

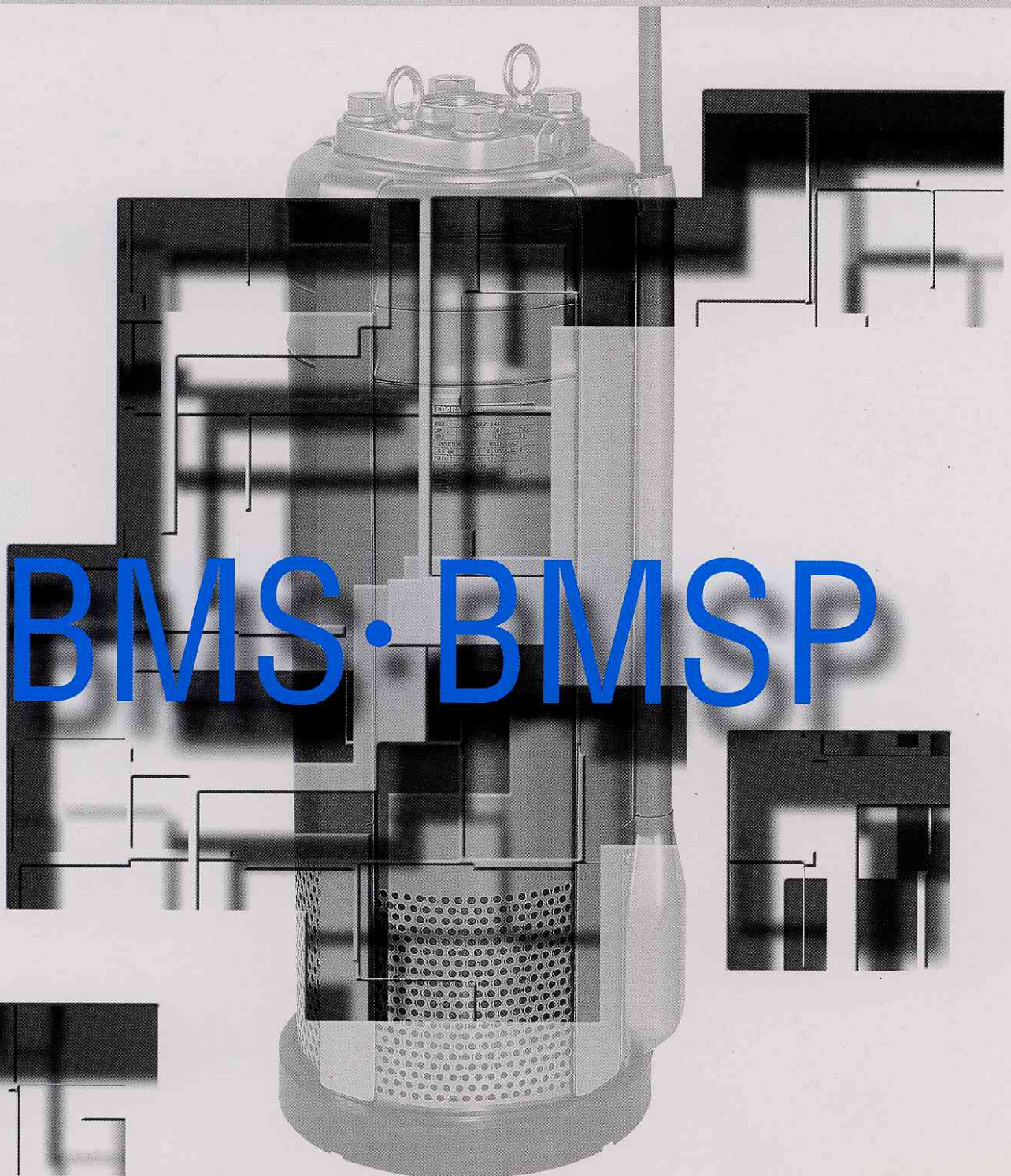


EBARA

CF3103UK

SUBMERSIBLE PUMPS FOR WATER PIT

Model **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

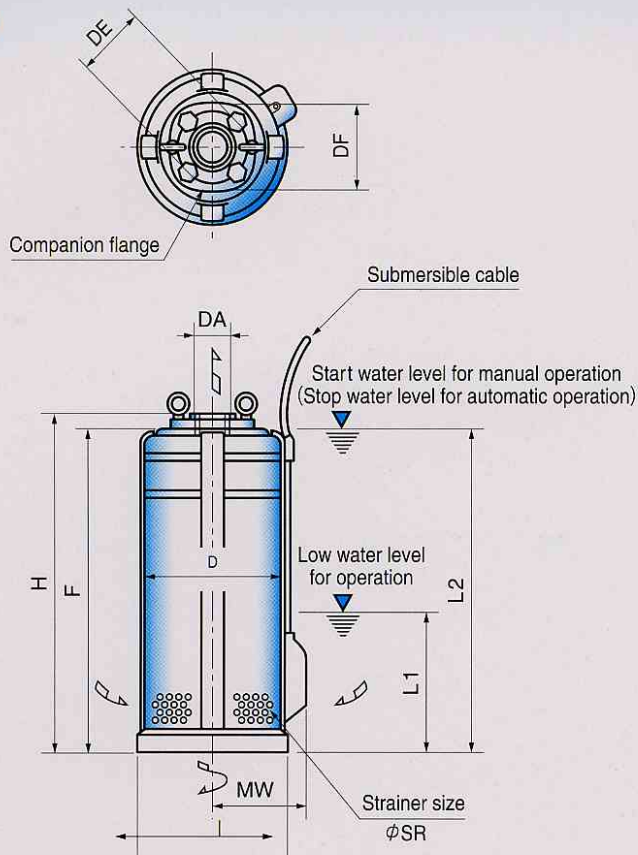
Cable extension (Total:20m,30m)
Control panel:EPC
Sole plate and Discharge elbow
Auto air vent valve
Sluice valve
Check valve
Compound gauge
Support device for horizontal installation (BMSP)

STANDARD SPECIFICATIONS

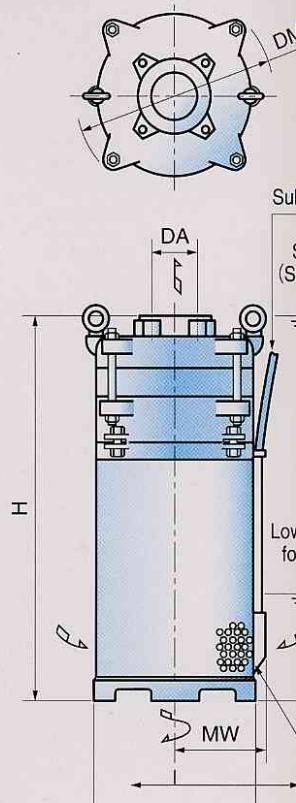
			BMSP	BMS
Liquid handled			Fresh water	
Liquid temperature			0~40° C	0~40° C (Up to 15kW) 0~32° C (18.5kW & over)
Contained sand limit			Up to 50ppm	
Contained chlorine limit			Up to 500ppm	
Max. pump submergence			10m	
Construction	Impeller		Enclosed	
	Bearing		Bushing : 4 to 6 stages	Bushing
Materials	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
	Installation		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	JIS10K thin type JIS10K normal type

