

# BEST ONE

## SUBMERSIBLE ELECTRIC PUMPS

in AISI 304 stainless steel



BEST ONE



BEST ONE VOX

Submersible electric pumps for clear water with hydraulic equipment in AISI 304 stainless steel.

### APPLICATIONS

- Draining basements, garages, cellars or other flooded enclosed areas
- Supply for garden fountains
- Easy draining of tanks and reservoirs

### TECHNICAL FEATURES

- Mechanical seal as standard supply
- New design and renewed styling
- Technologically and mechanically optimised
- Very versatile and suited to fixed and mobile installations
- Equipped with 5 m power cable, type H05 RN-F (single phase) H07 RN-F (three-phase) for use indoors (10 m for use outdoors), with/without float switch

### TECHNICAL DATA

- Maximum submersion: 5 m
- Maximum fluid temperature: 50°C
- Maximum solid dimensions:
  - 10 mm
  - 20 mm for the VOX version (Vortex)
- 2 pole asynchronous motor
- Insulation class F
- Protection rating IP68
- Single phase voltage 230V ±10% 50Hz, three-phase voltage 400V ±10%, 50Hz
- Delivery connection: G1 1/4

### MATERIALS

- External jacket, impeller, filter, motor cover, seal disk and motor casing in AISI 304 stainless steel
- Shaft made of AISI 303 stainless steel
- Mechanical seal made of Ceramics/Carbon/NBR

### SPECIAL VERSIONS

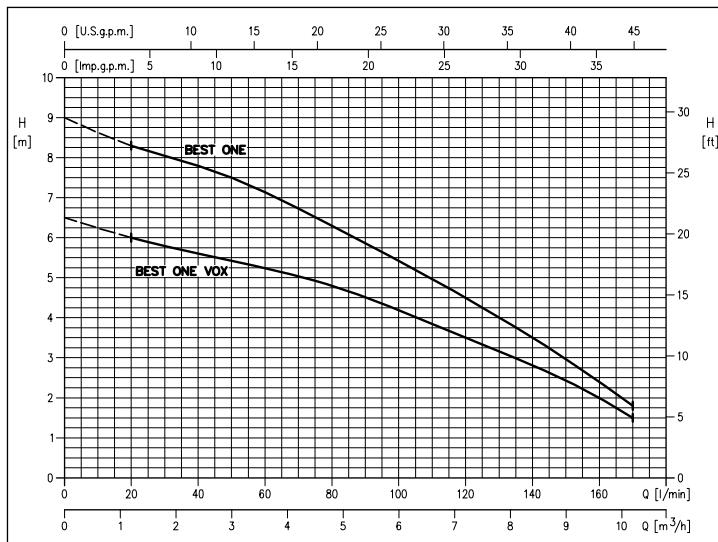
- MS version with magnetic float switch
- MA version with float switch
- VORTEX version (VOX)

### ACCESSORIES (on request)

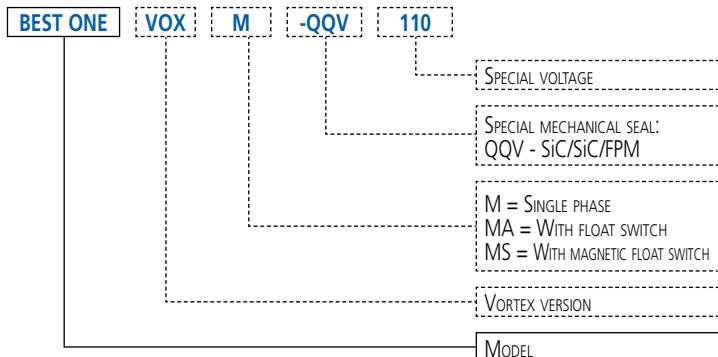
- Hose connection 1 1/4 with hose clamp
- Minimum suction device to 3 mm (BEST ONE M, MA, T only)

For accessories and electrical enclosures, see page 151 onwards

PERFORMANCE CURVES (per ISO 9906 Annex A)



