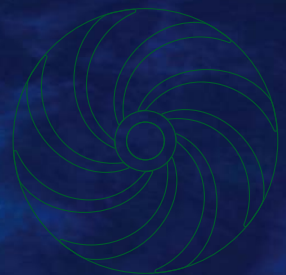


Submersible Pump for Wastewater Treatment <C/A/S3> Series



**Select the installation type and the impeller type to meet the conditions of use.
You can choose the best pump from a wide variety of models.**

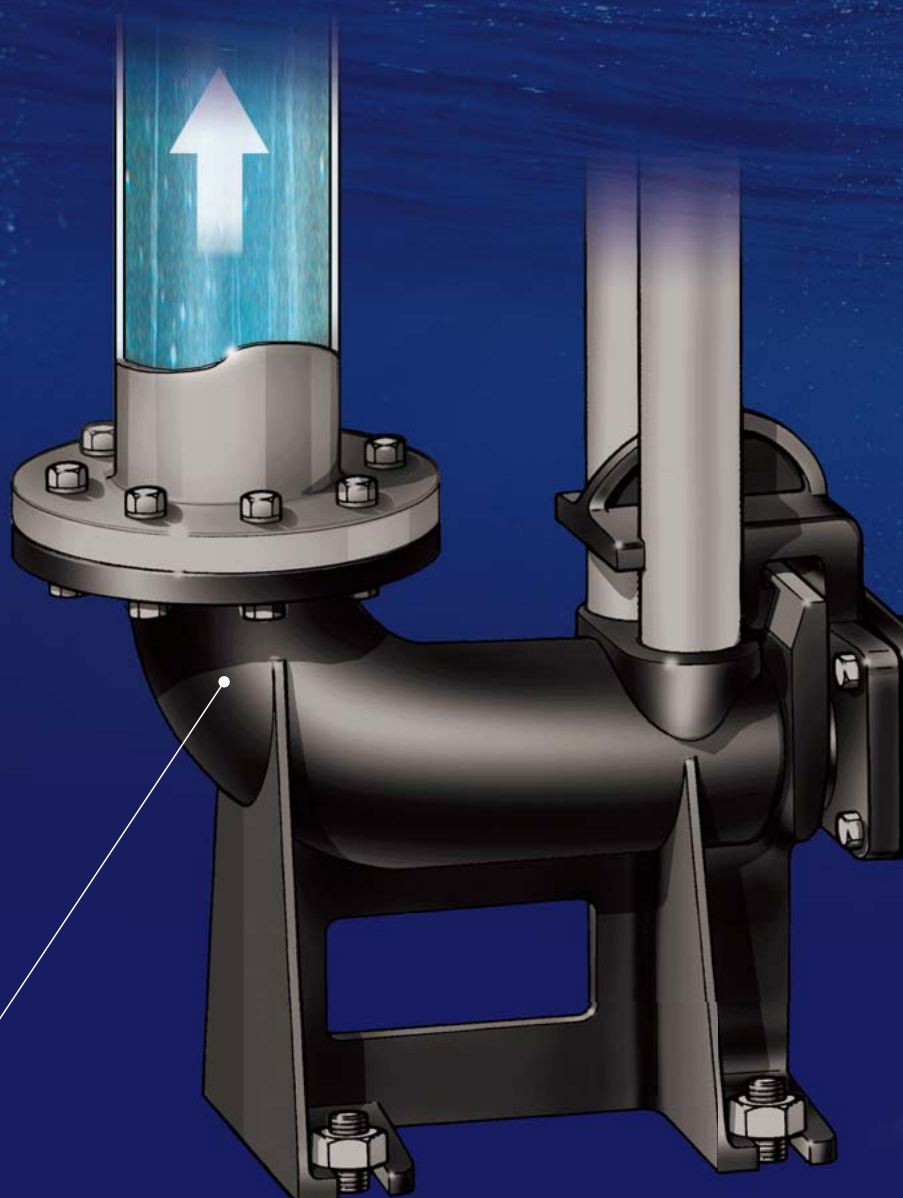
Extensive Lineup to Meet a Wide Range of Needs.

ShinMaywa C/A/S3 series submersible pumps for wastewater treatment permit selection of the installation type and the impeller type to meet the conditions where they are installed. Installation types include the guide rail installation type and the free standing type. Impeller types include the multi-vane semi-open impeller, channel impeller, vortex impeller, screw impeller, and chopper/grinder mechanism type. The lineup also includes series such as “non-clog scroll submersible pumps,” which feature high pump efficiency and high solid passage capability achieved by a newly developed impeller and pump housing that saves energy and reduces maintenance cost, and lightweight “NORUS submersible pumps” made of high-functional resin and stainless steel. Select the best pump to meet your needs.

* For the high pump efficiency and high solid passage capability “non-clog scroll submersible pumps” and high-functional resin lightweight “NORUS submersible pumps,” refer to the separate catalogs.

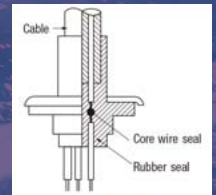
Discharge connection

The pump is automatically connected to the discharge pipe.



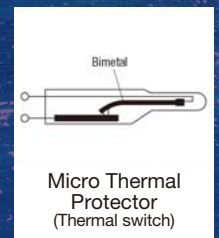
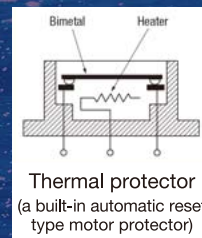
Cable entry with core wire seal

The core wire seal shuts the water out from penetrating into the motor through the core wire.



Motor protector

Thermal protector (a built-in automatic reset type motor protector) or thermal switches are embedded to the motor winding.



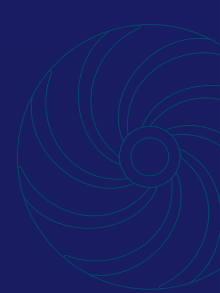
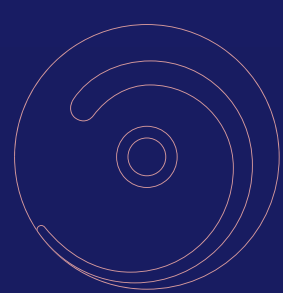
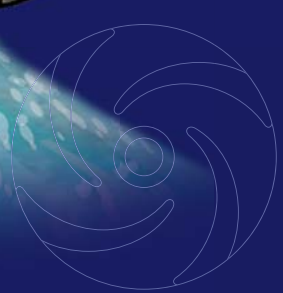
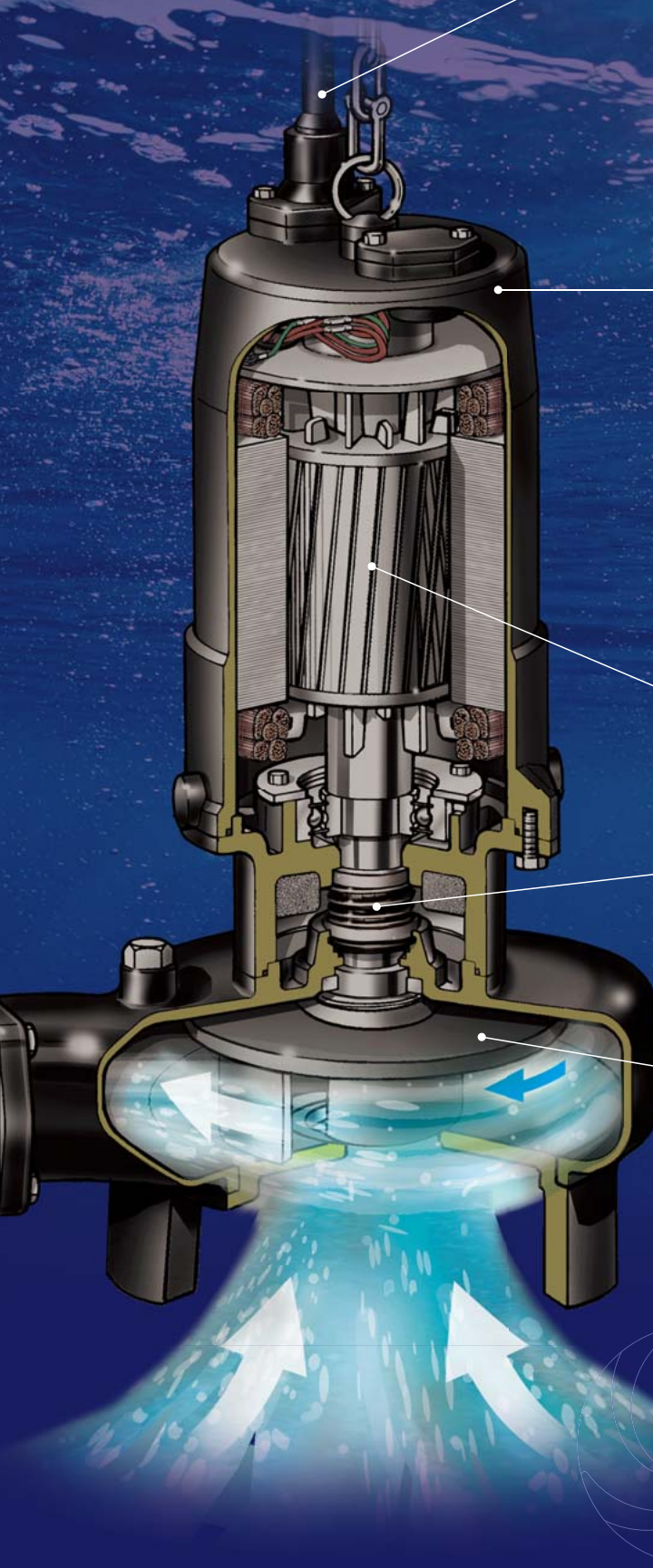
Air-filled submersible motor

Shaft seal

A highly wear resistant double mechanical seal is employed. Besides, combined use of an oil seal further extends the life. (except for some models)

Impeller

Select the impeller suitable for your application. Each impeller is dynamically balanced.



Complete Lineup of ShinMaywa Submersible Pumps for Wastewater Treatment

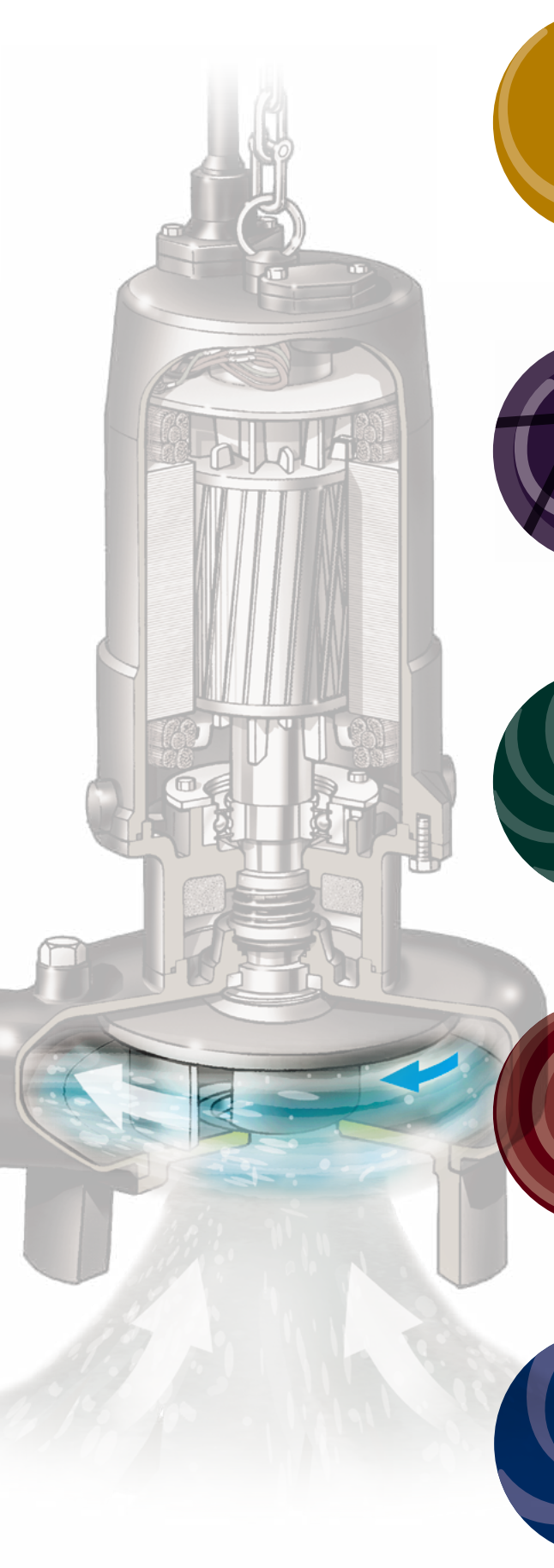
 indicate models that are featured in this catalog. For models that are not featured here, see the catalog and handbook for the model in which you are interested.