DIMENSIONS

BMSP

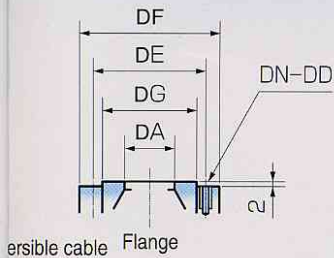


BMS



50Hz

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																
	32BMSP251.5A	2	1.5					458	486			458	33						
	32BMSP352.2A	3	2.2					518	546			518	38						
	32BMSP553.7A	5	3.7					673	701			673	53						
40	40BMSP5.4A	1	0.4	—	215	125	195	395	423	4	200	395	28						
	40BMSP5.75A		0.75																
	40BMSP51.5A		1.5					418	446			418	30						
	40BMSP252.2A	2	2.2					478	506			478	35						
	40BMSP353.7A	3	3.7					593	621			593	47						
	40BMSP555.5A	5	5.5					700	728			700	65						
50	50BMSP5.75A	1	0.75	—	215	125	195	395	425	4	200	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						
	50BMSP355.5A	3	5.5					620	650			620	60						
	50BMSP457.5A	4	7.5					698	728			698	70						
	50BMSP551.1A	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													
65BMSP253.7A	2	3.7	569	606	569	46													
65BMSP255.5A	3	5.5	596	633	596	58													
65BMSP357.5A	3	7.5	682	719	682	69													
65BMSP451.1A	4	11	786	823	786	88													
65BMSP651.5A	6	15	951	988	951	106													
80	80BMS53.7A	1	3.7	330	275	157	—			—	642			4	250			642	95
	80BMS55.5A		5.5	360															
	80BMS57.5A	2	7.5	355				680	856		680	103							
	80BMS251.1A		11					856	856		134								
	80BMS251.5A	3	15					925	925		146								
	80BMS351.5A		1005					1005	164										
	80BMS351.8	4	18.5					370	320		320	1265	1265			238			
	80BMS452.2		22									1395	1395			281			
100	100BMS51.1A	1	11		430	275	157			—		—	751	4	250	751	121		
	100BMS51.5A		15										820			820	133		
	100BMS51.8		18.5	1150									1150			236			
	100BMS52.2		22	1200									1200			260			
	100BMS253.0	2	30	420									1425			8	300	1425	376
	100BMS253.7		37										386						
	100BMS254.5		45	440				1525	1525		401								
125	125BMS51.1A	1	11	430	275	157	—	—	761	4	250	761	121						
	125BMS51.5A		15						830			830	133						
	125BMS51.8		18.5						1150			1150	236						
	125BMS52.2	22	1200						1200			260							
	125BMS253.0	2	30						420			1425	8	300	1425	376			
	125BMS253.7		37									386							
	125BMS254.5		45						440			1525			1525	401			



rt water level for manual operation
water level for automatic operation)

