

HORIZONTAL SPLIT CASE PRODUCT OFFERING

TYPE: SC-II

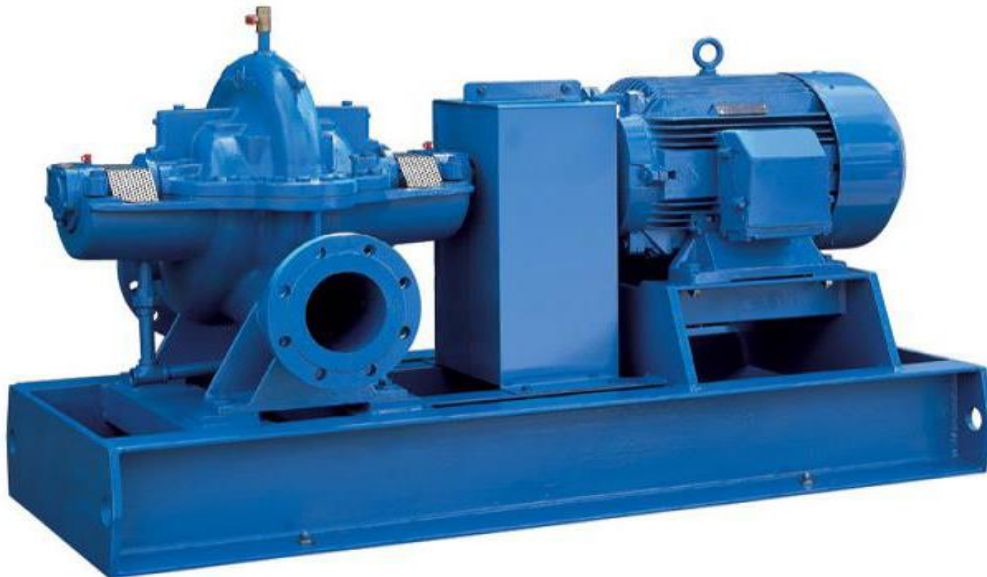
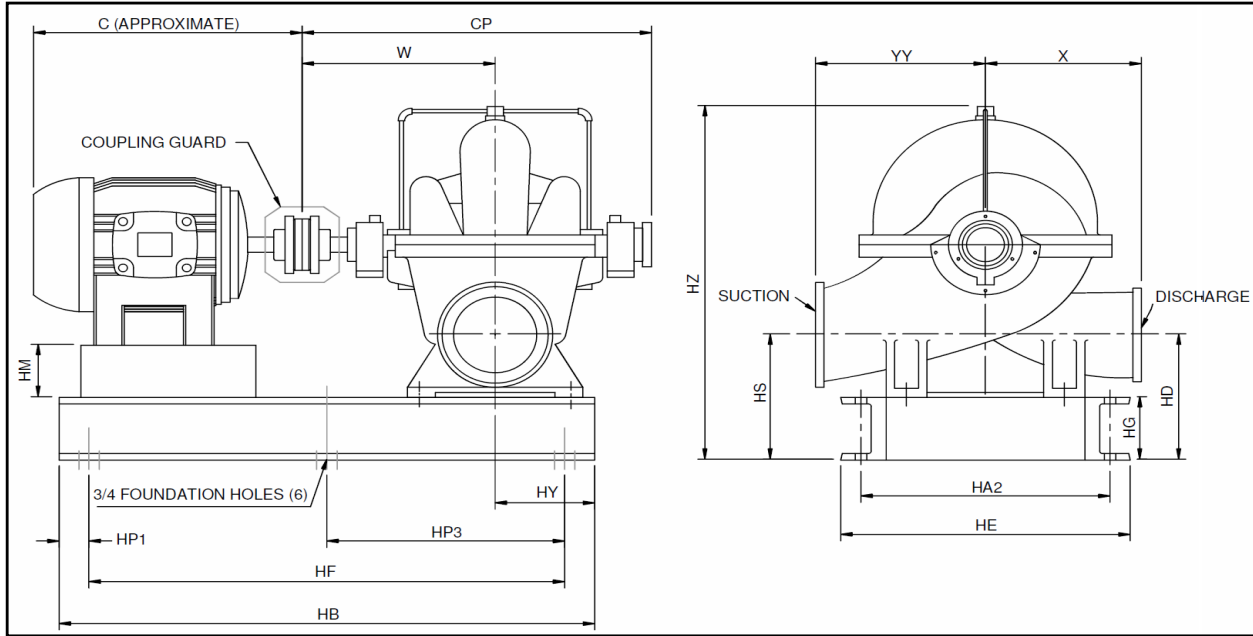
Flow Rates to 15,000 GPM
 Heads to 600' TDH
 Standard Product: CI/DI
 Engineered product: 316SS
 Fabricated Steel base

$$P = \frac{QH}{3960\eta}$$

- Double Suction Impeller Design**
- Horizontal Split Case**
- Balanced Axial Loads**
- Energy Efficient Hydraulic designs**
- Energy Efficient Motors**
- Fabricated Steel Base Plates**
- Flexible Couplings with Full Guards**

- 3600RPM 60 CYCLE**
- 1800RPM 60 CYCLE**
- 1200 RPM 60 CYCLE**

- 3000 RPM 50 CYCLE**
- 1500 RPM 50 CYCLE**
- 1000 RPM 50 CYCLE**



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Reliable performance
 Internal designs extend life cycle
Ease in maintenance
 Stainless Steel shaft sleeves protect pump shaft
 Cast iron or ductile iron pump support
 Multiple mechanical seal options
 Case pressures to 400psi-standard ductile iron

Recirculation Lines
 Provides pressurized lubrication to mechanical seal faces extending seal life. Cyclone separators are available options to reduce solids.

