



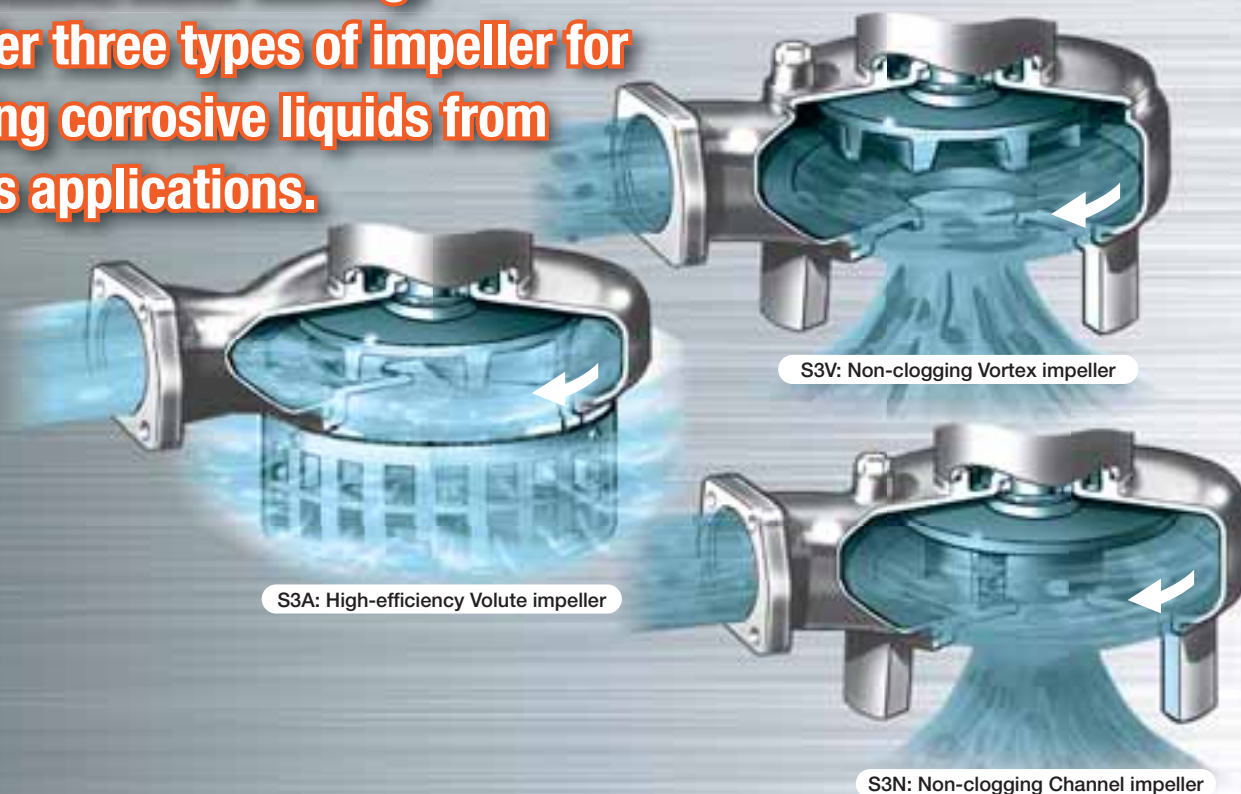
Submersible Stainless Steel Pump

S3A • S3N • S3V Series



All wetted parts are made of corrosion resistant stainless steel or stainless steel casting.

We offer three types of impeller for handling corrosive liquids from various applications.



Features

Available for handling corrosive liquids

Constructed of corrosion resistant stainless steel (SUS304 or SCS13) with adequate thickness for the wetted parts.

Extended service life

- Shaft seal...Wear resistant double mechanical seal & Oil seal
- Cable entry...Built-in core seal
- Motor...Auto-reset type thermal protector

These equipment protect the motor and realize an extended service life

Three types of impeller offered for various applications

- S3A...High-efficiency volute impeller
for handling liquids containing less solids
- S3N...Non-clogging channel impeller
for handling liquids containing solids
- S3V...Non-clogging vortex impeller
for handling liquids containing sludge or fibrous matters

Applications

- Draining effluent containing corrosive liquids
Chemical plant, Food plant, Hospital, Laboratory, etc.
- Transferring corrosive liquids in treatment processes
Industrial wastewater treatment, etc.
- Water supply and circulation
Water display, Fountain, Aquarium, etc.

