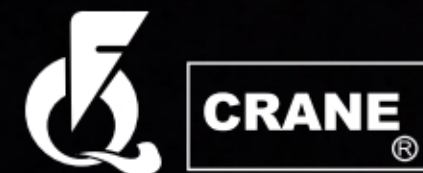




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Use Ingenious Monumental Works
to Serve the Whole World



Sino-US

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Sino-US

Fengqiu Crane (Zhejiang) Pump Co., Ltd.



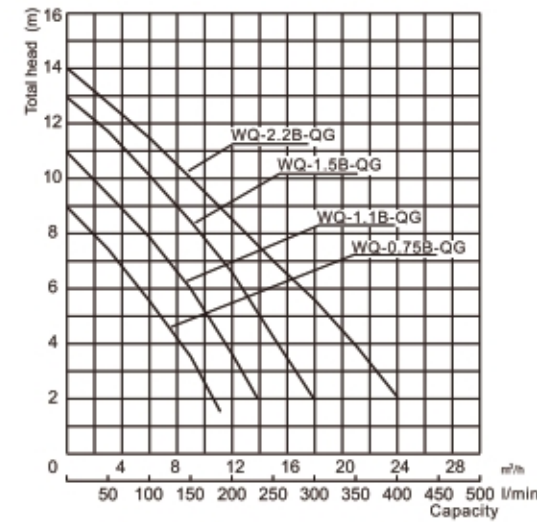
SUBMERSIBLE GRINDER PUMPS



WQ-B-QG A



WQ-B-QG B



Applications

Stainless steel submersible pumps with multi-channel open impeller with grinding device on suction. The grinder system, consisting of a disk bearing concentric holes with a sharp edge and a triangular cutter of high Chrome steel. This series of submersible pumps, particularly suitable to liquids containing long fibres or filaments or solid destroyable bodied even of big sizes, is mostly used for the treatment of biological liquids and waters of civil origin.

Part Specifications

1. O-ring: Buna-N
2. Motor Housing: AISI 304
3. Shaft: AISI 304 welding shaft
4. Double-sided Mechanical Seal: Buna-N elastomers
Motor side: Carbon VS Silicon Carbide
Pump side: Silicon Carbide VS Silicon Carbide
5. Impeller: AISI 304 welding
6. Pump Casing: AISI 304
7. Shredding ring: AISI 440
8. Grinding ring: AISI 440

Specifications

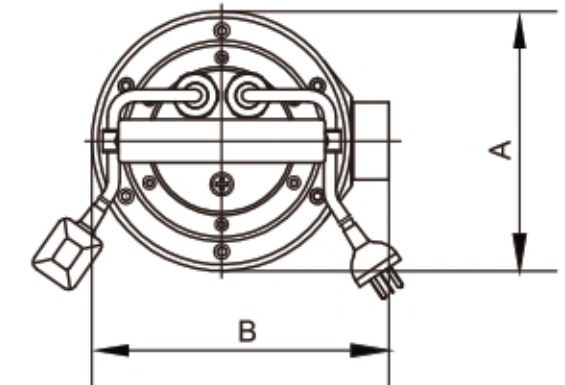
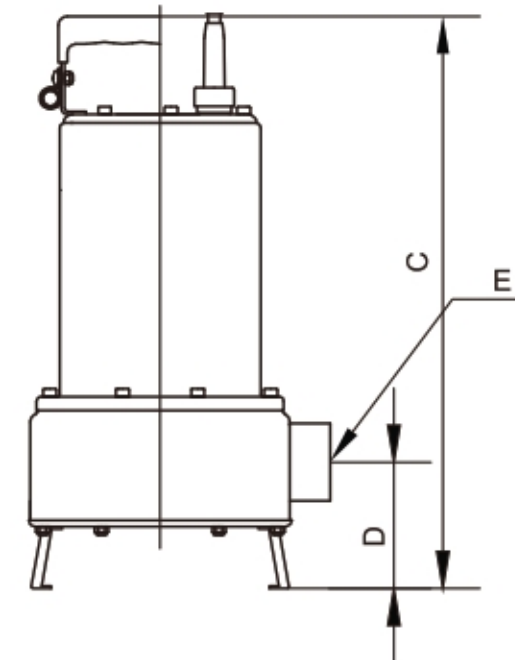
1. Power Cable: Standard cord is 10m
2. Liquid Temperature: 104°F(40°C) continuous
3. Motor: B insulation class, IP68 protection
4. Single Phase: Built in thermal protector
5. Accessories: Float switch is available



