



Submersible Pumps For Water Pit

Type BMS-BMSP

APPLICATIONS

- Water supply
- Irrigation

FEATURES

- **Energy conservation(High efficiency)**
Producing an adequate volume of water at low cost.
- **Use for potable water supply**
Water contamination is prevented by use of a water-tight type motor with stainless steel frame and epoxy resin coated steel castings.
- **Space conservation**
No floor space required for installation as the pump is submersible type.
- **Low noise**
Operating is effectively silence as the pump and motor are submerged.
- **Automatic operation**
As the pump can be operated without priming, automatic operation is possible.
- **Possible to operate at low-water levels**
Pump suction inlet of lower portion provides for constant replenishment of fresh water in pit.

ACCESSORIES

STANDARD ACCESSORIES

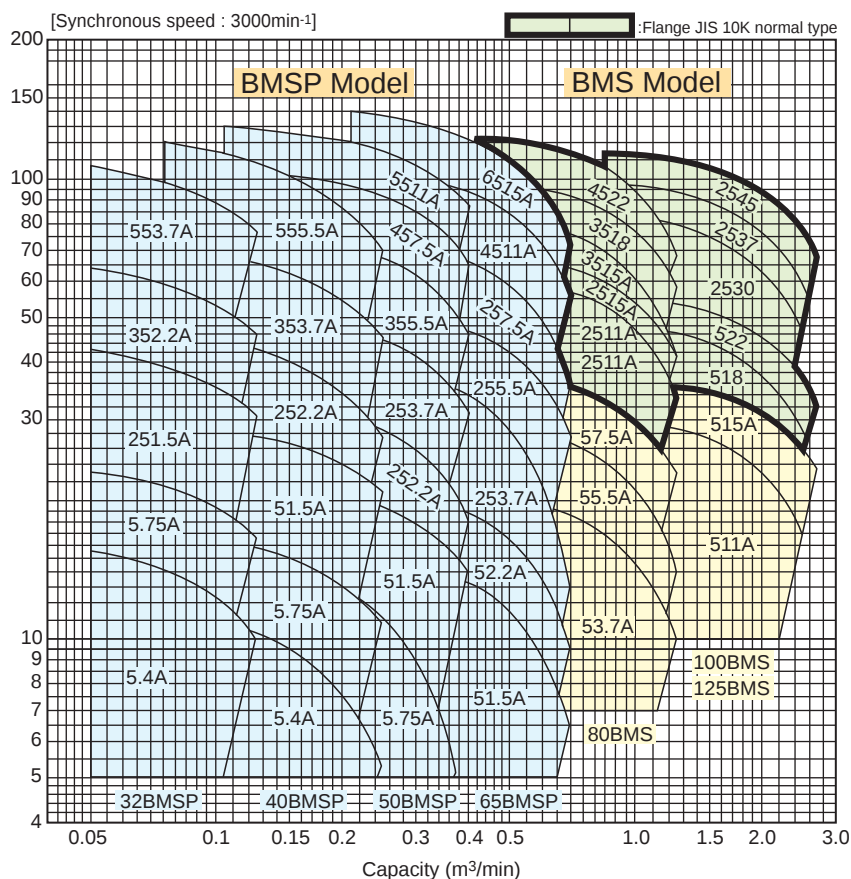
- Submersible cable	10m
- Cable band	3
- Ground surface nameplate	1
- Companion flange with bolts (BMSP)	1 set
- Built-in air vent valve (BMS)	1

OPTIONAL ACCESSORIES

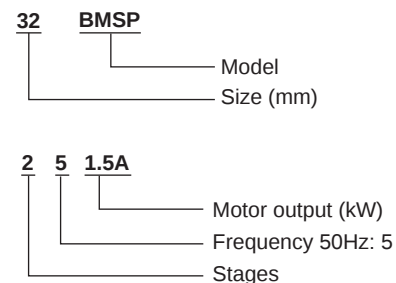
- Cable extension (Total:20m,30m)
- Control panel : EPC
- Sole plate and Discharge elbow
- Auto air vent valve, Sluice valve, Check valve
- Compound gauge
- Support device for horizontal installation (BMSP)



