MODEL TY15

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 FATURES

- Casing and impeller in PP and PVDF
- O-ring in EPDM and VITON
- Lenght 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

PP

PVDF

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	14 m3/h
Max. Delivery head	12 mts
Max Viscosity	200 cps
Temperature PP	-5°C +65°C
Temperature	-20°C +95°C
PVDF Impeller	Semi-Opened

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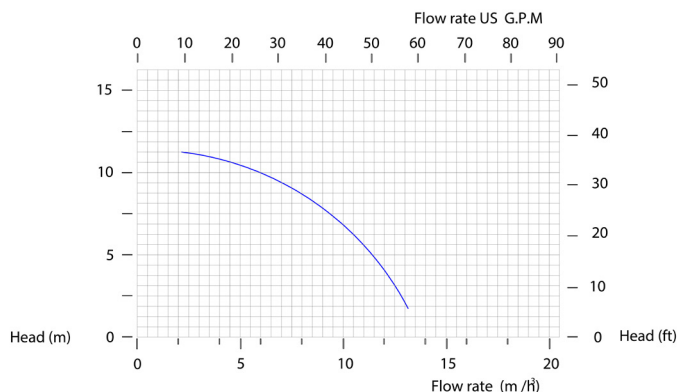
The curves and performance values refer to pumps with free delivery outlet with water at 20 °C, and two poles motor 50 Hz. These data may vary according to the construction materials and hydraulic conditions.
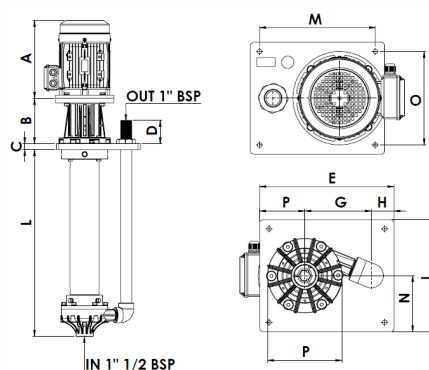
MOTOR SPECIFICATION

SIZE	Kw	DESIGN
IEC 80	0,75	B5
IEC 80	1,1	B5
IEC 80	1,5	B5

SPECIFIC GRAVITY TABLE

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

DIMENSIONS

OUT 1" BSP

IN 1" 1/2 BSP

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
TY015	**P =** PP **K =** PVDF	**D =** EPDM **V =** VITON	**250** **500** **800** **1000**	**1 =** BSP STD **2 =** FLANGED	**L =** LOW DENSITY **M =** MEDIUM DENSITY **H =** HIGH DENSITY	**IE =** IEC FLANGE