Specifications

Model	Voltage, Frequency	Output Power	Capacitor	l/min	0	50	100	150	200	250	300
					m³/h	3	6	9	12	15	18
WQ-0.75B-QG	220V, 50Hz	0.75kW	25 μf	H (m)	9	7.5	5.5	3.5			
WQ-1.1B-QG	220V, 50Hz	1.1kW	30 μf		11	9.5	7.5	5.5	2.5		
WQ-1.5B-QG	220V, 50Hz	1.5kW	30 μf		13	11	9.5	7.5	5	2	
WQ-2.2B-QG	380V, 50Hz	2.2kW	/		14	12.5	11.5	10	8	6	2.5

* Other voltage and frequency are available if required.



Dimensions

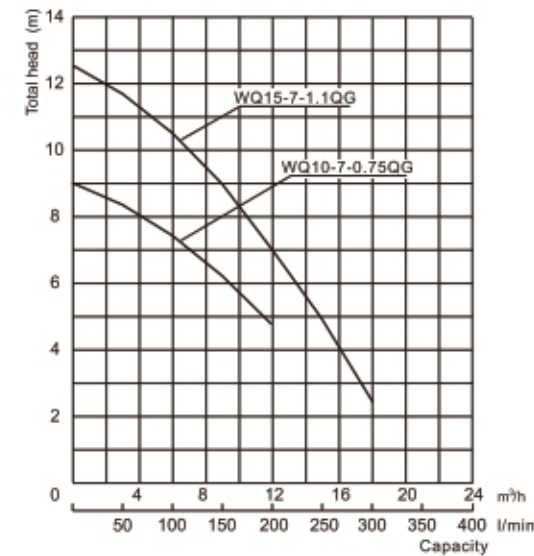
Model	A mm	B mm	C mm	D mm	E Discharge	Packing Size (mm)	N.W.
WQ-0.75B-QG	170	195	395	76	G 1.5" F	180 × 250 × 430	16kg
WQ-1.1B-QG	170	195	395	76	G 1.5" F	180 × 250 × 430	17kg
WQ-1.5B-QG	190	201	465	100	G 2" F	210 × 250 × 500	20kg
WQ-2.2B-QG	190	225	470	110	G 3" F	210 × 250 × 500	23kg

SUBMERSIBLE GRINDER PUMPS



WQ10-7-0.75QG WQ15-7-1.1QG

WQ-QG



Applications

Submersible grinder pump, cast iron casing, open impeller, equipped with cutting system for radial cutting, which can grind solid materials into small particles for discharge, suitable for pumping wastewater, rainwater, and sewage containing solid particles and fibrous substances. Applicable in hospitals, residential communities, municipal engineering, industrial wastewater discharge, small-scale wastewater treatment, and similar scenarios.

Specifications

1. Power Cable: Standard cord is 10m
2. Liquid Temperature: 104°F(40°C) continuous
3. Motor: B insulation class, IP68 protection
4. Single Phase: Built in thermal protector
5. Accessories: Float switch is available