Channel impeller	CN·CN-MT·CHN Semi-open P.6, 7	CNMJ Solid size: 3-inch P.8	CN (Large discharge size) Forced cooling	CN (Large discharge size) Natural cooling	CNL 4-pole P.9	CNT Vertical dry pit type P.9	CNWX Non-clog scroll
	CNX Solid size: 3-inch Closed loop cooling	CNX Solid size: 3-inch Natural cooling					
Chopper / Cutter / Grinder pump	CJ Chopper pump P.10	CK Cutter pump P.11	CKM Grinder pump P.12				
Vortex impeller	CV·CVH P.13, 14	CVS High efficiency/high head P.15, 16	CVC Solid size: 70% of discharge size P.17	CVM Solid size: 100% of discharge size P.18			
With flywheel	CNF Channel	CWF Screw	CVF Vortex				
Screw impeller	CW·CWH P.19, 20	CWT Vertical dry pit type P.20					
Multi-vane semi-open impeller	A P.21	AH High head P.22					
Stainless steel submersible pump	S3A Multi-vane semi-open P.24	S3N Channel P.25	S3V Vortex P.26				
Axial/mixed flow	SD Mixed flow	SD-N High speed type	SA Vertical axial flow	SAH Horizontal axial flow	SAH-L Low water level type		
Float pump	FP						
Light-weight submersible pump, NORUS	CR High solid passage capability	CRS High efficiency	CRC High head				
Vertical dry pit type	CNT Channel P.9	CWT Screw P.20					

List of Models Featured in this Catalog

Impeller	Discharge size (mm)							Model	Rated output (kw)													
	150	100	80	65	50	40	32		0.25	0.4	0.75	1.0	1.2	1.5	2.2	3.7	5.5	7.5	11	15	22	
Channel impeller	●	●	●	●	●	●		CN·CN-MT·CNH Semi-open	●	●	●			●	●	●	●	●	●	●	●	
		●	●					CNMJ Solid size: 3-inch						●	●	●	●	●				
			●	●	●			CNL 4-pole	●	●	●			●								
	●	●	●	●				CNT Vertical dry pit type						●	●	●	(6/6.5)	●	(11/13)	●	●	
Chopper / Cutter / Grinder pump		●	●	●	●			CJ Chopper pump			●			●	●	●	●	●				
		●	●					CK Cutter pump								● (3.7/4.5)	● (5.5/5.9)					
					●	●	●	CKM Grinder pump		●	●	●	●	●	●	●						
Vortex impeller	●	●	●	●	●			CV·CVH		●	●			●			●	●	●	●	●	
		●	●	●	●	●		CVS High efficiency/high head	●	●	●			●	●	●	●	●	●			
		●	●	●	●	●		CVC Solid size: 70% of discharge size	●	●	●			●	●	●	●	●				
	●	●	●	●	●			CVM Solid size: 100% of discharge size		●	●			●	●	●	●	●				
Screw impeller	●	●	●	●				CW·CWH						●	●	●	●	●	●	●	●	
	●	●	●	●				CWT Vertical dry pit type						●	●	●	●	●	●	●	●	
Multi-vane semi-open impeller		●	●	●	●	●		A	●	●	●			●								
		●	●	●	●	●		AH High head		●	●			●	●	●	●	●	●			
Stainless steel submersible pump				●	●	●		S3A Multi-vane semi-open	●	●	●			●								
		●	●	●	●	●		S3N Channel	●	●	●			●	●	●	●	●				
		●	●	●	●	●		S3V Vortex	●	●	●			●	●	●	●	●				

Impeller type



Channel impeller

Provides high pump efficiency is applicable to wide range of flow rates varying and discharge heads

Transferring or discharging sewage, sludge and wastewater containing a lot of uniformly shaped solids

- Treatment processes at various wastewater treatment plants
- Pump station in the sewage/wastewater collection system
- Effluent from building facilities as sanitary equipment
- Draining stormwater from roads or underpass
- Treatment processes at industrial wastewater treatment system
- Kitchen drainage, agricultural water supply/drainage and other general drainage

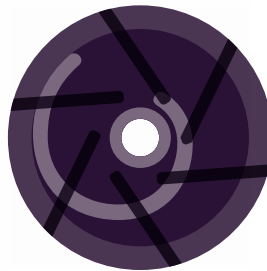


Chopper / Cutter / Grinder pump

Incorporates a mechanism to prevent solids clogging and tangling. The submersible grinder pump grinds solids.

Transferring or discharging sewage and wastewater containing solids

- As sanitary equipment and for effluent discharge from building facilities
- Pressure sewage system (submersible grinder pump)



Vortex impeller

Provides high solid passage capability, but not for high flow applications due to relatively low pump efficiency.

Transferring or discharging sewage and wastewater containing fibrous material

- Pump stations in the sewage/wastewater collection system
- Transferring and discharging sludge and scum from industrial wastewater treatment system
- Transferring and discharging sludge, wastewater containing solids from food processing plants and dairy farms
- For raw water/equalization tank at night-soil treatment plants
- For raw water/equalization tank at onsite wastewater treatment system

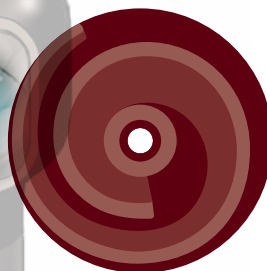


Screw impeller

Provides high pump efficiency and high solid passage capability. The screw effect makes it suitable for transferring highly concentrated sludge.

Transferring or discharging sewage and wastewater containing uniformly-shaped and fibrous material

- Transferring or discharging wastewater containing debris and sludge from various processes of wastewater treatment plants
- Pump station in the sewage/wastewater collection system
- Domestic wastewater from household, apartments or commercial buildings



Multi-vane semi-open impeller

Provides high pump efficiency and achieves high head at low power

Transferring or discharging fresh water or wastewater containing less suspended solid

- Defoaming, backwashing or filtering at onsite wastewater treatment systems
- Discharging treated water from sewage treatment plants or onsite wastewater treatment systems
- Simple agricultural or gardening use
- Draining stormwater, sewage water or spring water
- Draining stormwater or spring water from underpass or tunnels
- Effluent from buildings, factories, garages or basements



Channel impeller



For sewage and wastewater containing a large amount of uniformly shaped solids and sludge
Applicable to a wide range of flow rates varying and discharge heads

CN-MT



0.25 to 1.5kW



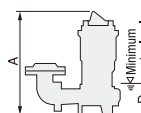
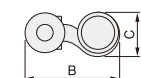
CN651-MT-F65



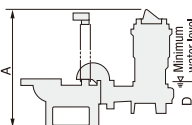
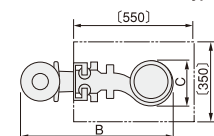
CN651-MT-P65

Dimensions (Unit:mm)

● Free standing type



● Guide rail installation type



Standard Specifications

Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg
		Guide rail installation	Free standing			50Hz	60Hz		50Hz	60Hz	
40	CN401T-MT	P40	F40	0.25	3	0.1 — 5.5	0.1 — 5.5	2	21	20	17
50	CN501T-MT	P50	F50	0.4	3	0.15 — 6.0	0.15 — 6.0	2	28	24	17
	CN501-MT			0.75		0.2 — 8.2	0.2 — 7.5		30	29	18
65	CN501T-MT	P65B	F65B	0.4	3	0.15 — 6.0	0.15 — 6.0	2	28	24	17
	CN501-MT			0.75		0.2 — 8.2	0.2 — 7.5		30	29	18
	CN651-MT			1.5		0.4 — 10.6	0.4 — 10.0		41	33	29
80	CN651-MT	P80	F80	1.5	3	0.4 — 10.6	0.4 — 10.0	2	41	33	29

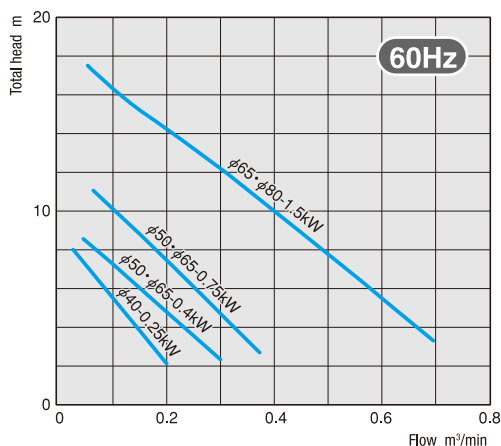
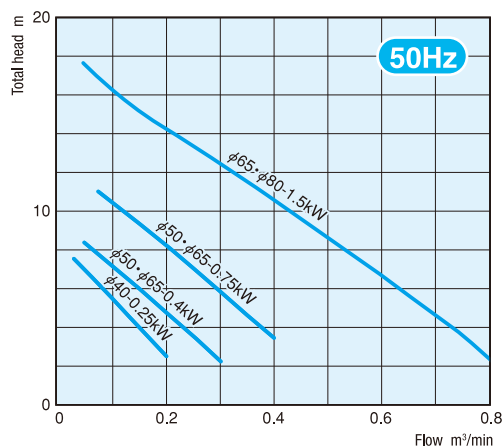
* The starting method is direct-on-line. Note: Please inform us of the pump model and installation kit number.

	Pump model	Installation kit No.	Rated output kW	A	B	C	D
Free standing type	CN401T-MT	F40	0.25	414	249	170	135
	CN501 (T)-MT	F50	0.4	414	249	170	135
	CN651-MT	F65B	0.75	418	433	192	140
		F80	1.5	454	433	192	140
	CN501T-MT	P40	0.25	460	447	170	180
Guide rail installation type	CN501 (T)-MT	P50	0.4	460	447	170	180
	CN651-MT	P65B	0.75	520	520	170	180
		P65	1.5	530	663	192	215
	CN651-MT	P80	1.5	570	739	192	255

Cable specifications

- 0.25~0.75kW: VCT 1.25mm²×4cores outer dia.φ11.5mm 6m
- 1.5kW : VCT 1.25mm²×4cores outer dia.φ11.5mm 8m
- * VCT: PVC insulated PVC sheathed cable

Performance Curves 0.25 to 1.5kW



* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.