### IDENTIFICATION CODE



# BEST ONE

## SUBMERSIBLE ELECTRIC PUMPS

in AISI 304 stainless steel

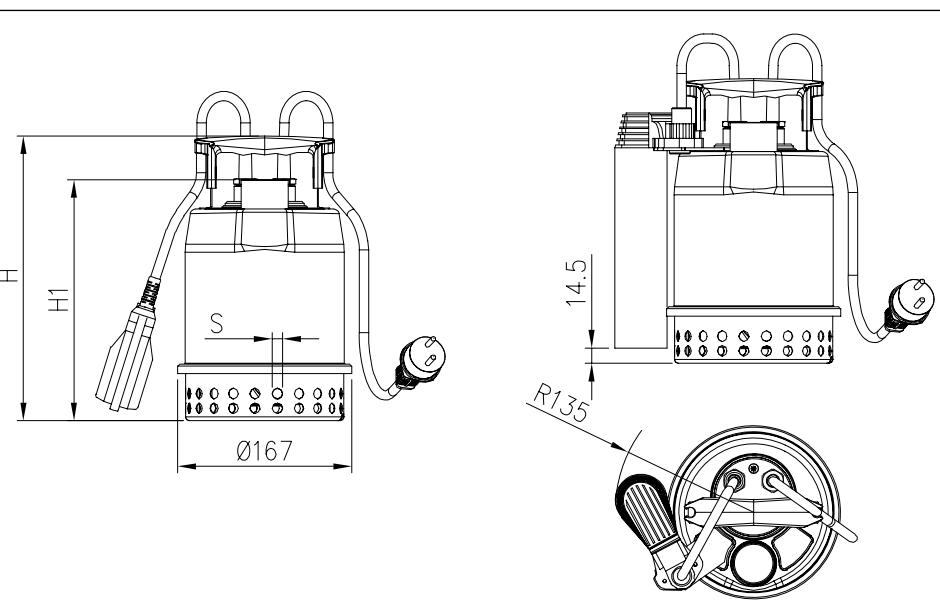
### PERFORMANCE TABLE

Model	P <sub>2</sub>	Capacitor	Abs. Curr. [A]	Q=Flow rate											
				Single phase [HP]	Three phase [kW]	μF	V <sub>c</sub>	Single phase	Three phase	l/min 20	40	80	120	160	170
										m <sup>3</sup> /h 1.2	2.4	4.8	7.2	9.6	10.2
BEST ONE M	BEST ONE	0.33	0.25	8	450	2.3	0.8	8.3	7.8	6.3	4.5	2.4	1.8		
BEST ONE VOX M	BEST ONE VOX	0.33	0.25	8	450	2.2	0.8	6.0	5.6	4.8	3.5	2.0	1.5		

