

SERIES 3014

MODEL AEV

SINGLE STAGE VERTICAL-INLINE END SUCTION

Sizes: 1.25" to 8" Discharge
Flows: To 4,000 GPM
Heads: To 360 Feet
Temp: To 250°F

Services:

Cooling Water
Raw Water Intake
HVAC
Industrial Process
Condenser Circulating
Irrigation & Drainage
Municipal Water Supply

CASING

- Supplied standard in ASTM A536 ductile iron
- Heavy wall thickness for corrosion allowance and high pressure applications
- Axially split to permit complete access to the rotating assembly
- Suction & discharge are on the same vertical centerline
- Cast integral vortex suppressor
- Cast integral feet for support in the field
- External flush plan for mechanical seal lubrication
- Alternate metallurgy options available upon request

JM C-FACE MOTOR

- Complete back pull-out assembly allows for very easy servicing of the complete assembly
- Motors are available in ODP, TEFC and Explosion-Proof designs
- Readily available and stocked
- NEMA JP 56C to 365TC design using modular design and common components

BRACKET ASSEMBLY

- Supplied standard in ASTM A48 class 30 cast iron
- Heavy wall thickness for corrosion allowance and high pressure applications
- Cast with heavy cross section to resist torsional flex
- Houses the seal chamber
- Driver side has precision machined C-Face for JP motor register

CASE WEAR RINGS

- Supplied in standard bronze or other specified allow
- Case wear rings are renewable which will renew factory running clearances and performance

ROTATING ASSEMBLY

- Includes investment cast, 304 stainless steel, single suction impeller
- Modular design maximizes the sharing of common components
- 304 stainless steel shaft sleeves completely protect the shaft from wear and corrosion
- Component mechanical seals supplied standard in Carbon-Silicon/Carbide with Viton elastomers

IMPELLER

- Supplied standard in investment cast, 304 stainless steel
- Francis design allows for hydraulically balanced design with broad band, high efficiency performance
- Machined and dynamically balanced prior to assembly