CN·CN-MT·CNH

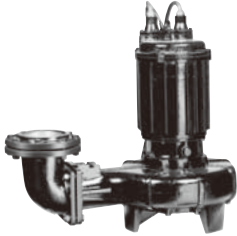


● Semi-open Type



● Closed Type (CNH100·CN150(-MT))

2.2 to 22kW



CN150(-MT)-F150



CN150(-MT)-P150

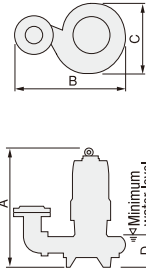
Standard Specifications

Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg
		Guide rail installation	Free standing			50Hz	60Hz		50Hz	60Hz	
65	CN80-MT	P65	F65	2.2	3	0.8 - 8.4	0.8 - 8.6	4	54	51	58
				3.7		(1) 1.0 - 11.8 (3) 0.8 - 14.4	1.0 - 11.8		53	54	70
	CN80-MT			2.2	3	0.8 - 8.4	0.8 - 8.6	4	54	51	58
				3.7		(1) 1.0 - 11.8 (3) 0.8 - 14.4	1.0 - 11.8		53	54	70
80	CN80-MT	P80B	F80	2.2	3	0.8 - 8.4	0.8 - 8.6	4	54	51	58
				3.7		(1) 1.0 - 11.8 (3) 0.8 - 14.4	1.0 - 11.8		53	54	70
	CN100-MT			5.5	3	(1) 1.2 - 12.9 (3) 0.9 - 18.0	(2) 1.2 - 13.6 (4) 0.9 - 18.0	4	60	53	95
				7.5		(1) 1.4 - 15.2 (3) 1.0 - 21.8	(2) 1.4 - 16.7 (4) 1.0 - 22.5		60	53	108
100	CN80-MT			2.2	3	0.8 - 8.4	0.8 - 8.6	4	54	51	58
				3.7		(1) 1.0 - 11.8 (3) 0.8 - 14.4	1.0 - 11.8		53	54	70
	CN100-MT	P100B	F100	5.5	3	(1) 1.2 - 12.9 (3) 0.9 - 18.0	(2) 1.2 - 13.6 (4) 0.9 - 18.0	4	60	53	95
				7.5		(1) 1.4 - 15.2 (3) 1.0 - 21.8	(2) 1.4 - 16.7 (4) 1.0 - 22.5		60	53	108
150	CNH100	P100C	F100B	11	3	1.57 - 22	1.58 - 22	4	54	51	216
				15		1.9 - 26	1.86 - 26		55	52	230
	CN150-MT			5.5	3	2.0 - 10.0	1.96 - 10.0	4	70	65	122
				7.5		2.48 - 12.0	2.33 - 12.0		75	70	134
150	CN150-MT	P150	F150	11	3	2.54 - 16.0	2.6 - 16.0	4	64	57	215
				15		2.87 - 19.0	3.0 - 19.0		70	62	228
	CN150			22	3	3.60 - 22.0	3.86 - 22.0	4	76	67	326

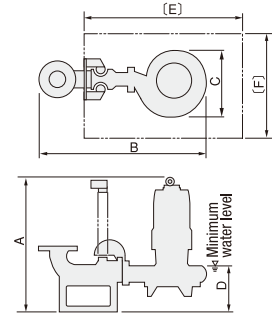
* The starting method is direct-on-line for 7.5 kW or less and star-delta for 11 kW and over. () indicates the impeller number.
Note: Please inform us of the pump model and installation kit number.

Dimensions (Unit: mm)

● Free standing type



● Guide rail installation type



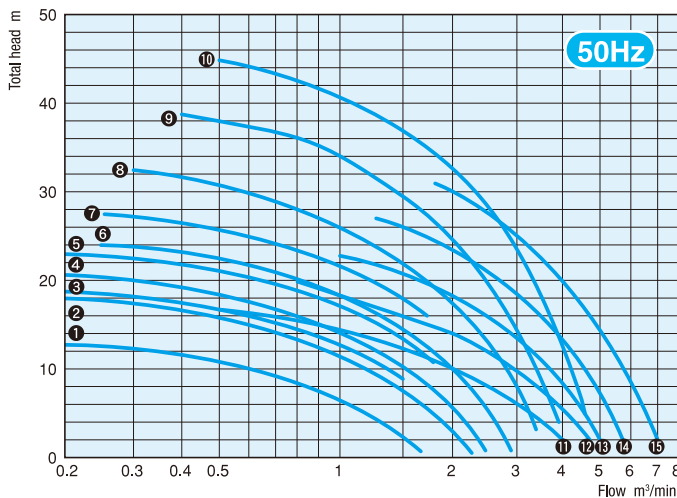
	Free standing type							Guide rail installation type								
	Pump model	Installation kit No.	Rated output kW	A	B	C		D	Pump model	Installation kit No.	Rated output kW	A	B		C	D
	CN80 -MT	F65	2.2	554	509	292	190	CN80 -MT	P65	2.2	584	754	292	220	600	500
			3.7	615	528	331				700	600					
		F80	2.2	554	524	292			260	P80B	2.2	624	830	292	600	500
			3.7	615	543	331					700	600				
		F100	2.2	554	541	292			P100B	2.2	624	843	292	600	500	
			3.7	615	560	331				700	600					
	CN100 -MT	F80	5.5	640	601	355	190	CN100 -MT	P80B	5.5	710	907	355	260	700	600
			7.5	685	616	387				7.5	755	922	387			
		F100	5.5	640	618	355			P100B	5.5	710	920	355			
			7.5	685	633	387				7.5	755	935	387			
	CNH100	F100B	11	782	848	486	255	CNH100	P100C	11	861	1,110	486	335	900	700
			15	876	870	529				15	955	1,132	529			
22			876	870	529	22				955	1,132	529				
CN150 -MT	F150	5.5	713	836	400	260	CN150 -MT	P150	5.5	779	1,094	400	325	900	700	
		7.5	758	836	400	260			7.5	824	1,094	400	325			
CN150		11,15	805	890	450	280	CN150		11,15	871	1,148	450	345			
		22	915	930	489	295			22	967	1,188	489				

Cable specifications

- 2.2kW: VCT 1.25mm²×4 cores outer dia.φ11.5mm 8m
- 3.7kW: VCT 1.25mm²×4 cores outer dia.φ12 mm 8m
- 5.5kW: VCT 2.0 mm²×4 cores outer dia.φ14 mm 8m
- 7.5kW: VCT 3.5 mm²×4 cores outer dia.φ16.5mm 8m
- 11kW: 2PNCT 1.25mm²×2 cores outer dia.φ9.8 mm 8m
- 15kW: 2PNCT 5.5 mm²×3 cores outer dia.φ15.5mm 8m
- 22kW: 2PNCT 5.5 mm²×4 cores outer dia.φ17 mm 8m
- 15kW: 2PNCT 1.25mm²×2 cores outer dia.φ9.8 mm 8m
- 22kW: 2PNCT 8.0 mm²×3 cores outer dia.φ17 mm 8m
- 22kW: 2PNCT 8.0 mm²×4 cores outer dia.φ18.5mm 8m
- 22kW: 2PNCT 1.25mm²×2 cores outer dia.φ9.8 mm 8m
- 22kW: 2PNCT 14 mm²×3 cores outer dia.φ20 mm 8m
- 22kW: 2PNCT 14 mm²×4 cores outer dia.φ22 mm 8m

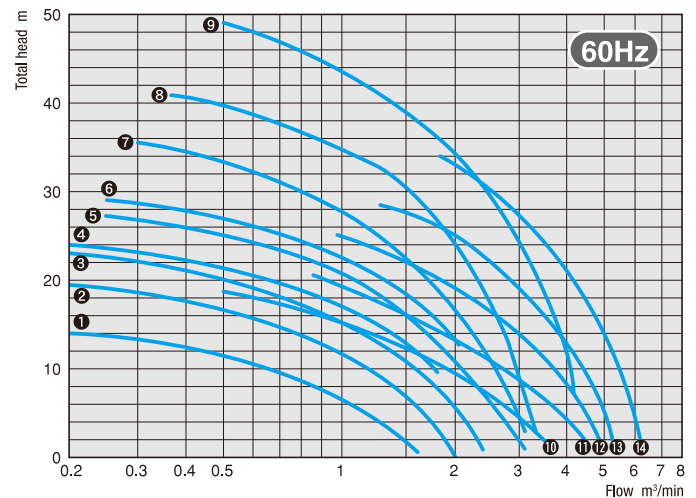
* VCT: PVC insulated PVC sheathed cable
2PNCT: EPR insulated PCP sheathed cable

Performance Curves 2.2 to 22kW



- ① CN80-MT φ65·φ80·φ100-2.2kW
- ② CN80-MT φ65·φ80·φ100-3.7kW [1]
- ③ CN80-MT φ65·φ80·φ100-3.7kW [3]
- ④ CN100-MT φ80·φ100-5.5kW [1]
- ⑤ CN100-MT φ80·φ100-5.5kW [3]
- ⑥ CN100-MT φ80·φ100-7.5kW [1]
- ⑦ CN100-MT φ80·φ100-7.5kW [3]
- ⑧ CNH100 φ100-11kW
- ⑨ CNH100 φ100-15kW
- ⑩ CNH100 φ100-22kW
- ⑪ CN150-MT φ150-5.5kW
- ⑫ CN150-MT φ150-5.5kW [2]
- ⑬ CN150 φ150-11kW
- ⑭ CN150 φ150-15kW
- ⑮ CN150 φ150-22kW

() indicates the impeller number



- ① CN80-MT φ65·φ80·φ100-2.2kW
- ② CN80-MT φ65·φ80·φ100-3.7kW
- ③ CN100-MT φ80·φ100-5.5kW [2]
- ④ CN100-MT φ80·φ100-5.5kW [4]
- ⑤ CN100-MT φ80·φ100-7.5kW [2]
- ⑥ CN100-MT φ80·φ100-7.5kW [4]
- ⑦ CNH100 φ100-11kW
- ⑧ CNH100 φ100-15kW
- ⑨ CNH100 φ100-22kW
- ⑩ CN150-MT φ150-5.5kW
- ⑪ CN150-MT φ150-7.5kW
- ⑫ CN150 φ150-11kW
- ⑬ CN150 φ150-15kW
- ⑭ CN150 φ150-22kW

() indicates the impeller number

* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.

CNMJ



● Solid passage size 80mm with chopper mechanism

1.5 to 7.5kW



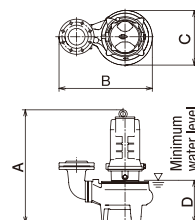
CNMJ80-F80



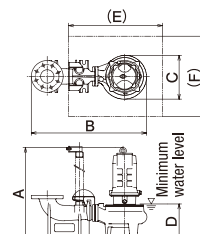
CNMJ80-P80B

Dimensions (Unit:mm)

● Free standing type



● Guide rail installation type



Standard Specifications

Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (mm)		Pump weight kg
		Guide rail installation	Free standing			50Hz	60Hz		50Hz	60Hz	
80	CNMJ80	P80B	F80	1.5	3	0.8-5.2	-	4	80	80	63
				2.2		0.9-7.1	0.9-6.8				69
				3.7		1.1-9.9	1.1-9.6				81
	CNMJ100			5.5		1.5-11.6	1.5-11.3				105
				7.5		1.7-13.7	1.7-13.9				116
				1.5		0.8-5.2	-				63
100	CNMJ80	P100B	F100	2.2		0.9-7.1	0.9-6.8	4	80	80	69
				3.7		1.1-9.9	1.1-9.6				81
				5.5		1.5-11.6	1.5-11.3				105
	CNMJ100			7.5		1.7-13.7	1.7-13.9				116
				1.5		0.8-5.2	-				63
				2.2		0.9-7.1	0.9-6.8				69

* The starting method is direct-on-line. Note: Please inform us of the pump model and installation kit number.

Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F	Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
Free standing type	F80	1.5	541	-	-	-	-	-	Guide rail installation type	P80B	1.5	619	847	-	-	-	-
	F100		558	-	-	-	-	-		P100B		861	-	-	-	-	-
	F80	2.2	615	327	260	-	-	-		P80B	2.2	627	847	327	270	-	-
	F100		558	-	-	-	-	-		P100B		861	-	-	-	-	-
	F80	3.7	541	-	-	-	-	-		P80B	3.7	689	847	-	700	600	-
	F100		558	-	-	-	-	-		P100B		861	-	-	-	-	-
Guide rail installation type	F80	5.5	619	-	-	-	-	-	CNMJ100	P80B	5.5	724	926	-	-	-	-
	F100		637	394	265	-	-	-		P100B		939	394	275	-	-	-
	F80	7.5	619	-	-	-	-	-		P80B	7.5	926	-	-	-	-	-
	F100		637	-	-	-	-	-		P100B		939	-	-	-	-	-
	F80	7.5	747	-	-	-	-	-		P80B	7.5	759	926	-	-	-	-
	F100		637	-	-	-	-	-		P100B		939	-	-	-	-	-

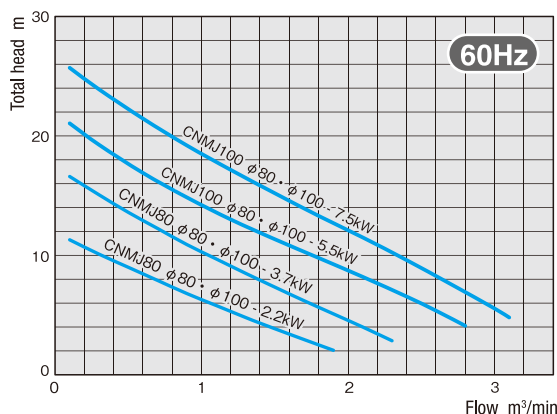
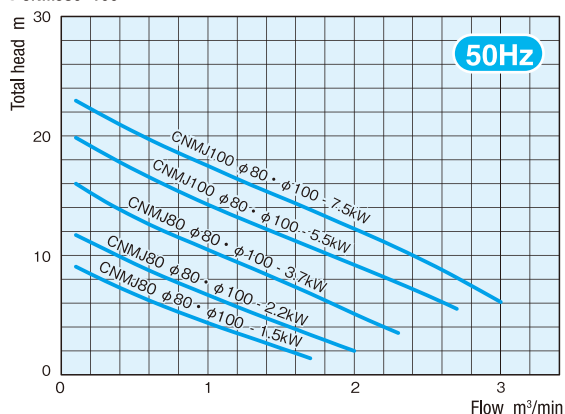
Cable specifications

