



RIGHT

Submersible Stainless Steel Semi-Vortex Pumps



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Submersible pump with semi vortex impeller, handling up to 35 mm solids. All stainless steel construction, with double mechanical seal in oil bath.

Specifications

- Submersible pump with semi vortex impeller
- Maximum solids handling 35 mm
- Maximum liquid temperature: 50°C
- Maximum submergence: 10m

Materials

- Pump casing: 304 Stainless Steel
- Impeller: 304 Stainless Steel
- Suction cover: 304 Stainless Steel
- Shaft : 303 Stainless Steel
- Motor frame: 304 Stainless Steel
- Fasteners: 304 Stainless Steel
- Mechanical seal: Double mechanical seal in oil lubricated chamber, Silicon Carbide lower faces, Carbon/Ceramic upper faces.

Motor Data

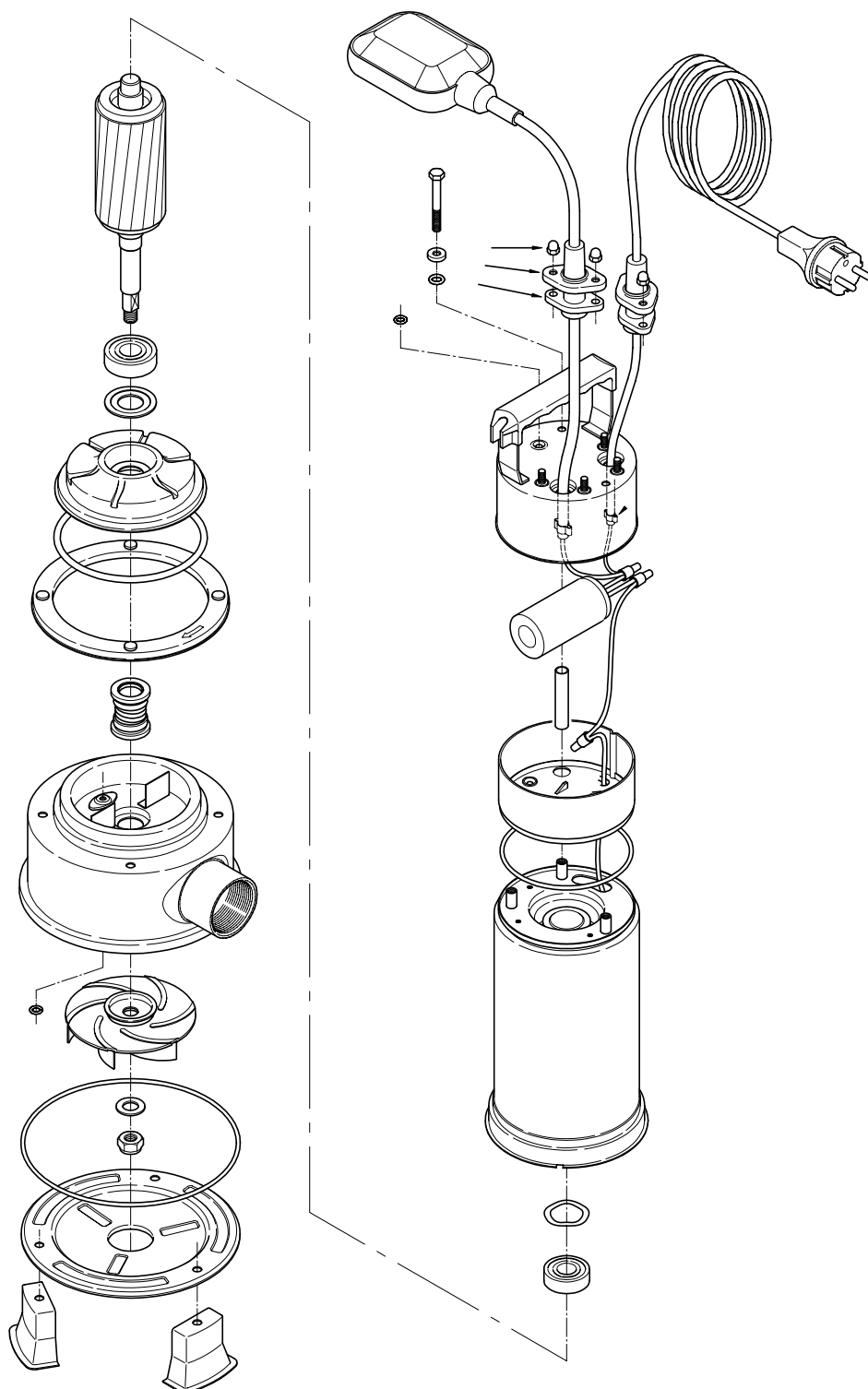
- Air filled, dry submersible, 2 pole motor
- Insulation class F
- IP $\geq$ 8 protection
- 50 Hz, 3 phase - 415 Volt, 1 phase - 240 Volt
- In built overload protection for 1 phase

