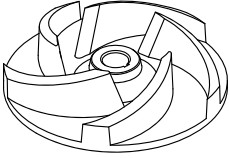


HYDROPOMPE	OPEN IMPELLER	50 Hz
HYDRO SERIES		2 POLE
5K2 - 6K2 - 8K2		

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

Pump housing

Cast iron EN GJL 200 (UNI EN 1561) with rubber coating

Wear plate

Cast iron EN GJL 250 (UNI EN 1561) with rubber coating

Motor housing

Cast iron EN GJL 250 (UNI EN 1561)

Cover

Cast iron EN GJL 250 (UNI EN 1561)

Impeller

High chrome cast iron

Mechanical seal motor side

Ceramics/Graphite

Mechanical seal impeller side

Silicon Carbide/Silicon Carbide (SiC/SiC)

Motor shaft

Stainless steel AISI 431

Strainer

Stainless steel AISI 304

Cooling jacket

Stainless steel AISI 304

Bolts and nuts

Stainless steel Grade A2

Cable

20 meters type S1RN8-F

HYDRO 5-6K2 with cable 4G2,5+3x1mm²

HYDRO 8K2 with cable 4G4+3x1mm²

LIMITS TO USE

Max temperature of the liquid pumped

+40°C

pH of the liquid pumped

6÷10

Max immersion depth

20 m

Liquid density

1,1 kg/dm³

Min immersion depth

150 mm

Free passage

10 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:

THREE-PHASE

400V ±10%

Other voltages on request.

OTHER FEATURES ON REQUEST

Frequency 60 Hz (*see specific catalogue*)

Other voltages

Inner control of the thermal probes in the winding, control sequence and lack of phase

