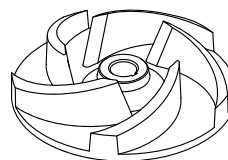


# HYDROPOMPE

## HYDRO SERIES

10M-10T-15T-15M-20M-20T-30T

OPEN  
IMPELLER



50 Hz

2 POLE

### USE

Submersible electric pumps suitable for the lifting of clear and dirty water. They can be used as portable pumps either in building yards, basement tanks or for fixed installation with electric panel and float switch.

### MATERIALS

#### Cover

Anticorodal aluminium alloy

#### Motor housing

Aluminium alloy EN-AW 6060

#### Pump housing

Anticorodal aluminium alloy

#### Strainer

Anticorodal aluminium alloy

#### Wear plate

HYDRO 10M-10T-15T stainless steel AISI 304

HYDRO 15M-20M-20T-30T anticorodal aluminium alloy with rubber coating

#### Impeller

Cast iron EN GJL 200 (UNI EN 1561)

#### Mechanical seal

Silicon Carbide/Silicon Carbide (SiC/SiC)

#### Motor shaft

Stainless steel AISI 420

#### Bolts and nuts

Stainless steel Grade A2

#### Cable

10 meters type H07RN-F

HYDRO 10M with 4G1,5mm<sup>2</sup> cable, capacitor box and SCHUKO (CEE 7/VII) plug

HYDRO 15M-20M with 4G2,5mm<sup>2</sup> cable, capacitor box and SCHUKO (CEE 7/VII) plug

Three-phase with 4G1,5mm<sup>2</sup> cable

### LIMITS TO USE

*Max temperature of the liquid pumped*  
+40°C

*pH of the liquid pumped*  
5÷8

*Max immersion depth*  
20 m

*Liquid density*  
1,0 kg/dm<sup>3</sup>

*Min immersion depth for continuous service*  
See drawing

*Free passage*  
6 mm

*Max number starts/hour*  
20

*Acoustic pressure level issued*  
<70dB(A)

### MOTOR

The electric motor is asynchronous with squirrel cage rotor in oil bath

Class of insulation F

Protection degree IP68

2pole; 50Hz

Main voltage values and relative tolerance in relation to the rated voltage value:

#### SINGLE-PHASE

230V ±6%

built-in overheating protection and float switch

#### THREE-PHASE

230V ±10%

400V ±10%

Other voltages on request.

### OTHER FEATURES ON REQUEST


Frequency 60 Hz (*see specific catalogue*)

