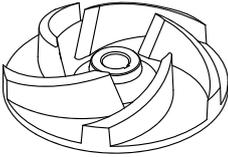


HYDROPOMPE	OPEN IMPELLER 	50 Hz
HYDRO SERIES		
10M-10T-15T-15M-20M-20T-30T		2 POLE

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

5 meters type H07RN-F

HYDRO 10M with 4G1,5mm² cable, capacitor box and SCHUKO (CEE 7/VII) plug

HYDRO 15M-20M with 4G2,5mm² cable, capacitor box and SCHUKO (CEE 7/VII) plug

Three-phase with 4G1,5mm² 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/dm³

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

10m cable length in accordance with EN 60335-2-41

Frequency 60 Hz (see specific catalogue)

Other voltages

With food grade white oil

TECHNICAL DATA

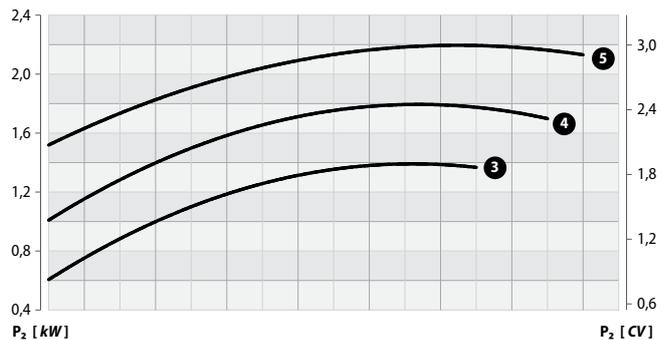
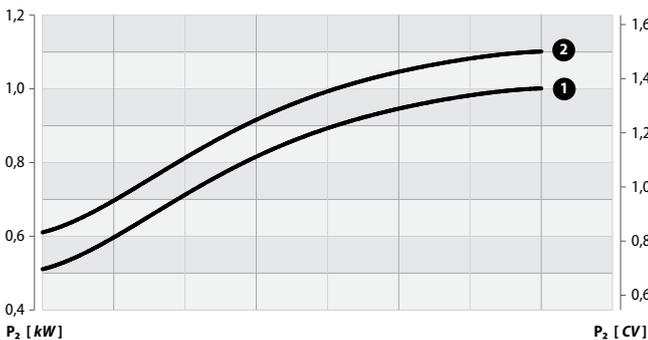
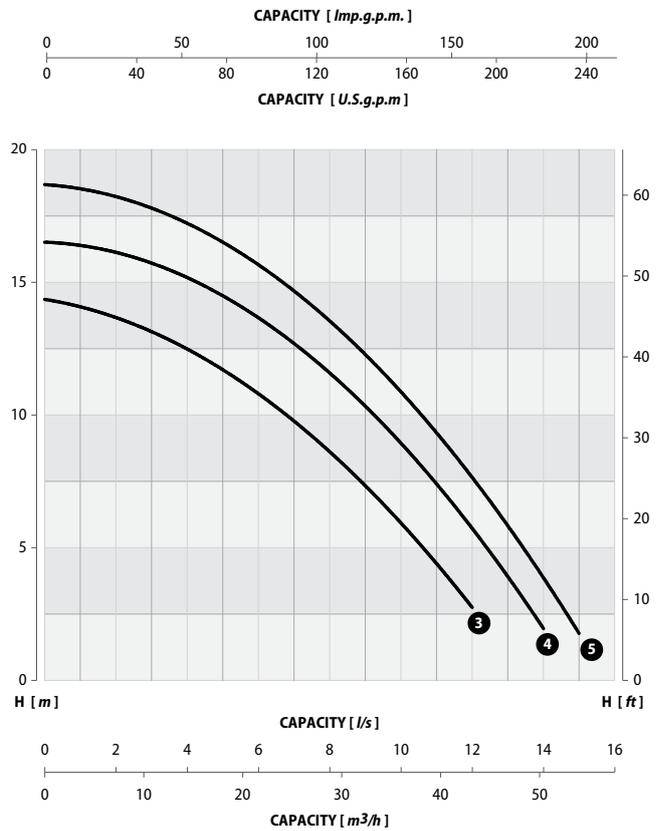
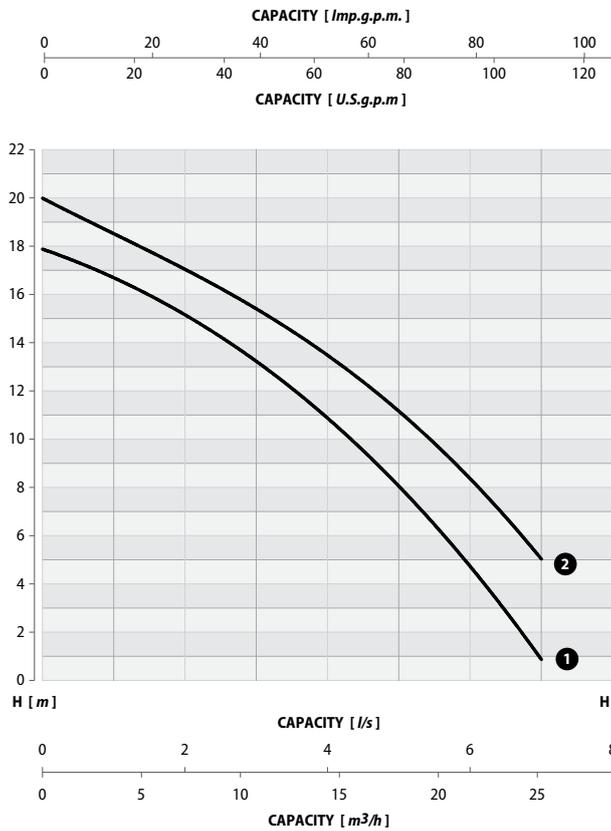
MODEL	P1 kW	P2		VOLTAGE V	CURRENT A	CAPACITOR		CABLE m	WEIGHT kg
		kW	CV			µF	V		
10M	1,4	1,0	1,36	230 (1~)	7,2	25	450	5	20
10T	1,4	1,0	1,36	230/400 (3~)	2,0	-	-	5	20
15T	1,7	1,1	1,5	230/400 (3~)	5,2/3,0	-	-	5	20
15M	2,1	1,4	1,9	230 (1~)	12,0	25	450	5	23
20M	2,4	1,8	2,4	230 (1~)	14,0	30	450	5	27
20T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