TECHNICAL DATA

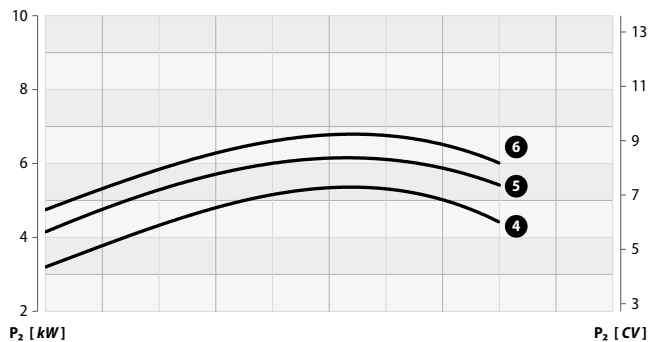
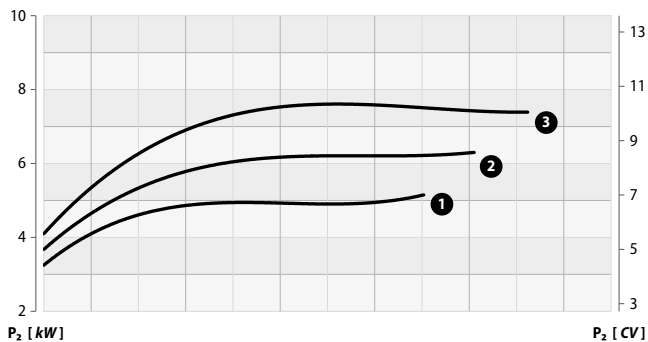
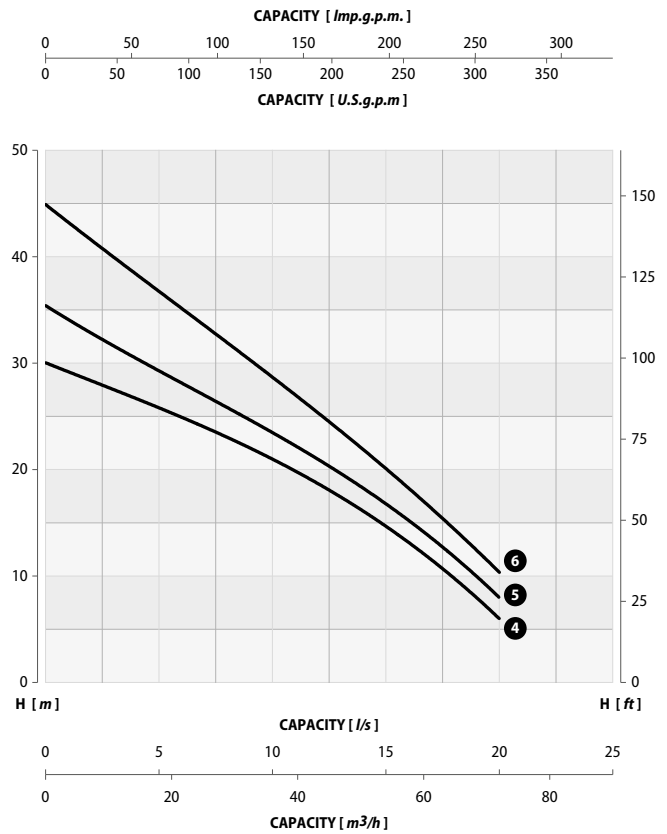
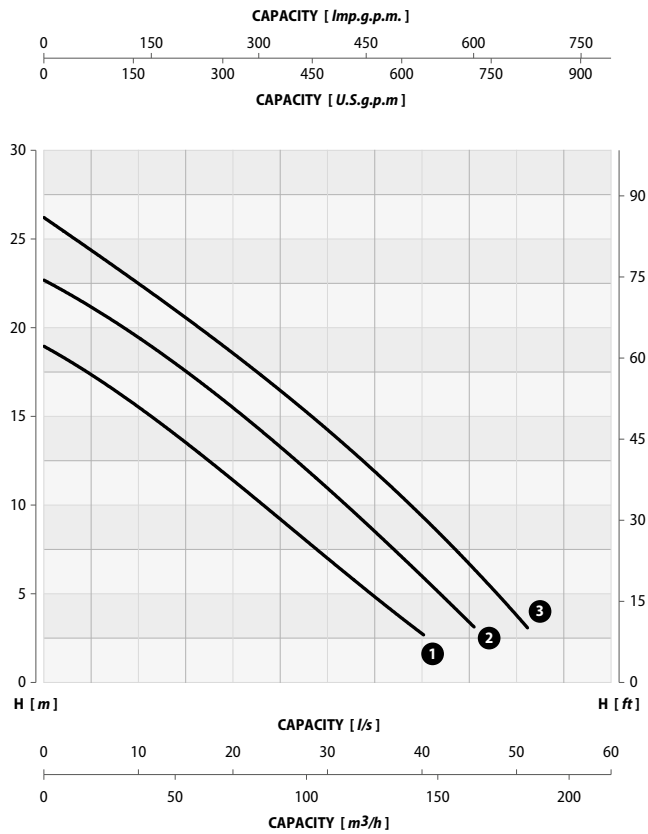
MODEL	P1	P2		VOLTAGE V	CURRENT A	CABLE m	WEIGHT kg
	kW	kW	CV				
5K2 BP	6,0	5,5	7,5	400 (3~)	11,0	20	125
6K2 BP	7,2	6,5	8,8	400 (3~)	13,0	20	130
8K2 BP	9,0	8,1	11,0	400 (3~)	16,0	20	135
5K2 AP	6,0	5,5	7,5	400 (3~)	11,0	20	125
6K2 AP	7,2	6,5	8,8	400 (3~)	13,0	20	130
8K2 AP	9,0	8,1	11,0	400 (3~)	15,0	20	135

HYDRO SERIES	5K2 - 6K2 - 8K2		OPEN IMPELLER	50 Hz
				2 POLE


PERFORMANCE RANGE

CAPACITY											
<i>l/s</i>	0	5	10	15	20	25	30	35	40	45	50
<i>m³/h</i>	0	18	36	54	72	90	108	126	144	162	180
<i>l/min</i>	0	300	600	900	1200	1500	1800	2100	2400	2700	3000