- CNMJ80: ● 1.5 kW: VCT 1.25 mm² 4 Cores outer dia.φ11.5 mm 8 m ● 2.2 kW: VCT 1.25 mm² 4 Cores outer dia.φ11.5 mm 8 m ● 3.7 kW: VCT 2.0 mm² 4 Cores outer dia.φ12 mm 8 m
- CNMJ100: ● 5.5 kW: VCT 2.0 mm² 4 Cores outer dia.φ12 mm 8 m ● 7.5 kW: VCT 3.5 mm² 4 Cores outer dia.φ14 mm 8 m

* Longer cable with 10-30 m (every 5 m) is available as an option.
* VCT: PVC insulated PVC sheathed cable

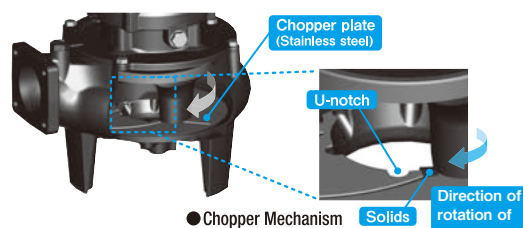
Performance Curves

● CNMJ80・100



Pass-through test

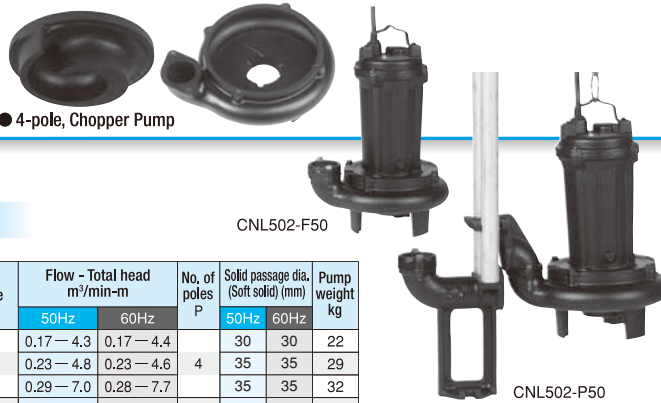
	Tennis ball φ66	Sanitary items	Plastic bag	Steel can φ53×L105mm	Plastic bottle 500ml
★★★★ = Excellent ★★★ = Very good ★★ = Good ★ = Poor/Normal					
CNWX	★★★★	★★★★	★★★★	★★★★	★★★★
CNMJ	★★★★	★★★★	★★★★	★★★★	★★★★
CN/CJ	★	★★	★★	★	★



Brand new chopper mechanism using a chopper plate.

CNL

● 4-pole, Chopper Pump



CNL502-F50

CNL502-P50

10.25 to 1.5kW

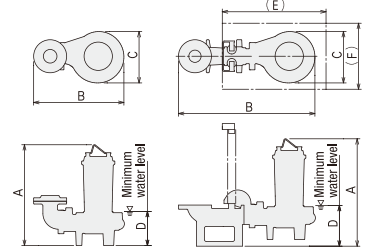
Standard Specifications

Discharge mm	Pump model	Installation kit No. Guide rail installation	Free standing	Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles P	Solid passage dia. (Soft solid) (mm)		Pump weight kg
						50Hz	60Hz		50Hz	60Hz	
						0.17 - 4.3	0.17 - 4.4		30	30	
50	CNL502	P50	F50	0.25	3	0.23 - 4.8	0.23 - 4.6	4	35	35	29
				0.4		0.29 - 7.0	0.28 - 7.7		35	35	
				0.75		0.23 - 4.8	0.23 - 4.6		35	35	
65	CNL502	P65B	F65B	0.4	3	0.29 - 7.0	0.28 - 7.7	4	35	35	32
				0.75		0.60 - 7.8	0.56 - 8.1		46	46	
				1.5		0.60 - 7.8	0.56 - 8.1		46	46	
80	CNL652	P80	F80	1.5	3			4	46	46	50

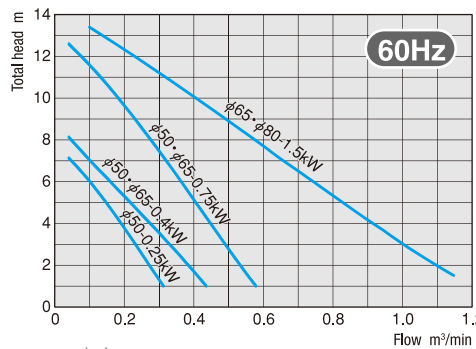
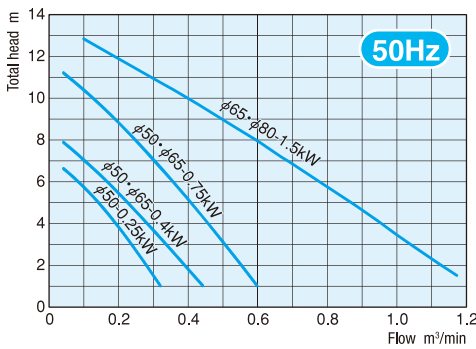
* The starting method is direct-on-line. Note: Please inform us of the pump model and installation kit number.

Dimensions (Unit:mm)

● Free standing type ● Guide rail installation type



Performance Curves



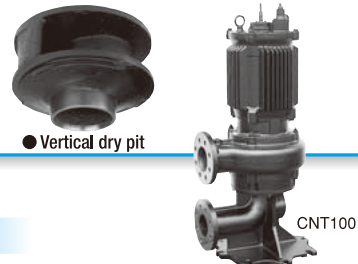
Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
			mm	mm	mm	mm	mm	mm
Free standing type	CNL502	0.25	381	292	207	120	-	-
		0.4-0.75	449	312	253	140	-	-
		1.5	535	479	273	180	-	-
Guide rail installation type	CNL502	0.25	421	490	207	160	550	350
		0.4-0.75	473	510	253	165	550	350
		1.5	570	724	273	215	550	350
	CNL652		610	800	273	255	600	500

Cable specifications

- 0.25~0.75kW: VCT 1.25mm²×4cores outer dia.φ11.5mm 6m
- 1.5kW : VCT 1.25mm²×4cores outer dia.φ11.5mm 8m
- * VCT: PVC insulated PVC sheathed cable

CNT

● Vertical dry pit



CNT1001

1.5 to 22kW

Standard Specifications

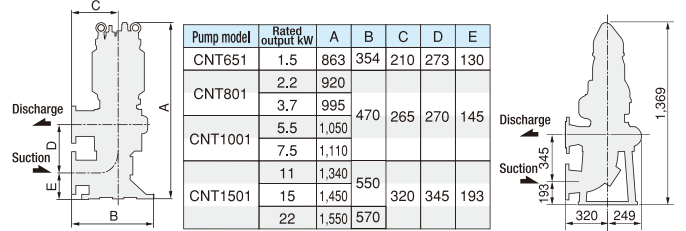
Discharge size mm	Suction size mm	Pump model	Rated output kW		Phase	Flow - Total head m ³ /min-m		No. of poles P	Solid passage dia. (Soft solid) (mm)		Pump weight kg
			50Hz	60Hz		50Hz	60Hz		50Hz	60Hz	
65	80	CNT651	1.5	1.5	3	0.75 - 6.5	0.65 - 7.0	4	56	56	130
			2.2	2.2		0.90 - 6.7	0.84 - 7.1		70	70	
80	100	CNT801	3.7	3.7	3	1.18 - 10.1	1.14 - 9.9	4	70	70	230
			5.5	5.5		1.50 - 11.6	1.49 - 11.6		70	70	
100	125	CNT1001	7.5	7.5	3	1.79 - 14.0	1.70 - 14.5	4	70	70	300
			11	11		2.5 - 15.0	2.5 - 15.2		64	57	
	200	CNT1501	15	15	3	2.9 - 17.0	2.9 - 16.8	4	70	62	610
			22	22		3.5 - 21.2	3.4 - 22.7		76	67	
150			6	6.5	3	(40) 2.5 - 6.0	(10) 2.8 - 6.8	6	92	92	230
						(30) 2.5 - 7.7	(40) 2.8 - 8.8		92	92	
	150	CNT150B	11	13		(20) 2.5 - 11.0	(15) 2.8 - 11.8	4	90	90	230
						(10) 2.5 - 13.5	(80) 1.8 - 22.8		50	50	

* The starting method is direct-on-line for 7.5 kW or less and star-delta for 11 kW and over. () indicates the impeller number.
* Please consult with us for custom production with a discharge size of 200 mm or more.

Dimensions (Unit:mm)

CNT651 to CNT1501

(CNT150B only)



Cable specifications

CNT651 to 1501

For motor

- 1.5-2.2kW: VCT 1.25mm²×4cores outer dia.φ11.5mm 8m
- 3.7kW : VCT 2.0 mm²×4cores outer dia.φ12.0mm 8m
- 5.5kW : VCT 3.5 mm²×4cores outer dia.φ14.0mm 8m
- 7.5kW : VCT 5.5 mm²×4cores outer dia.φ16.5mm 8m
- 11kW: 2PNC 5.5 mm²×4cores outer dia.φ17 mm 8m
- 15kW: 2PNC 5.5 mm²×3cores outer dia.φ15.5mm 8m
- 22kW: 2PNC 8.0 mm²×4cores outer dia.φ18.5mm 8m
- 22kW: 2PNC 8.0 mm²×3cores outer dia.φ17 mm 8m
- 22kW: 2PNC 14 mm²×4cores outer dia.φ22 mm 8m
- 22kW: 2PNC 14 mm²×3cores outer dia.φ20 mm 8m

For protector

2PNC 1.25mm²×2cores outer dia.φ 9.8mm 8m

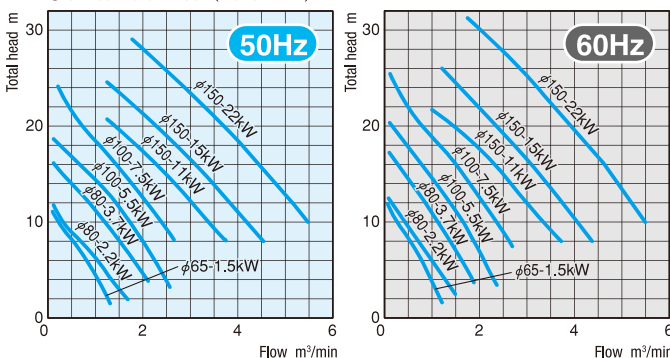
CNT150B only

2PNC 8.0 mm²×4cores outer dia.φ18.5mm 16m

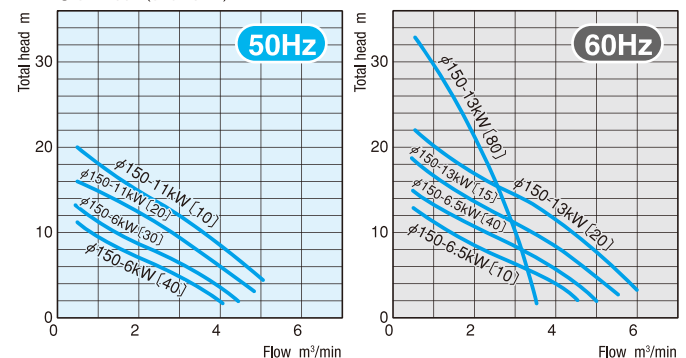
* VCT: PVC insulated PVC sheathed cable
2PNC: EPR insulated PCP sheathed cable

Performance Curves

● CNT651 to CNT1501 (1.5 to 22kW)



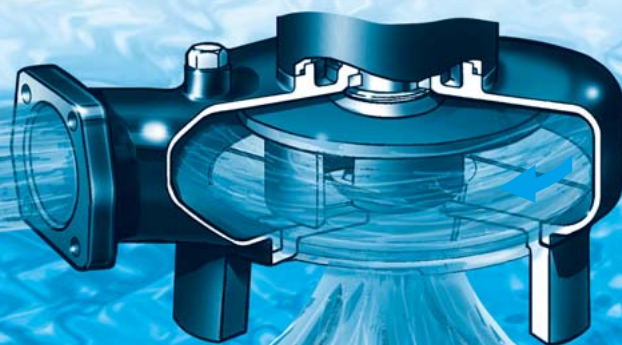
● CNT150B (6 to 13kW)



* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.

