



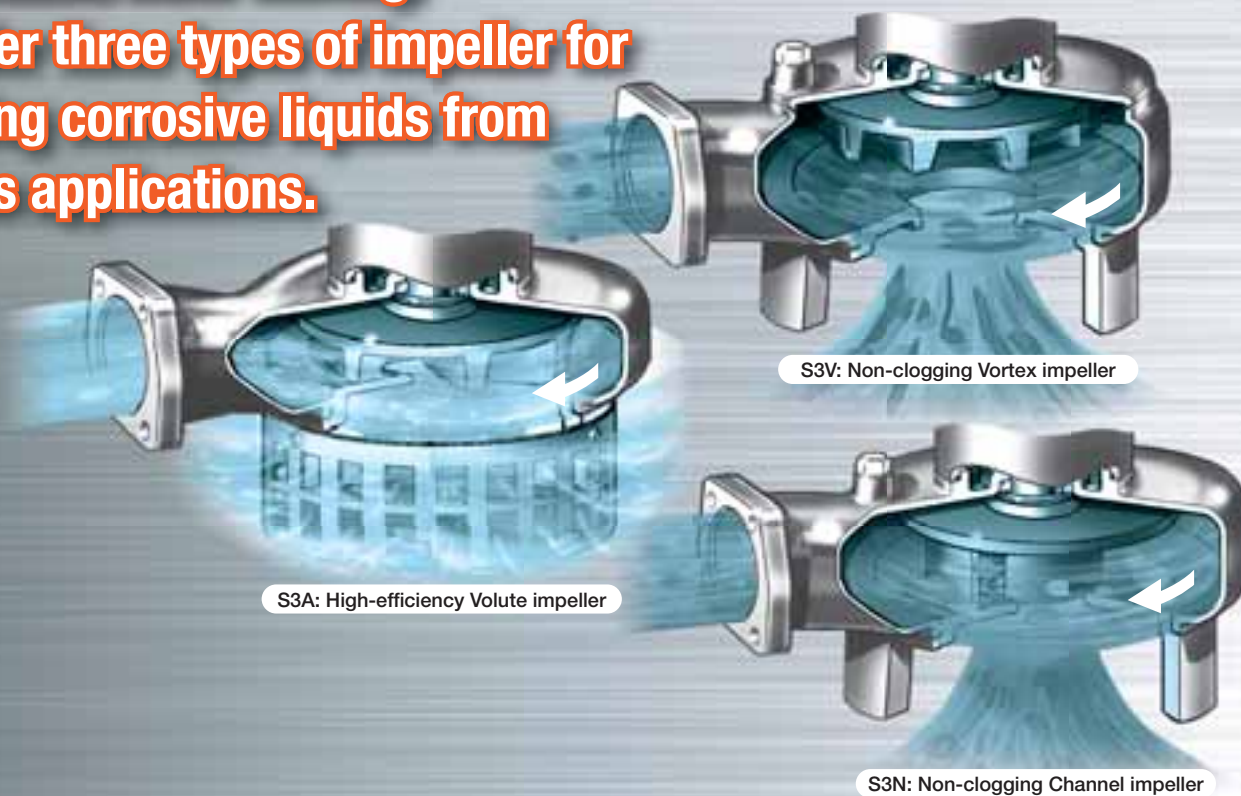
Submersible Stainless Steel Pump

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.

S3A

High-efficiency volute impeller models for handling liquids containing less solids



Volute impeller

0.25~1.5kW



S3A50-S3P50

Standard Specifications

Bore mm	Model	Connection Part No.		Output kW	Phase	Capacity - Total Head m³/min-m		No. of Poles P	Weight (Bare Pump) kg	
		Auto-connection	Free Standing			50Hz	60Hz		S3A	S3A-D S3A-W
40	S3A40T	S3P40	S3F40	0.25	3-ph	0.1 - 6.2	0.1 - 6.1	2	16.5	17.5
	S3A40D			0.4		0.05 - 12.0	0.05 - 11.9		19	20
50 (65)	S3A50T			0.4	3-ph	0.15 - 6.4	0.15 - 6.3	2	19	20
	S3A50	S3P50	S3F50	0.75		[3] 0.2 - 9.3	[4] 0.2 - 9.2		20	21
				1.5		[5H] 0.1 - 13.6	[6H] 0.1 - 13.6		37	39
				1.5		[7H] 0.2 - 17.3	[8H] 0.2 - 16.9		37	39
65(80)	S3A65	S3P65	S3F65	1.5	3-ph	0.3 - 13.1	0.3 - 13.1	2	38	40

* A pump with a bore within parentheses () is also provided.

[] Impeller code No.

