

# Submersible Dewatering Pumps

## BUCF · BU/BU-K(A) · SN

### BUCF (2-pole, cast iron construction)

Discharge: 100 · 150mm | Rated output: 7.5 · 11kW

These pumps accommodate deep water and incorporate special pressure-proof mechanical seals. They are designed for ease of assembly and disassembly.

- The main components of the BUCF series are made of durable casting.

#### Standard Specifications

Discharge mm	Pump model	Rated output kW	Flow-Total head m <sup>3</sup> /mim-m		No. of poles	Pump weight kg
			50Hz	60Hz		
100	BUCF2104 (-F)	7.5	1.0-25.0	1.0-25.0	2	113 (118)
	BUCF2154 (-F)	11	1.0-35.0	1.0-35.0	2	118 (123)
150	BUCF2106 (-F)	7.5	2.0-10.0	2.0-9.0	2	106 (113)
	BUCF2156 (-F)	11	2.0-15.0	2.0-15.0	2	111 (118)

#### Principal Materials

Cable	2PNCTS
Motor shaft	420J2 stainless steel
Pump housing	BUCF2104 : FCAD1200 BUCF2106 : Synthetic rubber
Impeller	High chromium iron casting
Mechanical seal	Upper   Ceramic/Copper alloy casting Lower   SiC/SiC

#### Material code description

2PNCT: EPR insulated CPC sheathed cable, 2PNCTS: EPR insulated CPC sheathed cable with fabric reinforcement, 2RNCT: NR insulated CPC sheathed cable, FC: Gray iron casting, FCD: Spheroidal graphite iron casting, FCAD: Austempered spheroidal graphite iron casting, SiC: Silicon carbide



### BU (4-pole) / BU-K(A) (4-pole, with agitator blade)

Discharge: 150 · 200 · 250mm | Rated output: 5.5-22kW

Thanks to its highly efficient design, this energy-conserving model consumes less power. The motors are durable because they are engineered for a wide margin of operating conditions.

- The discharge outlet accommodates hose coupling standardly. A flange type can also be available.

#### Standard Specifications

Discharge mm	Pump model	Rated output kW	Flow-Total head m <sup>3</sup> /mim-m		No. of poles	Pump weight kg
			50Hz	60Hz		
150	BU486KB	5.5	2.0-10.0	2.0-10.0	4	124
	BU486KBA		1.5-10.0	1.5-10.0		
	BU4126K	9	2.0-15.0	2.0-15.0	4	180
	BU4126KA		2.0-13.0	2.0-13.0		
200	BU4158K	11	4.0-9.0	4.0-9.0	4	200
	BU4158KA		4.0-8.0	4.0-7.0		
250	BU43010B	22	8.0-10.0	8.0-10.0	4	365

#### Principal Materials

Cable	2PNCTS, 2RNCT (5.5kW)
Motor shaft	420J2 stainless steel
Pump housing	Gray iron casting (FC250) (FC250 for BU43010B)
Impeller	Spheroidal graphite iron casting (FCD700) BU43010B : High chromium iron casting
Mechanical seal	Upper   SiC/SiC BU43010B : Ceramic/Copper alloy casting Lower   SiC/SiC BU43010B : Cemented carbide/Cemented carbide



### SN (4-pole or 6-pole)

Discharge: 80 · 100 · 150 · 200mm | Rated output: 3.7-37kW

This pump is powerful enough for dewatering applications with a heavy sand content.

- Choose a model with agitator or a water jet agitation type to meet your specific requirements.

#### Standard Specifications

Discharge mm	Pump model	Rated output kW	Flow-Total head m <sup>3</sup> /mim-m		No. of poles	Pump weight kg
			50Hz	60Hz		
80	SN35A	3.7	0.8-10.0	0.8-10.0	4	110
100	SN48E	5.5	1.3-10.0	1.3-10.0	4	119
150	SN615C	11	2.0-14.0	2.0-14.0	4	240
	SN631/SN631A	22	3.2-18.0	3.2-18.0	4	430 / 435
	SN651A/SN651J	37	3.2-25.0	3.2-25.0	6	740 / 785
200	SN851A/SN851J	37	6.0-19.0	6.0-19.0	6	785 / 815

