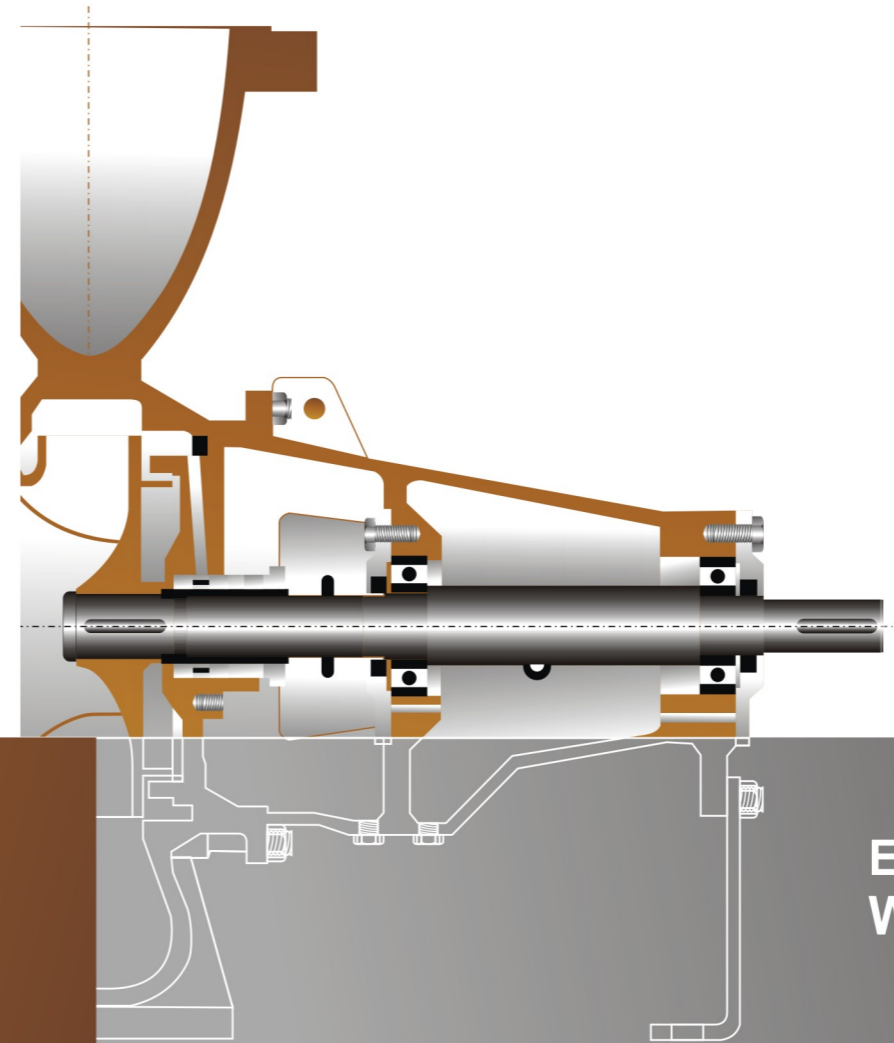


# CSA



End Suction Centrifugal Pump  
With High Efficiency Design



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### General Features

CSA series is a new line of centrifugal pump with high efficiency, excellent hydraulic performance and construction design enabling significant reduction of the operating cost of the unit for various application.

### Applications

- Industrial : Water Supply, Circulation In Cooling and Heating System, Process Water, Washing and Cleaning.
- Bulding : Pressure Boosting, Fire Fighting Service, Air Conditioning System, Fountain.
- Waterworks : Intake, Distribution, Booster Station.
- Others : Swimming Pool, Irrigation, and Drainage.

### Features

- Closed impeller design with high efficiency and excellent hydraulic performance for energy saving.
- Back pull out design enable to remove the rotating parts without distrubing the pipeline and other parts.
- Sealing arrangement available both in gland packing and mechanical seal execution.
- Flange sizes available in accordance with ISO 2084 standard.
- Heavy duty, oil lubricated bearing unit design to ensure reliability.

### Materials

Wet parts materials are available in cast iron, bronze and stainless steel.