Renewable Case Wear Rings
 protect pump casing from wear and allow for specified tolerances to maintain efficiency.

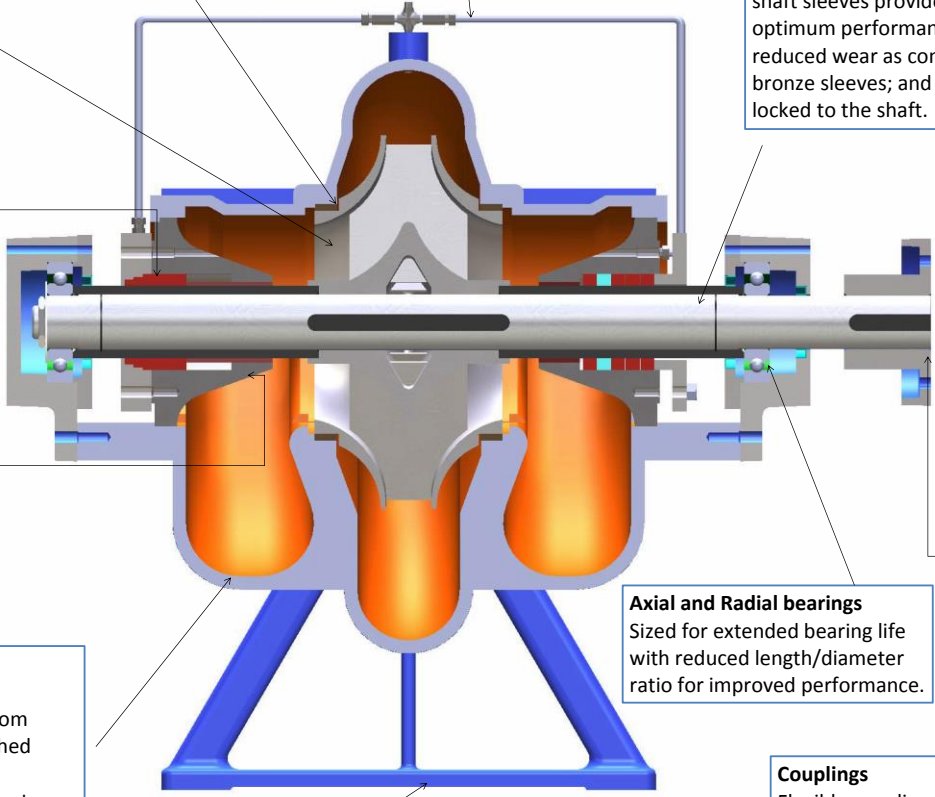
Shaft and Sleeves
 High tensile steel shaft surrounded by 400Series Stainless Steel renewable shaft sleeves provide optimum performance and reduced wear as compared to bronze sleeves; and key locked to the shaft.

Double Suction Balanced Impeller
 provide for balanced axial loads with improved hydraulic performance from maintaining close tolerance with case wear rings.

Mechanical seals
 Standard silicon carbide face with Viton elastomer provide long seal life. Type B used in balanced seals for pressures in excess of 400psi.

Suction Inlet Design
 Directs flow into the impeller eye reducing inlet flow distortion and associated vibration.

Casing design
 Suction and discharge connections are cast into the lower casing half with top and bottom casing machined in a single set up and matched properly for the rotating assembly. Rotating assembly can be removed for overhaul without disturbing piping connections. Available in cast iron and ductile iron as standard construction.



Axial and Radial bearings
 Sized for extended bearing life with reduced length/diameter ratio for improved performance.

Couplings
 Flexible couplings keyed to the pump shaft distribute power from the motor to the pump.

Cast Iron Leg Support
 Casing is designed with cast foot mounting for reduced vibration.

LIFE CYCLE COSTS AND PRODUCT SELECTION

The initial selection of the proper type of pump combined with prudent hydraulic system design are two key factors in reducing pump life cycle costs. The horizontal split case pump is perhaps the most reliable and called upon centrifugal pump for fluid applications typically in excess of 1000 GPM and generally preferred in most prestigious buildings for HVAC applications or demanded in most industrial process applications where reliability and reduced downtime are critical.

Industrial

Process Engineering

HVAC Cooling Tower

Pulp and Paper

Water Treatment