() indicates the impeller number.

Chopper pump that prevents clogging

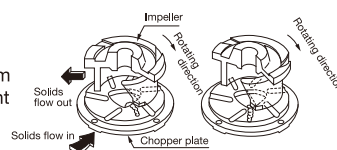


Incorporates a chopper mechanism that cuts solids. A variety of models are available depending on the installation method and operation method.

CJ



Chopper mechanism
Incorporates a chopper mechanism at the pump suction port to prevent clogging and tangling.



10.75 to 7.5kW



CJ651-F65



CJ651-P65

Standard Specifications

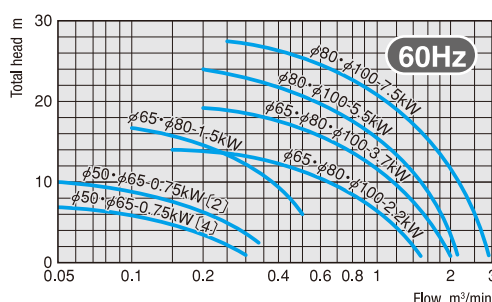
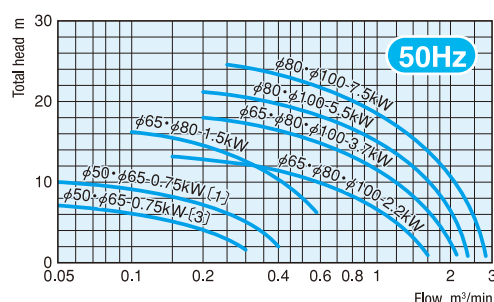
Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m³/min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg	
		Guide rail installation	Free standing			50Hz	60Hz		50Hz	60Hz	CJ	CJ-D CJ-W
50	CJ501	P50	F50	0.75	3	(1) 0.2 — 7.2	(2) 0.2 — 6.1	2	30	29	19.5	—
65	CJ501	P65B	F65B	0.75	3	(1) 0.2 — 7.2	(2) 0.2 — 6.1	2	30	29	19.5	—
	CJ651	P65	F65	(3) 0.15 — 5.1		(4) 0.15 — 4.9	4	41	33	29	31	
	CJ80			0.4 — 10.2		0.4 — 9.3		54	53	58	—	
				3.7		1.0 — 11.7		1.0 — 11.8	53	54	70	—
80	CJ651	P80	F80	1.5	3	0.4 — 10.2	0.4 — 9.3	2	41	33	29	31
	CJ80	2.2		0.8 — 8.2		0.8 — 8.5	54	53	58	—		
		3.7		1.0 — 11.7		1.0 — 11.8	53	54	70	—		
		CJ100		5.5		1.2 — 13.6	1.2 — 13.6	60	53	95	—	
100	CJ80	P100B	F100	7.5	3	1.4 — 15.6	1.4 — 17.4	4	60	108	—	—
				2.2		0.8 — 8.2	0.8 — 8.5		54	53	58	—
				3.7		1.0 — 11.7	1.0 — 11.8		53	54	70	—
				5.5		1.2 — 13.6	1.2 — 13.6		60	53	95	—
100	CJ100	P100B	F100	7.5	3	1.4 — 15.6	1.4 — 17.4	4	60	108	—	—
				7.5		1.4 — 15.6	1.4 — 17.4		60	108	—	—

* The starting method is direct-on-line. () indicates the impeller number.
Note: Please inform us of the pump model and installation kit number.

Cable specifications

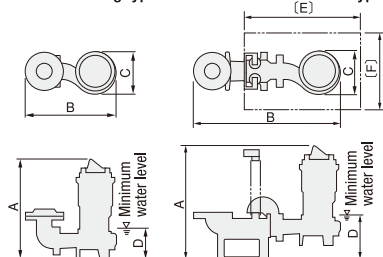
● 0.75kW: VCT 1.25mm²×4cores outer dia.φ11.5mm 6m ● 3.7kW: VCT 2.0mm²×4cores outer dia.φ12m 8m
● 1.5kW: VCT 1.25mm²×4cores outer dia.φ11.5mm 8m ● 5.5kW: VCT 3.5mm²×4cores outer dia.φ14m 8m
● 2.2kW: VCT 1.25mm²×4cores outer dia.φ11.5mm 8m ● 7.5kW: VCT 5.5mm²×4cores outer dia.φ16.5mm 8m
* VCT: PVC insulated PVC sheathed cable

Performance Curves



Dimensions (Unit:mm)

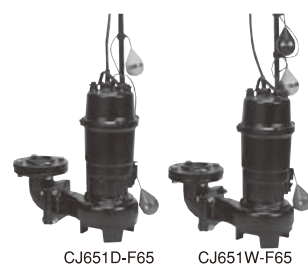
● Free standing type ● Guide rail installation type



Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
Free standing type	CJ501	F50	0.75	414	276	135	-	-
	F65B	1.5	454	371	192	140	-	-
	F65	2.2	550	509	292	-	-	-
	F80	3.7	612	528	331	-	-	-
Guide rail installation type	CJ80	F80	2.2	550	524	292	190	-
	F100	3.7	612	543	331	-	-	-
	F100	5.5	640	601	355	-	-	-
	F100	7.5	675	616	387	-	-	-
Guide rail installation type	CJ501	P50	0.75	460	474	180	550	350
	P65B	1.5	530	663	570	215	550	350
	P65	2.2	580	754	292	220	600	500
	P80B	3.7	642	773	331	220	600	500
Guide rail installation type	CJ80	P80B	2.2	620	830	292	600	500
	P100B	3.7	682	849	331	260	700	600
	P100B	5.5	710	907	355	260	700	600
	P100B	7.5	745	922	387	260	700	600

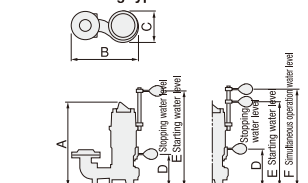
Auto operation <CJ-D>

Auto-alternate operation <CJ-DW>

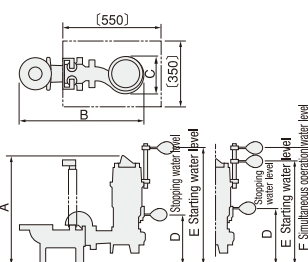


Pump model		
Auto operation	Auto-alternate operation	
Pair name	Pump No. 1 and 2	
CJ651D	CJ651DW	CJ651W+CJ651D

Free standing type



Guide rail installation type



Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
Free standing type	CJ651D	F65	1.5	512	418	224	190	670
	F80	2.2	512	418	224	225	630	710
Guide rail installation type	CJ651W	P65	1.5	588	663	224	265	745
	P80	2.2	628	739	300	305	785	785
Guide rail installation type	CJ651D	P65	1.5	588	663	224	340	745
	P80	2.2	628	739	300	340	745	825

* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.

Cutter pump with strong cutting force



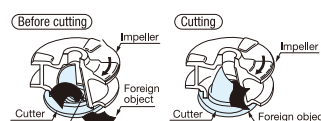
Able to cut large foreign objects, such as towels and stockings, in wastewater.
This guide rail installation type submersible pump prevents pipe-clogging.

CK



Cutting mechanism

The pump transfers wastewater while cutting foreign objects with a carbide tip mounted to the suction port side of a single-vane channel impeller and a cutter mounted to the suction port.

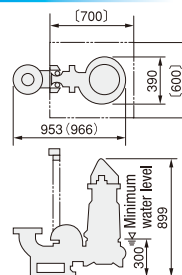


3.7 to 5.9kW



CK80/100

Dimensions (Unit:mm)



() indicates the P100E.

Standard Specifications

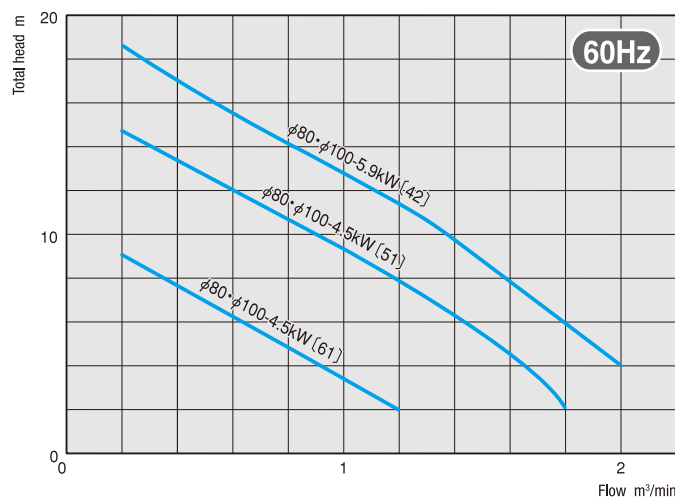
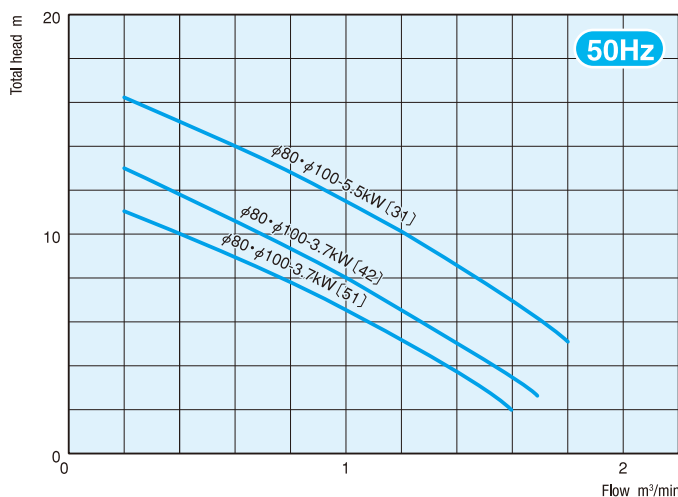
Discharge mm	Pump model	Installation kit No.	Rated output kW		Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg
			50Hz	60Hz		50Hz	60Hz		50Hz	60Hz	
80	CK80/100	P80F	3.7	4.5	3	(51) 1.00 - 6.5	(61) 0.71 - 5.5	4	58	58	135
						(42) 1.00 - 8.0	(51) 1.12 - 8.5				145
			5.5	5.9		(31) 1.00 - 11.5	(42) 1.12 - 12.0				145
100	CK80/100	P100E	3.7	4.5	3	(51) 1.00 - 6.5	(61) 0.71 - 5.5	4	58	58	135
						(42) 1.00 - 8.0	(51) 1.12 - 8.5				145
			5.5	5.9		(31) 1.00 - 11.5	(42) 1.12 - 12.0				145

* The starting method is direct-on-line. () indicates the impeller number.
Note: Please inform us of the pump model and installation kit number.

Cable specifications

- 3.7/4.5kW: 2PNCT 3.5mm²×4cores outer dia.φ14.5mm 8m
- 5.5/5.9kW: 2PNCT 5.5mm²×4cores outer dia.φ17 mm 8m
- * VCT: PVC insulated PVC sheathed cable

Performance Curves

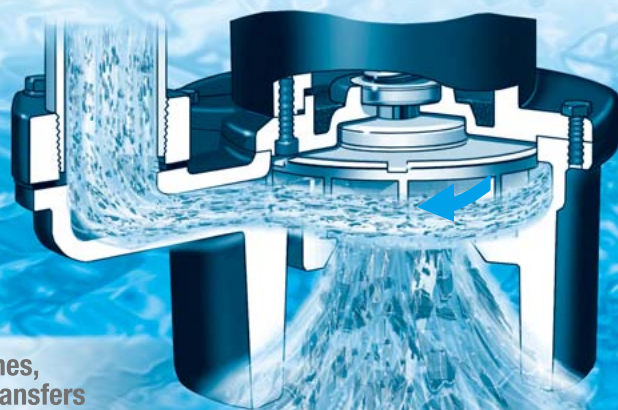


* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.

