

# SERIES 3012

## MODEL AEC

SINGLE STAGE  
CLOSE-COUPLED 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

### 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

### 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

### 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

### CASING

- Supplied standard in ASTM A48 class 30 cast iron
- Heavy wall thickness for corrosion allowance and high pressure applications
- Axially split to permit complete access to the rotating assembly
- Tangential discharge for highest efficiency
- Hydraulically balanced impeller
- Flush plan for mechanical seal lubrication
- Alternate metallurgy options available upon request

### CASE WEAR RINGS

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