



Stainless Steel Sump Pumps in AISI 304 Type BEST ONE, BEST ONE VOX

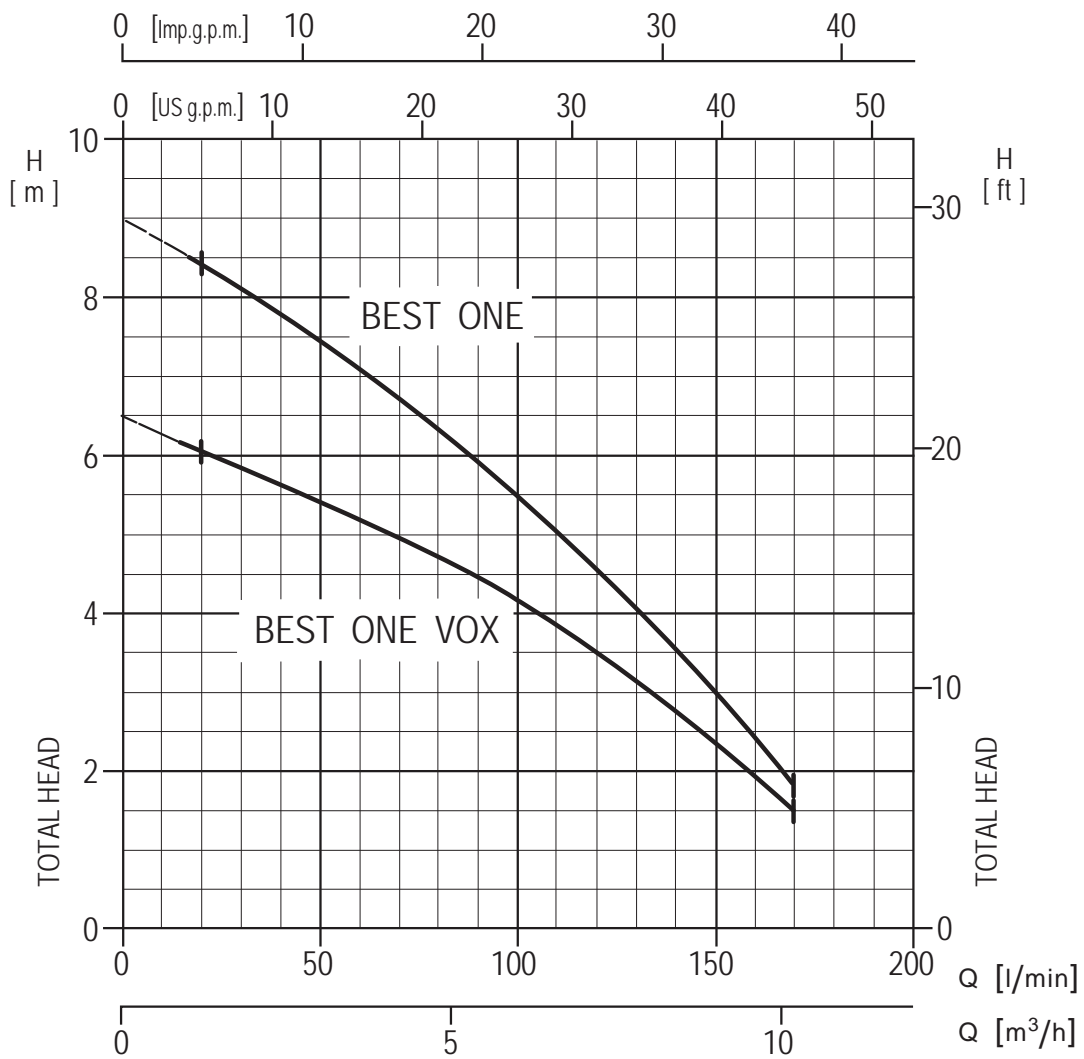
Submersible drainage sump pumps made of stainless steel AISI 304 and shaft sealing with double lip seals that runs on a ceramic-coated shaft. Suitable for draining wells, plant room sumps, lift shafts, and emptying pools, sumps, small-scale irrigations, small water displays and pub cellars. Options include with or without float switch - VOX version and 110 - 230 - 400V versions. (10m cable HO5 RN-F available upon request)