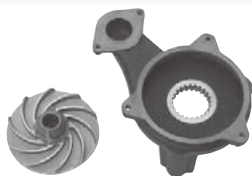
Submersible Grinder Pump

Grinder pump capable of grinding solids

This submersible pump can grind foreign objects, such as clothes, rubber products, and plastic bags/sheets in wastewater, and transfers wastewater through narrow pipes over a long distance. Most suitable for a pressure sewage system.



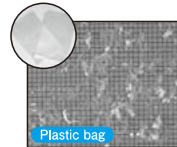
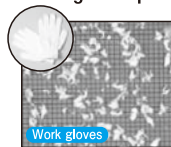
CKM



Grinder pump

The pump grinds solids in wastewater to 5 to 10 mm particles with a strong grinder mechanism and pumps wastewater.

Cutting Example



* The square size is 5x5mm.

0.4 to 3.7kW



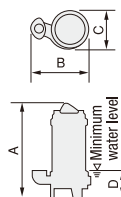
CKM40H-F40



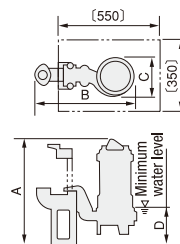
CKM40H-P40

Dimensions (Unit:mm)

Free standing type



Guide rail installation type



Standard Specifications

Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Pump weight kg
		Guide rail installation	Free standing			50Hz	60Hz		
32 (40)	CKM32HS (CKM32H)	P32 (P40)	F32 (F40)	1.0	1	0.06 - 13.6	0.06 - 13.6		32
40 (32)	CKM40H	P40 (P32)	F40 (F32)	1.2	3	0.06 - 16.5	0.06 - 17.2	2	28
				1.5		0.06 - 20	0.06 - 20.8		
50 (40)	CKM50H	P50 (P40)	F50 (F40)	2.2		(1)0.12 - 21.2 (2)0.12 - 21.7	(3)0.15 - 16.8 (4)0.15 - 17.0		46
				3.7		0.20 - 26.5	0.20 - 25.3		55
40 (50)	CKM40L	P40 (P50)	F40 (F50)	0.4	3	0.08 - 4.9	0.08 - 4.5	4	28
50 (40)	CKM50L	P50 (P40)	F50 (F40)	0.75		0.10 - 7.3	0.10 - 7.7		28

* A pump with a discharge size within parentheses () is also available. () indicates the impeller number.
* The starting method is direct-on-line except single phase model. Note: Please inform us of the pump model and installation kit number.

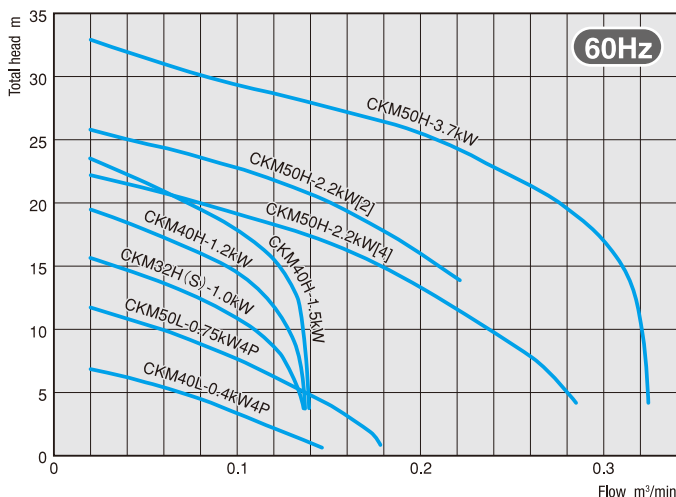
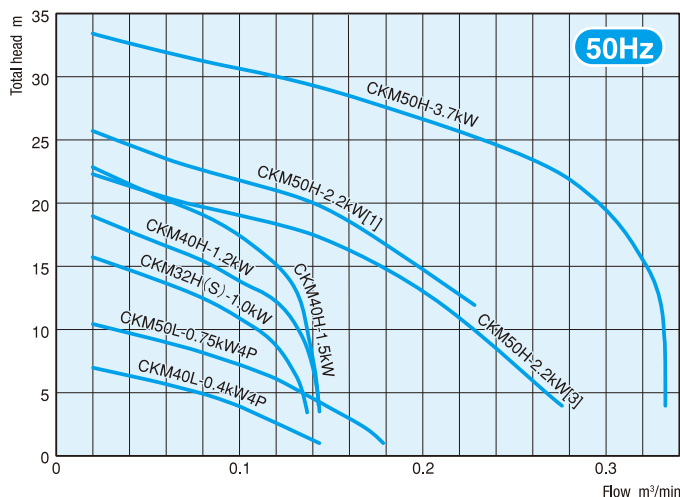
Pump model	Installation kit No.	Rated output kW	A	B	C	D	Pump model	Installation kit No.	Rated output kW	A	B	C	D
Free standing type	CKM32HS	F32	1.0	467			Guide rail installation type	CKM32HS	P32	1.0	521		
	CKM32H			289	185	105		CKM32H			487	185	160
	CKM40H	F40	1.2	432				CKM40H	P40	1.2	486		
	CKM40L		0.4	432	299	228		CKM40L		0.4	463	498	228
	CKM50H	F50	2.2	499	310	208		CKM50H	P50	2.2	547	508	208
	CKM50L		3.7	547	310	210		CKM50L		3.7	588	210	175
			0.75	432	299	228				0.75	463	498	228

Cable specifications

- 0.4~0.75kW :VCT 1.25mm²×4cores outer dia.φ 11.5mm 6m
- 1.0~2.2kW :VCT 1.25mm²×4cores outer dia.φ 11.5mm 8m
- 3.7kW :VCT 2.0 mm²×4cores outer dia.φ 12 mm 8m

* VCT: PVC insulated PVC sheathed cable

Performance Curves

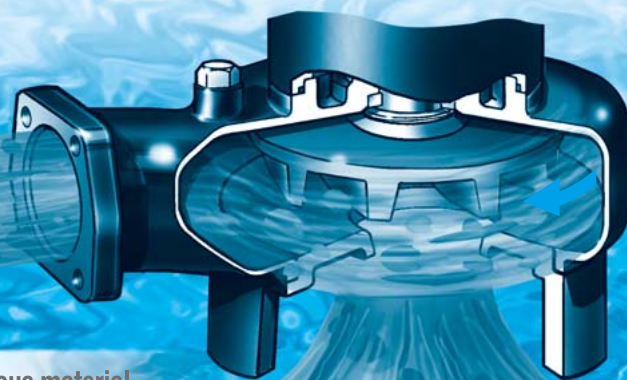


* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.

() indicates the impeller number.

Vortex impeller

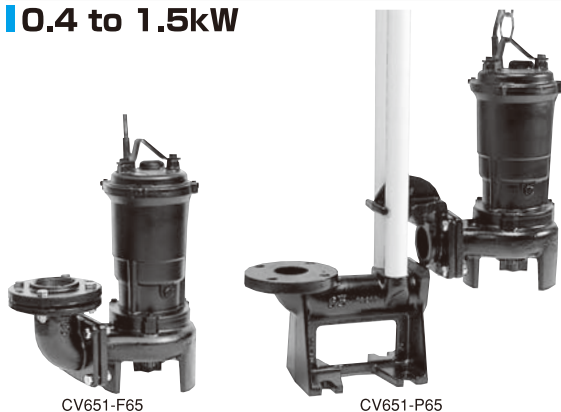
For sewage and wastewater containing a large amount of fibrous material
High solid passage type



CV



0.4 to 1.5kW



CV651-F65

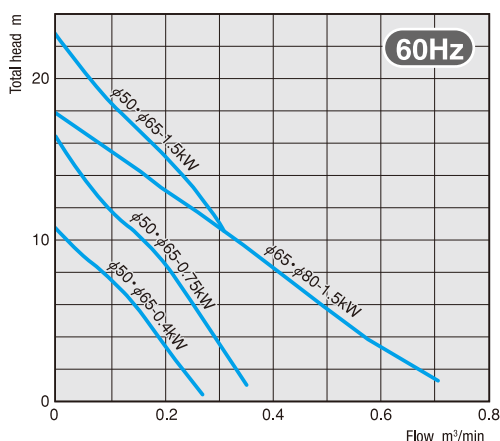
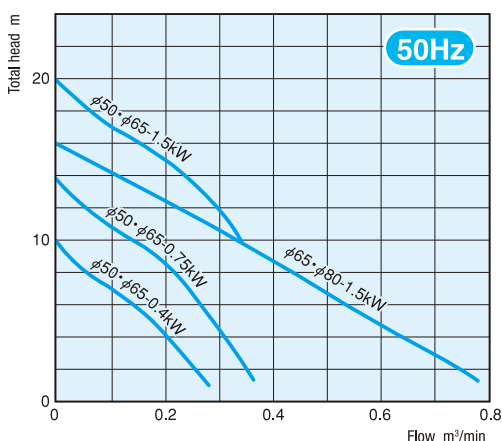
CV651-P65

Standard Specifications

Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg	
		Guide rail installation	Free standing			50Hz	60Hz		50Hz	60Hz	CV	CV-D CV-W
50	CV501T	P50	F50	0.4	3	0.15 - 5.9	0.15 - 5.9	2	30	30	17	—
	CV501	P50	F50	0.75		0.2 - 8.5	0.2 - 8.5		29	32	18	—
				1.5		0.2 - 14.7	0.2 - 15.2		32	31	26	28
65	CV501T	P65B	F65B	0.4	3	0.15 - 5.9	0.15 - 5.9	2	30	30	17	—
	CV501	P65B	F65B	0.75		0.2 - 8.5	0.2 - 8.5		29	32	18	—
				1.5		0.2 - 14.7	0.2 - 15.2		32	31	26	28
80	CV651	P65	F65	1.5	3	0.4 - 8.7	0.4 - 8.2	2	42	42	29	31
	CV651	P80	F80	1.5		0.4 - 8.7	0.4 - 8.2		42	42	29	31

* The starting method is direct-on-line. Note: Please inform us of the pump model and installation kit number.

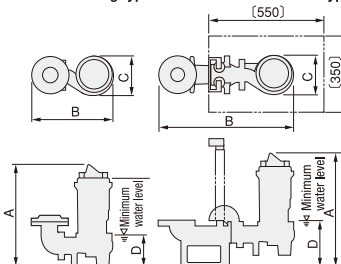
Performance Curves 0.4 to 1.5kW



* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.

Dimensions (Unit:mm)

● Free standing type ● Guide rail installation type



	Pump model	Installation kit No.	Rated output kW	A	B	C	D
Free standing type	CV501 (T)	F50	0.4	415	229	156	135
		F65B	0.75		324		
	CV501	F50	1.5	455	250	176	150
		F65B			345		
	CV651	F65	1.5	474	382	182	170
		F80			397		
Guide rail installation type	CV501 (T)	P50	0.4	461	427	156	180
		P65B	0.75		500		
	CV501	P50	1.5	501	448	176	195
		P65B			521		
	CV651	P65	1.5	539	627	182	235
		P80			579		

Cable specifications

● 0.4-0.75kW: VCT 1.25mm²×4cores outer dia. ϕ 11.5mm 6m
● 1.5kW : VCT 1.25mm²×4cores outer dia. ϕ 11.5mm 8m
* VCT: PVC insulated PVC sheathed cable

Auto operation <CV-D>

Auto-alternate operation <CV-DW>

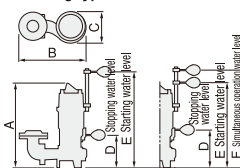


CV651D-F65

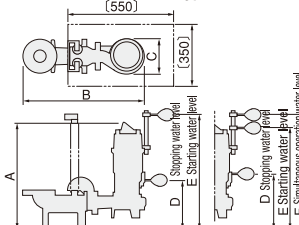
CV651W-F65

Pump model		
Auto operation	Auto-alternate operation	
	Pair name	Pump No. 1 and 2
CV501D	CV501DW	CV501W+CV501D
CV651D	CV651DW	CV651W+CV651D

