Technical data

Pump name RIGHT 100

Customer	Date 14-May-2020	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

Requested data

1	Pump type	SUBMERSIBLE SEWAGE PUMPS	Fluid		Water, clean
2	Number of pumps / Reserve	1 / 0	Liquid temperature	K	293
3	Flow l/min	0	Kin. viscosity	mm²/s	1
4	Head m	0	Vapour pressure	kPa	2.2
5	Geodetic head m	0	PH value		7
6	Inlet pressure (pin) kPa	10	Density	kg/m³	1000
7	Available system NPSH	0	Solids	Weight %	0
8	Ambient temperature K	290			

Pump

9	Pump name	RIGHT 100	Frequency		Hz	50
10	Design	SUBMERSIBLE SEWAGE PUMPS	Installation type			STANDARD
11	Manufacturer	EPE	Impeller Diameter	Max.	mm	100
12	Speed 1/min	2875		Designed	mm	100
13	No. of Stage	1		Min.	mm	100
14	Connection Suction side	UNI ISO 228	Flow	Operating	l/min	
15	Connection Discharge side	UNI ISO 228		Max-	l/min	300
16	Max Working Pressure kPa			Min-	l/min	40
17	Shut-off head kPa	102.77	Head	Operating	m	
18	Total weight kg	See the table of "Dimensions".		- (Qmax.)	m	2.0
19	Shaft power kW			- (Qmin.)	m	9.5
20			Max. Shaft Power at max. impeller		kW	
21	Required pump NPSH m		Efficiency		%	

Materials

22	Impeller	AISI 304		
23	Casing	AISI 304		
24	Shaft	AISI 303 (wet extension)		
25				
26				
27				

Motor

28	Manufacturer	EPE Standard	Insulation class		F
29	Type	RIGHT 100_400_Three Phase	Phases		3~
30	Specific design	Submersible dry type / 50 Hz / Pole pairs 1	Frame size		
31	Rated power kW	0.75	Weight	kg	0
32	Number of poles	2	Electric voltage	V	400
33	Speed 1/min	2875	Electric current	A	2.6
34	Degree of protection	IP X8			
35					

Remarks

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Performance curve

Pump name RIGHT 100

Customer	Date 14-May-2020	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

Requested data

1	Flow	l/min	0
2	Head	m	0
3	Geodetic head	m	0

Pump

Operating Flow	l/min		Frequency	Hz	50
Operating Head	m		Number of poles		2
Impeller Diameter	Designed mm	100	Speed	1/min	

