



Japanese Technology since 1912

RIGHT

Data Book 50Hz



SPECIFICATION

50Hz

Rev. K

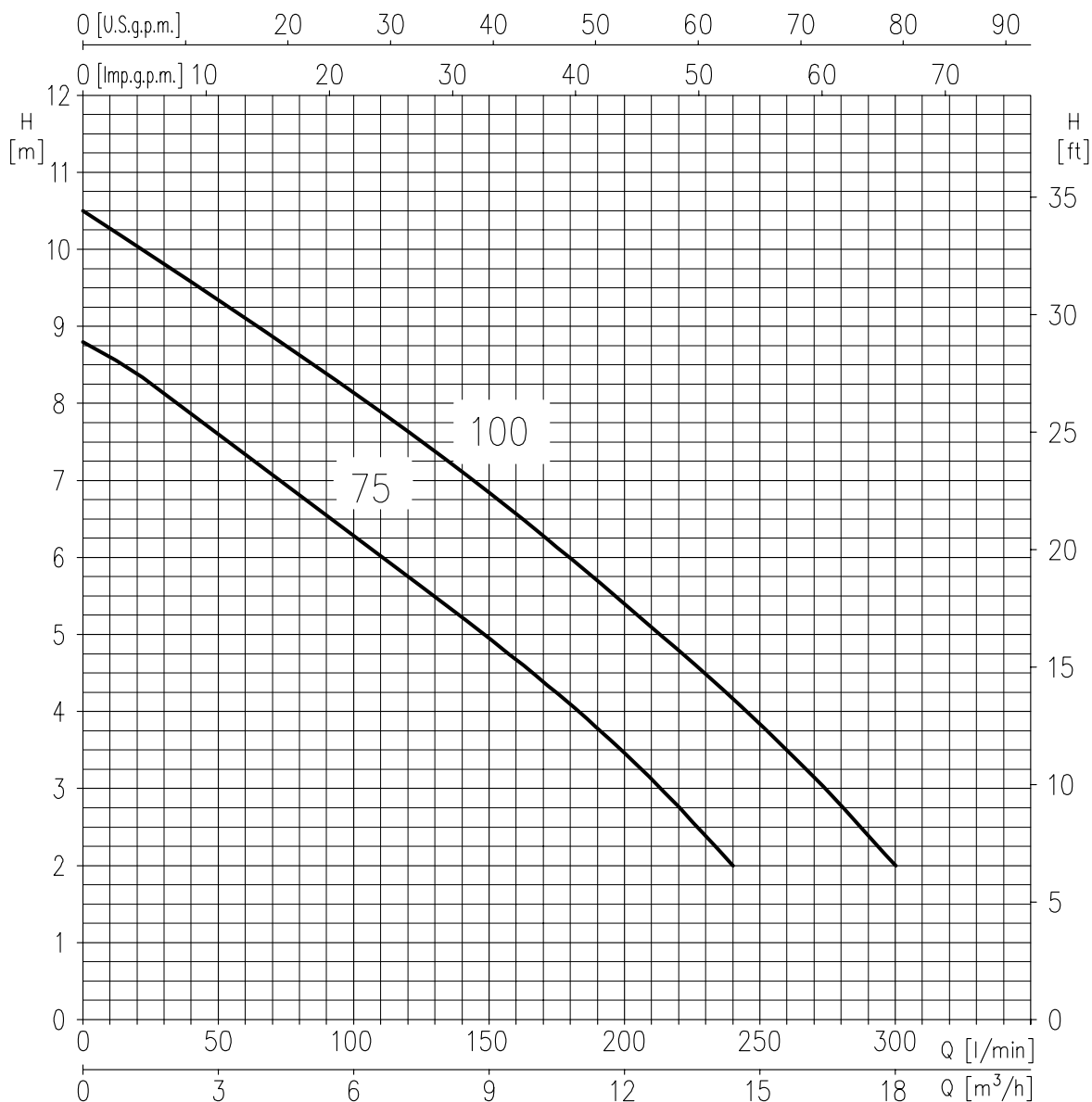
PUMP		
Liquid Handled	Type of liquid	Clean and dirty water
	Max [°C]	50°
	Max solids size [mm]	35 spherical
Maximum immersion [m]		2 (with power cable length 5 m) 7 (with power cable length 10 m)
Construction	Impeller	Open vortex type
	Shaft seal type	Double mechanical seal
	Bearing	Sealed ball bearing
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
	Size	3G1
Power cable	length [m]	5 (only for internal usage); 10
	material	H07RN-F
	size	3G1
Dimensions of cable entry		Cable Gland