PERFORMANCE CHART



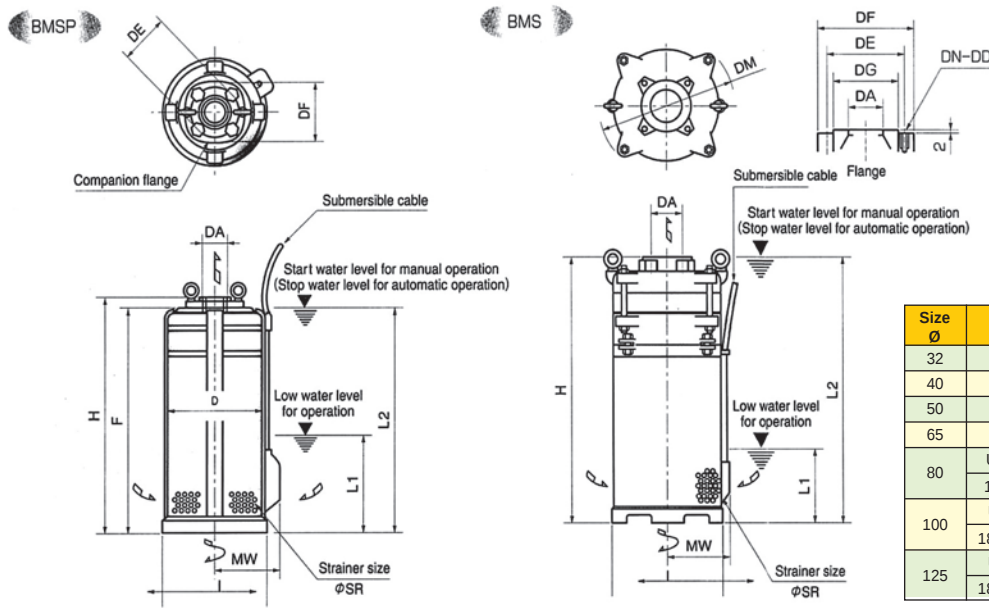
Symbols



SPECIFICATIONS

			BMSP	BMS
Liquid handled			Fresh water	
Liquid temperature			0 ~ 40°C	0 ~ 40°C (Up to 15kW) 0 ~ 32°C (18.5kW & over)
Contained sand limit			Up to 50ppm	
Contained chlorine limit			Up to 500ppm	
Max. pump submergence			10m	
Construction	Impeller		Enclosed	
	Bearing		Bushing : 4 to 6 stages	Bushing
Material	Casing		304 Stainless steel	Cast iron
	Impeller		304 Stainless steel	Bronze
	Shaft		431 Stainless steel	Bronze (Multi-stage)
	Bushing		SiC/NBR	
Motor	Type		Water filled submersible motor, 2 pole	
			Canned type	Canned type : Up to 15kW Water tight type : 18.5kW & over
	Insulation		Class F	Class F : Up to 15kW Class Y : 18.5kW & over
	Starting		D.O.L. starting : Up to 7.5kW Star delta starting : 11kW & over	
	Construction	Shaft seal	Oil seal	
		Shaft	Mono block type	Shaft joint type
	Materials	Frame	304 Stainless Steel	
		Shaft	431 Stainless steel	420J ₂ Stainless steel
Cable		2PNCT		
Flange			Special flange	JIS 10K thin type JIS 10K normal type

DIMENSIONS



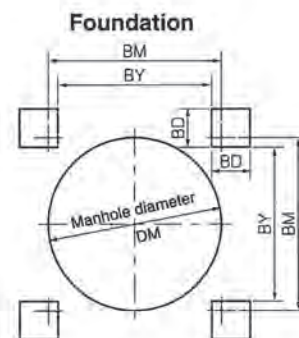
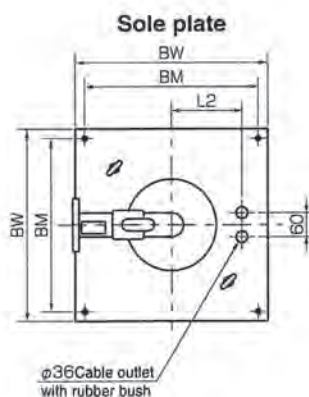
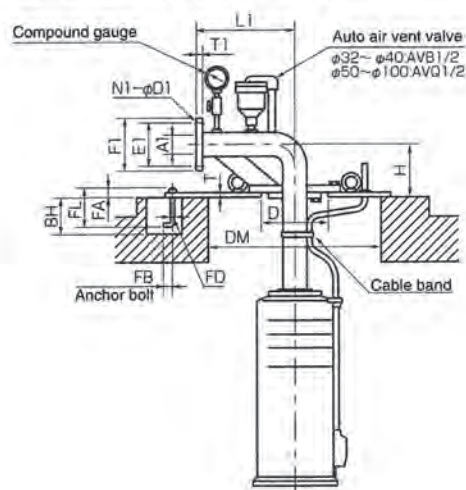
Unit:mm

Size Ø		DF	DE	DG	DN	DD
32		116	105	-	-	-
40		116	105	-	-	-
50		116	105	-	-	-
65		150	120	-	-	-
80	Up to 7.5kW	185	150	130	8	M12
	11kW & over					M16
100	Up to 15kW	210	175	155	8	M12
	18.5kW & over					M16
125	Up to 15kW	250	210	185	8	M16
	18.5kW & over					M20

