SERIES 4610
MODEL AEG

SINGLE STAGE
FLEX-COUPLED
ANSI PROCESS END SUCTION

Sizes: 1” to 8” Discharge
Flows: To 7,000 GPM
Heads: To 730 Feet
Temp: To 700°F

Services:

Cooling Water
Raw Water Intake
Sea Water
Industrial Process
Condenser Circulating
Petro-Chemical
Mining
Municipal Water Supply

POWER FRAME

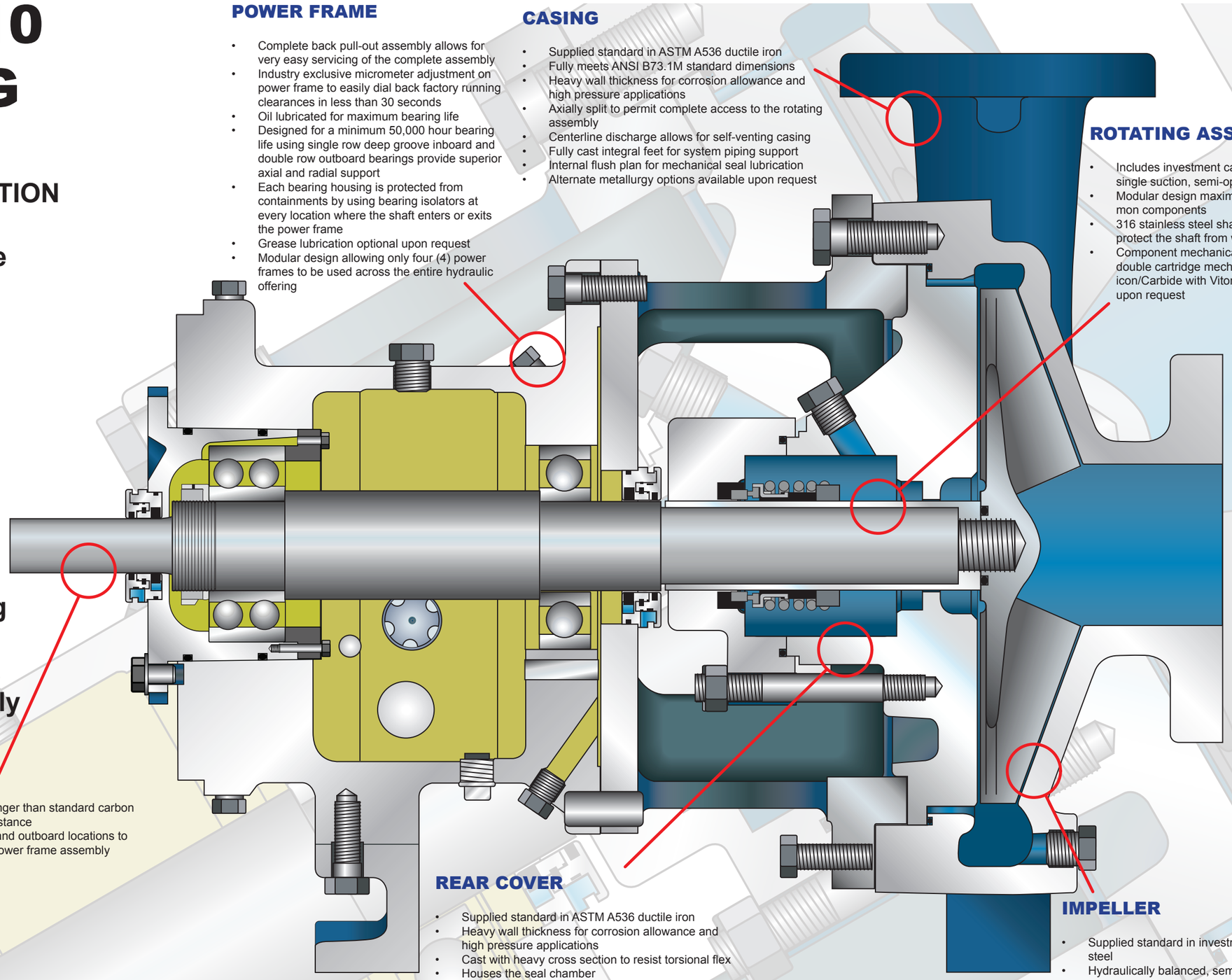
- Complete back pull-out assembly allows for very easy servicing of the complete assembly
- Industry exclusive micrometer adjustment on power frame to easily dial back factory running clearances in less than 30 seconds
- Oil lubricated for maximum bearing life
- Designed for a minimum 50,000 hour bearing life using single row deep groove inboard and double row outboard bearings provide superior axial and radial support
- Each bearing housing is protected from containments by using bearing isolators at every location where the shaft enters or exits the power frame
- Grease lubrication optional upon request
- Modular design allowing only four (4) power frames to be used across the entire hydraulic offering

CASING

- Supplied standard in ASTM A536 ductile iron
- Fully meets ANSI B73.1M standard dimensions
- Heavy wall thickness for corrosion allowance and high pressure applications
- Axially split to permit complete access to the rotating assembly
- Centerline discharge allows for self-venting casing
- Fully cast integral feet for system piping support
- Internal flush plan for mechanical seal lubrication
- Alternate metallurgy options available upon request

ROTATING ASSEMBLY

- Includes investment cast, 304 stainless steel, single suction, semi-open impeller
- Modular design maximizes the sharing of common components
- 316 stainless steel shaft sleeves completely protect the shaft from wear and corrosion
- Component mechanical seals and/or single or double cartridge mechanical seal in Carbon-Silicon/Carbide with Viton elastomers supplied upon request



SHAFT ASSEMBLY

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

REAR COVER

- Supplied standard in ASTM A536 ductile iron
- Heavy wall thickness for corrosion allowance and high pressure applications
- Cast with heavy cross section to resist torsional flex
- Houses the seal chamber
- Small bore & large bore seal chambers based on job-site requirements
- Optional packing for aggressive and abrasive applications

IMPELLER

- Supplied standard in investment cast, 316 stainless steel
- Hydraulically balanced, semi-open design for process applications
- Francis design allows for hydraulically balanced design with broad band, high efficiency performance
- Machined and dynamically balanced prior to assembly

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