SELECTION CHART

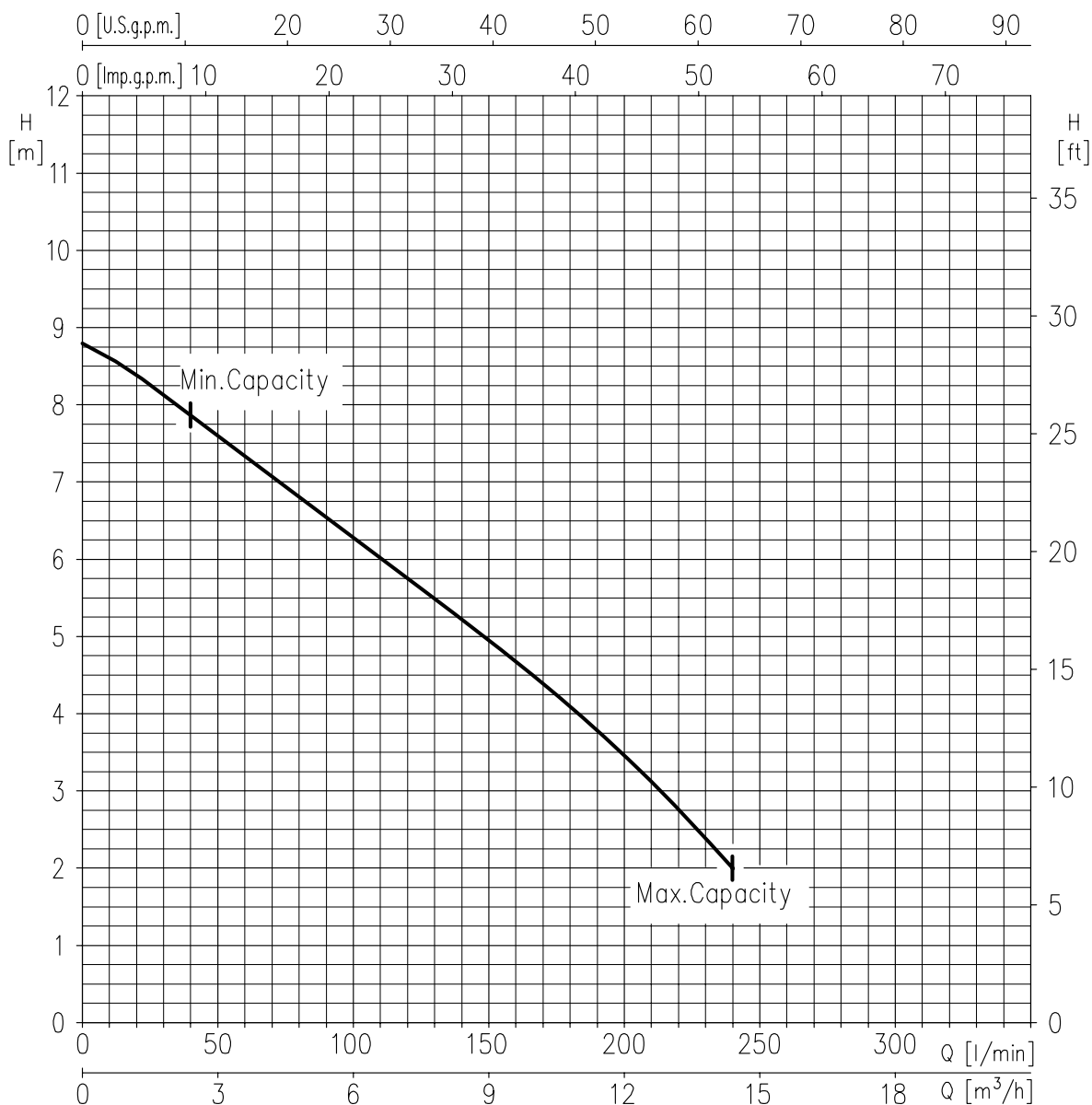
50Hz

Rev. K



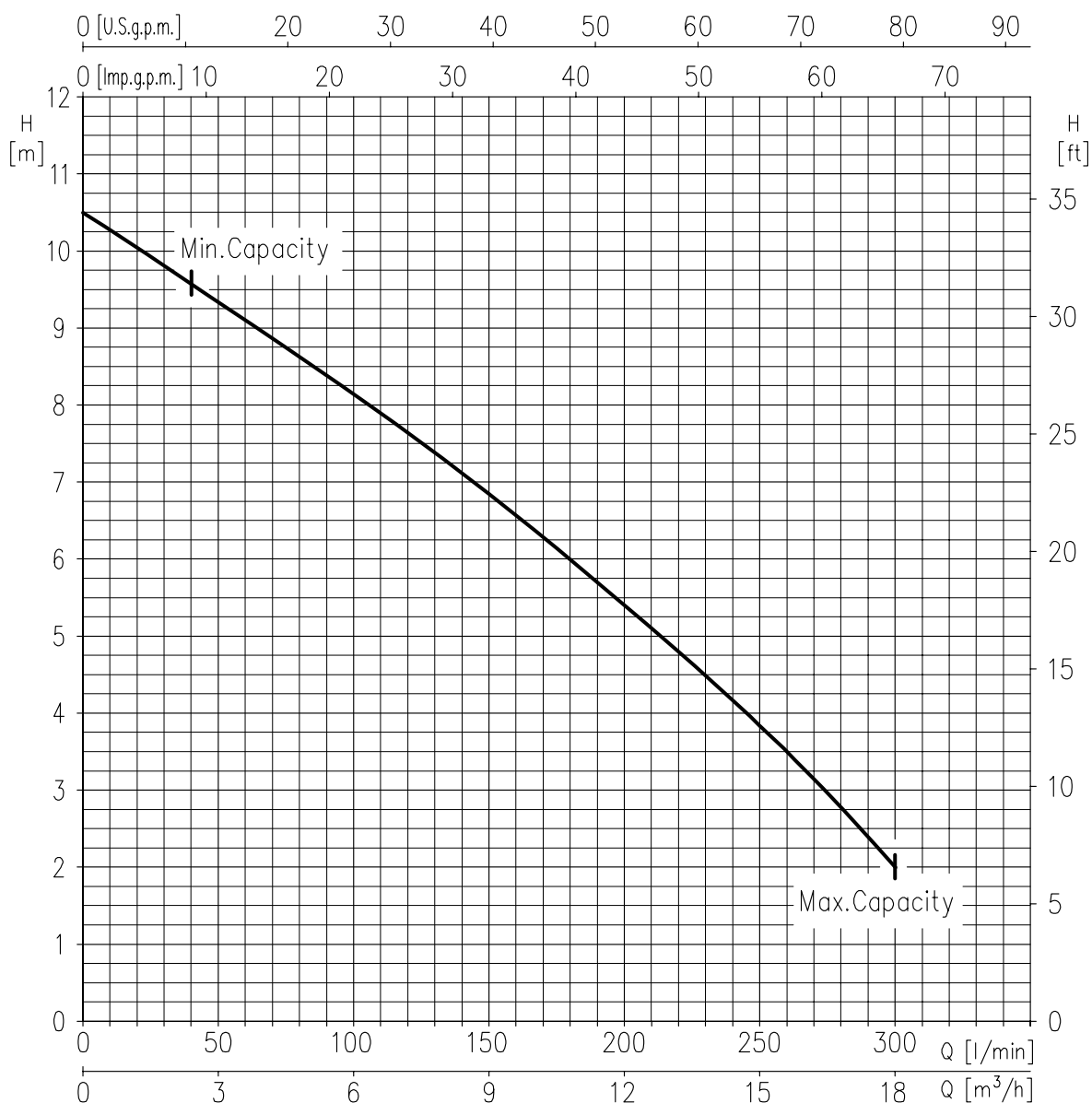
Pump Type		Power		Q=Capacity								
				l/min	0	40	80	120	160	200	240	300
Single Phase	Three Phase	[kW]	[HP]	m³/h	0	2,4	4,8	7,2	9,6	12	14,4	18
				H=Total manometric head in meters								
RIGHT 75 M	RIGHT 75	0,55	0,75		8,8	7,8	6,8	5,7	4,7	3,4	2	-
RIGHT 100M	RIGHT 100	0,75	1		10,5	9,5	8,6	7,6	6,6	5,4	4,2	2