Standard Specifications

Handling Liquid	Liquid Type	Wastewater and Sewage
	Temperature	0 - 32°C
Material	Cable	VCT
	Motor Shaft	SUS304 (0.25-1.5 kW) SUS316 (2.2-7.5 kW)
	Pump Casing	SCS13 (304 stainless casting)
	Impeller	
Electric Motor	Name	Air filled type submersible induction motor
	Insulation Class	Class E
	Enclosure	IP68
	Phase	3-ph
	Voltage	200 - 480V

Special Specifications

Motor Insulation	Class F
Cable Extension	Cable lengths: 10 to 30m (every 5m)
Material Changes	For the wetted parts, the material can be changed to SUS316 and SCS14 (316 stainless casting)
Motor Protector (2.2 - 7.5 kW)	-Micro thermal protector (Manual reset type) -Leakage detector

*For specifications other than the above, please consult us.

S3V

Non-clogging vortex impeller models for handling liquids containing sludge or fibrous matters



Non-clogging
vortex impeller

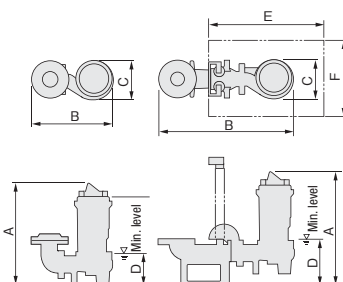
0.25~7.5kW



S3V50-S3P50

Dimensions (mm)

● Free standing ● Auto-connection



Standard Specifications

Bore mm	Model	Connection Part No.		Output kW	Phase	Capacity - Total Head m ³ /min-m		No. of Poles P	Weight (Bare Pump) kg	
		Auto- connection	Free Standing			50Hz	60Hz		S3V	S3V-D S3V-W
40	S3V40T	S3P40	S3F40	0.25	3-ph	0.1 - 4.4	0.09 - 4.3	2	19	20
50(65)	S3V50T	S3P50	S3F50	0.4	3-ph	0.14 - 4.7	0.14 - 4.3	2	20	21
	S3V50			0.75		0.17 - 7.4	0.17 - 7.3		23	24
65(80)	S3V65	S3P65	S3F65	1.5	3-ph	0.42 - 8.0	0.38 - 8.0	2	38	40
80 (65)(100)	S3V80	S3P80B	S3F80	2.2	3-ph	0.8 - 6.6	0.7 - 6.8	4	63	-
				3.7		1.0 - 8.8	0.9 - 9.5		76	-
100 (80)	S3V100	S3P100B	S3F100	5.5	3-ph	1.2 - 10.4	1.2 - 10.8	4	103	-
				7.5		[1] 1.3 - 12.8 [2] 1.3 - 12.8 [3] 0.8 - 17.5 [4] 0.8 - 18.4			117	-

* A pump with a bore within parentheses () is also provided.
[] Impeller code No.