Cable

- 10 m of cable (without plug)

Range

- 40 mm discharge
- 0.55 & 0.75 kW motors
- Single phase, automatic or manual versions
- Three phase, manual version only



SPECIFICATION

50Hz

V11

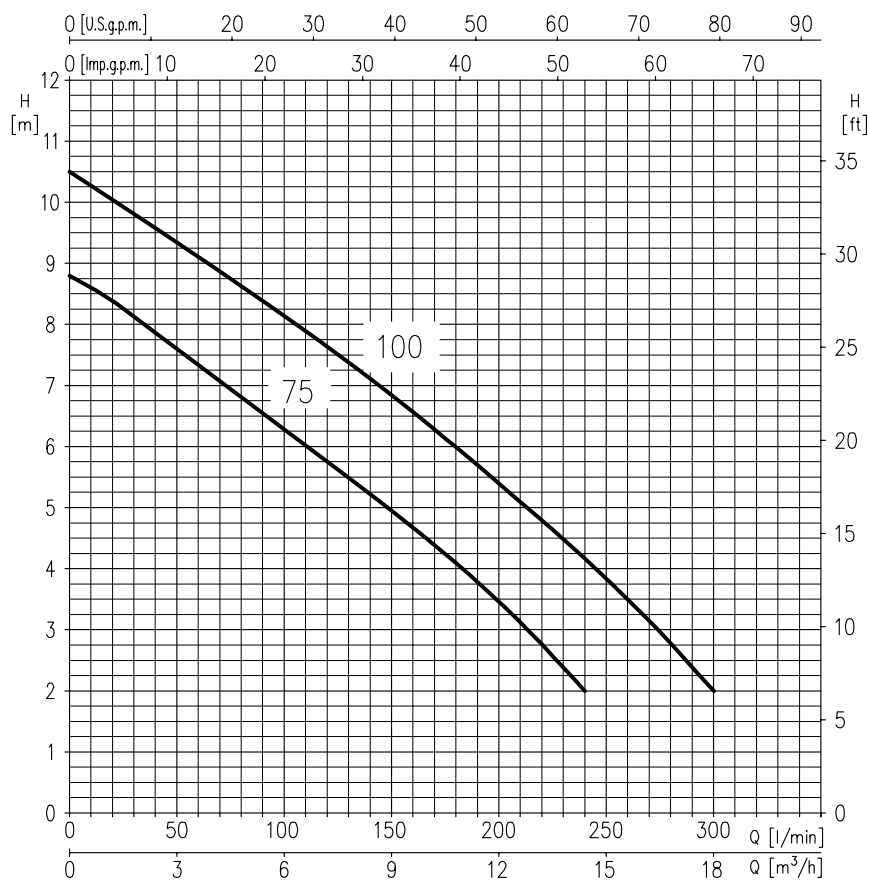
PUMP		
Liquid Handled	Type of liquid	Clean and dirty water
	Max [°C]	50°
	Max solids size [mm]	35 spherical
Maximum immersion [m]		10
Construction	Impeller	Open vortex type
	Shaft seal type	Double mechanical seal
	Bearing	Sealed ball bearing
Pipe Connection	Suction-Flange [mm]	35 open
	Discharge- [inch]	G1½ UNI ISO 228
Material	Casing	AISI 304
	Impeller	AISI 304
	Casing cover	AISI 304
	Shaft seal	Pump side: SiC/SiC/NBR
		Motor side: Carbon/Ceramic/NBR
	Seal cover	AISI 304
	Shaft	AISI 303 (Wet extension)
Lubricating liquid		White mineral oil: Esso Marcol 152 (180 cc)
Applicable standard of test		ISO 9906 Annex A