Part Specifications

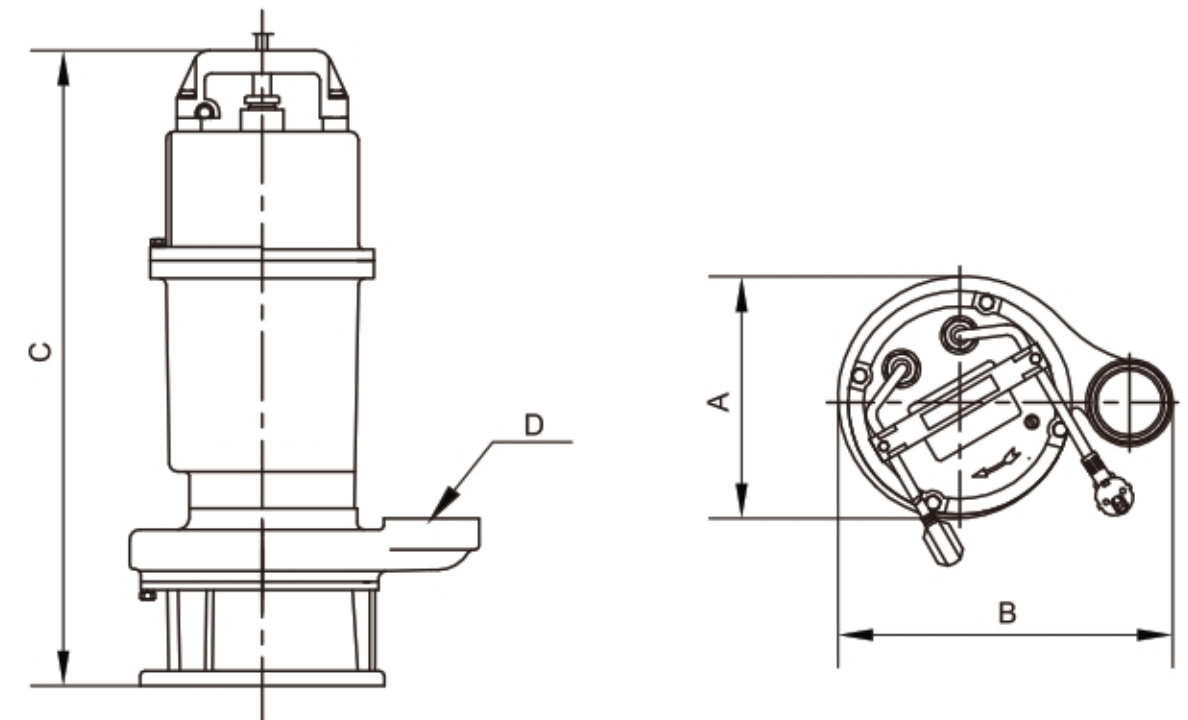
1. O-ring: Buna-N
2. Motor Housing: GG20
3. Shaft: AISI 420
4. Double-sided Mechanical Seal: Buna-N elastomers
Motor side: Carbon VS Silicon Carbide
Pump side: Silicon Carbide VS Silicon Carbide
5. Impeller: ZG35
6. Pump Casing: GG20
7. Shredding ring: AISI 440
8. Grinding ring: AISI 440



Specifications

Model	Voltage, Frequency	Output Power	Capacitor	l/min m³/h	0	50	100	150	200	250	300
					0	3	6	9	12	15	18
WQ10-7-0.75QG	220V, 50Hz	0.75kW	25 μf	H (m)	9	8.5	7.5	6	4.8		
WQ15-7-1.1QG	220V, 50Hz	1.1kW	30 μf		12.5	11.8	10.5	9	7	5	2.5

* Other voltage and frequency are available if required.



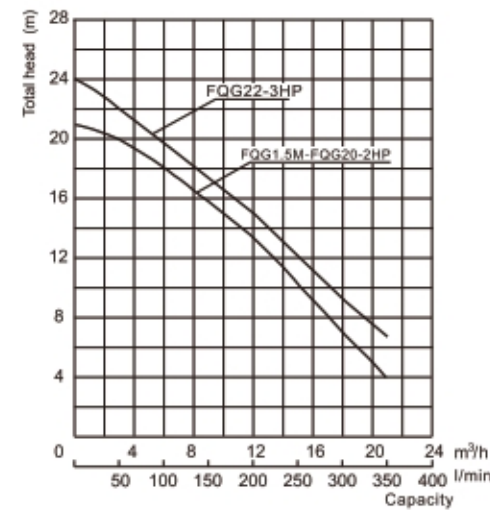
Dimensions

Model	A mm	B mm	C mm	D Discharge	Packing Size (mm)	N.W.
WQ10-7-0.75QG	230	270	450	G 2" F	250 × 290 × 470	26kg
WQ15-7-1.1QG	190	255	470	G 2" F	230 × 300 × 500	27kg

SUBMERSIBLE GRINDER PUMPS



FQG



Applications

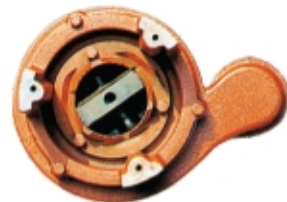
Cast iron casing submersible pumps with impeller provided with grinding device. Designed for waste water with solid organic materials. The particular hydraulic shape, allowing the grinding of destroyable solid corps into very small parts, enables to pump waste waters even in those places where a sewer system is not available. suitable to lift dirty water and empty cesspits.

