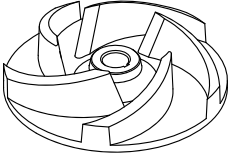


<b>HYDROPOMPE</b>	<b>OPEN IMPELLER</b> 	<b>50 Hz</b>
<b>HYDRO SERIES</b>		<b>2 POLE</b>
<b>N1100M-N1100T-40T-50T</b>		

#### USE

Submersible electric pumps suitable for the lifting of clear and dirty water. They are especially used in building yards and for pumping abrasive liquids. Owing to their maneuverability they can be easily moved.

#### MATERIALS

##### Cover

Anticorodal aluminium alloy

##### Motor housing

Anticorodal aluminium alloy

##### Pump housing

Anticorodal aluminium alloy

##### Strainer

Stainless steel AISI 304

##### Wear plate

Anticorodal aluminium alloy with rubber coating

##### Impeller

HYDRO 1100 Cast iron EN GJL 200

HYDRO 40T-50T Martensitic stainless steel

##### Mechanical seal motor side

Ceramics/Graphite

##### Mechanical seal impeller side

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 N1100M with 4G2,5 mm<sup>2</sup> cable, capacitor box and SCHUKO (CEE 7/VI) plug

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

HYDRO 50T with 4G2,5 mm<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

1,1 kg/dm<sup>3</sup>

##### Min immersion depth

457 mm

##### 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 dry chamber

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%

##### THREE-PHASE

230V ±10%

400V ±10%

Other voltages on request.

#### OTHER FEATURES ON REQUEST

With industrial plug (IEC 60309-2) in accordance with EN 60335-2-41

With coating in composite material for wear protection\*


Frequency 60 Hz (*see specific catalogue*)

Other voltages

\* Possible variations of the hydraulic performance

#### TECHNICAL DATA

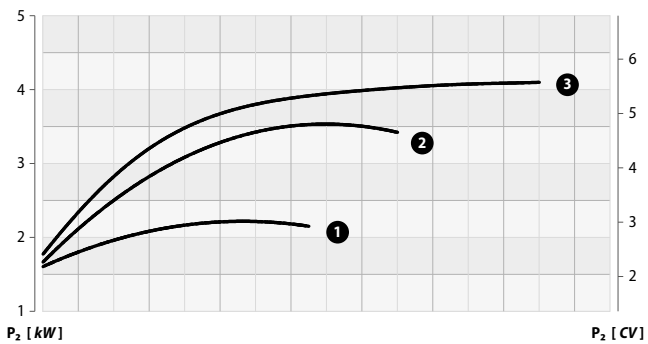
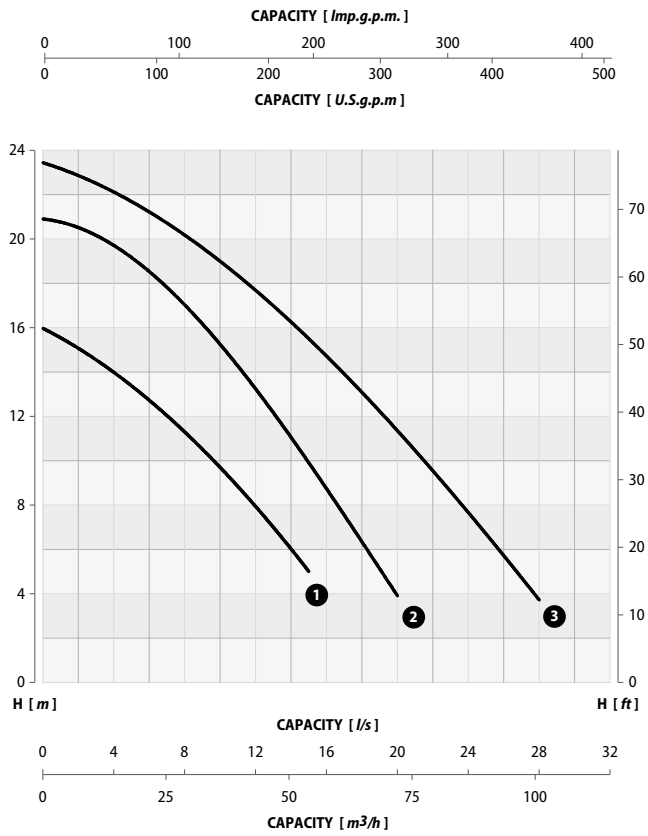
MODEL	P1 kW	P2		VOLTAGE V	CURRENT A	CAPACITOR		CABLE m	WEIGHT kg
		kW	CV			μF	V		
<b>N1100M</b>	3,0	2,2	3,0	230 (1~)	14,0	50	450	10	33
<b>N1100T</b>	3,0	2,2	3,0	400 (3~)	5,2	-	-	10	30
<b>40T</b>	4,7	3,5	4,7	400 (3~)	8,0	-	-	10	31
<b>50T</b>	6,2	4,1	5,5	400 (3~)	9,9	-	-	10	35

<b>HYDRO SERIES</b>	<b>N1100M-N1100T-40T-50T</b>		<b>OPEN IMPELLER</b>	<b>50 Hz</b>
				<b>2 POLE</b>


**PERFORMANCE RANGE**

CAPACITY											
<i>l/s</i>	0	2	4	6	8	10	12	15	20	25	28
<i>m³/h</i>	0	7,2	14,4	21,3	28,8	36,0	43,2	54,0	72,0	90,0	100,8
<i>l/min</i>	0	120	240	360	480	600	720	900	1200	1500	1680

