze fitted construction.

#### Material of Construction

Pump Part	Bronze Fitted
Casing	Cast Iron ASTM A48
Case Wearing Ring	Bronze ASTM B62
Impeller	Bronze ASTM B584
Motor Bracket	Cast Iron ASTM A48
Shaft	Steel AISI C1045
Sleeve	Bronze ASTM B62
Power Frame	Cast Iron ASTM A48
Mechanical Seal	303 Stainless Steel Metal Parts, "Buna-N" Elastomer Parts, Ni-Resist Seat and Carbon Washer
Stuffing Box	Cast Iron ASTM A48

- Each pump shall have a capacity of \_\_\_ GPM at \_\_\_ ft. total head, with a temperature of \_\_\_ ° F, \_\_\_ specific gravity. Each pump is to be furnished with a mechanical seal with all metal parts to be 303 stainless steel with "Buna-N" elastomers, Ni-Resist seat, and carbon washer. The unit must be equipped with (bronze) (stainless steel) keylocked shaft sleeve that extends the length of the seal box. The pump shaft extension shall be "O" ring sealed from the pumped liquid. Pump shall have a case wearing ring (impeller wearing rings). Impellers to be vacuum cast, dynamically balanced, and keylocked to the shaft.

#### Flexible Coupled-Frame Mounted (344A)

- Pump and motor are to be mounted on a common (fabricated steel drip rim) (steel) baseplate. The shaft is to be steel, installed in a cast iron power frame. Pumps shall have a shaft design for .002" deflection at the seal face with the pump running under maximum load condition. (Grease) (oil) (permanently lubricated) ball bearings, having a 3 year minimum life (AFBMA B<sub>10</sub>) under the maximum condition of load. Bearings to be protected by separate oil seals and slingers. The pump shall be flexible coupled to a standard horizontal NEMA \_\_\_ HP \_\_\_ phase \_\_\_ Hz \_\_\_ volts \_\_\_ RPM (open drip proof) (totally enclosed fan cooled) motor. Alignment shall be checked in accordance with the standards of the Hydraulic Institute after installation and there shall be no strain transmitted to the pumps.

#### Close Coupled (341A) (342A)

- Each pump is to be close coupled to a standard HI-NEMA-JM (340A Series) JP \_\_\_ HP \_\_\_ phase \_\_\_ Hz \_\_\_ volt \_\_\_ RPM (drip-proof) (totally enclosed) motor. Model 341A in motor frame sizes up to 184JM shall be supported by a separate support foot on the close coupled pump bracket.

*For application assistance  
and pricing contact:*



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