

SERIES 3620

MODEL HL(2)

TWO-STAGE STAGE

FLEX-COUPLED SPLIT CASE

Sizes: 1.5" to 4" Discharge
Flows: To 900 GPM
Heads: To 950 Feet
Temp: To 250°F

Services:
Cooling Water
Raw Water Intake
Municipal Water Supply
Condenser Circulating
Sea Water
Boiler Feed
Industrial Process

ROTATING ASSEMBLY

- Includes investment cast, 304 stainless steel, single suction impellers
- Modular design maximizes the sharing of common components
- 304 stainless steel shaft sleeves completely protect the shaft from wear and corrosion
- 304 stainless steel gland assemblies ensure that packing can be adjusted without the worry of corrosion
- Labyrinth style case wear rings keep pressure losses at a minimum
- 304 stainless steel shaft sleeve nuts are located outside of the fluid chamber minimizing corrosion and allowing for an easier disassembly when the need for service arises

SHAFT ASSEMBLY

- 420 stainless steel steel shaft is stronger than standard carbon steel and has superior corrosion resistance
- Designed and sized specifically for the aggressive fire protection markets

CASING

- Supplied standard in ASTM A46 class 30 cast iron
- Heavy wall thickness for corrosion allowance and high pressure applications
- Horizontally split to permit complete access to the rotating assembly
- Cast integral vortex suppressor in casing top at each impeller eye designed to reduce vortexing of fluid prior to it entering the impeller eye
- Threaded taps for gauges and pressure relief valve
- Suction & discharge gauge package with 304 stainless steel buffer tube, fittings and ball valves
- Suction and discharge flanges supplied in 250 PSI rating with raised face for high pressure applications

SHAFT SEALING

- Wide variety of packing available and supplied standard
- Component, single cartridge and/or double cartridge mechanical seals can be supplied upon request

CASE WEAR RINGS

- Supplied in standard bronze or other specified alloy
- Labyrinth style case wear rings are renewable which will renew factory running clearances and performance
- Pinned at the centerline to prevent rotation during operation

IMPELLERS

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

BEARING HOUSINGS

- Designed for a minimum 50,000 hour bearing life using 6200 series, deep groove inboard and outboard bearings provide superior axial and radial support
- Specifiable purge grease lubrication design allows new grease to be installed while purging old grease through purge port
- Optional ring-oiled lubrication available upon request