

SERIES 3010

MODEL AEF

SINGLE STAGE

FLEX-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
 Sea Water
 Industrial Process
 Condenser Circulating
 Irrigation & Drainage
 Municipal Water Supply

POWER FRAME

- Complete back pull-out assembly allows for very easy servicing of the complete assembly
- Power frame side has precision machined C-Face for JM motor register
- Both inboard & outboard bearings can be inspected and replaced without the need for disconnecting suction or discharge piping
- Designed for a minimum 50,000 hour bearing life using deep groove inboard and outboard bearings provide superior axial and radial support
- Each bearing housing is protected from contaminants by using lip seals at every location where the shaft enters or exits the power frame
- Grease lubrication standard with optional oil lubricated upon request
- Modular design allowing only three (3) power frames to be used across the entire hydraulic offering

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
- Internal flush plan for mechanical seal lubrication
- Alternate metallurgy options available upon request

SHAFT ASSEMBLY

- 420 stainless steel shaft is stronger than standard carbon steel and has superior corrosion resistance
- Integral shaft deflectors at inboard and outboard locations to provide maximum protection to the power frame assembly

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
- Power frame side has precision machined C-Face for JM 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

CASE WEAR RINGS

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