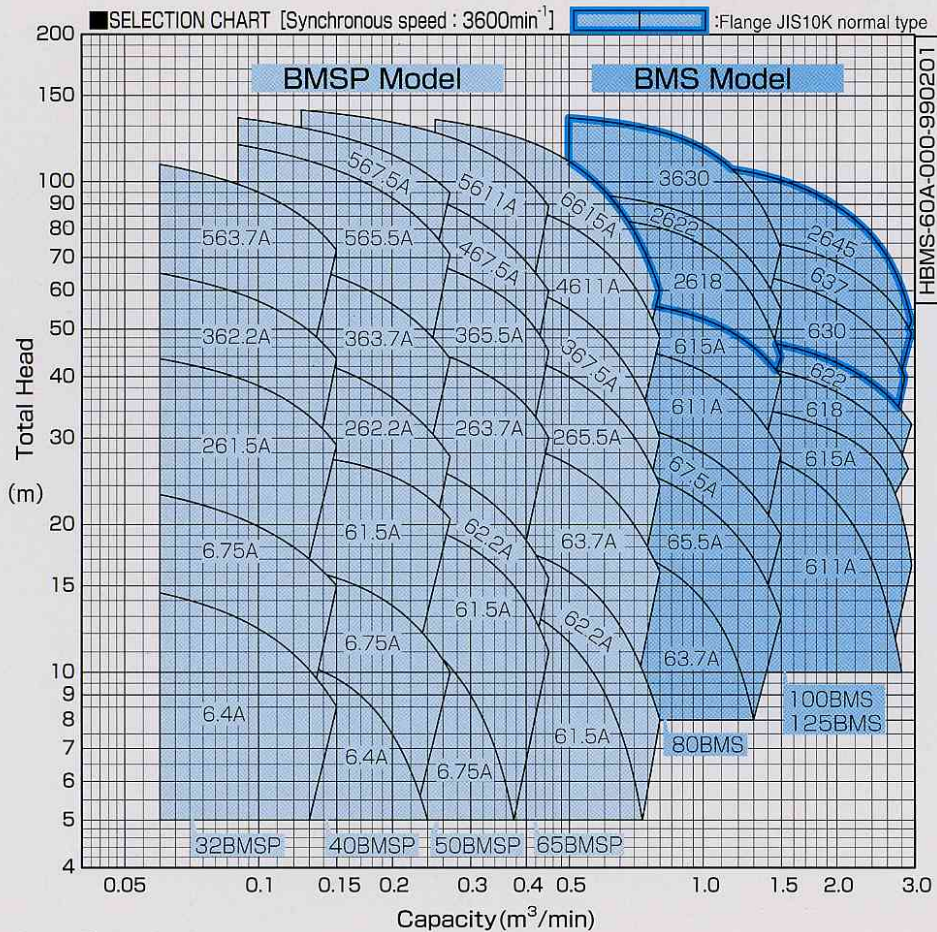
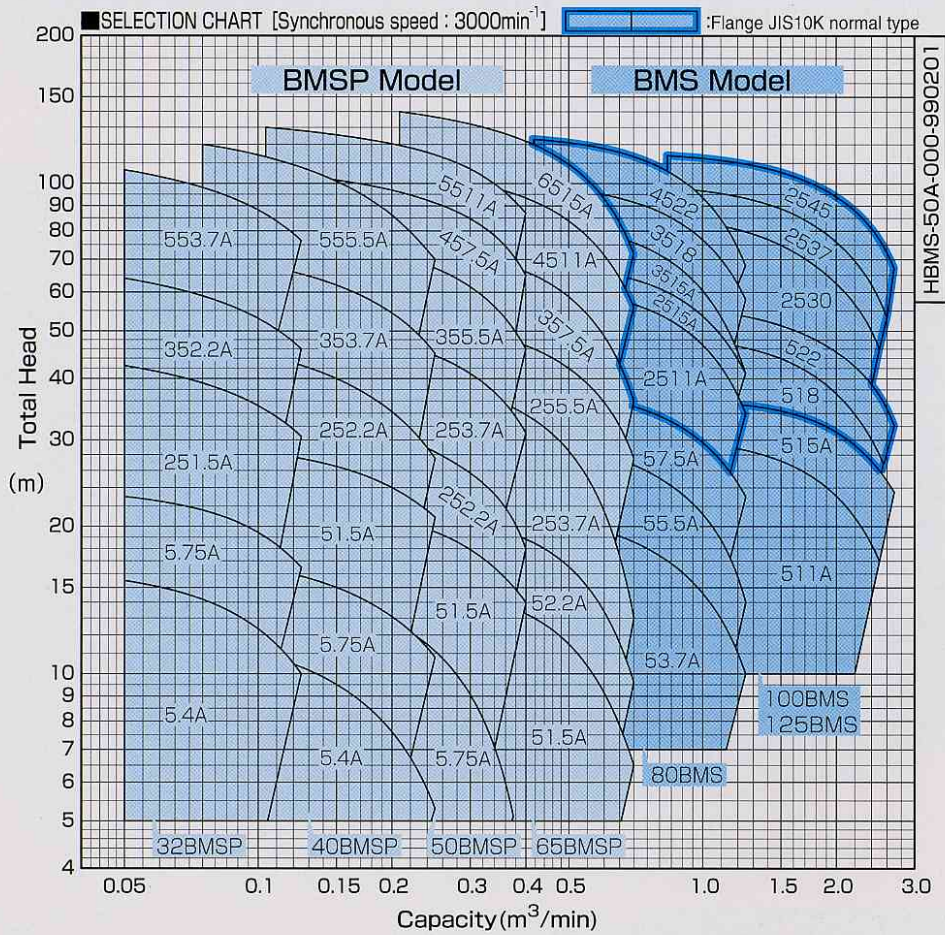