Specifications

1. Power Cable: Standard cord is 10m
2. Liquid Temperature: 104°F(40°C) continuous
3. Motor: B insulation class, IP68 protection
4. Single Phase: Built in thermal protector
5. Accessories: Float switch is available

Part Specifications

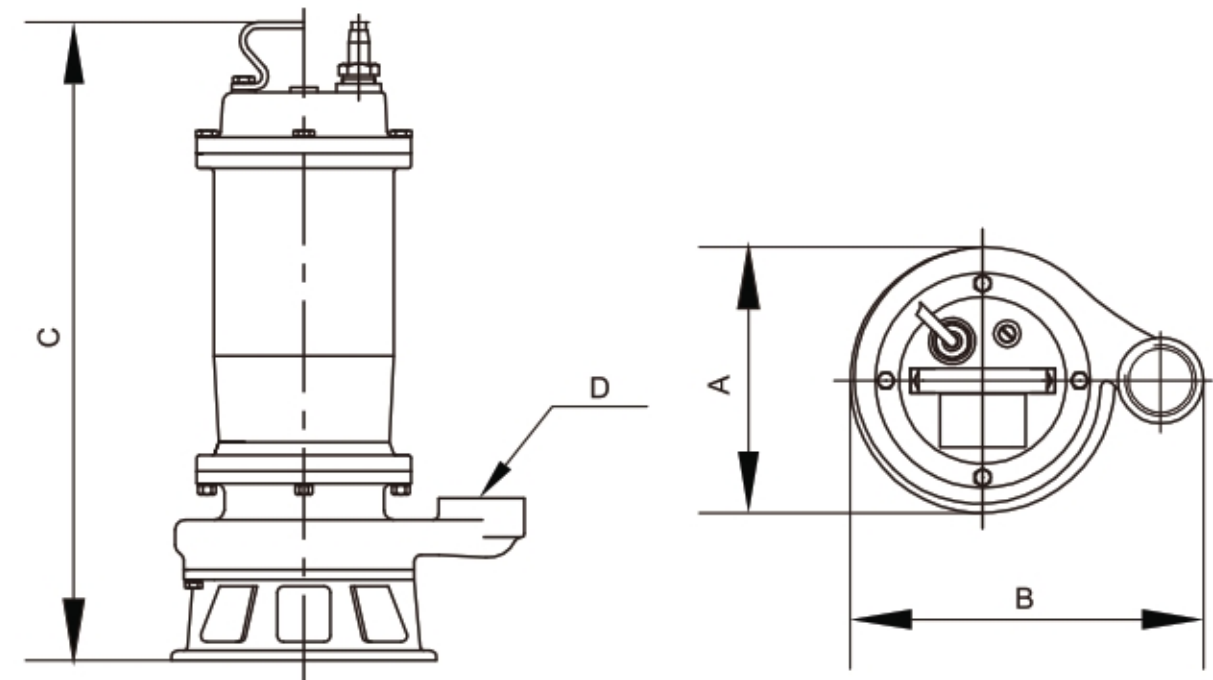
1. O-ring: Buna-N
2. Motor Housing: GG20
3. Shaft: AISI 420
4. Double-sided Mechanical Seal: Buna-N elastomers
Motor side: Carbon VS Silicon Carbide
Pump side: Silicon Carbide VS Silicon Carbide
5. Impeller: ZG35
6. Pump Casing: GG20
7. Shredding ring: ZG35
8. Grinding ring: ZG35



Specifications

Model	Voltage, Frequency	Output Power	Capacitor	l/min m³/h	0	50	100	150	200	250	300	350
					0	3	6	9	12	15	18	21
FQG1.5M	220V, 50Hz	1.5kW	35 μ f	H (m)	21	20	17.5	15.5	14	10	7	4
FQG20-2HP	380V, 50Hz	1.5kW	/		21	20	17.5	15.5	14	10	7	4
FQG22-3HP	380V, 50Hz	2.2kW	/		24	22	19	17	15	12	9	6.5

* Other voltage and frequency are available if required.