### DIMENSIONS

#### BEST ONE MA / BEST ONE VOX MA

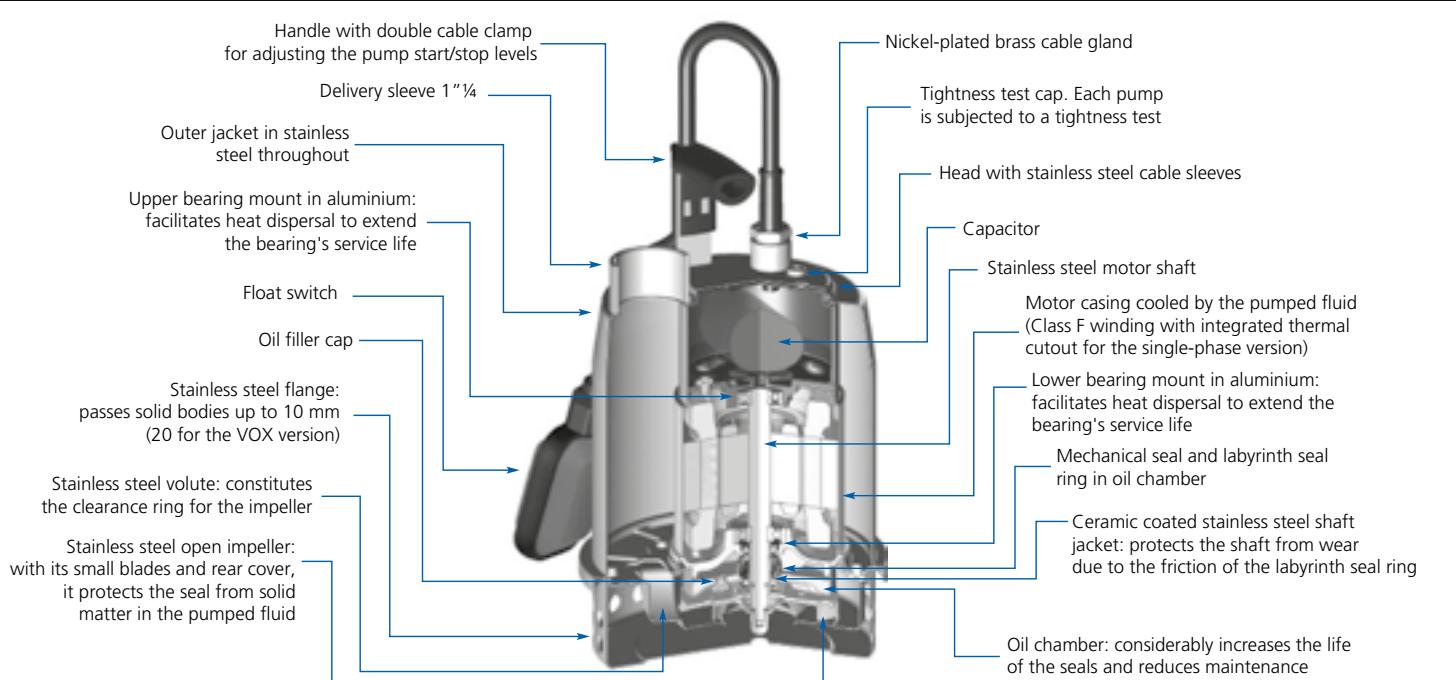
#### BEST ONE MS



### DIMENSIONS CHART

Model	Dimensions [mm]		
	H	H1	S
BEST ONE	273	231	10
BEST ONE M	273	231	10
BEST ONE MA	273	231	10
BEST ONE MS	273	231	10
BEST ONE VOX	304	262	20
BEST ONE VOX M	304	262	20
BEST ONE VOX MA	304	262	20