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

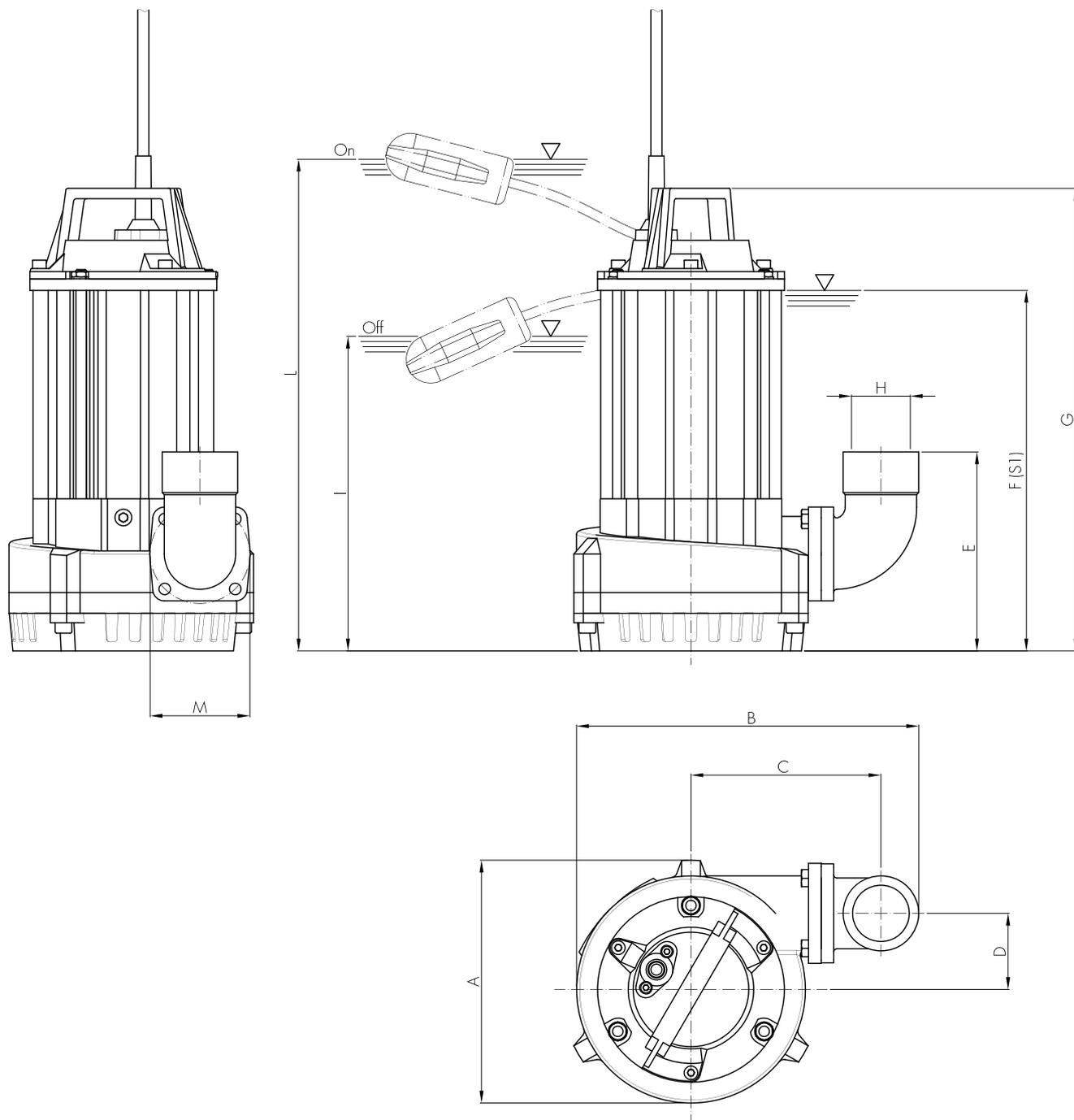
PERFORMANCE RANGE

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 m															
		10M	1	18,0	16,5	15,0	13,5	11,0	8,0	4,5	1,0	-	-	-	-	-	-
10T	18,0	16,5		15,0	13,5	11,0	8,0	4,5	1,0	-	-	-	-	-	-	-	
15T	2	20,0	18,5	17,0	15,5	13,5	11,0	8,5	5,0	-	-	-	-	-	-	-	
15M	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	-	-	
20M	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	
20T		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	
30T	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	



Performance tolerance in according to UNI/ISO 9906 Grade 2

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											
10T	190	290	175	60	162	290	390	G1½			75
15T											
15M											
20M											
20T	233	326	180	73	190	345	445	G2			95
30T											
10M/G	190	290	175	60	162	290	390	G1½	~230	~440	75
15M/G											
20M/G	233	326	180	73	190	345	485	G2	~240	~530	95