Test standard: ISO 9906:2012 - Grade3B

Water, clean [100%] ; 293K; 998.3kg/m³; 1mm²/s

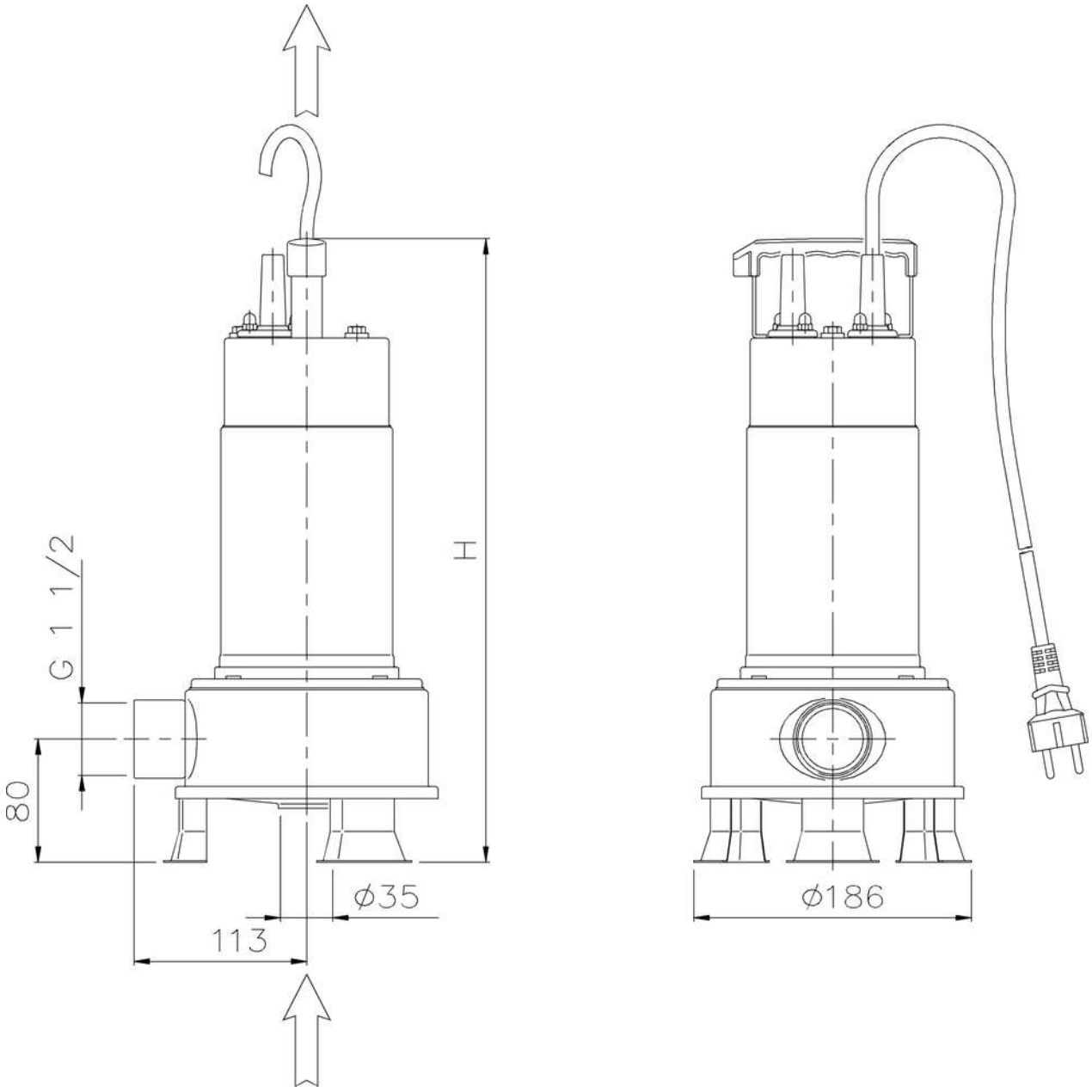


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Dimensions

Pump name RIGHT 100

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Phone	Project	Phone
E-mail	Project ID	E-mail



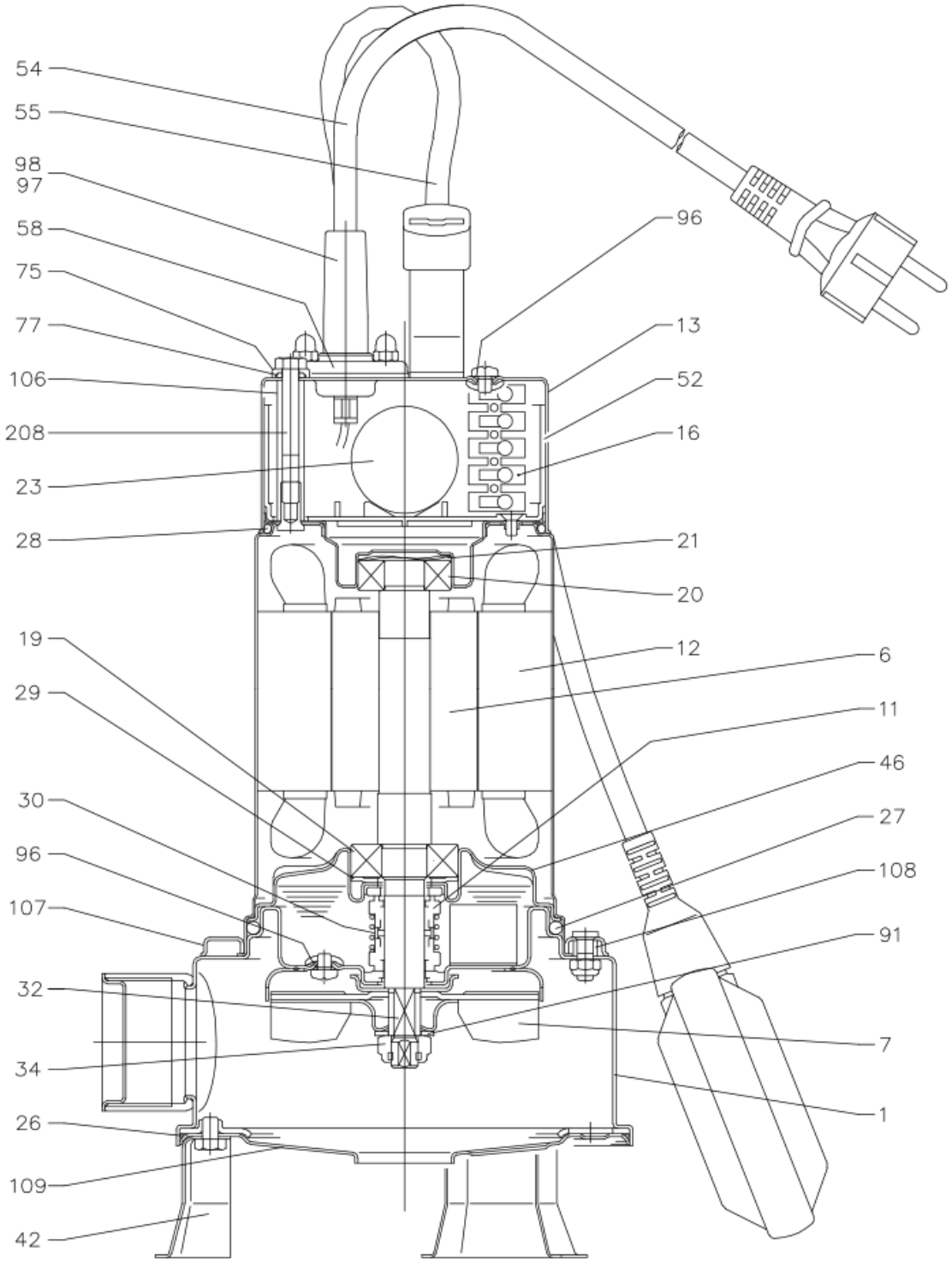
Dimensions in mm								
1	H	430						
2	Weight PUMP	11.5 kg						