### SECTIONAL VIEW



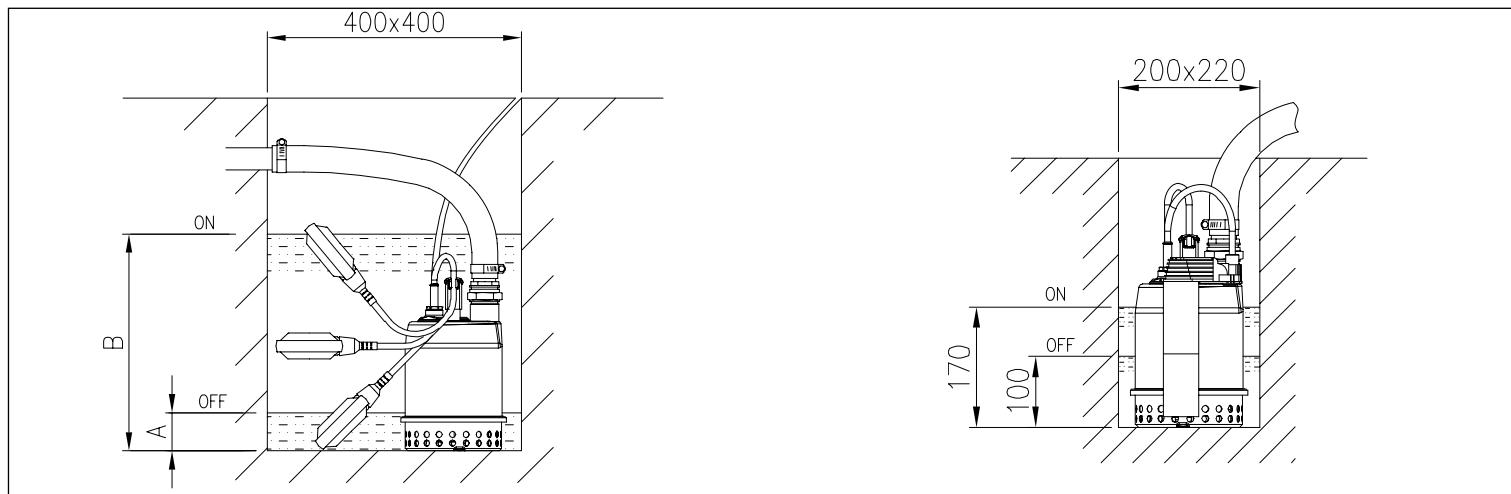
# BEST ONE

## SUBMERSIBLE ELECTRIC PUMPS

in AISI 304 stainless steel

### INSTALLATION

#### BEST ONE MA / BEST ONE VOX MA



#### INSTALLATION TABLE

Model	Dimensions [mm]	
	A	B
BEST ONE MA	110	305
BEST ONE VOX MA		330

### OPTIONAL

#### MINIMUM SUCTION DEVICE



The minimum suction device draws the fluid up by as much as 3 mm from the ground (starting from at least 10 mm).

It pressure mounts to the BEST ONE.

The automatic operation of the pump with float switch prevents it from drawing the fluid up to 3 mm.

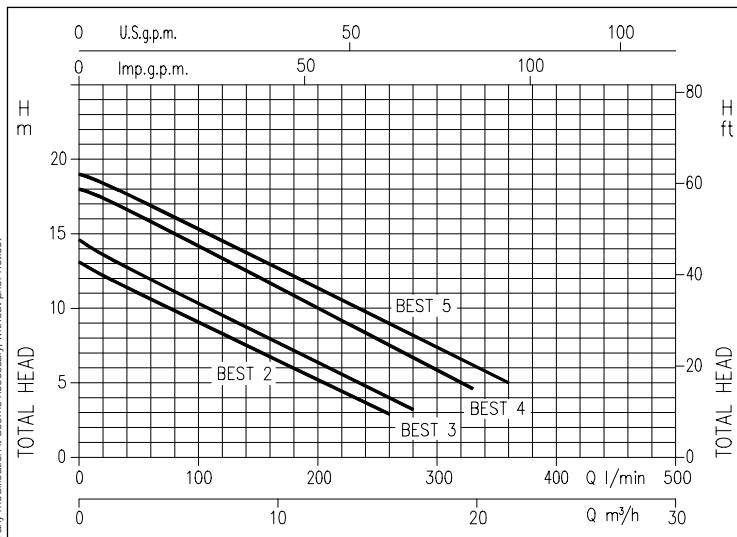
# BEST 2-5

## SUBMERSIBLE ELECTRIC PUMPS

in AISI 304



### PERFORMANCE CURVES (according to ISO 9906 Attachment A)



Submersible electric pumps completely in AISI 304 stainless steel.