APPLICATIONS

- Dewatering usage
- Draining garages
- Gardens and vegetable garden irrigation
- Emptying of basements
- Easy emptying of tubs, tanks



PERFORMANCE CURVE



Tolerances according to ISO 9906 Annex A

The curves refer to effective speed of asynchronous motors at 50 Hz

Measurements were carried out with clean water at 20°C of temperature and with a kinematics viscosity of $\nu = 1 \text{ mm}^2/\text{s}$ (1 cSt)

In order to avoid the risk of over-heating, the pumps should not be used at flow rate below 10% of best efficiency point.

Symbols explanation: Q = volume flow rate
H = total head

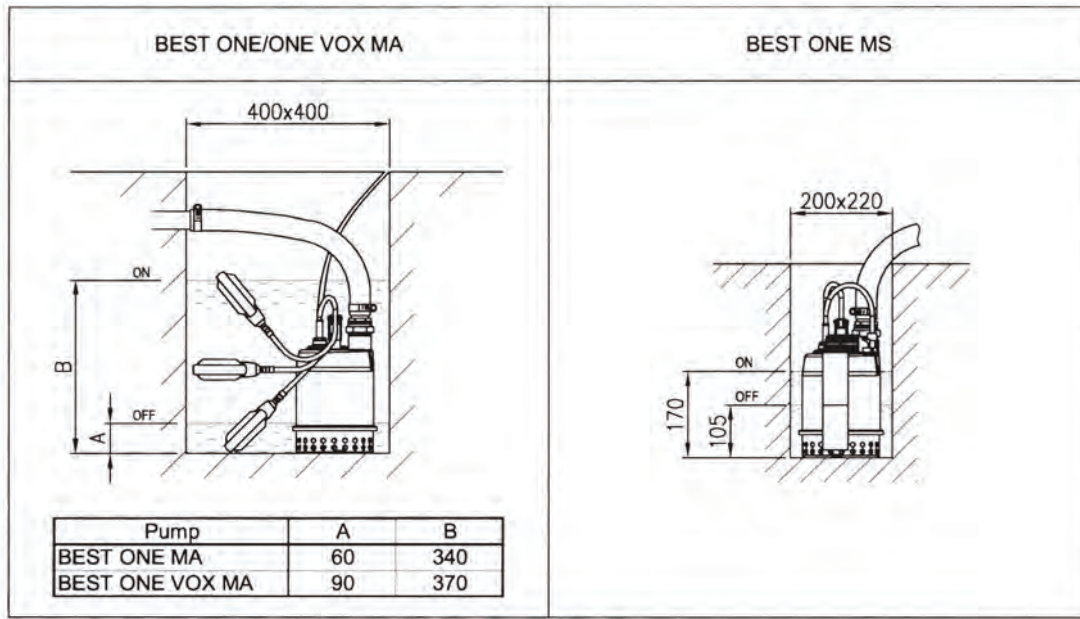
Pumps type		Power		Q=Capacity							
				l/min	0	20	40	80	120	160	170
Single Phase	Three Phase	kW	HP	m³/h	0	1.2	2.4	4.8	7.2	9.6	10.2
				H=Total manometric head in meters							
BEST ONE M	BEST ONE	0.25	0.33	9.0	8.3	7.8	6.3	4.5	2.4	1.8	
BEST ONE VOX M	BEST ONE VOX	0.25	0.33	6.5	6.0	5.6	4.8	3.5	2.0	1.5	