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(1/3)
Construction

Pump name RIGHT 100

Customer	Date 14-May-2020	Company
Contact	Item no.	Issued by
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(2/3)
Construction

Pump name RIGHT 100

Customer		Date	14-May-2020	Company	
Contact		Item no.		Issued by	
Phone		Project		Phone	
E-mail		Project ID		E-mail	

N°	PART NAME	MATERIAL	Q.TY
1	Casing	AISI 304	1
6	Shaft with rotor	AISI 303	1
7	Impeller	AISI 304	1
11	Mechanical seal [3]	Ceramic/Carbon/NBR	1
12	Motor frame with stator	-	1
13	Cover	AISI 304	1
16	Terminal	-	4
19	Lower ball bearing	-	1
20	Upper ball bearing	-	1
21	Adjusting washer	AISI 304	1
23	Capacitor [2]	-	1
26	"O" Ring	NBR	1
27	O Ring	NBR	1
28	O Ring	NBR	1
29	Washer	AISI 304	1
30	Mechanical seal spacer	Brass	1
32	Key	AISI 304	1
34	Nut	AISI 303	1
42	Foot	AISI 304	3
46	Lower bearing bracket	AISI 304	1
52	Capacitor box	PA66 glass fibre reinforced class V-0	1
54	Submersible power cable	-	1
55	Float switch [1]	-	1
58	Cable gland	AISI 304	1
75	Washer	AISI 304	3
77	O Ring	NBR	3
91	Washer	AISI 304	1
96	O Ring	NBR	2
97	Cable connector	NBR	1
98	Cable connector [1]	NBR	1
106	Spacer	AISI 304	3
107	Stopper ring	AISI 304	1
108	Gasket	NBR	1
109	Suction cover	AISI 304	1
208	Screw	AISI 304	3

[1] Only for single phase version with float switch

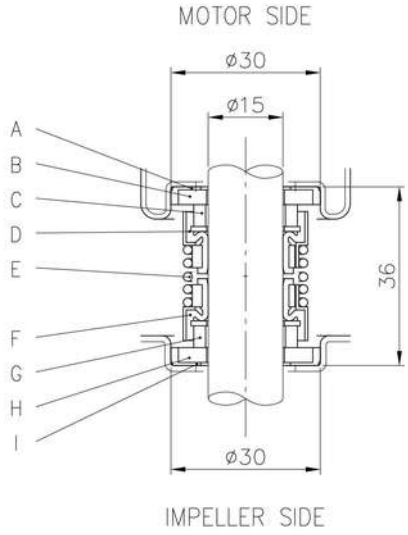
[2] Only for single phase version

[3] See **CONSTRUCTION 3**

(3/3)
Construction

Pump name RIGHT 100

Customer	Date 14-May-2020	Company
Contact	Item no.	Issued by
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E-mail	Project ID	E-mail



REF	PART NAME	MATERIAL
A	Rubber cup	NBR
B	Seat	Ceramic
C	Seal face	Carbon
D	Bellow	NBR
E	Spring	AISI 304
F	Bellow	NBR
G	Seal face	Silicon carbide
H	Seat	Silicon carbide
I	Rubber cup	NBR