### Specifications

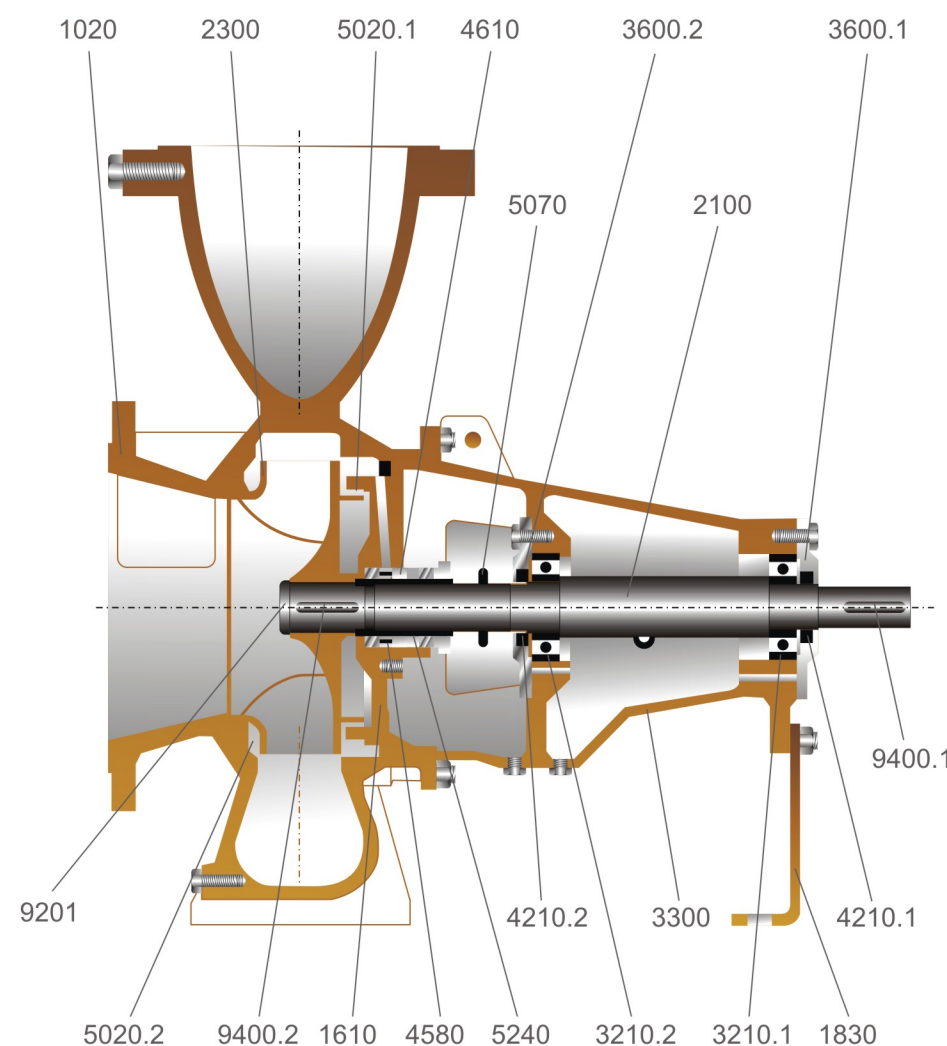
- Total Head : Up to 80 m
- Capacity : Up to 1,500 m<sup>3</sup>/hr
- Pressure : Up to 1.6 MPa
- Speed : ~ 1,450 rpm
- Temperature : ~ 10 to 80° Celcius

### Designation

- Example : CSA 300 X 250 X 315
- CSA : End Suction Centrifugal Pump
- 300 : Suction Nozzle (mm)
- 250 : Discharge Nozzle (mm)
- 315 : Impeller Diameter (mm)



### List Of Component



Part No.	Disignation
1020	Volute Casing
1610	Discharge Cover
1830	Support Foot
2100	Shaft
2300	Impeller
3210.1	Ball Bearing
3210.2	Ball Bearing
3300	Bearing Case
3600.1	Ball Cover
3600.2	Ball Cover
4210.1	Oil Seal
4210.2	Oil Seal
4580	Lantern Ring
4610	Gland Packing
5020.1	Wear Ring
5020.2	Wear Ring
5070	Deflector
5240	Shaft Sleeve
9201	Impeller Bolt
9400.1	Key
9400.2	Key

\* Typical Drawing Only

### Application

