



## AST-PM Centrifugal Pump



### Design

Pump casing and shaft of acid-resistant steel 1.4404 (316L). Impeller of Studbolts and nuts for pump casing of stainless steel 1.4301 (304). Seals are made of EPDM.

### Applications

The PM centrifugal pump is specially designed for food, chemical, pharmaceutical and other industries where acid resistant steel is resistant to the products to be pumped.

### Shaft Seals

Mechanical single Seal with stationary seal ring of acid-resistant steel AISI 329 with sealing surface of silicon carbide, and with rotating seal ring of carbon.

### Features

The Pump is equipped with externally mounted mechanically seal and all fluid contact parts are as per FDA guidelines.

### TECHNICAL DATA

Max. inlet pressure: . . . . . 400 kPa (4 bar).

Temperature range: . . . . . -10°C to +140°C  
(EPDM).

Impeller diameter: . . . . . 115 mm.

### Motor

Standard foot-flanged motor acc. to IEC metric standard, 2 pol = 2880-3600 rpm. at 50Hz, IP55 (with drain holes with labyrinth plug), insulation class F.

Motor sizes

50 Hz: . . . . . 0.75 KW

### Voltage and frequency

3 ~, 50 Hz, 220-240V Δ/380-420VY

### Options

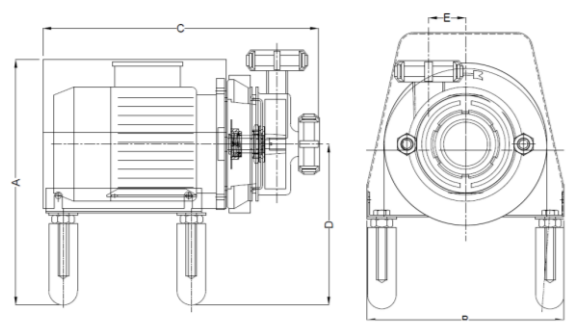
- A. Impeller with reduced diameter.
- B. Fitted on stainless steel legs (3 legs).
- C. Shroud and adjustable legs (4 legs).
- D. Other voltage, frequency or flameproof motor.
- E. Inlet and outlet with flanges.
- F. Counter flanges, collars and seal rings for flanged connections.
- G. Product wetted seals of EPDM, Fluorinated rubber (FPM) or PTFE.
- H. Rotating seal ring of Silicon Carbide.

### Ordering Data

Please state the following when ordering:

- Pump type.
- Connections.
- Voltage and frequency.
- Flow rate, pressure and temperature.
- Density and viscosity of product.
- Options.

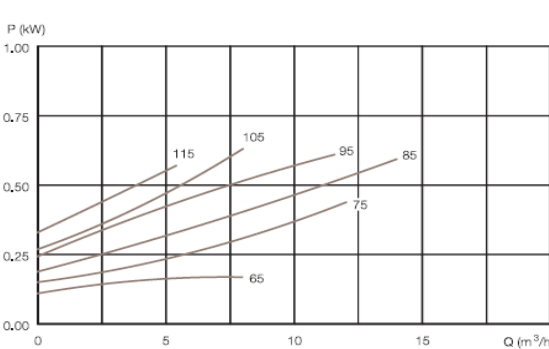
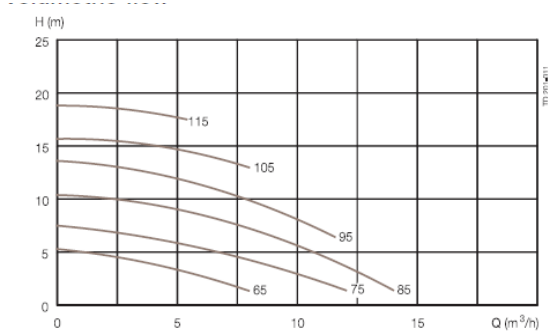
**Dimensions (mm)**



		AST- PM 1000	AST- PM 2000
Motor kW/HP		1 hp	2 hp
A	max	355	375
A	min	335	355
B		220	225
C		490	500
D		157	210
E		40	45
Weight (kg)		27.6 KG	34.4 kg
Suction/Discharge		38MM / 38MM	51/38

AST-PM1000	AST-PM2000
1HP	2HP

**Flow chart**



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