● Free standing type



● Guide rail installation type



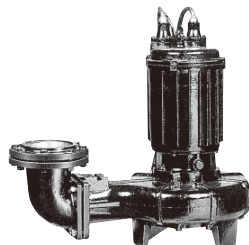
	Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
Free standing type	CV501D	F50	1.5	513	250	209	190	670	710
		F65B		345					
	CV501W	F50	1.5	513	250	209	225	630	710
		F65		345					
	CV651D	F65	1.5	532	382	215	210	690	—
		F80		397					
CV651W	F65	1.5	532	397	215	245	650	730	
	F80		397						
Guide rail installation type	CV501D	P50	1.5	559	448	209	235	715	—
		P65B		521					
	CV501W	P50	1.5	559	448	209	270	675	755
		P65B		521					
	CV651D	P65	1.5	597	627	215	275	755	—
		P80		637	703				
CV651W	P65	1.5	597	627	215	310	715	795	
	P80		637	703					

Vortex impeller

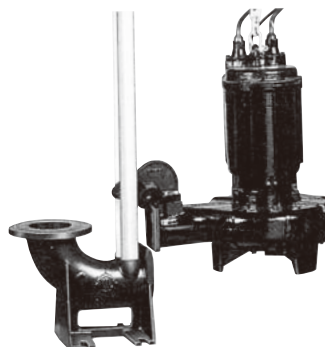
CV



5.5 to 22kW



CV150-F150



CV150-P150

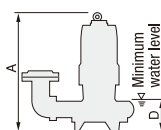
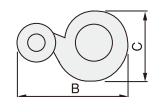
Standard Specifications

Discharge mm	Pump model	Installation kit No. Guide rail installation	Free standing	Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg
						50Hz	60Hz		50Hz	60Hz	
100	CVH100	P100C	F100B	11	3	0.8 - 23	0.86 - 23	4	36	36	192
				15		0.94 - 26	0.9 - 29				208
				22		1.05 - 34	0.92 - 36				262
				5.5		1.6 - 8.9	1.3 - 8.6		58	58	120
				7.5		1.9 - 9.4	1.6 - 10.5				132
150	CV150	P150	F150	11	3	1.9 - 16	1.67 - 16	4	48	48	185
				15		2.15 - 19	2.05 - 20				197
				22		2.75 - 23	2.15 - 23				256

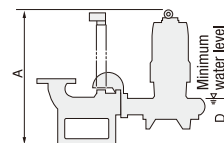
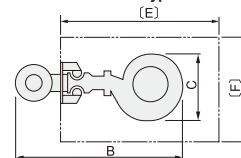
* The starting method is direct-on-line for 7.5 kW or less and star-delta for 11 kW and over.
Note: Please inform us of the pump model and installation kit number.

Dimensions (Unit:mm)

● Free standing type



● Guide rail installation type



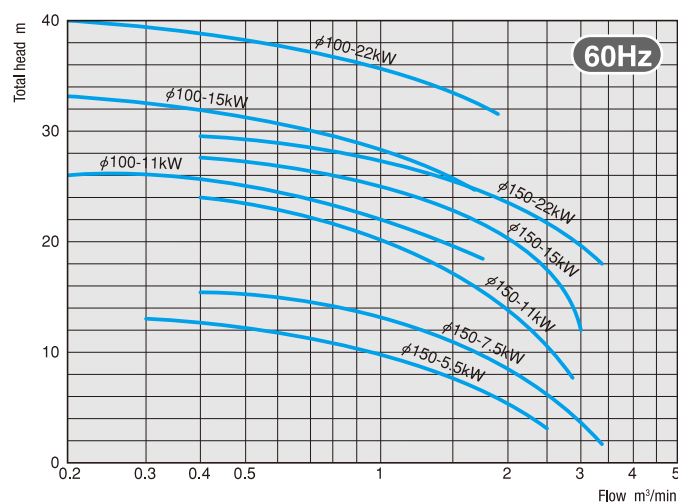
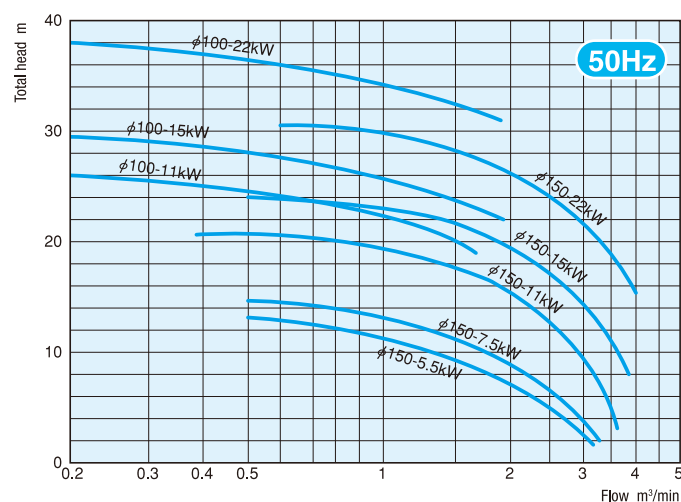
Cable specifications

- 5.5kW: VCT 3.5mm²×4cores outer dia.φ14 mm 8m
- 7.5kW: VCT 5.5mm²×4cores outer dia.φ16 5mm 8m
- 11kW: { 2PNCT 1.25mm² ×2cores outer dia.φ9.8 mm 8m
2PNCT 5.5 mm² ×4cores outer dia.φ17 mm 8m
- 15kW: { 2PNCT 1.25mm² ×2cores outer dia.φ9.8 mm 8m
2PNCT 8.0 mm² ×3cores outer dia.φ17 mm 8m
2PNCT 8.0 mm² ×4cores outer dia.φ18.5mm 8m
- 22kW: { 2PNCT 1.25mm² ×2cores outer dia.φ9.8 mm 8m
2PNCT 14 mm² ×3cores outer dia.φ20 mm 8m
2PNCT 14 mm² ×4cores outer dia.φ22 mm 8m

* VCT: PVC insulated PVC sheathed cable
2PNCT: EPR insulated PCP sheathed cable

	Pump model	Installation kit No.	Rated output kW	A	B	C	D		Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
Free standing type	CVH100	F100B	11	782	848	486	255	Guide rail installation type	CVH100	P100C	11	861	1,110	486	335	900	700
			15								15						
			22	876	870	529					22	955	1,132	529			
			5.5	713							5.5	779					
	CV150	F150	7.5	748	836	400	260				7.5	814	1,094	400	325		
			11								11						
Guide rail installation type	CV150	P150	15	804	890	450	280		CV150	P150	15	871	1,148	450	345	900	700
			22	901	930	489					22	967	1,188	489			

Performance Curves 5.5 to 22kW





● High efficiency/high head



0.25 to 1.5kW



CVS651-F65

CVS651-P65

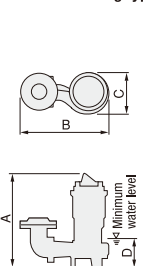
Standard Specifications

Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg		
		Guide rail installation	Free standing			50Hz	60Hz		50Hz	60Hz	CVS	CVS-D	CVS-W
40	CVS401T	P40	F40	0.25	3	0.13 - 4.4	0.1 - 4.6	2	14	14	15	15	16
50	CVS501T	P50	F50	0.25	3	0.13 - 4.4	0.1 - 4.6	2	22	22	16	16	17
	0.4			0.17 - 5.0		0.12 - 6.8	17		17	18			
	CVS501			0.75		0.16 - 9.2	0.2 - 8.0		18	18	18	18	19
65	CVS651	P65	F65	1.5	3	0.42 - 9.0	0.38 - 9.0	2	16	16	28.5	30.5	30.5
80	CVS651	P80	F80	1.5	3	0.42 - 9.0	0.38 - 9.0	2	16	16	28.5	30.5	30.5

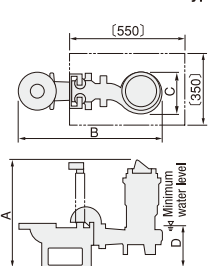
* The starting method is direct-on-line. Note: Please inform us of the pump model and installation kit number.

Dimensions (Unit:mm)

● Free standing type



● Guide rail installation type

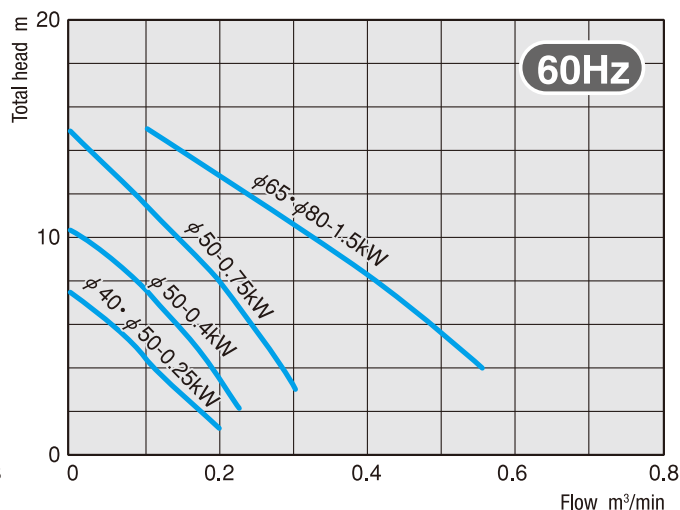
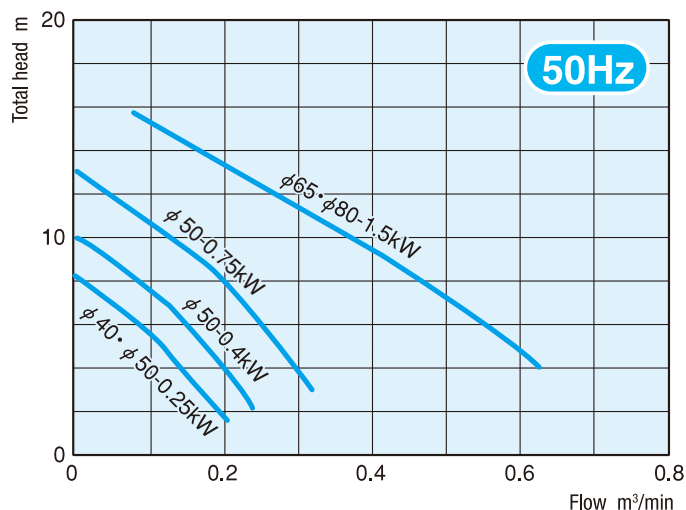


Pump model	Installation kit No.	Rated output kW	A	B	C	D	Pump model	Installation kit No.	Rated output kW	A	B	C	D
CVS401T	F40	0.25	366	229	156	100	CVS401T	P40	0.25	437	427	156	170
CVS501T	F50	0.25	379	229	156	115	CVS501T	P50	0.4	457	427	156	175
CVS501	F65	0.75	418	192	125		CVS501	P65	0.75	516	663	192	200
CVS651	F80	1.5	433	192	125		CVS651	P80	1.5	556	739	192	240

Cable specifications

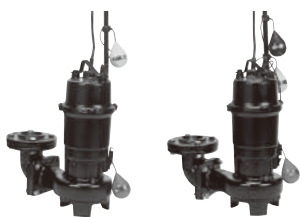
- 0.25~0.75kW: VCT 1.25mm²×4cores outer dia.φ11.5mm 6m
- 1.5kW: VCT 1.25mm²×4cores outer dia.φ11.5mm 8m
- * VCT: PVC insulated PVC sheathed cable

Performance Curves 0.25 to 1.5kW



Auto operation <CVS-D>

Auto-alternate operation <CVS-DW>

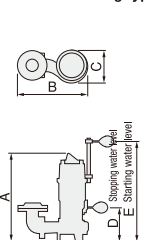


CVS651D-F65

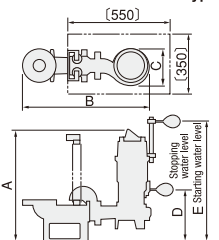
CVS651W-F65

Pump model		
Auto operation	Auto-alternate operation	
Pair name	Pump No. 1 and 2	
CVS651D	CVS651DW	CVS651W+CVS651D