MOTOR			
Type		Submersible dry type	
		Single Phase	Three Phase
No. of Poles		2	
Rotation speed [min ⁻¹]		2875	
Insulation Class		F	
Protection degree		IP X8	
kW/HP Rating	[kW]	0.55 ÷ 0.75	
	[HP]	0.75 ÷ 1	
Frequency [Hz]		50	
Voltage [V]		230 ± 10%	400 ± 10%
Capacitor		Built in	-
Over load protection		Built in	User to provide
Float Switch		Optional	N/A
Float Switch Cable	Material	H07RN-F	N/A
	Size	3G1	N/A
Power cable	length [m]	10 m	
	material	H07RN-F	H07RN-F
	size	3G1	4G1
Dimensions of cable entry		Cable Gland	

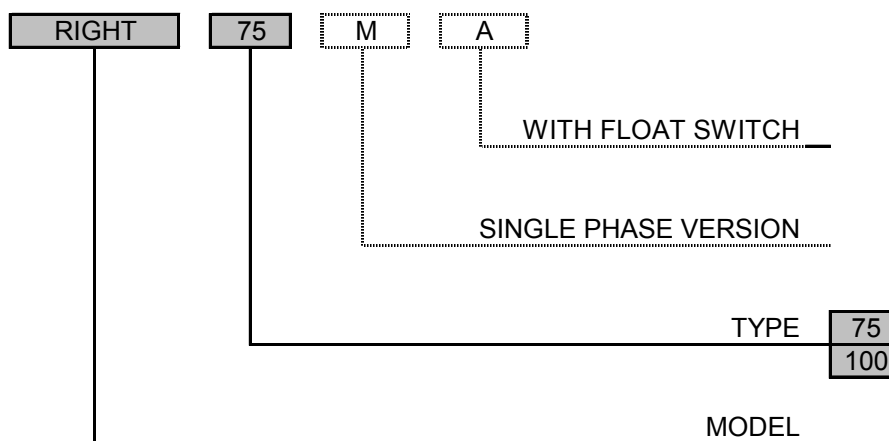
SELECTION CHART

50Hz

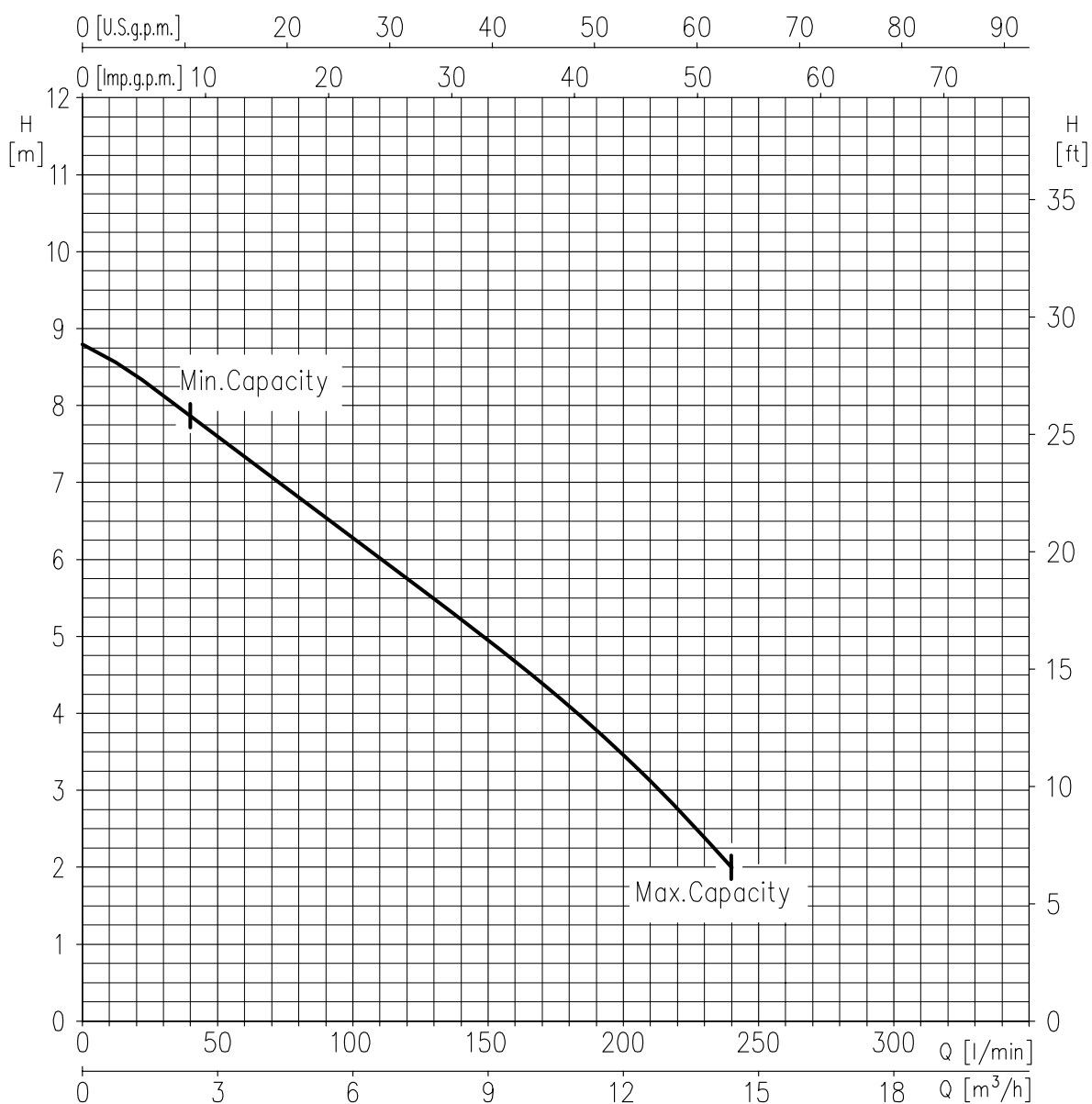
V11



Type pumps		kW	HP	Q=Capacity								
Single Phase	Three Phase			l/min	0	40	80	120	160	200	240	300
230 V	230/400 V			m³/h	0	2.4	4.8	7.2	9.6	12	14.4	18
50 Hz	50 Hz			H=Total manometric head in meters								
RIGHT 75 M	RIGHT 75	0.55	0.75	8.8	7.8	6.8	5.7	4.7	3.4	2	-	
RIGHT 100M	RIGHT 100	0.75	1	10.5	9.5	8.6	7.6	6.6	5.4	4.2	2	