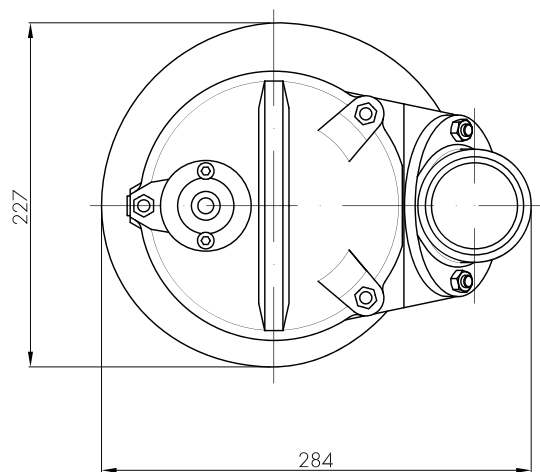
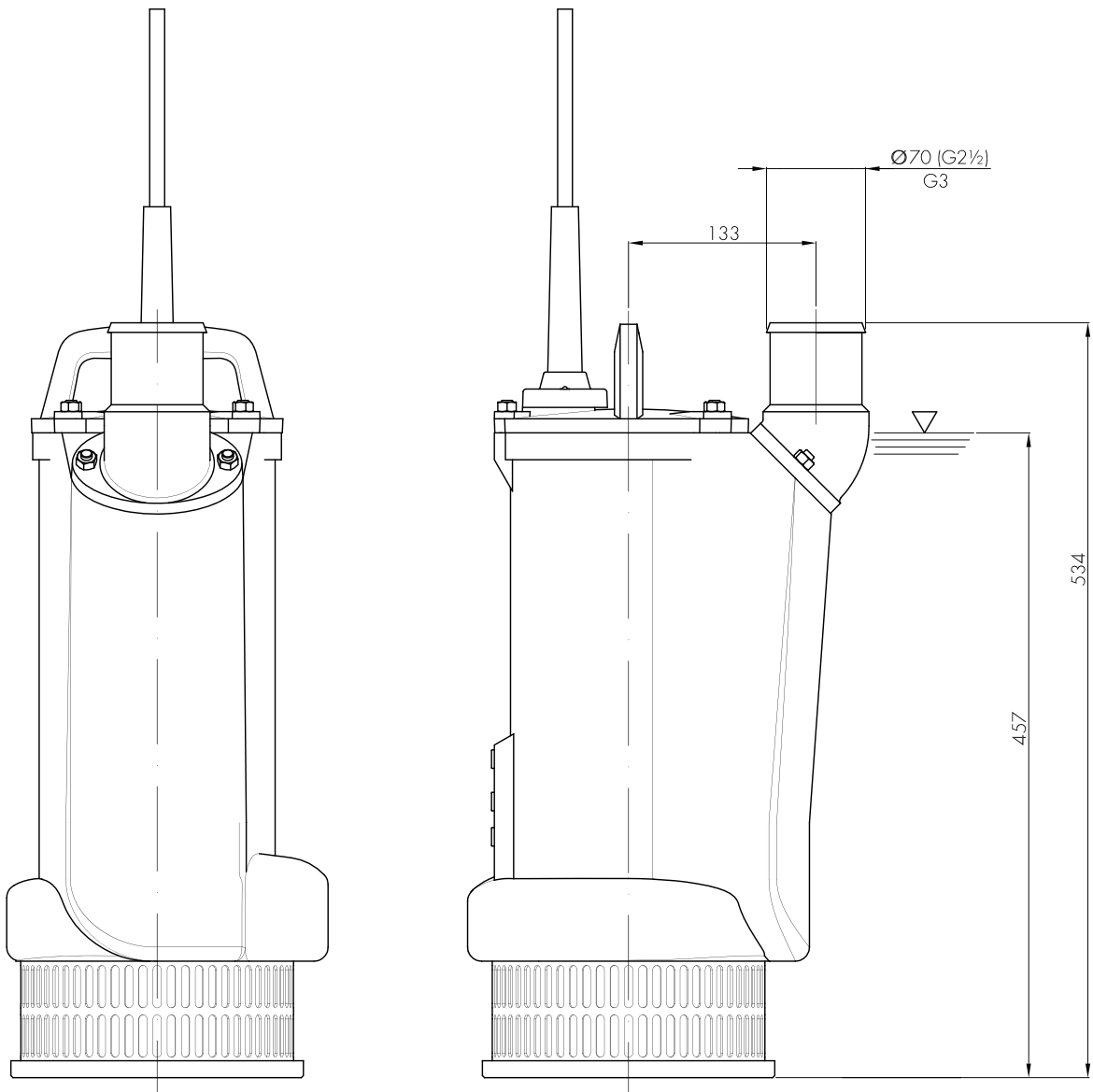
MODEL	CURVE N°	HEAD m										
		N1100M	1	16,0	15,0	14,0	12,8	11,3	9,6	8,0	5,0	-
N1100T	21,0	20,5		19,5	18,5	17,0	15,5	13,5	9,5	4,0	-	-
40T	2	23,3	22,9	22,5	21,0	20,5	18,5	17,5	15,8	11,5	6,5	3,8
50T	3											




Performance tolerance in according to UNI/ISO 9906 Grade 2

<b>HYDRO SERIES</b>	<b>N1100M-N1100T-40T-50T</b>	 <b>OPEN IMPELLER</b>	<b>50 Hz</b>
			<b>2 POLE</b>

**INSTALLATION DIMENSIONS**



<b>HYDRO SERIES</b>	<b>N1100M-N1100T-40T-50T</b>		<b>OPEN IMPELLER</b>	<b>50 Hz</b>
				<b>2 POLE</b>

**NOTES**



Dotted lines for writing notes.