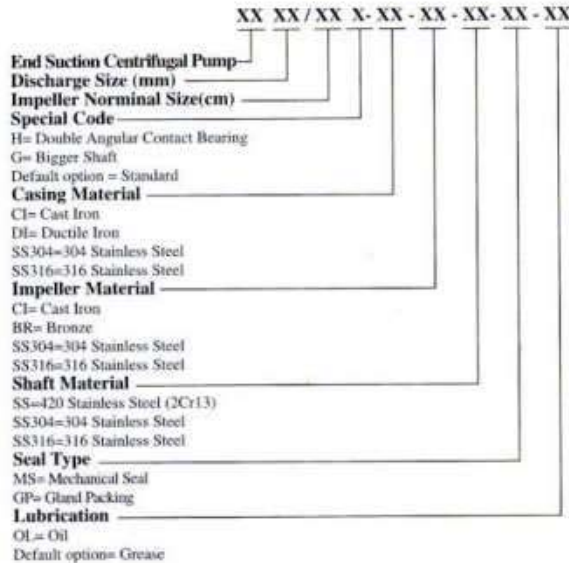


# EA Series BS EN733/ DIN24255

Eg. EA65/20G CI-BR-SS-MS-OL



## Description

EA pump series comply fully to the European standard BS EN733 / DIN24255 for both performance and dimensions.

Pumps in this series are used for pumping clean water or liquids with characteristics similar to water. They are suitable for plants, mines, city water supplies, air-conditioning coolers, firefighting system and irrigation.

For a pump of same model, the performance can be varied by trimming the outer diameter of the impeller. Only four types of shaft are required to cover the total range, and this gives many common interchangeable parts for pumps fitted to the same shaft. Just like the shaft, the bearing house has only five sizes for the whole series.

The pump has a back pull-out design, and when a suitable spacer coupling is fitted to a direct coupled unit, the casing and motor can remain in position while all other pump parts can be removed for simple and quick maintenance.

**Design:** Horizontal, Single-Stage, Single-Suction, Volute Casing, Centrifugal Pump with dimensions and nominal ratings standard of BS EN733/ DIN24255

**Structure:** Back pull-out, Axial, End-Suction

**Flange:** DIN2332 PN10RF, optional ANSI B16.5 Class300lb

**Direction of Rotation:** Clockwise viewing from the drive side

### Material:

Casing --- Cast Iron standard, optional Ductile Iron or Stainless Steel

Impeller --- Bronze standard, optional Cast Iron or Stainless Steel

Shaft --- SS420 standard, optional SS304 or SS316

Shaft Seal --- Mechanical Seal standard

(Carbon-Ceramic/Viton, optional Caron-Sic/Viton)

Optional Gland Packing

### Operating Range:

Flow Rate(Q) : 2-1100m<sup>3</sup>/h

Head(H) : 2-150m

Speed : 1450 or 2900 rpm(50Hz)

1750 or 3500 rpm(60Hz)

Temperature : -10°C to 105°C

Working Pressure : 10Bar standard; optional 16Bar

## Applications

- City Water supply
- Air-Conditioning
- Firefighting System
- Irrigation

- | No. | Name            |
|-----|-----------------|
| 1   | Volute casing   |
| 2   | Impeller nut    |
| 3   | Wear ring       |
| 4   | Impeller        |
| 5   | Casing cover    |
| 6   | Shaft spacer    |
| 7   | Mechanical seal |
| 8   | Seal cover      |
| 9   | Slinger         |
| 10  | Bearing housing |
| 11  | Shaft           |
| 12  | Bearing         |
| 13  | Bearing cover   |
| 14  | Support foot    |
| 15  | Packing sleeve  |
| 16  | Seal cage       |
| 17  | Gland packing   |
| 18  | Gland cover     |

