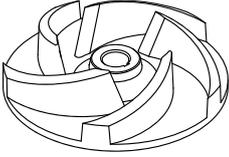


<b>HYDROPOMPE</b>	<b>OPEN IMPELLER</b> 	<b>50 Hz</b>
<b>HYDRO SERIES</b>		<b>2 POLE</b>
<b>2400-3200-4200-4500</b>		

#### 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.

#### MATERIALS

##### Cover

Anticorodal aluminium alloy

##### Motor housing

Anticorodal aluminium alloy

##### Pump housing

Anticorodal aluminium alloy with rubber coating

##### Strainer

Stainless steel AISI 304

##### Wear plate

Stainless steel with rubber coating

##### Impeller

Martensitic stainless steel or with rubber coating

##### Mechanical seal motor side

Ceramics/Graphite

##### Mechanical seal impeller side

Silicon Carbide/Silicon Carbide (SiC/SiC)

##### Motor shaft

Stainless steel AISI 431

##### Bolts and nuts

Stainless steel Grade A2

##### Cable

20 meters type H07RN-F 4G4mm<sup>2</sup>

#### 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

200 mm

##### Free passage

6 mm

##### Max number starts/hour

15

##### 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:

##### 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	CABLE m	WEIGHT kg
		kW	CV				
2400 BP	6,8	5,0	6,8	230/400 (3~)	20,7/12,0	20	70
3200 BP	8,5	7,0	9,5	230/400 (3~)	26,0/15,0	20	80
4200 BP	10,0	8,1	11,0	230/400 (3~)	28,5/16,5	20	85
4500 BP	12,0	10,0	13,6	230/400 (3~)	32,8/19,0	20	87
2400 AP	6,8	5,0	6,8	230/400 (3~)	20,7/12,0	20	70
3200 AP	8,5	7,0	9,5	230/400 (3~)	26,0/15,0	20	80

# HYDRO SERIES

2400-3200-4200-4500



OPEN IMPELLER

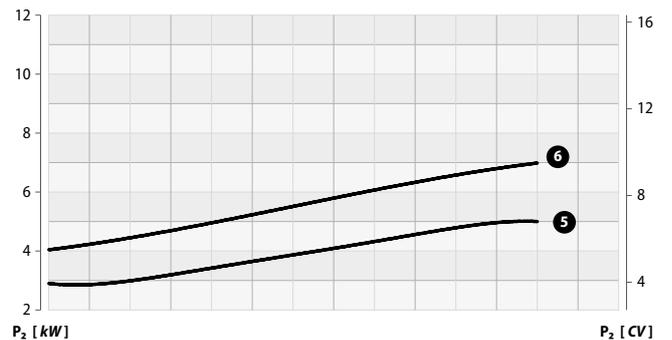
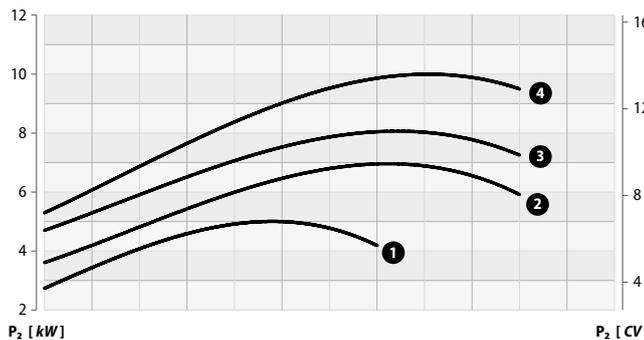
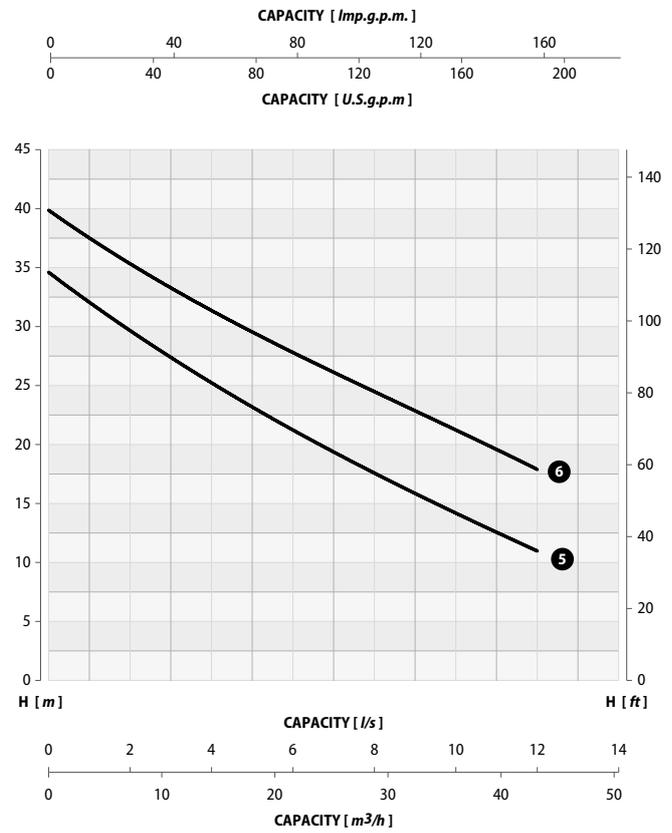
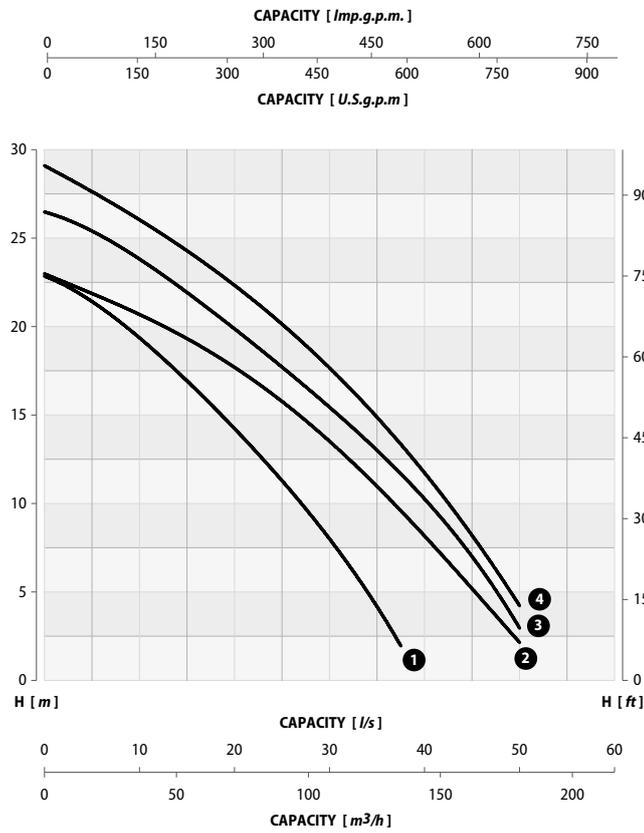
50 Hz

