

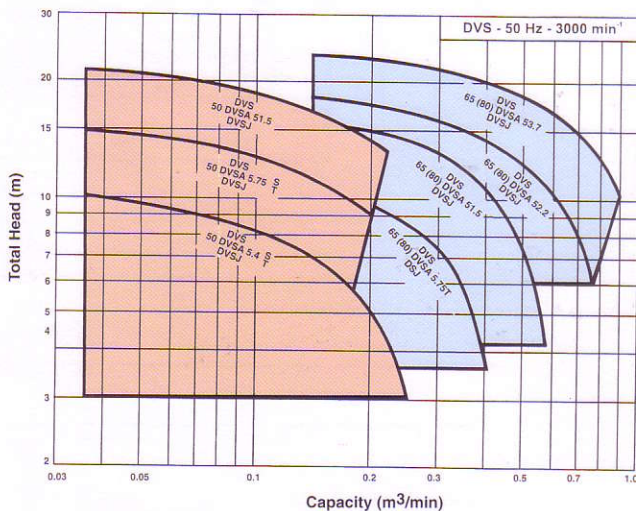
Model DVS

SPECIFICATIONS



Pump			
Liquid Handled	Type of liquid	River water, Effluent	
	Temperature	0°C~40°C for DVS, DVSA; 0°C~32°C for DVSJ	
	Pump size: Max solids size	50 : 32mm, 65 (80) : 45mm or 56mm	
Maximum Submergence		4m (0.4~1.5kW) ; 8m (2.2~3.7kW)	
Minimum Submergence		Refer to water level (L.W.L.) in Dimensions. It is possible to operate at low water level for 30min.	
Synchronous Speed		3000min ⁻¹	
Construction	Mechanical Seal	Double mechanical seal	
	Impeller	Semi-Vortex	
	Bearing	Prelubricated bearing	
Material	Casing	Cast iron	
	Impeller	Cast iron	
	Shaft	403 Stainless Steel	
	Mechanical Seal	Impeller side	Silicon carbide
	Seal	Motor side	Ceramic / Carbon
	Packing	NBR	
	Motor		
Type	2 pole, air-filled watertight		
Insulation	Class F		
Protection	Built in thermal protector		
Accessories			
Standard	Submersible cable: 0.4~1.5kW x 6m, 2.2~3.7kW x 10m Float switch (for DVSA, DVSJ)		
Optional	Quick discharge connector, Float switch (for DVS only)		

PERFORMANCE CHART

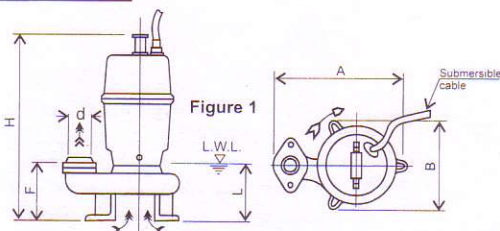


MODEL CODE

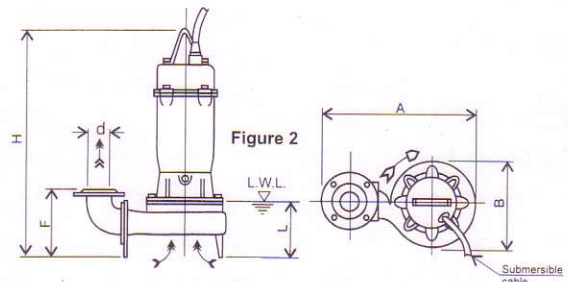
40	DVS	5	.25	T
Single Phase : S Three Phase : T / No marking				
Motor Output : kW				
Frequency 50Hz : 5				
Model DVS : Manual Version DVSA : Automatic Version DVSJ : Parallel Alternating Version				
Size (mm)				

DIMENSIONS

Manual type



Unit: mm



Size	Model	Output	Phase	Pump and Motor					L.W.L.	wt
d		kW		d	A	B	F	H	L	kg
50	50DVS5.4S	0.4	Single	PT2	239	160	82	435	105	18
	50DVS5.4T	0.4	3Ø	PT2	239	160	82	398	105	17
	50DVS5.75S	0.75	Single	PT2	249	171	82	497	105	26
	50DVS5.75T	0.75	3Ø	PT2	249	171	82	397	105	19
	50DVS5.15	1.5	3Ø	PT2	249	171	82	439	105	27
65	65DVS5.75T	0.75	3Ø	-	396	195	178	467	125	25
	65DVS5.15	1.5	3Ø	-	396	195	178	519	125	34