Other voltages

With food grade white oil

### TECHNICAL DATA

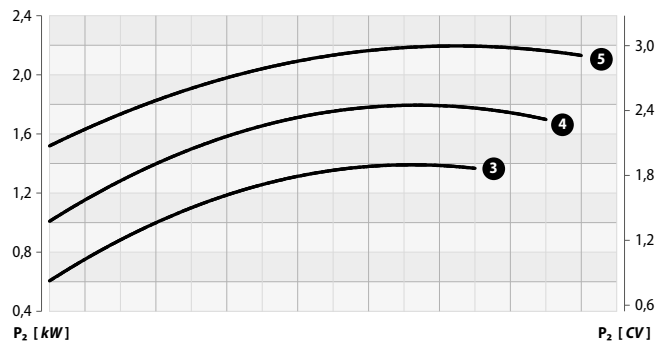
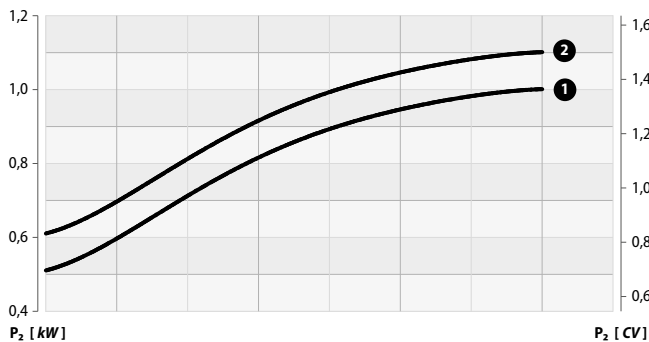
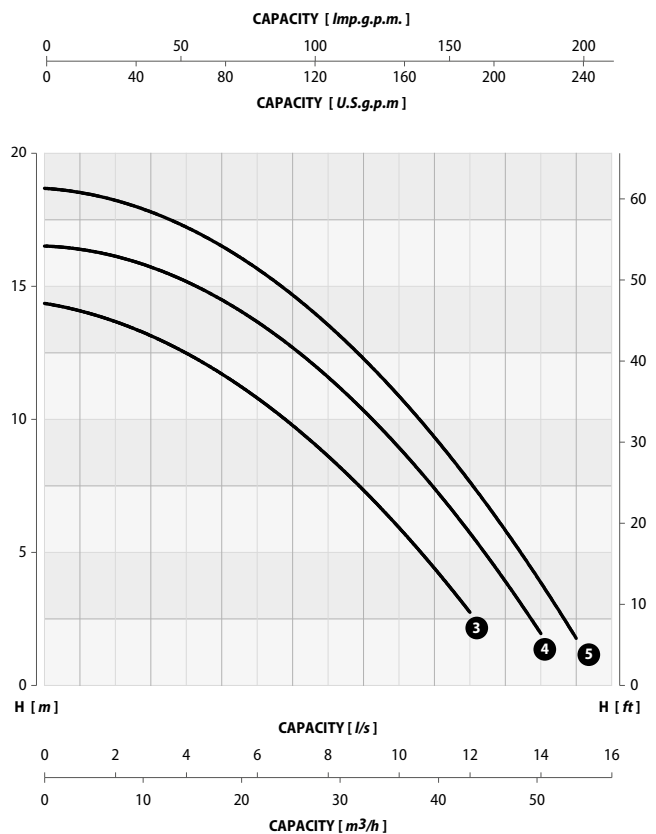
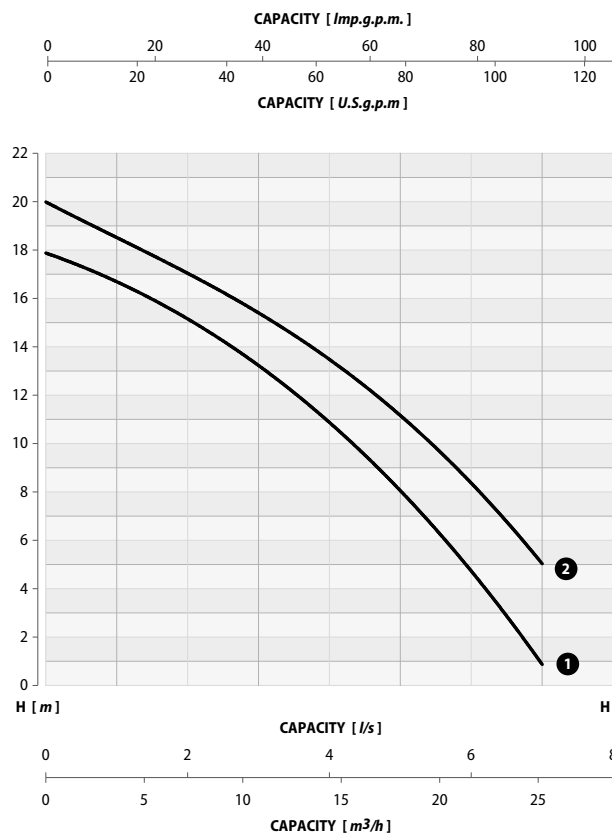
MODEL	P1	P2		VOLTAGE V	CURRENT A	CAPACITOR		CABLE m	WEIGHT kg
	kW	kW	CV			µF	V		
10M	1,4	1,0	1,36	230 (1~)	7,2	25	450	10	20
10T	1,4	1,0	1,36	230/400 (3~)	3,5/2,0	-	-	10	20
15T	1,7	1,1	1,5	230/400 (3~)	5,2/3,0	-	-	10	20
15M	2,1	1,4	1,9	230 (1~)	12,0	25	450	10	23
20M	2,4	1,8	2,4	230 (1~)	14,0	30	450	10	27
20T	2,4	1,8	2,4	230/400 (3~)	8,0/4,6	-	-	10	25
30T	2,9	2,2	3,0	230/400 (3~)	8,7/5,0	-	-	10	26

<b>HYDRO SERIES</b>	<b>10M-10T-15T-15M-20M-20T-30T</b>	 <b>OPEN IMPELLER</b>	<b>50 Hz</b>
			<b>2 POLE</b>

# **PERFORMANCE RANGE**

CAPACITY																	
<i>l/s</i>	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
<i>m³/h</i>	0	3,6	7,2	10,8	14,4	18,0	21,6	25,2	28,8	32,4	36,0	39,6	43,2	46,8	50,4	54,0	
<i>l/min</i>	0	60	120	180	240	300	360	420	480	540	600	660	720	780	840	900	

MODEL	CURVE N°	HEAD <i>m</i>															
		18,0	16,5	15,0	13,5	11,0	8,0	4,5	1,0	-	-	-	-	-	-	-	-
<b>10M</b>	1																
<b>10T</b>																	
<b>15T</b>	2	20,0	18,5	17,0	15,5	13,5	11,0	8,5	5,0	-	-	-	-	-	-	-	-
<b>15M</b>	3	14,3	14,1	13,7	13,1	12,5	11,8	11,0	9,8	8,5	7,0	6,0	4,5	2,8	-	-	-
<b>20M</b>	4	16,6	16,3	16,1	15,8	15,1	14,2	14,0	12,8	11,8	10,2	9,0	7,0	5,8	4,0	2,0	-
<b>20T</b>																	
<b>30T</b>	5	18,5	18,5	18,2	17,8	17,5	16,5	16,0	14,7	13,9	12,0	10,5	9,1	7,5	5,8	4,0	2,0