Strainer size
φSR

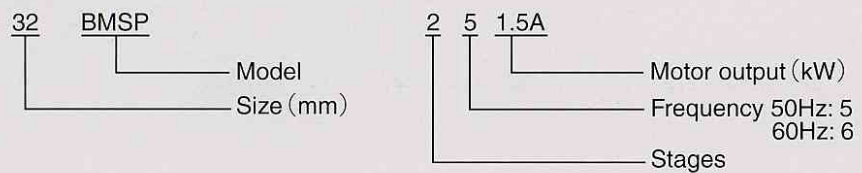
■60Hz

Size DA	Model	Stage	Output kW	Pump & Motor									Weight (Mass) kg
				DM	I	MW	D	F	H	SR	L1	L2	
32	32BMSP6.4A	1	0.4	—	215	125	195	395	423	4	200	395	28
	32BMSP6.75A		0.75					458	486			458	33
	32BMSP261.5A	2	1.5					518	546			518	38
	32BMSP362.2A		2.2					673	701			673	53
	32BMSP563.7A	5	3.7					—	—			—	—
40	40BMSP6.4A	1	0.4	—	215	125	195	395	423	4	200	395	28
	40BMSP6.75A		0.75					418	446			418	30
	40BMSP61.5A	2	1.5					478	506			478	35
	40BMSP262.2A		2.2					593	621			593	47
	40BMSP363.7A	3	3.7					700	728			700	65
	40BMSP565.5A	5	5.5					738	766			738	73
	40BMSP567.5A		7.5					—	—			—	—
50	50BMSP6.75A	1	0.75	—	215	125	195	395	425	4	200	395	28
	50BMSP61.5A		1.5					418	448			418	30
	50BMSP62.2A	2	2.2					438	468			438	33
	50BMSP263.7A		3.7					553	583			553	45
	50BMSP365.5A	3	5.5					620	650			620	60
	50BMSP467.5A	4	7.5					698	728			698	70
	50BMSP5611A		11					794	824			794	88
65	65BMSP61.5A	1	1.5	—	215	125	195	426	463	4	200	426	31
	65BMSP62.2A		2.2					446	483			446	34
	65BMSP63.7A	2	3.7					521	558			521	42
	65BMSP265.5A		5.5					596	633			596	58
	65BMSP367.5A	3	7.5					682	719			682	69
	65BMSP4611A	4	11					786	823			786	88
	65BMSP6615A		15					951	988			951	106
80	80BMS63.7A	1	3.7	330	275	157	—	—	642	4	250	642	89
	80BMS65.5A		5.5						680			680	96
	80BMS67.5A		7.5						736			736	108
	80BMS611A		11						805			805	120
	80BMS615A		15						1185			1185	220
	80BMS2618	2	18.5						1235	8	270	1235	245
	80BMS2622		22						1450			1450	340
	80BMS3630	3	30						751			751	123
100	100BMS611A	1	11	380	275	157	—	—	820	4	250	820	135
	100BMS615A		15						1095			1095	209
	100BMS618		18.5						1145			1145	234
	100BMS622		22						1335			1335	334
	100BMS630		30						1525			1525	401
	100BMS2637	2	37						761	8	300	761	123
	100BMS2645		45						830			830	135
125	125BMS611A	1	11	380	275	157	—	—	1105	4	250	1105	209
	125BMS615A		15						1155			1155	234
	125BMS618		18.5						1335			1335	334
	125BMS622		22						1525			1525	401
	125BMS630		30						761	8	300	761	123
	125BMS637		37						830			830	135