### APPLICATIONS

- Moving seepage water
- Draining cellars, garages and basements
- Draining small to medium cellars

### TECHNICAL DETAILS

- Versatile
- They can be used in fixed or mobile installations
- Equipped with 10 m of H07 RN-F power supply cable
- Available with or without float

### TECHNICAL DATA

- Maximum immersion: 10 m
- Maximum temperature of the liquid: 35°C
- Max. solids size for passage: 10 mm
- Self-ventilated 2 pole asynchronous motor
- Class of insulation F
- IP68 Protection rating
- 230V  $\pm 10\%$ , 50Hz single phase voltage, 400  $\pm 10\%$ , 50Hz three phase voltage
- Permanent capacitor inserted and thermo-amperometric protection with automatic rearm incorporated for the single phase motor
- Protection under user's responsibility for the three phase version
- G1½ Discharge connection

### MATERIALS

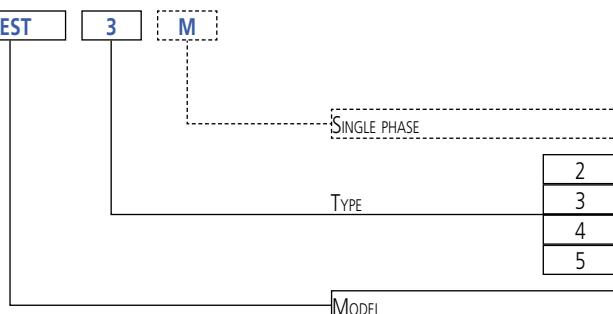
- Pump body, impeller, suction grill, motor cover, seal housing disc and motor case in AISI 304
- Shaft in AISI 303 (part in contact with the liquid)
- Twin mechanical seal with oil chamber:
  - upper in Carbon/Ceramic/NBR (motor side)
  - lower in SiC/SiC/NBR (pump side)