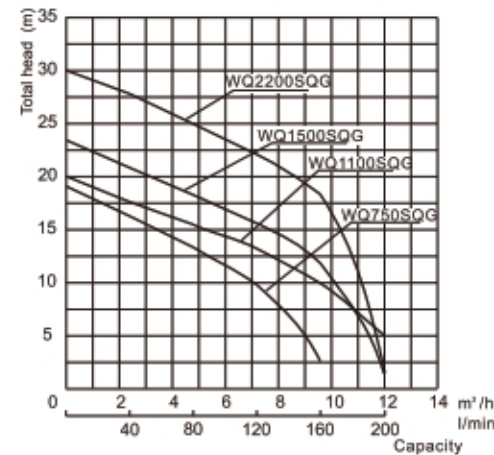
Dimensions

Model	A mm	B mm	C mm	D Discharge	Packing Size (mm)	N.W.
FQG1.5M	220	290	540	G 2" F	580 × 270 × 250	34kg
FQG20-2HP	220	290	520	G 2" F	580 × 270 × 250	34kg
FQG22-3HP	220	290	520	G 2" F	580 × 270 × 250	35kg

SUBMERSIBLE GRINDER PUMPS



WQ-SQG



Applications

Cast iron submersible pumps with multi-channel open impeller with grinding device on suction. The grinder system, consisting of a disk bearing concentric holes with a sharp edge and a triangular cutter of high chrome steel. This series of submersible pumps, particularly suitable to liquids containing long fibres or filaments or solid destroyable bodied even of big sizes, is mostly used for the treatment of biological liquids and waters of civil origin.

Specifications

1. Power Cable: Standard cord is 10m
2. Liquid Temperature: 104°F(40°C) continuous
3. Motor: B insulation class, IP68 protection
4. Single Phase: Built in thermal protector
5. Accessories: Float switch is available

Part Specifications

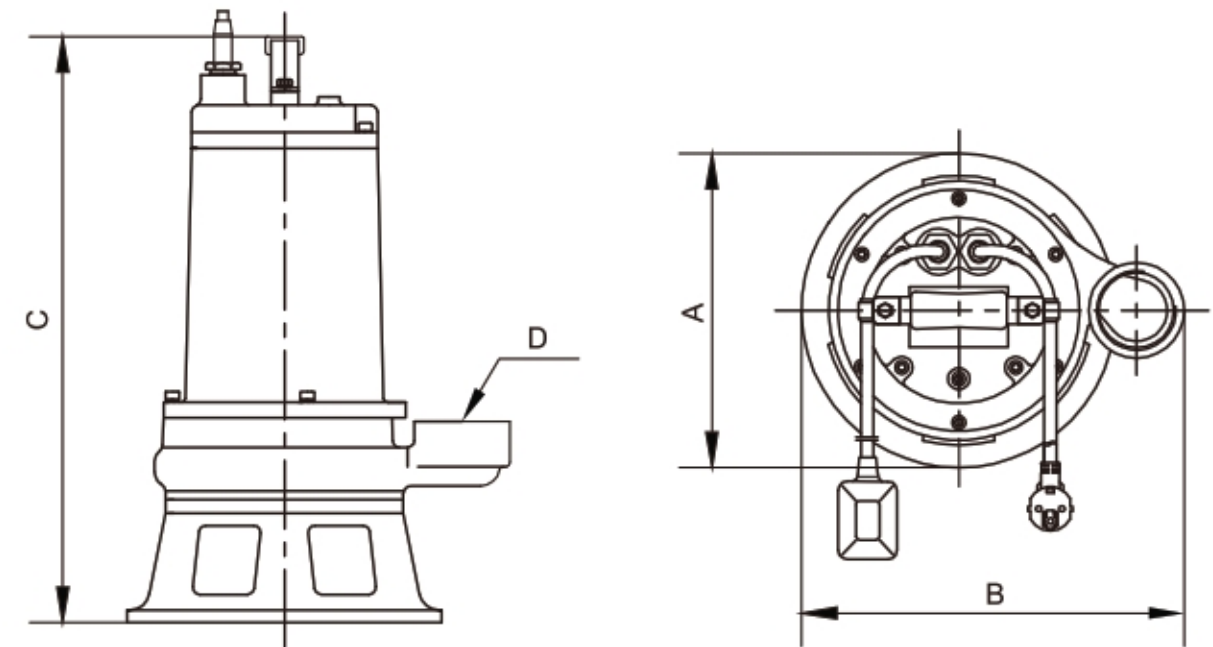
1. O-ring: Buna-N
2. Motor Housing: GG20
3. Shaft: AISI 420
4. Double-sided Mechanical Seal: Buna-N elastomers
Motor side: Carbon VS Silicon Carbide
Pump side: Silicon Carbide VS Silicon Carbide
5. Impeller: GG20
6. Pump Casing: GG20
7. Shredding ring: AISI 440
8. Grinding ring: AISI 440