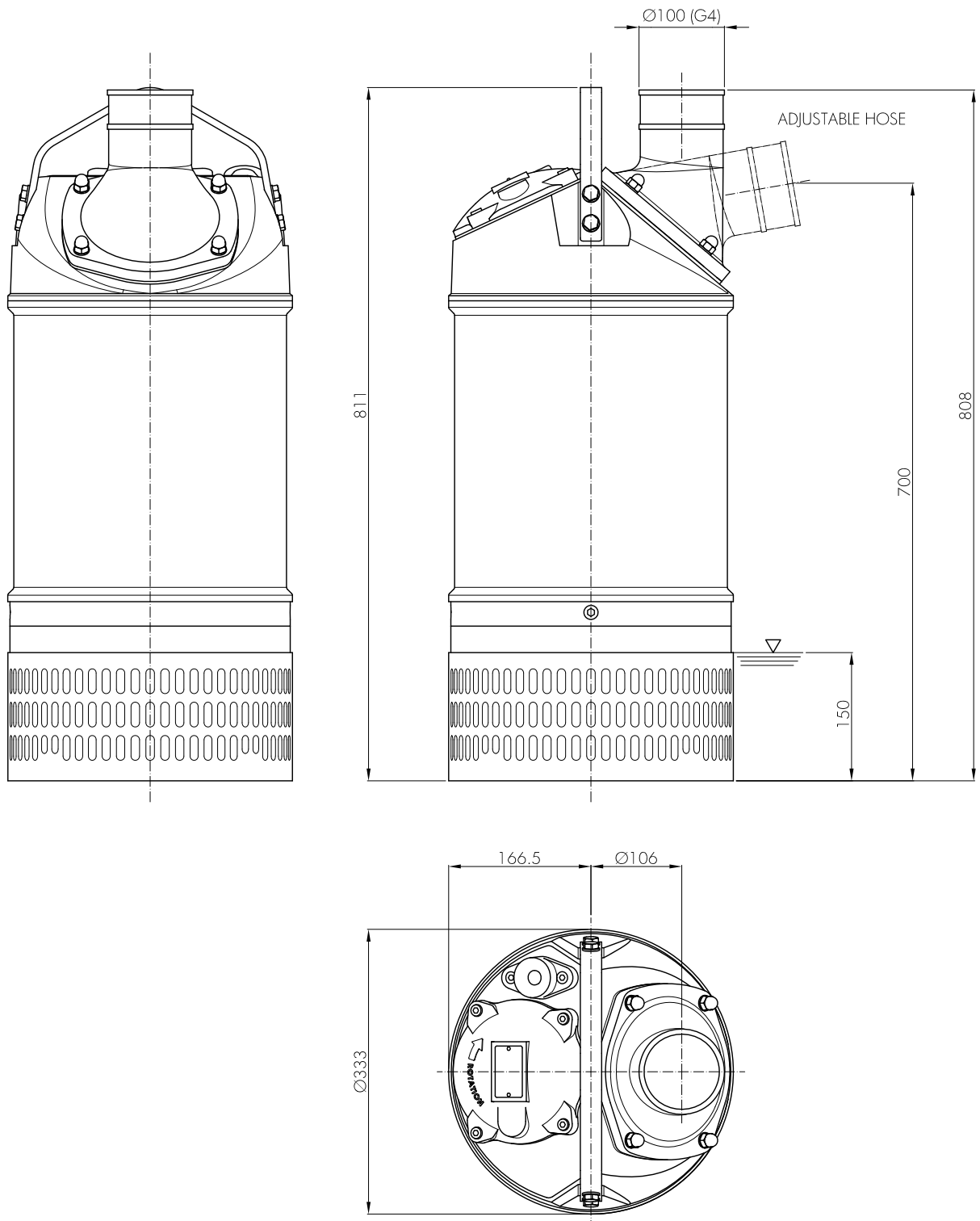
MODEL	CURVE N°	HEAD m										
		5K2 BP	1	19,0	17,5	15,7	13,4	11,3	9,1	7,0	5,1	2,6
6K2 BP	2	22,4	21,4	20,0	17,6	15,1	12,7	10,9	8,8	6,6	3,0	-
8K2 BP	3	25,9	24,6	22,9	20,6	18,3	15,9	14,1	12,1	9,7	6,8	3,0
5K2 AP	4	30,0	26,0	20,8	14,6	6,3	-	-	-	-	-	-
6K2 AP	5	35,3	29,5	23,2	16,7	8,3	-	-	-	-	-	-
8K2 AP	6	45,0	36,6	28,8	20,2	10,1	-	-	-	-	-	-




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

HYDRO SERIES	5K2 - 6K2 - 8K2		OPEN IMPELLER	50 Hz
				2 POLE

INSTALLATION DIMENSIONS



HYDRO SERIES	5K2 - 6K2 - 8K2		OPEN IMPELLER	50 Hz
				2 POLE

NOTES



A series of horizontal dashed lines for taking notes.

i Changes reserved

02/2020