Size DA	Model	Stage	Output kW	Pump & Motor									Weight (Mass) kg
				DM	I	MW	D	F	H	SR	L1	L2	
32	32BMSP5.4A	1	0.4	-	215	125	195	395	423	4	200	395	28
	32BMSP5.75A		0.75					458	486			458	33
	32BMSP251.5A	2	1.5					518	546			518	38
	32BMSP352.2A	3	2.2					673	701			673	53
	32BMSP553.7A	5	3.7										
40	40BMSP5.4A	1	0.4	-	215	125	195	395	423	4	200	395	28
	40BMSP5.75A		0.75					418	446			418	30
	40BMSP51.5A		1.5					478	506			478	35
	40BMSP252.2A	2	2.2					593	621			593	47
	40BMSP353.7A	3	3.7					700	728			700	65
50	50BMSP555.5A	5	5.5	-	250	147	225	700	728	4	200	700	65
	50BMSP5.75A	1	0.75	-	215	125	195	395	425			395	28
	50BMSP51.5A		1.5					418	448			418	30
	50BMSP252.2A	2	2.2					478	508			478	35
	50BMSP253.7A	3	3.7					553	583			553	45
65	65BMSP355.5A	3	5.5					620	650			620	60
	65BMSP457.5A	4	7.5					698	728			698	70
	65BMSP511A	5	11					794	824			794	88
	65BMSP51.5A	1	1.5	-	215	125	195	426	463	4	200	426	31
	65BMSP52.2A		2.2					446	483			446	34
80	80BMS53.7A	1	3.7					569	606			569	46
	80BMS55.5A		5.5					596	633			596	58
	80BMS57.5A	2	7.5					682	719			682	69
	80BMS2511A	2	11					786	823			786	88
	80BMS2515A		15					951	988			951	106
100	100BMS511A	1	11	380	275	157	-	751	761	4	250	751	121
	100BMS515A		15					820	830			820	133
	100BMS518	2	18.5					1150	1150			1150	236
	100BMS522	2	22					1200	1200			1200	260
	100BMS2530		30					1425	1425			1425	376
125	125BMS511A		37					1525	1525			1525	401
	125BMS515A	1	45										
	125BMS518		18.5										
	125BMS522	2	22										
	125BMS2530		30										
	125BMS2537		37										
	125BMS2545		45										

INSTALLATION DIMENSIONS

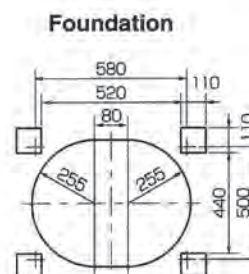
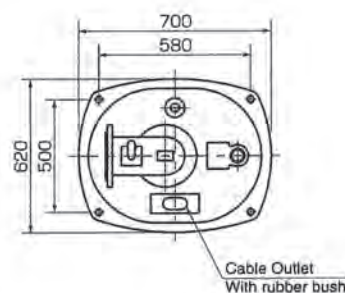
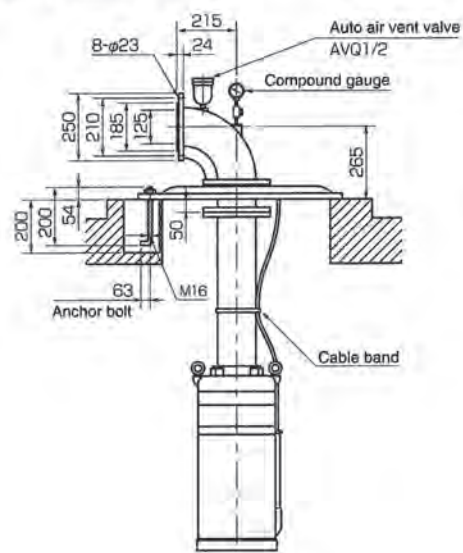
■ Pump size $\phi 32 \sim 100$



Part name	Material	Nos
Lifting bolt	Steel	2
Discharge elbow		1
Sole plate		

Size	Sole plate						Foundation					Anchor bolt				Sole plate weight (Mass) kg	JIS 10K thin type					JIS 10K normal type				
A1	BW	L1	L2	H	T	D	DM	BM	BY	BD	BH	FD	FL	FA	FB		F1	E1	T1	N1	D1	F1	E1	T1	N1	D1
32	450	230	150	130	12	160	400	400	340	110	180	M12	160	32	50	24	-	-	-	-	-	135	100	16	4	19
40	450	230	150	140	12	160	400	400	340	110	180	M12	160	32	50	24	-	-	-	-	-	140	105	16	4	19
50	550	280	200	155	12	200	500	500	440	110	180	M12	160	32	50	36	-	-	-	-	-	155	120	16	4	19
65	550	280	200	165	12	200	500	500	440	110	180	M12	160	32	50	36	-	-	-	-	-	175	140	18	4	19
80	650	330	220	190	16	235	600	600	540	110	220	M16	200	39	63	63	180	150	16	8	15	185	150	18	8	19
100	650	330	220	230	16	235	600	600	540	110	220	M16	200	39	63	64	210	175	16	8	15	210	175	18	8	19

■ Pump size $\phi 125$



Size	Weight (Mass) kg
125	110

Part name	Material	Nos
Discharge elbow	FC200	1
Sole plate		

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



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