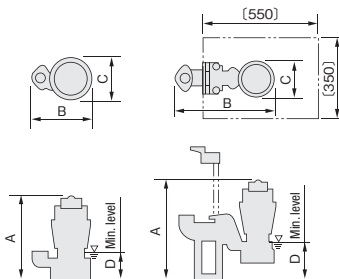
Cable Specification

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

Dimensions (mm)

● Free standing

● Auto-connection



	Model	Connection Part No.	Output kW	A	B	C	D
Free standing	S3A40T	S3F40	0.25	367	249	171	115
			0.4	387			
	S3A50 (T)	S3F50	0.4-0.75	387	249	171	115
	S3A50		1.5	482	278	190	135
	S3A65	S3F65	1.5	484	393	202	135
Auto-connection	S3A40T	S3P40	0.25	431	447	171	180
			0.4	451			
	S3A50 (T)	S3P50	0.4-0.75	451	447	171	180
	S3A50		1.5	527	476	190	180
	S3A65	S3P65	1.5	556	638	202	210

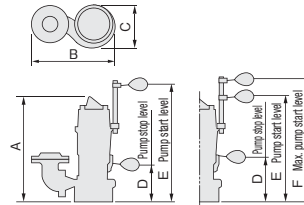
Auto-operation models

S3A-D: Auto-operation

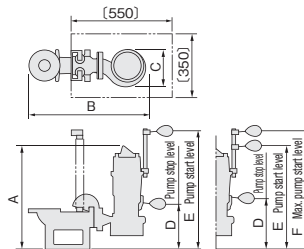
S3A-DW: Auto-alternate operation

Auto-operation	Pump Model	
	Pair Name	Pump No. 1 and 2
S3A40DT	S3A40DWT	S3A40WT + S3A40DT
S3A50DT	S3A50DWT	S3A50WT + S3A50DT
S3A50D	S3A50DW	S3A50W + S3A50D
S3A65D	S3A65DW	S3A65W + S3A65D

● Free Standing

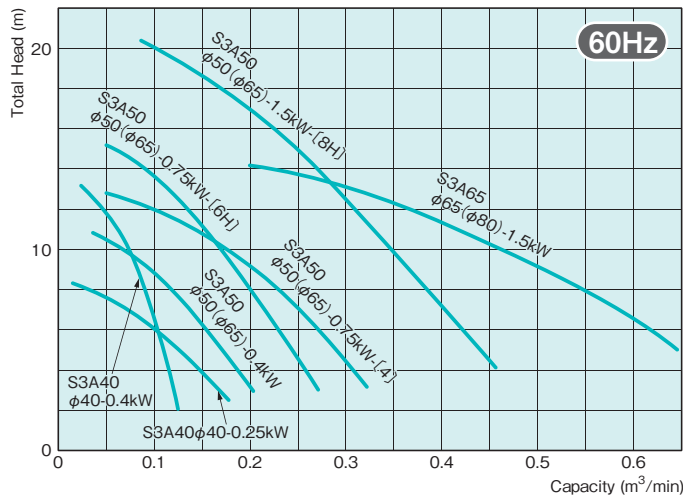
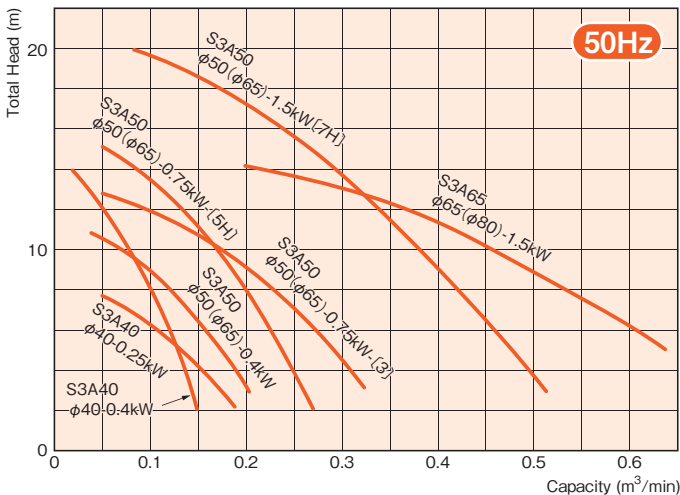


● Auto-connection



	Model	Connection Part No.	Output kW	A	B	C	D	E	F
Free standing	S3A40DT	S3F40	0.25	401	249	171	120	540	
			0.4	421				560	
	S3A50D (T)	S3F50	0.4-0.75	421	249	171	120	560	
	S3A50D		1.5	540	278	190	220	690	
	S3A65D	S3F65	1.5	542	393	202	220	690	
	S3A40WT	S3P40	0.25	401	249	171	160	490	640
			0.4	421				510	660
	S3A50W (T)	S3P50	0.4-0.75	421	249	171	160	510	660
	S3A50WT		1.5	540	278	190	280	640	820
	S3A65W	S3P65	1.5	542	393	202	280	640	820
Auto-connection	S3A40DT	S3P40	0.25	467	447	171	185	605	
			0.4	487				625	
	S3A50D (T)	S3P50	0.4-0.75	487	447	171	185	625	
	S3A50D		1.5	587	476	190	265	735	
	S3A65D	S3P65	1.5	614	638	202	290	760	
	S3A40WT	S3P40	0.25	467	447	171	225	555	705
			0.4	487				575	725
	S3A50W (T)	S3P50	0.4-0.75	487	447	171	225	575	725
	S3A50WT		1.5	587	476	190	325	685	865
	S3A65W	S3P65	1.5	614	638	202	350	710	890

Performance Curves



[] Impeller code No.