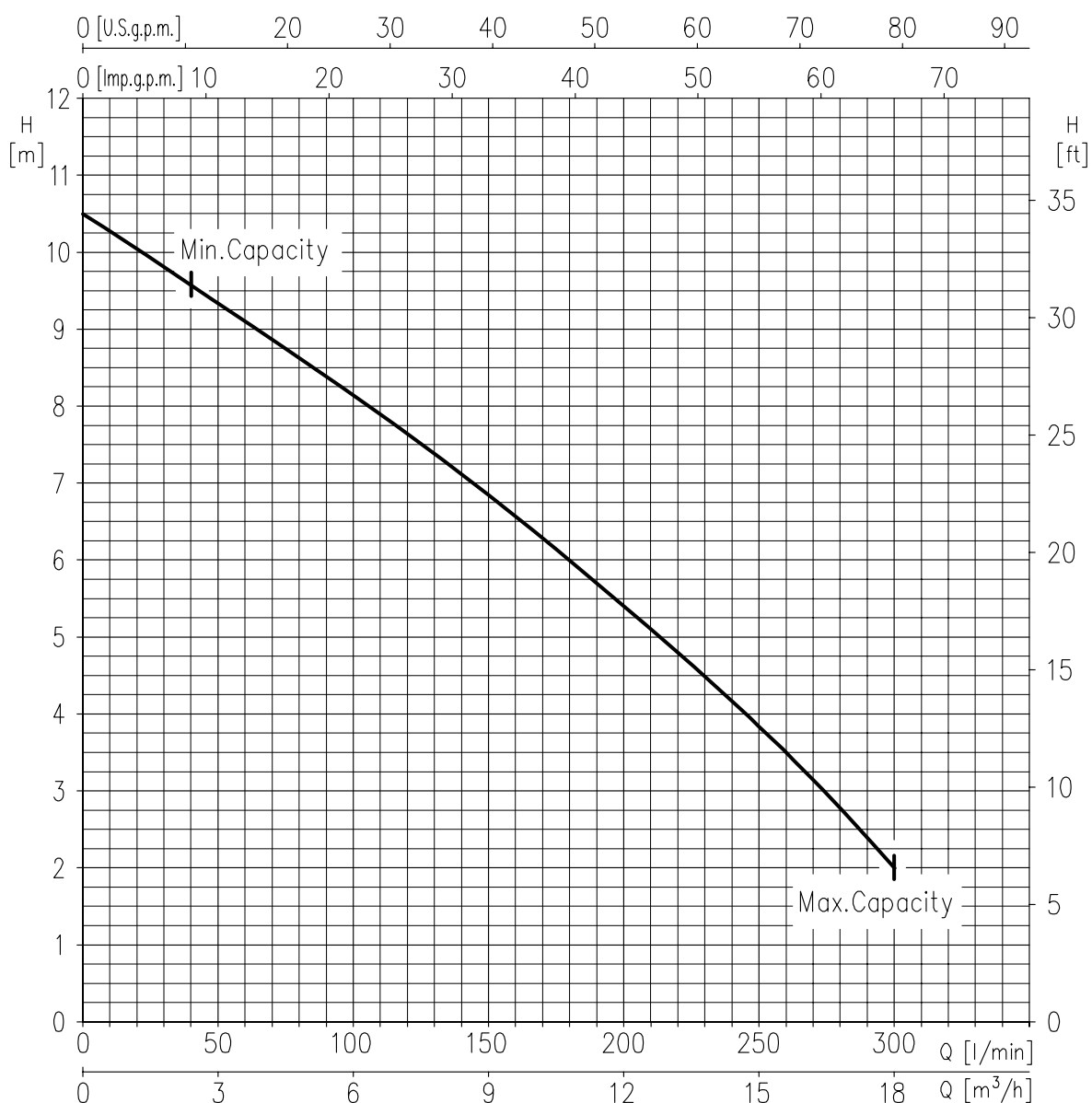


RIGHT 75 (0.55 kW)