Specifications

Model	Voltage, Frequency	Output Power	Capacitor	l/min m³/h	H (m)	0	40	80	120	160	200
						0	2.4	4.8	7.2	9.6	12
WQ750SQG	220V, 50Hz	0.75kW	25 μf			18.5	16	13.5	10	2.5	
WQ1100SQG	220V, 50Hz	1.1kW	30 μf			20	17.5	15.5	13.5	10	5
WQ1500SQG	220V, 50Hz	1.5kW	30 μf			23.5	20.5	18.5	15.5	12	2
WQ2200SQG	380V, 50Hz	2.2kW	/			30	28	25	22	18	2

* Other voltage and frequency are available if required.



Dimensions

Model	A mm	B mm	C mm	D Discharge	Packing Size (mm)	N.W.
WQ750SQG	230	280	430	G 2" F	240 × 280 × 450	29kg
WQ1100SQG	230	280	450	G 2" F	240 × 290 × 470	30kg
WQ1500SQG	240	310	550	G 2" F	250 × 320 × 570	36kg
WQ2200SQG	240	310	550	G 2" F	250 × 320 × 570	38kg

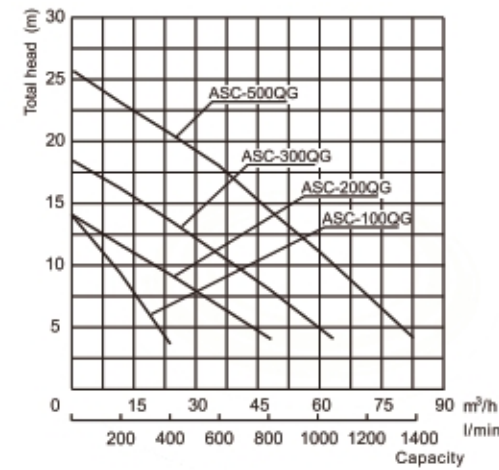
SUBMERSIBLE GRINDER PUMPS



ASC-100QG



ASC-QG



Applications

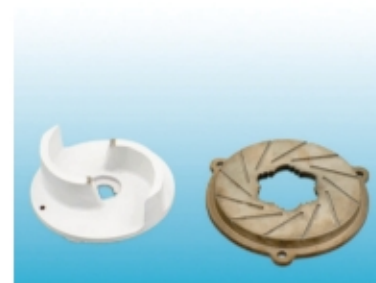
Drainage of waste water from the attenuation tank, purifying tank and sewage tank in water treat plant.
Drainage of waste water containing fibrous additives from leather factory, dyeing factory and food processing factory.
Sewage management, accumulated water, septic tank, stock farm.
Pumping sewage from single and multifamily dwellings.
Pumping sewage from hotels, restaurants, schools and public buildings.
Surface water irrigation.

Materials

- O-ring: Buna-N
- Motor housing: AISI 304
- Shaft: AISI 420 welding shaft
- Double-sided mechanical seal: Buna-N elastomers
Motor side: Carbon Vs Silicon Carbide
Pump side: Silicon Carbide Vs Silicon Carbide
- Impeller: GG20
- Pump casing: GG20
- Shredding ring: AISI 440
- Grinding ring: AISI 440