#### Principal Materials

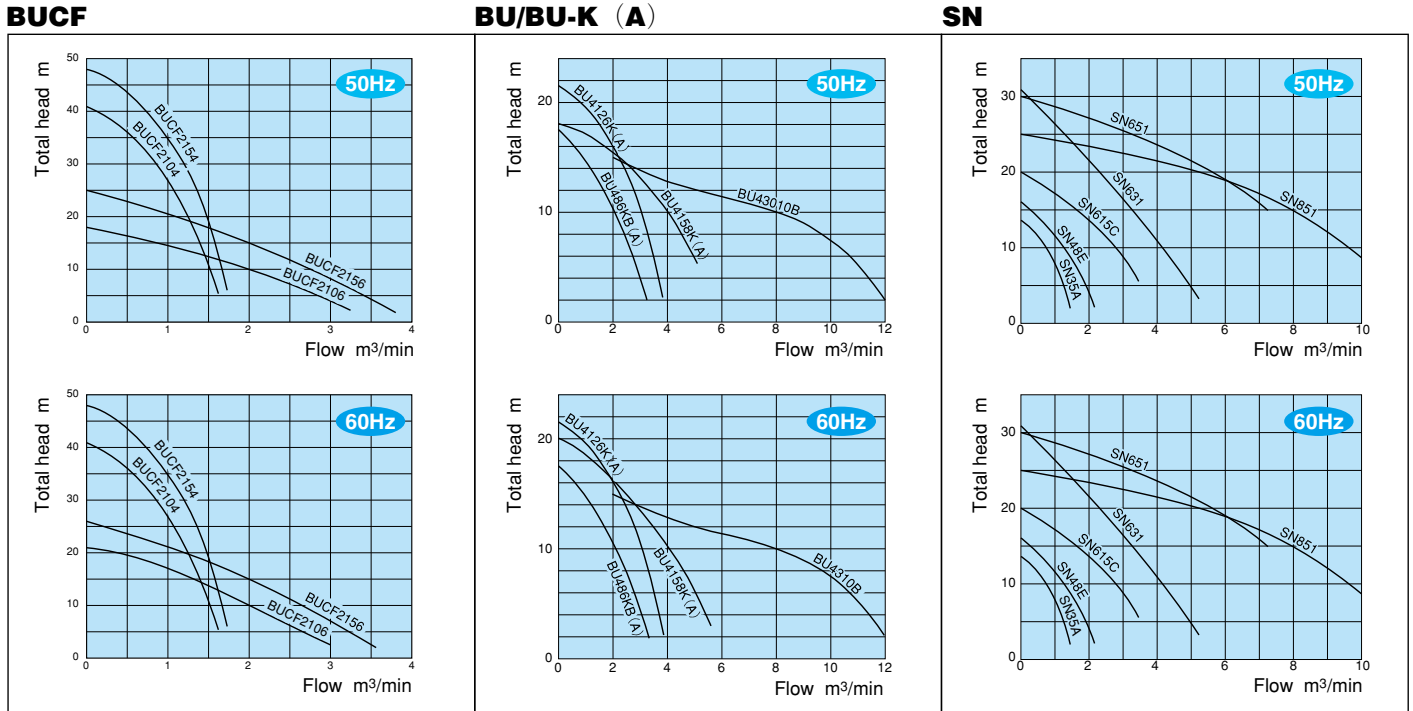
Cable	2RNCT or 2PNCT
Motor shaft	420J1 or J2 stainless steel
Pump housing	FC250 or FCD500
Impeller	High chromium iron casting
Agitator blade	High chromium iron casting
Mechanical seal	Upper   SiC/SiC SN615C : Ceramic/Copper alloy casting SN631(A) : Stainless steel/Carbon Lower   SiC/SiC SN615C, SN631(A), SN651A(J), SN851A(J) : Cemented carbide/Cemented carbide



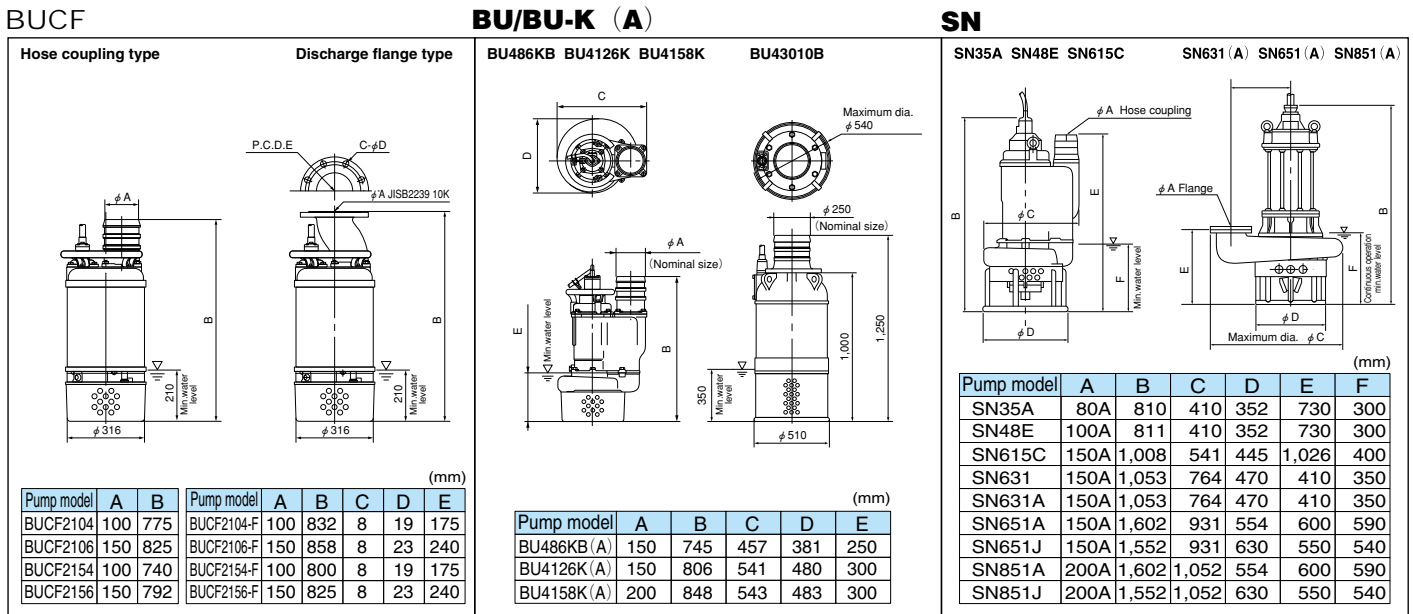
## Standard Accessories

- Cable (10m) ..... 1pc.
  - Hose coupling or Discharge flange ..... 1pc.
- \* Only BUCF · BU-K (A) Series

## Performance Curves



## Dimensions



Specifications and dimensions are subject to change without notice.

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### ShinMaywa ONO PLANT

ISO 9001(No.956445)/ISO 14001(No.771888)