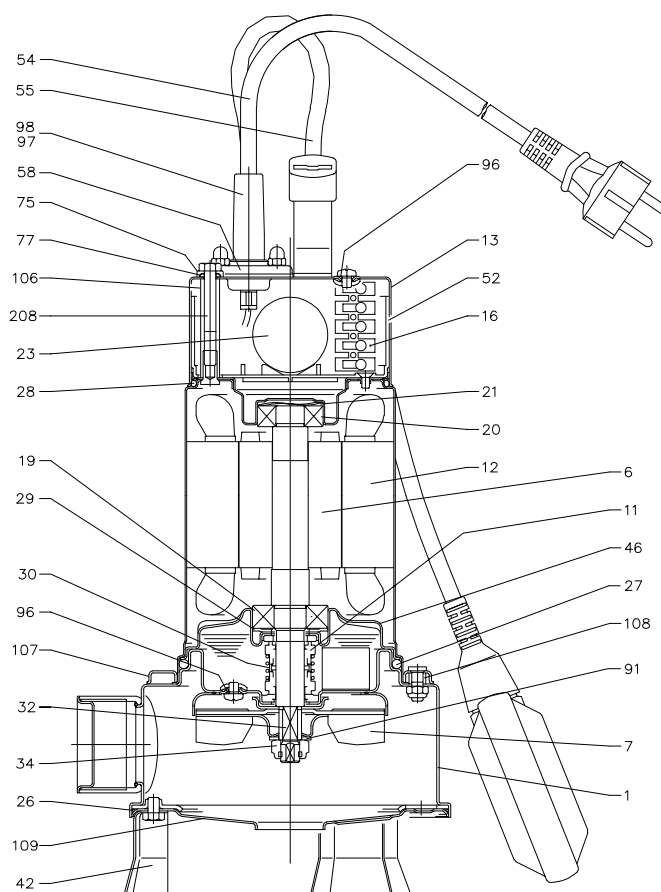


Impeller = Ø100 mm
Test standard: ISO 9906 – Annex A

RIGHT 100 (0.75 kW)



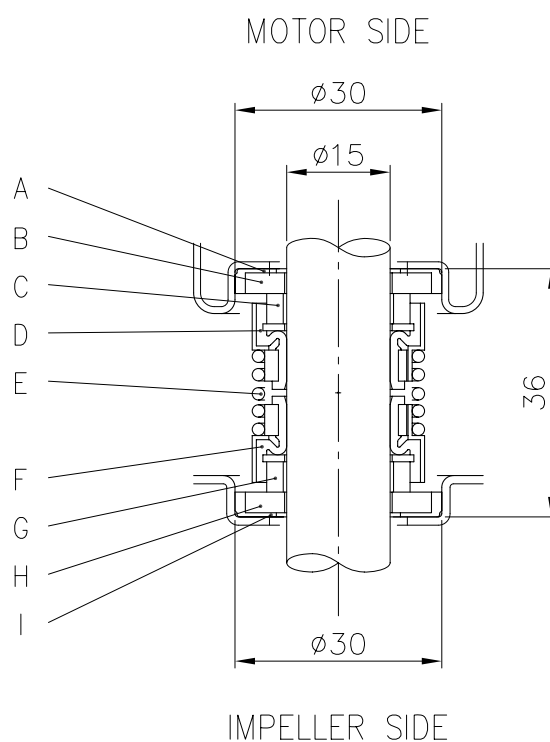
Impeller = Ø100 mm
Test standard: ISO 9906 – Annex A



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

[1] Only for single phase version with float switch

[2] Only for single phase version

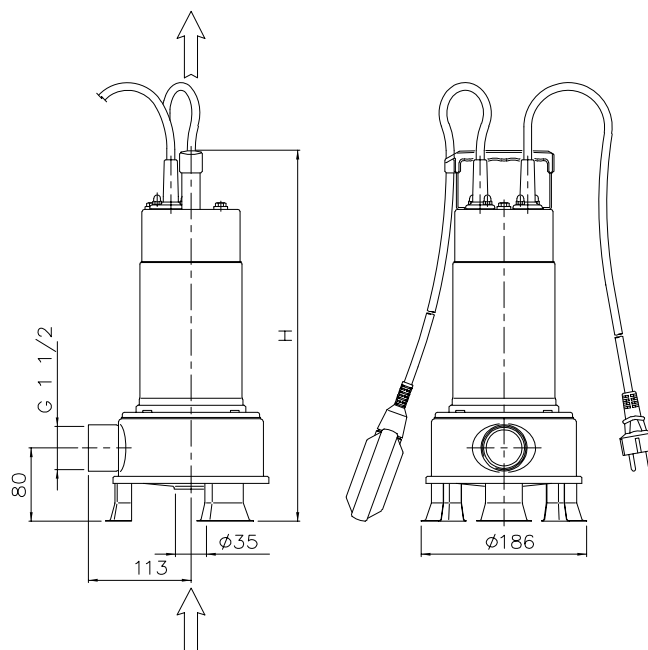


REF	PART NAME	MATERIAL
A	Rubber cup	NBR
B	Seat	Ceramic
C	Seal face	Carbon
D	Bellow	NBR
E	Spring	AISI 304
F	Bellow	NBR
G	Seal face	Silicon carbide
H	Seat	Silicon carbide
I	Rubber cup	NBR

