

MODEL TY10

ENG

TYPHOON vertical centrifugal pumps are high performance pumps for fixed installations with the pump immersed directly in the tank. These pumps are used to quickly empty the fluid, with flow rates ranging from 6 to 40 m³/h. The special semi-opened impeller design, allows continuous pumping even with dirty fluids with apparent viscosity up to 500cps. and small suspended solids. TYPHOON are electric motor driven pumps that, through a flexible coupling, transmitting the rotation to the shaft and the impeller, due to centrifugal effect, creates a suction on the central duct and a delivery on the peripheral tube.

MAIN FEATURES

- Casing and impeller in PP and PVDF
- O-ring in EPDM and VITON
- Length from 250mm to 1400mm
- Max delivery head 25 mts
- Max flow - Rate: 40 m³/h
- Temperature: from -20°C to +95°C
- Max viscosity: 500 CPS
- Electric motors from 0,37 Kw up to 5,5kW
- Specific Gravity up to 1.9



INSTALLATION

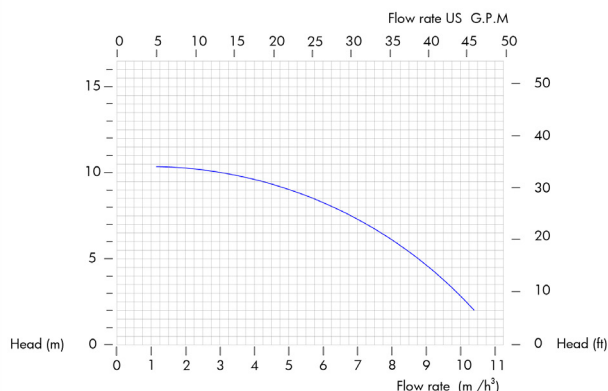
DRY RUNNING

Suitable devices should be fitted to prevent dry running and the formation of a vortex and possible air suction. Running dry or with air bubbles can cause damage to the pump.

TECHNICAL DATA

| | |
|--------------------|----------------------|
| Inlet connections | 1" 1/2 F |
| Outlet connections | 1" M |
| Max. Flow rate | 10 m ³ /h |
| Max. Delivery head | 10 mts |
| Max Viscosity | 150 cps |
| Temperature PP | -5°C +65°C |
| Temperature | -20°C +90°C |
| PVDF Impeller | Semi-Opened |

PERFORMANCE



The curves and performance values refer to pumps with free delivery outlet with water at 20 °C, and two poles motor 50 Hz. These data may vary according to the construction materials and hydraulic conditions.

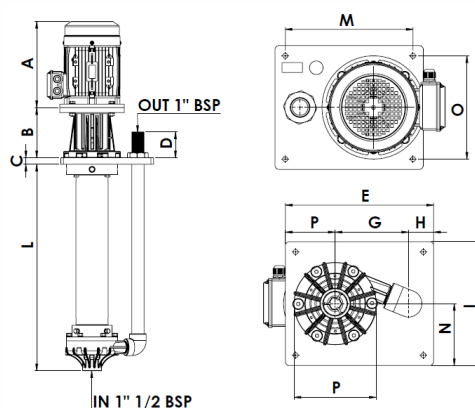
MOTOR SPECIFICATION

| SIZE | Kw | DESIGN |
|--------|------|--------|
| IEC 71 | 0,55 | B5 |
| IEC 71 | 0,75 | B5 |
| IEC 80 | 1,1 | B5 |

SPECIFIC GRAVITY TABLE

| L = 0,55 Kw | M = 0,75 Kw | H = 1,1 Kw |
|-------------|-------------|------------|
| up to 1,2 | up to 1,5 | up to 1,9 |

DIMENSIONS



| A | B | C | D | E | F | G | H | I | M | N | O | P |
|---|-----|----|----|-----|-----|-------|------|-----|-----|-----|-----|------|
| * | 147 | 20 | 80 | 340 | 130 | 128.5 | 81.5 | 260 | 290 | 130 | 210 | Ø165 |

*Depend on the manufacturer

COMPOSITION

| MODEL | CASING | O RING | LENGHT mm | CONNECTIONS | PUMP DESIGN | MOTOR VERSION |
|--------------|----------------------------------|-------------------------------------|--|--|--|------------------------|
| TY010 | P = PP K = PVDF | D = EPDM V = VITON | 250 500 800 | 1 = BSP STD 2 = FLANGED | L = LOW DENSITY M = MEDIUM DENSITY H = HIGH DENSITY | IE = IEC FLANGE |



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