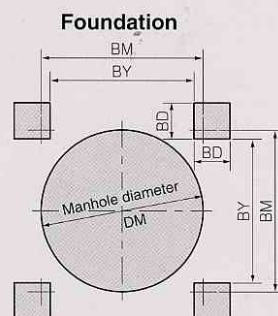
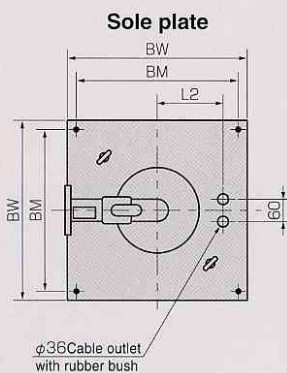
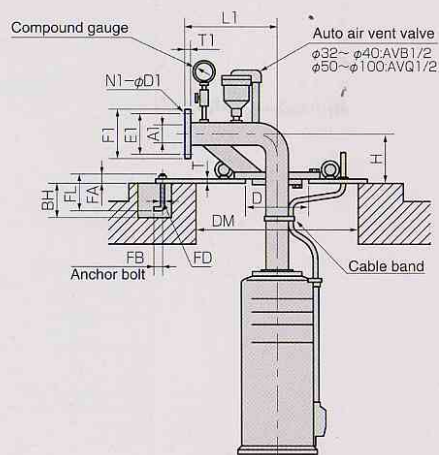
SELECTION CHART



Symbols



■ Pump size $\phi 32 \sim 100$



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

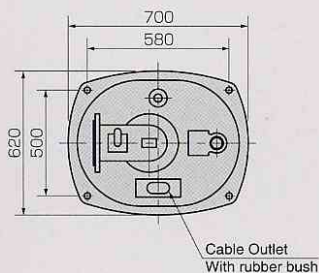
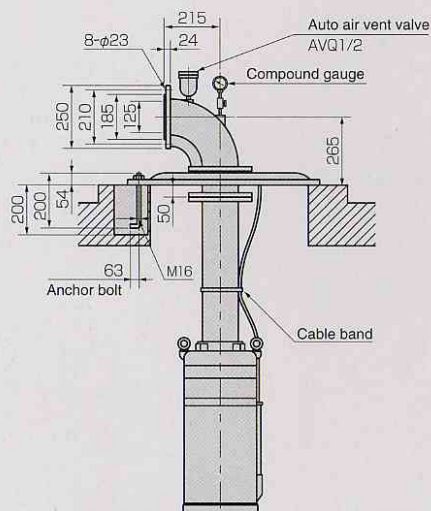
Installation

Size A1	Sole plate						Foundation					Anchor bolt				Sole plate weight (Mass) kg
	BW	L1	L2	H	T	D	DM	BM	BY	BD	BH	FD	FL	FA	FB	
32	450	230	150	130	12	160	400	400	340	110	180	M12	160	32	50	24
40	450	230	150	140	12	160	400	400	340	110	180	M12	160	32	50	24
50	550	280	200	155	12	200	500	500	440	110	180	M12	160	32	50	36
65	550	280	200	165	12	200	500	500	440	110	180	M12	160	32	50	36
80	650	330	220	190	16	235	600	600	540	110	220	M16	200	39	63	63
100	650	330	220	230	16	235	600	600	540	110	220	M16	200	39	63	64

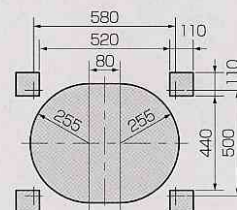
Flange

JIS10K thin type						JIS10K normal type					
F1	E1	T1	N1	D1		F1	E1	T1	N1	D1	
-	-	-	-	-		135	100	16	4	19	
-	-	-	-	-		140	105	16	4	19	
-	-	-	-	-		155	120	16	4	19	
-	-	-	-	-		175	140	18	4	19	
185	150	16	8	15		185	150	18	8	19	
210	175	16	8	15		210	175	18	8	19	

■ Pump size $\phi 125$



Foundation



Size	Weight (Mass) kg
125	110

Part name	Material	Nos
Discharge elbow	FC200	1
Sole plate		

※ All specifications subject to change without notice



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