



CN 8001-5N

# HORIZONTAL SPLIT CASING PUMP

Model CSA/CNA

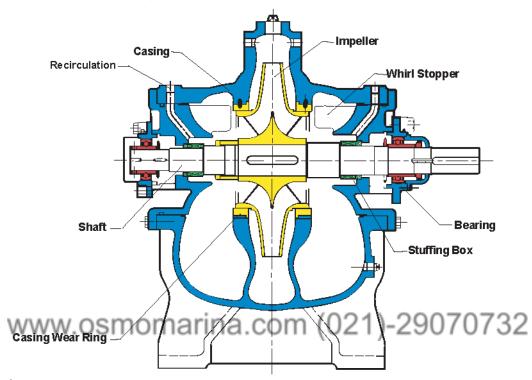
50Hz



#### HORIZONTAL SPLIT CASING PUMP

#### FEATURES

- 1. Very Compact design for ease of installation and permits minimum maintenance.
- Axially split casing allows the easy removal of the top casing for inspection and service.
- A wider range of performance with head up to 150m.
- 4. High speed drives and vertical mount available.
- 5. Anti-corrosion materials used on the rotating parts.
- 6. High quality sealed and cartridge type bearing units provide high durability.
- 7. High allowable working pressure can ensure stable running.
- 8. Mechanical seal for easy maintenance.



## Casing

The rotating assembly can be removed without disturbing connected piping as the suction and discharge flanges are integrally

casted into the lower casing half. Casing is high pressure designed and able to withstand against water surge.

#### Recirculation

Recirculation pipe lines for self-flushing are provided.

### Impeller

The hydraulic matching of casing and impeller minimizes axial thrust and recirculation, ensuring high efficiency, low NPSH required and quiet performance over the entire range of operation. Bronze material is standard.

## Whirl Stopper

The cast whirl stopper direct flow into the impeller eye for more even suction distribution. The gradually accelerated inlet flow has low tendency for velocity distortion, ensuring a *quiet operation*.

#### Shaft

316 stainless steel material ensures long life against corrosion and wear. Short support span of bearing lengthen bearing life

#### Casing Wear Ring

Replaceable bronze casing wear rings are locked to prevent rotation. It protects the pump casing from wear, permits simple maintenance of proper running clearances to reduce maintenance costs and maintain high operating efficiency.

#### Bearing

Replenishable grease lubricated deep-groove bearing units with low friction loss has a *long life* can be easily inspected and replaceable. *Auto alignment structure* absorbs shaft deflection.

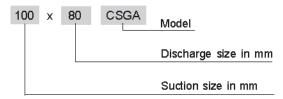
#### Stuffing Box

**John Crane type** mechanical seal is standard, easily obtainable in the market and replaceable without disturbing piping. Gland packing is available as option.

## APPLICATIONS

- 1. Water supply.
- 2. Hot and cold water circulation.
- 3. Air conditioning.
- 4. Irrigation.
- Industrial use.

# MODEL CODE



## ■ SPECIFICATION

Description		Standard		Option
Model		CSA,CNA		
Liquid Handled	Type of liquid	Clean Water, Industrial Water, River Water		
	Temperature			81°C-120°C (177°F-248°F) (only applicable for Mechanical Seal Models)
Max. Working Pressure		16 bar(16.3 kgf/cm²)		
Construction	Shaft seal	Mechanical Seal	Gland Packing	Mechanical Seal
	Bearing	Ball Bearing		
	Lubrication	Grease		
Material	Casing	Cast Iron		Ductile Cast Iron (FCD)
	Impeller	Bronze (exept 250x150 CNKA & 300x200 CNKA)		
		SCS 13 for 250x150 CNKA, 300x200 CNKA		
	Shaft	SUS 316	SUS 403	SUS 304
	Shaft sleeve		Broze	Broze
Flange	Suction	JIS 16 KRF		
	Discharge	JIS 16 KRF		
Accessories				
Standard		Air vent piping, M. seal or G. Packing, flushing water piping, Lift Bolts Drain piping (only applicable for G. Packing models)		
Option		Common base, Anchor bolts, Shaft coupling, Coupling guard		

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