DIMENSIONS - PACKING AND WEIGHT

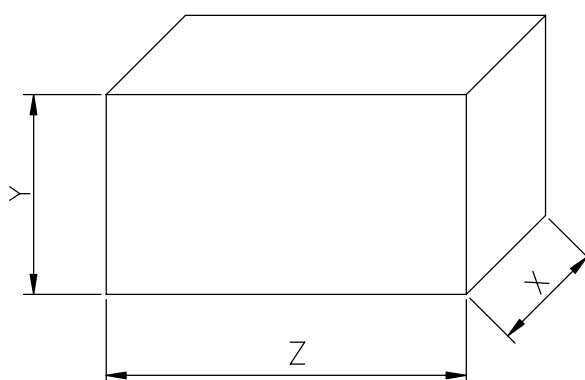
50Hz

V11



Type pumps		Dimension [mm]	Weight [kg]	
Single Phase	Three Phase		Single Phase	Three Phase
RIGHT 75 M	RIGHT 75	H	10	10
RIGHT 100 M	RIGHT 100	H	11.5	11.5

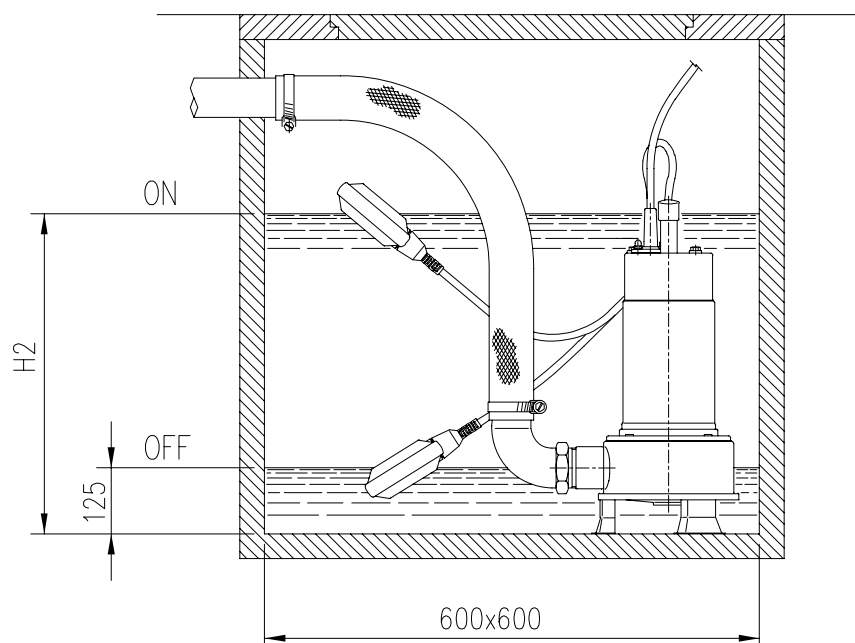
PACKING



Type pumps		PACKING [mm]			Weight [kg]	
Single Phase	Three Phase	Z	X	Y	Single Phase	Three Phase
RIGHT 75 M	RIGHT 75	450	195	245	10.7	10.7
RIGHT 100 M	RIGHT 100	450	195	245	12.2	12.2

Type pumps		kW	HP	Capacitor		Input [kW]		Full load current [A]		Locked rotor current	
Single Phase 230 V 50 Hz	Three Phase 400 V 50 Hz			Single Phase μ F	Vc	Single Phase	Three Phase	Single Phase	Three Phase	Single Phase 230 V 50 Hz	Three Phase 400 V 50 Hz
RIGHT 75 M	RIGHT 75	0.55	0.75	20	450	1.0	0.95	4.8	2.1	19.5	12
RIGHT 100 M	RIGHT 100	0.75	1	31.5	450	1.20	1.2	5.7	2.6	24.5	16

Type pumps		Ball Bearing	
Single Phase	Three Phase	Pump side	Fan side
RIGHT 75 M	RIGHT 75	6203 ZZ	6202 ZZ
RIGHT 100 M	RIGHT 100	6203 ZZ	6202 ZZ



Pump type	Dimensions mm H2
RIGHT 75	410
RIGHT 100	430