SPECIFICATIONS

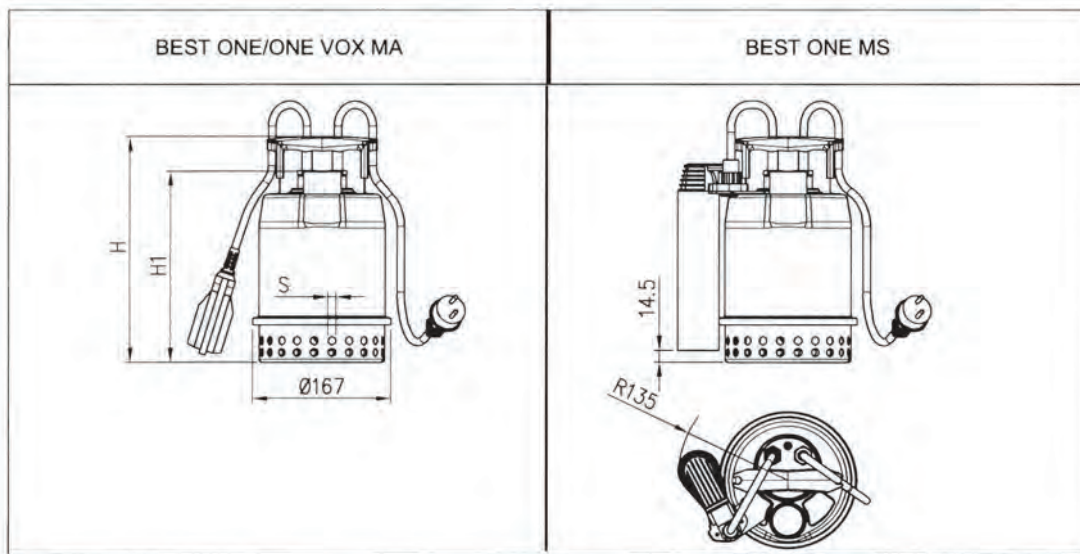
PUMP		
Liquid handled	Type of liquid	Clean water
	Max. temperature [°C]	35 for domestic use 40 for other use
	Max solids size [mm]	10 20 (Vortex version)
Maximum immersion [m]		5
Construction	Impeller	Semi-open centrifugal type (BEST ONE) Vortex type (BEST ONE VOX)
	Shaft seal type	Oil lubricated mechanical seal + lip seal
	Bearing	Sealed ball bearings
Pipe connection	Suction	Strainer
	Discharge nozzle [inch]	G1 ¼", UNI ISO 228
Material	Pump casing	AISI 304
	Impeller	AISI 304
	Shaft seal	Mechanical seal: Ceramic/Carbon/NBR Lip seal NBR
	Casing cover	AISI 304
	Shaft	AISI 303 + AISI 303 ceramic coated shaft sleeve
	Lubricating liquid	White mineral oil: Esso Marcol 172
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]	≈ 2800	
Insulation		Class F	
Protection degree		IP 68	
Power rating	[kW]	0.25	
	[HP]	0.33	
Frequency	[Hz]	50	
Voltage	[V]	230±10%	400±10%
Capacitor		Built-in	-
Over load protection		Built-in	-
Casing material		AISI 304	
Switch	float	Optional	-
	magnetic	Optional	-
Float/magnetic switch	material	H07RN-F	-
Cable	size	3G1	-
Power cable	length [m]	5	
	material	H05RN-F	H07RN-F
	size	3G0.75	4G1
Cable entry		Cable gland	

INSTALLATION



DIMENSION & WEIGHT



Pump type	Dimensions [mm]			Weight [kgf]
	H	H1	S	
BEST ONE	273	231	10	4.3
BEST ONE M				4.4
BEST ONE MA				4.6
BEST ONE MS				4.8
BEST ONE VOX	304	262	20	4.4
BEST ONE VOX M				4.5
BEST ONE VOX MA				4.7

* Dimensional details are provided for reference only.
 * All specifications are subject to change without prior notice.



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