Performance tolerance in according to UNI/ISO 9906 Grade 3B

# HYDRO SERIES

10M-10T-15T-15M-20M-20T-30T

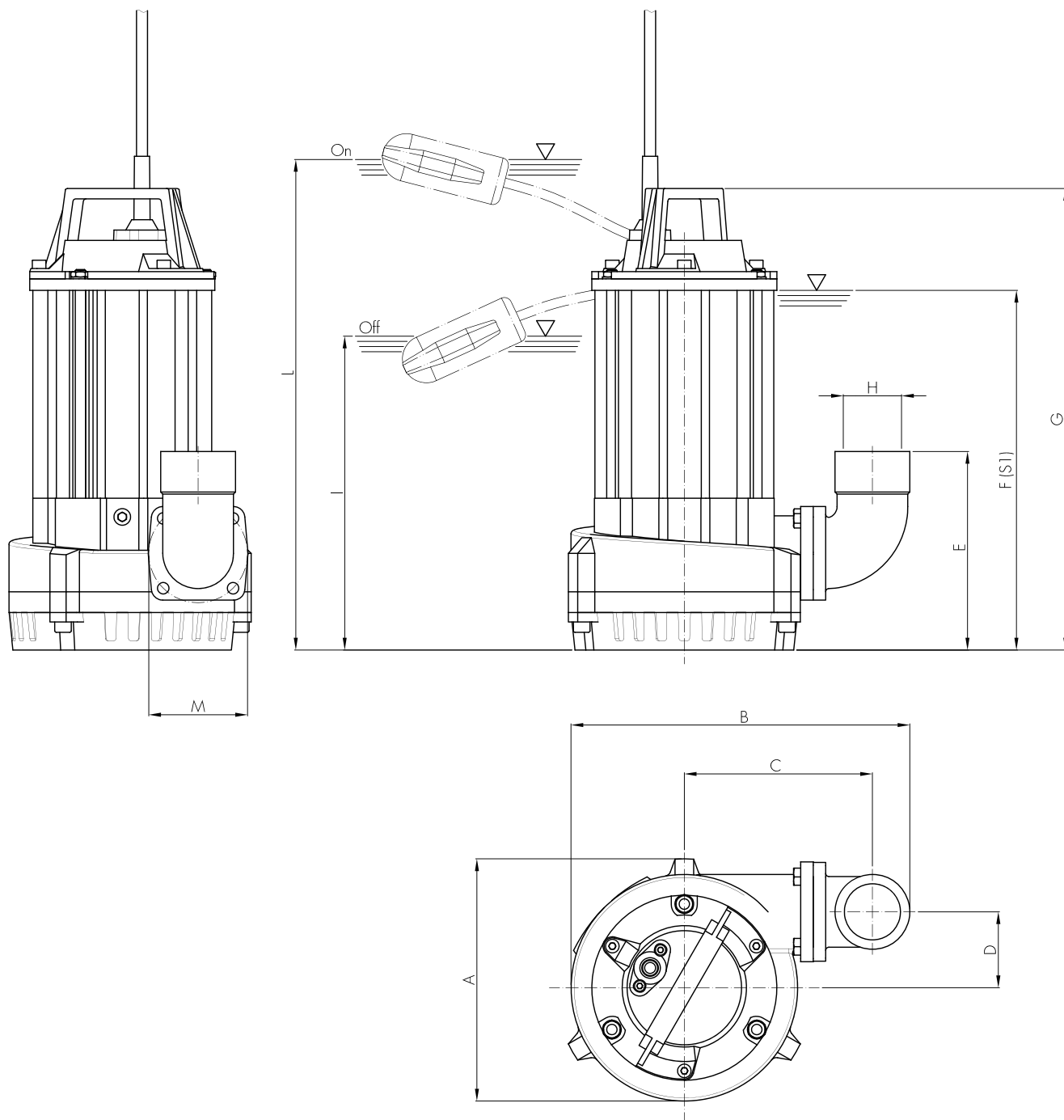


OPEN IMPELLER


50 Hz

2 POLE

## INSTALLATION DIMENSIONS



	A	B	C	D	E	F	G	H	I	L	M
10M	190	290	175	60	162	290	390	G1½			75
10T											
15T											
15M	233	326	180	73	190	345	445	G2			95
20M											
20T											
30T											
10M/G	190	290	175	60	162	290	390	G1½	~230	~440	75
15M/G	233	326	180	73	190	345	485	G2	~240	~530	95
20M/G											

HYDRO SERIES	10M-10T-15T-15M-20M-20T-30T	 OPEN IMPELLER	50 Hz
			2 POLE

NOTES



Notes area with horizontal dashed lines for writing.