Specifications

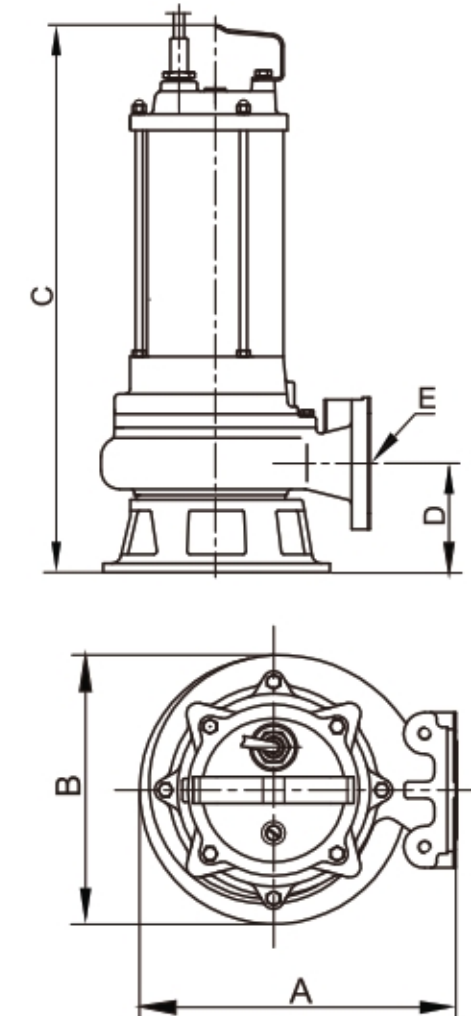
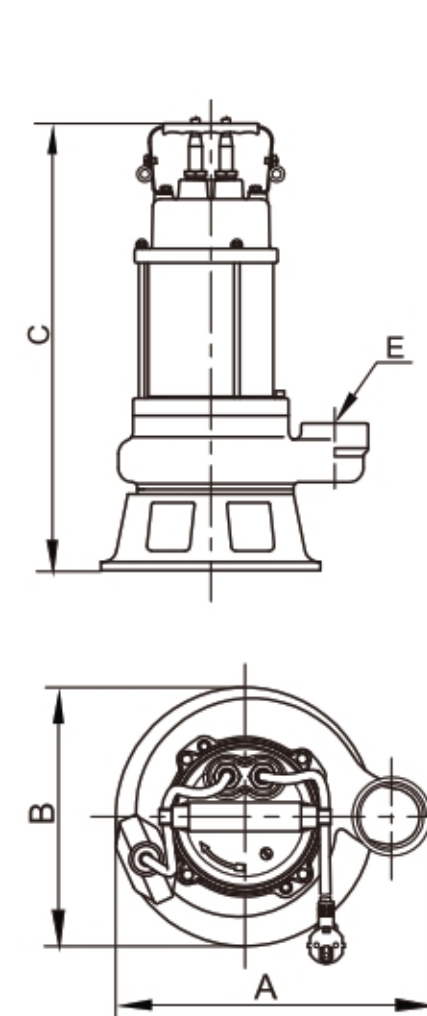
- Standard cables: 10 m H07RN-F cable type
- Liquid temperature range: From 0°C to +40°C
- Max. medium density: 1100 kg/m³
- pH of the pumped medium: 5-8
- Motor: B insulation class, IP68 protection
- Built-in thermal and current overload protection and a capacitor permanently on in the single phase version
- Accessories: Single-phase versions can be equipped with or without float switches for automatic operation



Specifications

Model	Voltage, Frequency	Output Power	Capacitor	l/min m³/h	H (m)	0	200	400	600	800	1000	1200	1400
						0	12	24	36	48	60	72	84
ASC-100QG	220V, 50Hz	0.75kW	25 µf			14	9.5	3					
ASC-200QG	380V, 50Hz	1.5kW	/			14	11.5	9	6.5	4			
ASC-300QG	380V, 50Hz	2.2kW	/			18.5	16	13.5	10.5	8	5		
ASC-500QG	380V, 50Hz	3.7kW	/			25.5	23	21	18	14.5	11.5	7.5	4

* Other voltage and frequency are available if required.



Dimensions

Model	A mm	B mm	C mm	D mm	E Discharge	Packing Size (mm)	N.W.
ASC-100QG	280	230	470	-	G 2" F	510 × 240 × 270	32kg
ASC-200QG	300	250	540	118	G 3" F	590 × 320 × 260	44kg
ASC-300QG	300	250	570	118	G 3" F	590 × 320 × 260	48kg
ASC-500QG	300	250	610	118	G 4" F	630 × 320 × 260	63kg