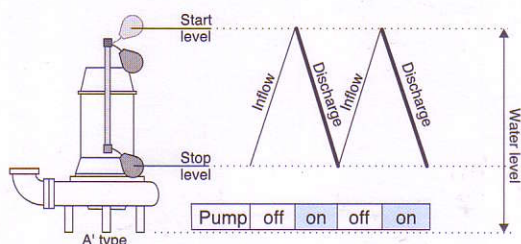
Size	Model	Output	Phase	Pump and Motor					L.W.L.	wt
d		kW		A	B	F	H	L	kg	
65	65DVS5.2	2.2	3Ø	427	227	201	643	155	50	
	65DVS5.3.7	3.7	3Ø	427	227	201	643	155	59	
80	80DVS5.75T	0.75	3Ø	411	195	183	467	125	26	
	80DVS5.15	1.5	3Ø	411	195	183	519	125	35	
	80DVS5.2	2.2	3Ø	442	227	206	643	155	51	
	80DVS5.3.7	3.7	3Ø	442	227	206	643	155	60	

AUTOMATIC OPERATION (A' & J' TYPE)

All models up to 3.7kW are available as automatic (A' type) or parallel alternating (J' type) pumps with inbuilt control devices and float switches. There is no need for an external control panel, and operation can begin as soon as the pumps are installed and connected to a power source.

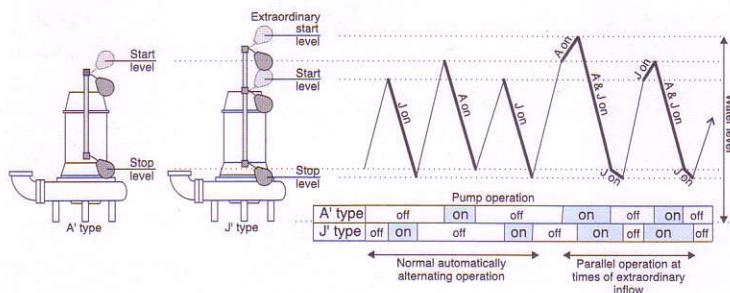
SINGLE PUMP INSTALLATION (A' TYPE)

A single automatic (A' type) pump is installed in the sump. The pump automatically start when the water level in the sump reaches the "start level", and stop when the pump has lowered the water level to the "stop level".



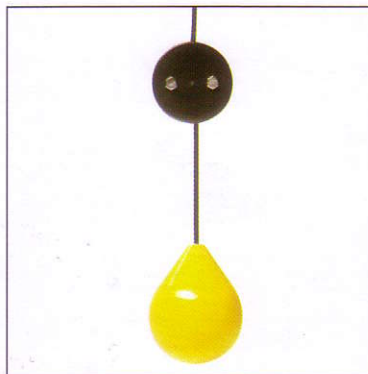
DUPLEX PUMP INSTALLATION (A' & J' TYPE)

Two pumps, one A' type and one J' type are installed in the sump. In normal operating conditions, operation alternates between the two pumps. In times of extraordinary inflow (inflow is greater than the capacity of a single pump), then the two pumps will operate together in parallel operation.



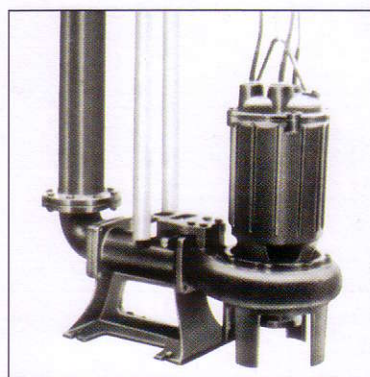
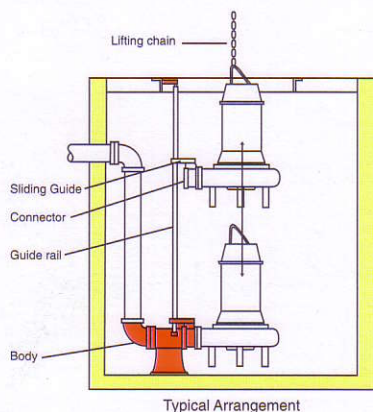
FLOAT SWITCH

FLOAT SWITCH	
Model	EF-4
Temperature	0~50°C
Function of contact	Up = ON Down = OFF
Voltage	AC 24V DC 24 V
Max Current	AC 0.5A DC 0.5A
Contact Capacity	AC 12VA DC 12VA
Lead Wire	2x0.2mm ² x6m



QUICK DISCHARGE CONNECTION (QDC)

An optional quick discharge connector is available to suit all Ebara D'Series submersible pumps, allowing easy removal and replacement of the pumps for maintenance purposes without having to enter the sump.



EBARA Pump with QDC - Typical Arrangement

Note: All specifications subject to change without prior notice.



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