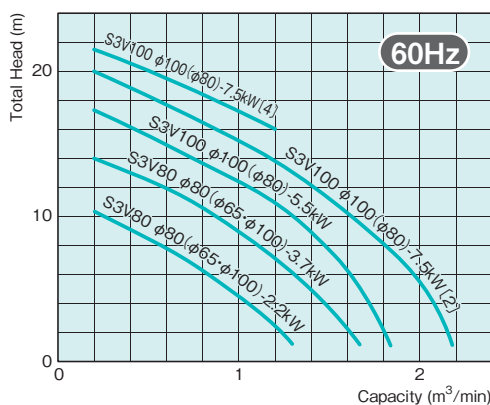
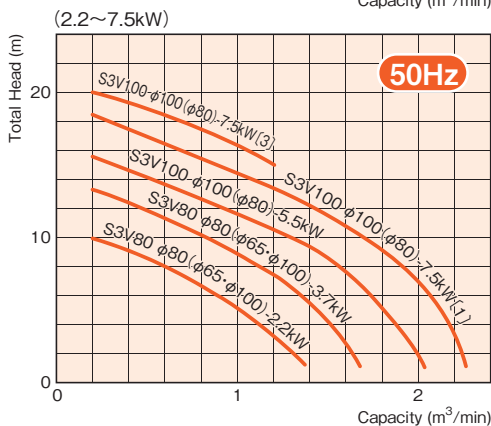
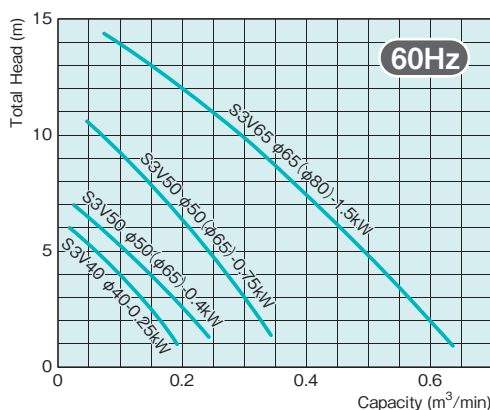
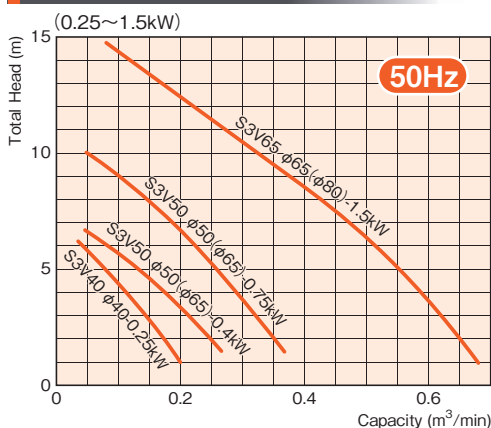
	Model	Connection Part No.	Output kW	A	B	C	D	E	F
Free standing	S3V40T	S3F40	0.25	370	245	188	100		
	S3V50 (T)	S3F50	0.4~0.75	403	245	188	115		
	S3V65	S3F65	1.5	490	418	220	125		
	S3V80	S3F80	2.2	550	524	292	190		
			3.7	612	543	331			
	S3V100	S3F100	5.5	640	618	355	190		
Auto-connection	S3V40T	S3P40	0.25	441	443	188	170	550	350
	S3V50 (T)	S3P50	0.4~0.75	461	443	188	175	550	350
	S3V65	S3P65	1.5	566	663	220	200	550	350
	S3V80	S3P80	2.2	620	830	292	260	600	500
			3.7	682	849	331		700	600
	S3V100	S3P100	5.5	710	920	355	260	700	600

Cable Specification

- 0.25~0.75kW : VCT 1.25mm²×4 cores×Outer dia. 11.5 mm×6m
- 1.5kW : VCT 1.25mm²×4 cores×Outer dia. 11.5 mm×10m
- 2.2kW : VCT 1.25mm²×4 cores×Outer dia. 11.5 mm×8m

- 3.7kW : VCT 2.0mm²×4 cores×Outer dia. 12 mm×8m
- 5.5kW : VCT 3.5mm²×4 cores×Outer dia. 14 mm×8m
- 7.5kW : VCT 5.5mm²×4 cores×Outer dia. 16.5 mm×8m

Performance Curves



[] Impeller code No.

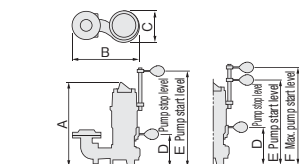
● Auto-operation models

S3V-D: Auto-operation

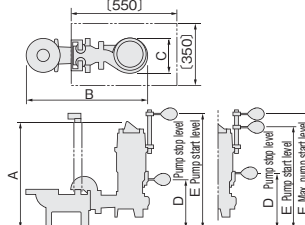
S3V-DW: Auto-alternate operation

Pump Model		
Auto-operation	Auto-alternate operation	
	Pair Name	Pump No. 1 and 2
S3V40DT	S3V40DWT	S3V40WT + S3V40DT
S3V50DT	S3V50DWT	S3V50WT + S3V50DT
S3V50D	S3V50DW	S3V50W + S3V50D
S3V65D	S3V65DW	S3V65W + S3V65D

● Free Standing



● Auto-connection (S50)



	Model	Connection Part No.	Output kW	A	B	C	D	E	F
Free standing	S3V40DT	S3F40	0.25	404	245	188	115	540	
	S3V50 (T)	S3F50	0.4~0.75	437	245	188	125	575	
	S3V65D	S3F65	1.5	548	473	220	275	745	
	S3V40WT	S3F40	0.25	404	245	188	155	490	640
	S3V50W (T)	S3F50	0.4~0.75	437	245	188	165	525	675
	S3V65W	S3F65	1.5	548	473	220	335	695	875
Auto-connection	S3V40DT	S3P40	0.25	475	443	188	185	610	
	S3V50 (T)	S3P50	0.4~0.75	495	443	188	185	635	
	S3V65D	S3P65	1.5	624	663	220	350	820	
	S3V40WT	S3P40	0.25	475	443	188	225	560	710
	S3V50W (T)	S3P50	0.4~0.75	495	443	188	225	585	735
	S3V65W	S3P65	1.5	624	663	220	410	770	950