



EBARA

Looking ahead,
going beyond expectations

Ahead  *Beyond*

Japanese Technology since 1912

Submersible Semi-vortex Pumps

Model **DVS**



www.ebara.com.au

DVS - Submersible Semi-vortex Pumps

Specifications

- Maximum solids handling: 50Ø models - 32mm
80Ø 0.75, 1.5 kW - 45mm
80Ø 2.2, 3.7 kW - 56mm
- Maximum liquid temperature: 40 °C
- Maximum submergence: 0.4 -1.5 kW -4 m
2.2 -3.7 kW -8 m

Materials

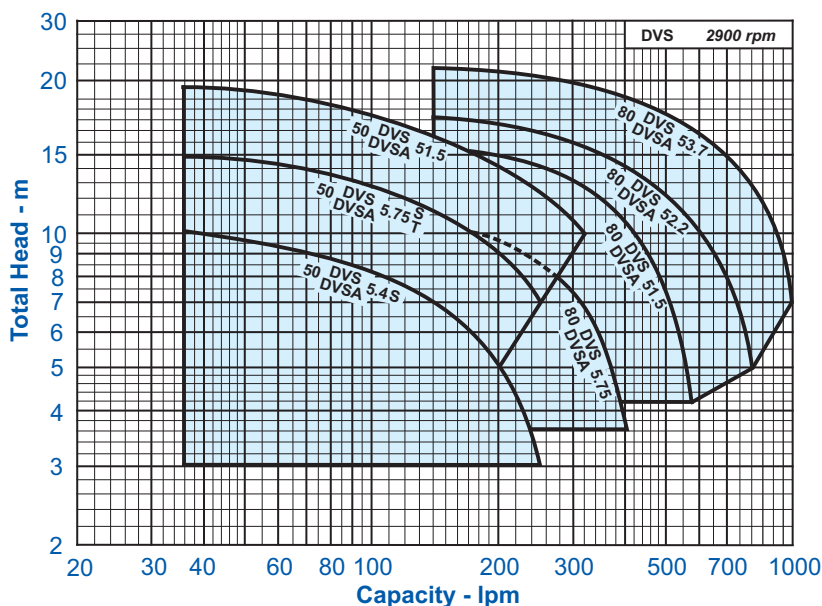
- Casing, impeller & motor frame: Cast Iron
- Shaft : 403 Stainless Steel
- Fasteners: 304 Stainless Steel
- Mechanical seal: Double mechanical seal in oil lubricated chamber, Silicon Carbide lower faces, Carbon/Ceramic upper faces.

Motor Data

- Air filled, dry submersible, 2 pole, 50 Hz
- Insulation class F, IP68 protection
- 3 phase, 400 Volt, 1 phase - 240 Volt
- In built overload protection

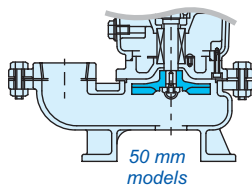
Scope

- Manual or automatic versions (all sizes)
- Cable: 6 m (0.4 to 1.5 kW), 10 m (2.2 & 3.7 kW)
- Screwed Companion flange (50 mm models)
- Discharge elbow (with screwed companion flange - 80 mm models)
- Optional Quick Discharge Connectors available



Basic Pump Model	Motor Output	Discharge Ø mm	Full Load Current		Capacity - lpm											
			240 V, 1 Ph.	415 V, 3 Ph.	80	140	180	250	320	400	500	570	800	1000	Total Head - m	
50 DVS 5.4	0.4 kW	50 mm	3.8 A		8.8	7.0	5.8	3.0								
50 DVS 5.75	0.75 kW	50 mm	6.0 A	1.7 A	13.3	11.2	9.8	7.1								
50 DVS 51.5	1.5 kW	50 mm		3.3 A	19.6	16.5	15.0	12.5	10.0							
80 DVS 5.75	0.75 kW	80 mm		1.7 A		10.7	10.0	8.6	6.7	3.8						
80 DVS 51.5	1.5 kW	80 mm		3.3 A				14.0	12.6	10.6	7.4	4.2				
80 DVS 52.2	2.2 kW	80 mm		4.6 A					15.5	14.0	12.3	10.9	5.0			
80 DVS 53.7	3.7 kW	80 mm		7.8 A					21.2	20.1	18.5	17.4	12.8	7.0		

Typical Construction



Robust cast iron construction

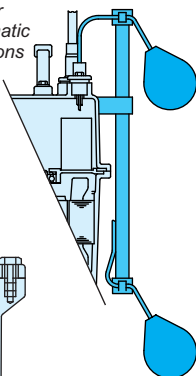
Double mechanical seal

Semi Vortex impeller

Note:
screwed companion
flange supplied

Model Code

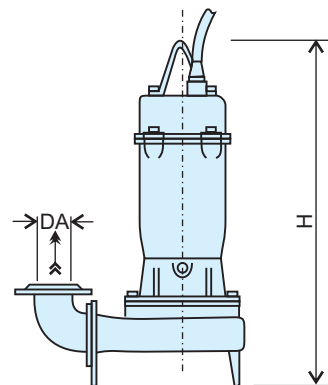
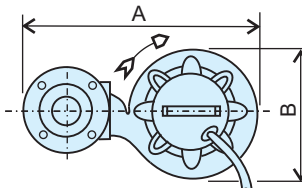
For Automatic Versions



50 DVS 5.4S

- Phase (S = single phase)
(T or blank = three phase)
- Motor output (kW)
- Frequency (5 = 50 Hz)
- Model DVS = Manual version
DVSA = Automatic version
- Discharge size (mm)

Basic Dimensions



DA	Model	A	B	H	Weight
50	50 DVS 5.4S	239	160	435	18 kg
	50 DVS 5.75S	249	171	497	26 kg
	50 DVS 5.75T	249	171	397	19 kg
	50 DVS 51.5	249	171	439	27 kg
80	80 DVS 5.75T	411	195	467	26 kg
	80 DVS 51.5	411	195	519	35 kg
	80 DVS 52.2	442	227	643	51 kg
	80 DVS 53.7	442	227	643	60 kg

Specifications subject to change without notice

Dealer



EBARA PUMPS AUSTRALIA PTY. LTD

1 Jackstaff Court
Bayswater North, Vic. 3153
Ph: 03 9761 3033

ACN 090 963 572
ABN 81 090 963 572

sales.epa@ebarapumps.com

www.ebarapumps.com.au