2 POLE

## PERFORMANCE RANGE

		CAPACITY															
<i>l/s</i>	0	2	4	6	8	10	12	15	20	25	30	35	37,5	40	45	50	
<i>m³/h</i>	0	7,2	14,4	21,6	28,8	36	43,2	54	72	90	108	126	135	144	162	180	
<i>l/min</i>	0	120	240	360	480	600	720	900	1200	1500	1800	2100	2250	2400	2700	3000	

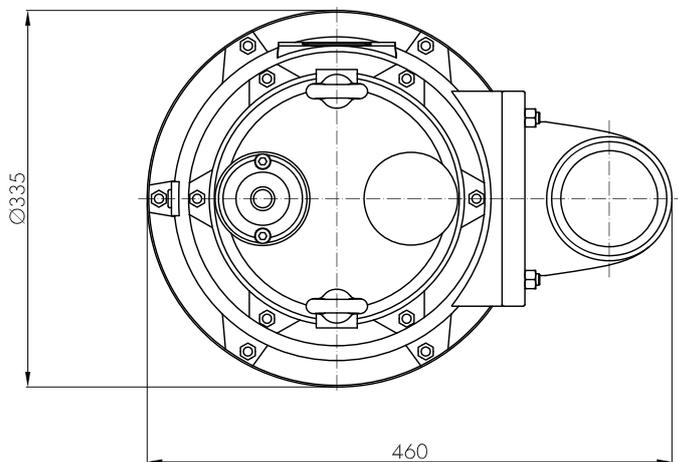
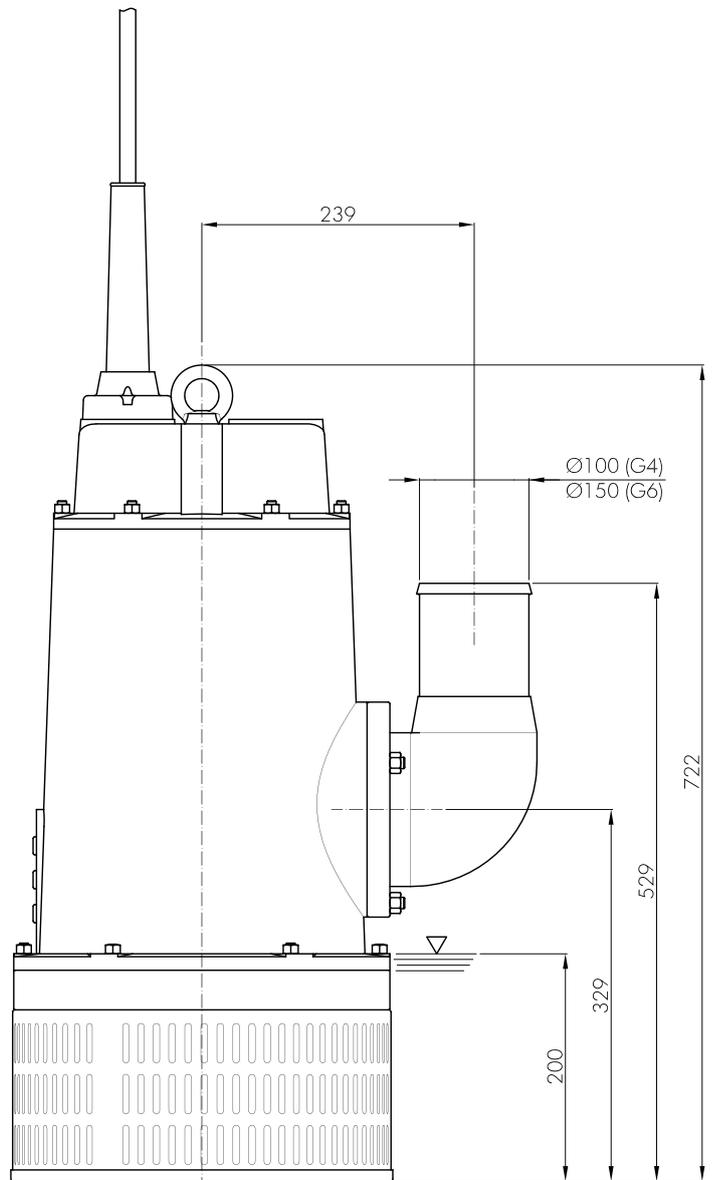
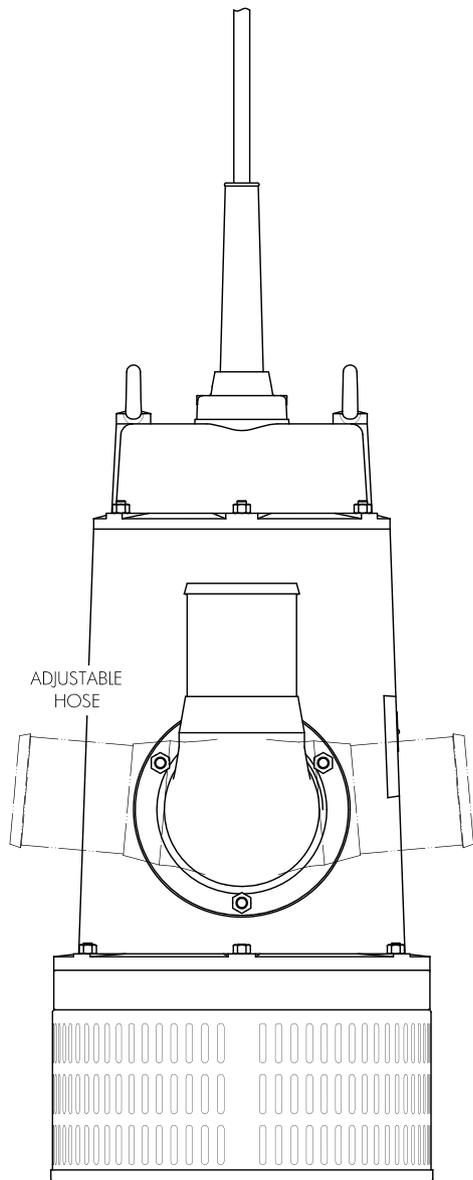
MODEL	CURVE N°	HEAD <i>m</i>															
		23,0	22,0	21,6	21,1	20,2	20,0	18,0	17,0	14,0	11,5	8,0	4,1	2,0	-	-	-
2400 BP	1	23,0	22,0	21,6	21,1	20,2	20,0	18,0	17,0	14,0	11,5	8,0	4,1	2,0	-	-	-
3200 BP	2	23,0	22,6	22,2	21,5	21,1	20,6	20,0	19,5	18,0	16,0	13,0	11,0	9,5	8,2	5,5	2,0
4200 BP	3	26,5	26,0	25,6	25,1	24,8	24,5	22,5	21,5	20,0	17,8	15,5	13,1	11,8	10,0	7,0	3,0
4500 BP	4	28,6	28,4	28,2	27,8	27,0	26,5	25,0	24,0	22,0	20,0	17,5	15,0	13,5	12,0	8,3	4,0
2400 AP	5	34,5	30,0	25,0	21,0	18,0	14,0	11,0	-	-	-	-	-	-	-	-	-
3200 AP	6	40,0	35,0	31,5	28,0	24,5	21,0	18,0	-	-	-	-	-	-	-	-	-



Performance tolerance in according to UNI/ISO 9906 Grade 2

<b>HYDRO SERIES</b>	<b>2400-3200-4200-4500</b>		<b>OPEN IMPELLER</b>	<b>50 Hz</b>
				<b>2 POLE</b>

**INSTALLATION DIMENSIONS**



<b>HYDRO SERIES</b>	<b>2400-3200-4200-4500</b>		<b>OPEN IMPELLER</b>	<b>50 Hz</b>
				<b>2 POLE</b>

**NOTES**



Area with horizontal dashed lines for taking notes.

**i** Changes reserved