### SPECIAL VERSIONS

- MA version with float

For accessories and control panels see from page 134

### IDENTIFICATION CODE



# BEST 2-5

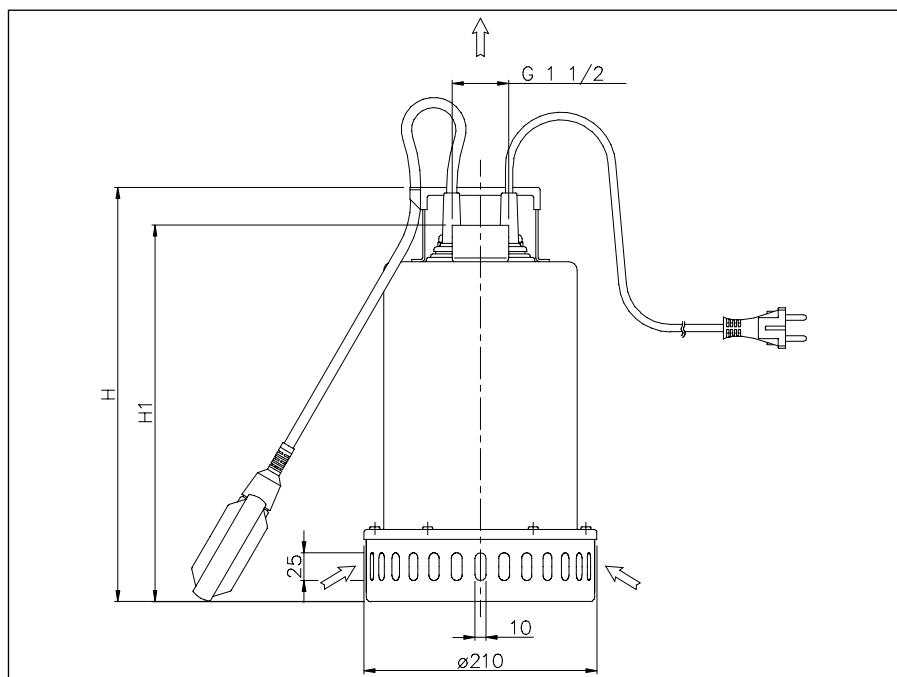
## SUBMERSIBLE ELECTRIC PUMPS

in AISI 304

### PERFORMANCE TABLE

Single phase 230V	Model	P <sub>2</sub> [HP]	P <sub>2</sub> [kW]	Capacitor		Absorbed Curr. [A]	Q=Flow rate													
				μF	V <sub>c</sub>		1~	3~	l/min	20	40	80	120	160	170	200	260	280	300	330
							m <sup>3</sup> /h	1,2	2,4	4,8	7,2	9,6	10,2	12	15,6	16,8	18	19,8	21,6	
BEST 2 M	BEST 2	0,75	0,55	16	450	4,4	2		12,2	11,4	9,8	8,3	6,7	6,3	5,0	2,9	-	-	-	-
BEST 3 M	BEST 3	1	0,75	20	450	5,6	2,4		13,6	12,7	11,1	9,5	7,9	7,6	6,4	4,0	3,2	-	-	-
BEST 4 M	BEST 4	1,5	1,1	30	450	7,3	3		17,4	16,6	15,0	13,4	11,7	11,3	10,0	7,5	6,7	5,9	4,6	-
	BEST 5	2	1,5	-	-	-	3,3		18,4	17,7	16,1	14,5	12,8	12,5	11,4	9,0	8,0	7,4	6,0	5,0