RIGHT 75 (0.55 kW) – impeller diameter = 100 mm



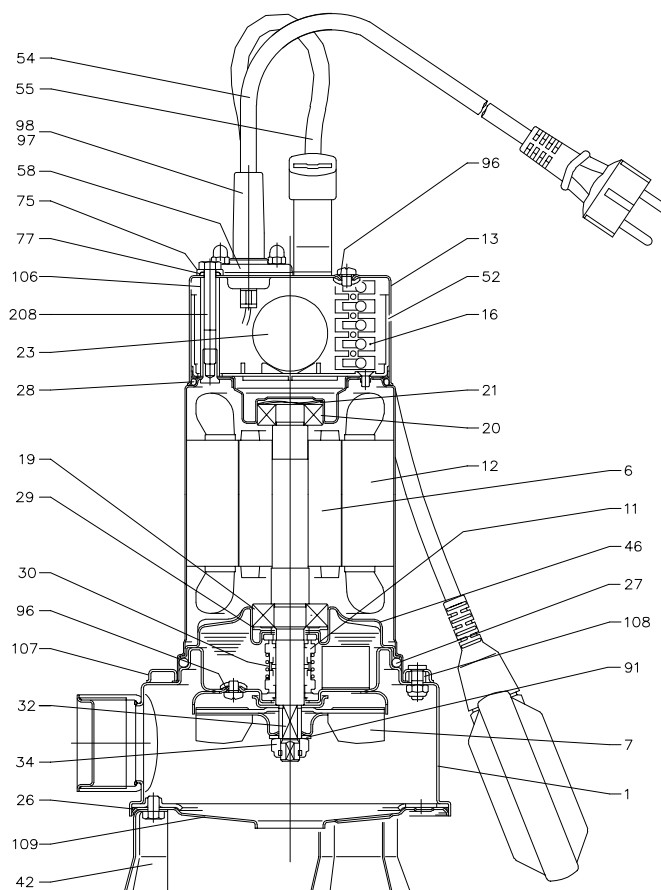
Rotation speed $\approx 2875 \text{ min}^{-1}$
 Test standard: ISO 9906 – Annex A

RIGHT 100 (0.75 kW) – impeller diameter = 100 mm



Rotation speed $\approx 2875 \text{ min}^{-1}$
 Test standard: ISO 9906 – Annex A

SECTIONAL VIEW

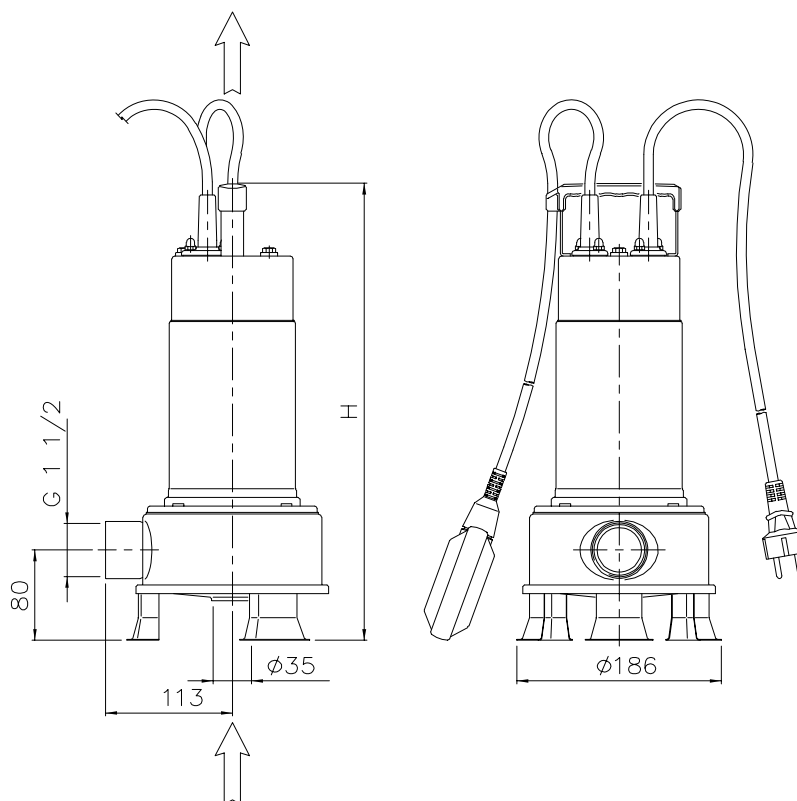


N°	PART NAME	MATERIAL	Q.TY	N°	PART NAME	MATERIAL	Q.TY
1	Casing	AISI 304	1	42	Foot	AISI 304	3
6	Shaft with rotor	AISI 303	1	46	Lower bearing bracket	AISI 304	1
7	Impeller	AISI 304	1	52	Capacitor box	PA66 glass fibre reinforced class V-0	1
11	Mechanical seal	Ceramic/Carbon/NBR	1	54	Submersible power cable	-	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 303	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

PUMP



Type pumps		Dimension H [mm]	Weight [kg]	
Single Phase	Three Phase		Single Phase	Three Phase
RIGHT 75 M	RIGHT 75	405	10	10
RIGHT 100 M	RIGHT 100	430	11,5	11,5