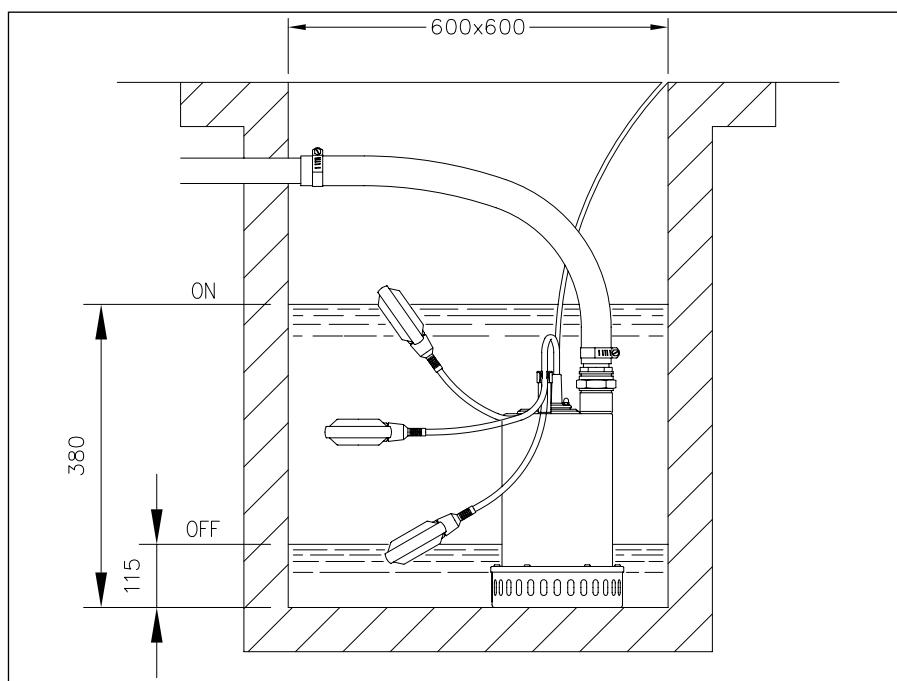
### DIMENSIONS



### DIMENSIONS TABLE

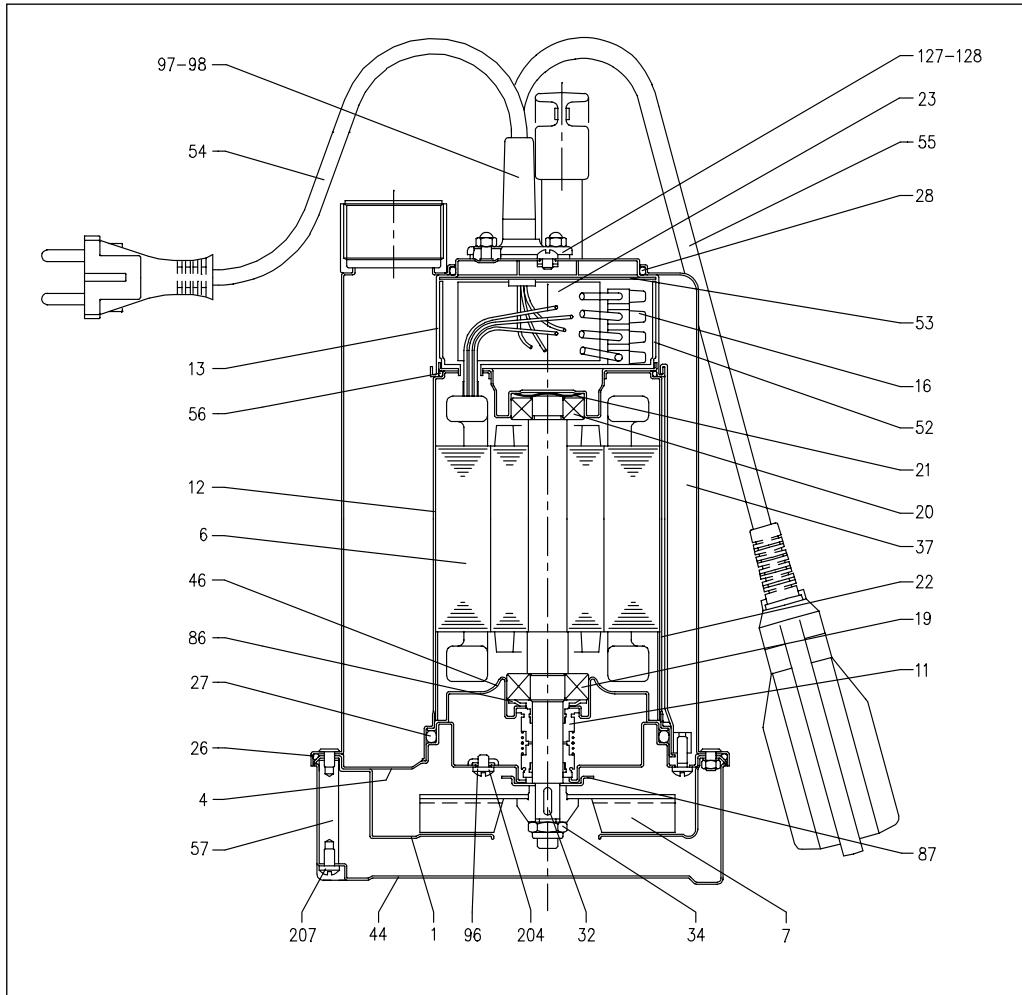
Model	Dimensions [mm]	Weight [kg]
	H	H1
BEST 2	352	315
BEST 3	352	315
BEST 4	377	340
BEST 5	377	340

### INSTALLATION



## **SUBMERSIBLE ELECTRIC PUMPS**

## SECTIONAL VIEW



## MATERIALS TABLE

Ref.	Name	Material	Ref.	Name	Material
1	Volute	AISI 304	37	External pump body	AISI 304
4	Motor support	AISI 304	44	Filter	AISI 304
6	Shaft with rotor	AISI 303	46	Bearing support	AISI 304
7	Impeller	AISI 304	52	P/cap. box	PA66 reinf. with fibreglass
11	Mechanical seal	NBR	53	Box lid	PA66
12	Motor case	-	54	Cable	-
13	Motor cover	AISI 304	55	Float	-
16	Box	-	56	O-Ring	NBR
19	Pump side bearing	-	57	Nut	AISI 303
20	Fan side bearing	-	86	Washer	AISI 304
21	Adjusting ring	STEEL C70	87	Wear ring	AISI 304
22	Tie-rod	AISI 304	96	O-Ring	NBR
23	Capacitor	-	97	Cable gland	NBR
26	O-Ring	NBR	98	Cable gland	NBR
27	O-Ring	NBR	127	Cable gland	AISI 304
28	O-Ring	NBR	128	Cable gland	AISI 304
32	Key	AISI 304	204	Screw	STEEL A2 UNI 7323
34	Impeller nut	AISI 304	207	Screw	STEEL A2 UNI 7323