● Free standing type

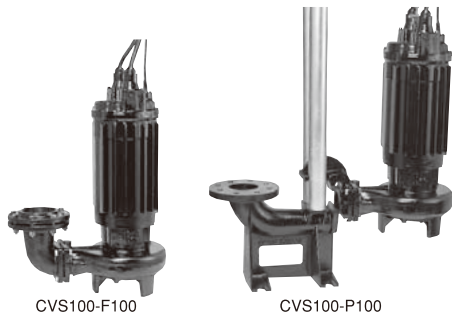


● Guide rail installation type



Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F	Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
CVS651D	F65	1.5	498	418	224	175	655	—	CVS651D	P65	1.5	574	663	224	250	730	—
CVS651D	F80	1.5	433	418	224	175	655	—	CVS651D	P80	1.5	614	739	224	290	770	—
CVS651W	F65	1.5	498	418	224	210	615	695	CVS651W	P65	1.5	574	663	224	285	690	770
CVS651W	F80	1.5	433	418	224	210	615	695	CVS651W	P80	1.5	614	739	224	325	730	810

2.2 to 11kW



CVS100-F100

CVS100-P100

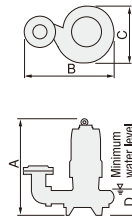
Standard Specifications

Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m³/min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg
		Guide rail installation	Free standing			50Hz	60Hz		50Hz	60Hz	
65	CVS80	P65	F65	2.2	3	0.44 – 11.0	0.42 – 11.0	2	17	17	46
				3.7		0.51 – 17.0	0.47 – 17.0				55
				5.5		0.45 – 22.7	0.40 – 23.6				82
	CVS80	P80	F80	2.2	3	0.44 – 11.0	0.42 – 11.0	2	17	17	46
				3.7		0.51 – 17.0	0.47 – 17.0				55
				5.5		0.45 – 22.7	0.40 – 23.6				82
CVS100	P100	F100	7.5	3	0.55 – 27.2	0.45 – 28.5	2	22	22	92	
			11		0.60 – 33.0	0.60 – 35.6				120	
			3.7		0.51 – 17.0	0.47 – 17.0				55	
100	CVS80	P80	F80	2.2	3	0.44 – 11.0	0.42 – 11.0	2	17	17	46
				3.7		0.51 – 17.0	0.47 – 17.0				55
				5.5		0.45 – 22.7	0.40 – 23.6				82
	CVS100	P100	F100	7.5	3	0.55 – 27.2	0.45 – 28.5	2	22	22	92
				11		0.60 – 33.0	0.60 – 35.6				120
				3.7		0.51 – 17.0	0.47 – 17.0				55

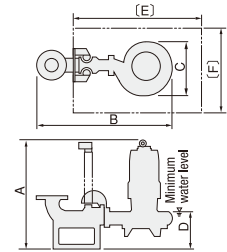
* The starting method is direct-on-line for 7.5 kW or less and star-delta for 11 kW.
Note: Please inform us of the pump model and installation kit number.

Dimensions (Unit: mm)

● Free standing type



● Guide rail installation type

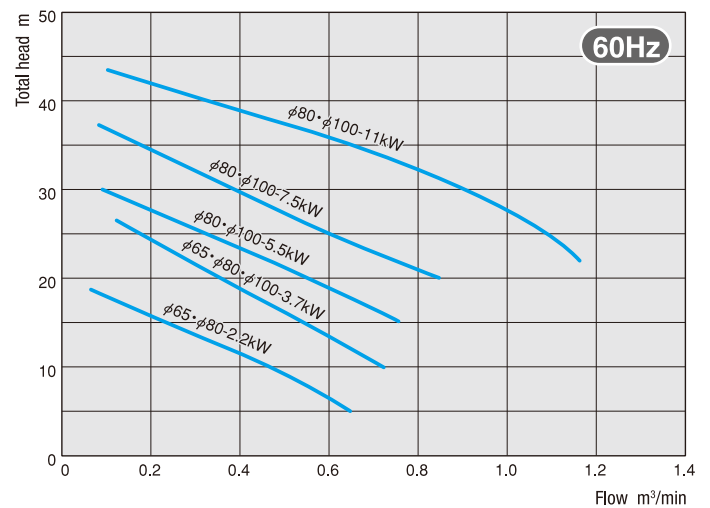
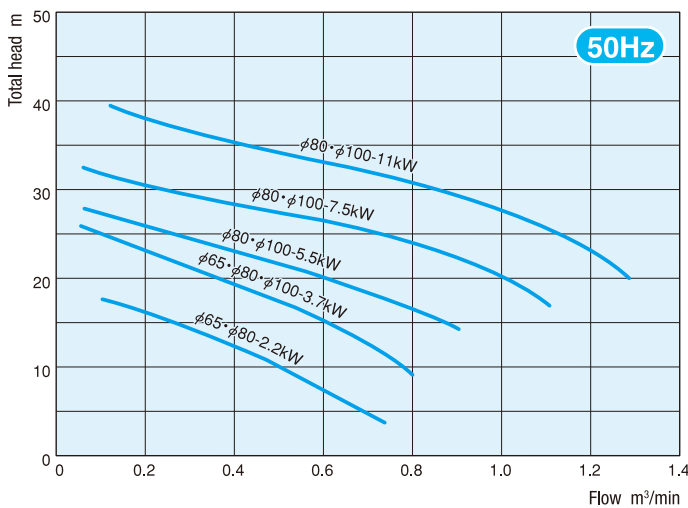


Pump model	Installation kit No.	Rated output kW	A	B	C	D	Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
Free standing type	CVS80	F65	2.2	538	452		Guide rail installation type	CVS80	P65	2.2	581	697	200		
			3.7	579						3.7	622				
		F80	2.2	538	266	160			P80	2.2	621	773	266	550	350
	CVS100		3.7	579	467					3.7	662		240		
			5.5	616	509	248			P100	3.7	662	786			
		F100	7.5	651	526	248				7.5	733				
Guide rail installation type	CVS80		11	733	529	284	Guide rail installation type	CVS100		5.5	698	803	248		
			7.5	651	526	248			P80	7.5	733	814	836	284	255
		F100	5.5	616	526	248				11	814	836	284	700	600
	CVS100		7.5	651	526	248			P100	5.5	698	816	248		
			11	733	546	284				7.5	733				
		F100	11	733	546	284				11	814	849	284		

Cable specifications

- 2.2kW: VCT 1.25mm²×4cores outer dia.φ11.5mm 8m
 - 3.7kW: VCT 2.0 mm²×4cores outer dia.φ12 mm 8m
 - 5.5kW: VCT 3.5 mm²×4cores outer dia.φ14 mm 8m
 - 7.5kW: VCT 5.5 mm²×4cores outer dia.φ16.5mm 8m
 - 11kW: 2PNCT 1.25mm²×2cores outer dia. φ9.8mm 8m
 - 11kW: 2PNCT 5.5 mm²×3cores outer dia.φ15.5mm 8m
 - 11kW: 2PNCT 5.5 mm²×4cores outer dia.φ17 mm 8m
- * VCT: PVC insulated PVC sheathed cable
2PNCT: EPR insulated PCP sheathed cable

Performance Curves 2.2 to 11kW



* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.



CVC

● Solid passage size: 70% of discharge size

0.25 to 7.5kW

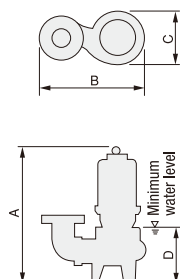


CVC1001-F100

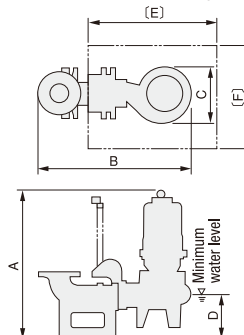
CVC1001-P100B

Dimensions (Unit: mm)

● Free standing type



● Guide rail installation type



Standard Specifications

Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg		
		Guide rail installation	Free standing			50Hz			60Hz				
						50Hz	60Hz		50Hz	60Hz			
50	CVC501	P50	F50	0.25	3	0.19 – 3.1	0.19 – 3.1	4	35	35	22		
				0.4		0.18 – 4.4	0.18 – 4.6				25		
				0.75		0.23 – 6.5	0.23 – 7.1				28		
65	※CVC501	P65B	F65B	0.4	3	0.18 – 4.4	0.18 – 4.6	4	35	35	25		
			0.75	0.23 – 6.5		0.23 – 7.1	28						
	CVC651	P65 (P65G)	F65	1.5		0.45 – 7.6	0.45 – 8.2				46	46	45
				1.5		0.52 – 7.0	0.52 – 6.7				45	45	57
	CVC801			2.2		0.6 – 8.9	0.6 – 8.9				56	56	69
				3.7		0.8 – 11.3	0.8 – 11.9						
※CVC651	P80 (P80G)	F80	1.5	0.45 – 7.6	0.45 – 8.2	46	46	45					
80	CVC801	P80B (P80G)	F80	1.5	3	0.52 – 7.0	0.52 – 6.7	4	56	56	45		
				2.2		0.6 – 8.9	0.6 – 8.9				57		
				3.7		0.8 – 11.3	0.8 – 11.9				69		
				5.5		1.2 – 12.2	1.2 – 12.2				95		
	CVC1001	7.5	1.3 – 14.8	1.3 – 16.0		70	70				105		
	100	※CVC801	P100B (P100G)	F100		2.2	3				0.6 – 8.9	0.6 – 8.9	4
	3.7	0.8 – 11.3	0.8 – 11.9	69									
CVC1001	5.5	1.2 – 12.2	1.2 – 12.2	70	70	95							
	7.5	1.3 – 14.8	1.3 – 16.0	105									

* The starting method is direct-on-line. Note: Please inform us of the pump model and installation kit number.
Note: For models with asterisk *, passable solid size does not meet 70% of discharge size.
() In the installation kit number indicates the special installation kit number for the short type.

Cable specifications

- 0.25-0.75kW: VCT 1.25mm²×4cores outer dia.φ11.5mm 6m
- 1.5kW : VCT 1.25mm²×4cores outer dia.φ11.5mm 8m
- 2.2kW : VCT 1.25mm²×4cores outer dia.φ11.5mm 8m
- 3.7kW : VCT 2.0 mm²×4cores outer dia.φ12 mm 8m
- 5.5kW : VCT 3.5 mm²×4cores outer dia.φ14 mm 8m
- 7.5kW : VCT 5.5 mm²×4cores outer dia.φ16.5mm 8m

* VCT: PVC insulated PVC sheathed cable

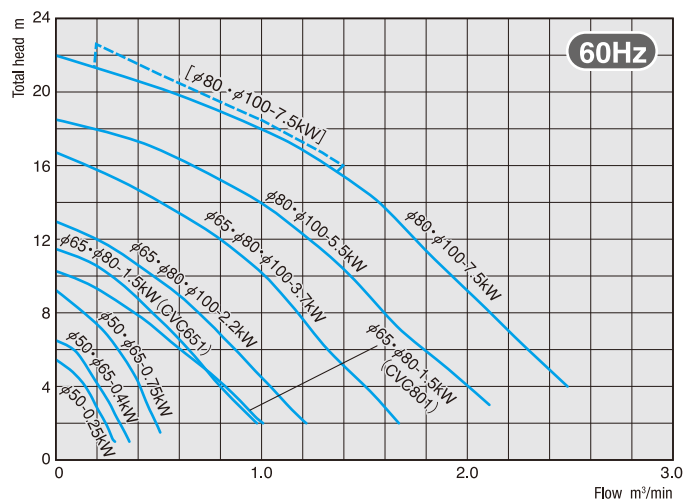
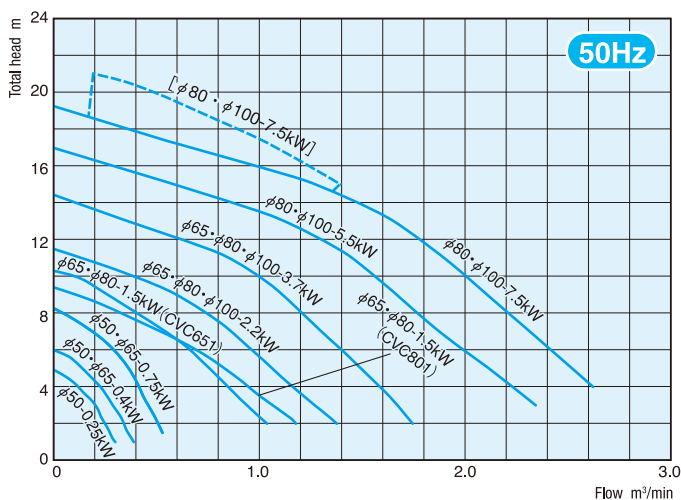
Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
Free standing type	CVC501	0.25	391	292	204	135		
		0.4		299				
		0.75		453	228	150		
		0.4		394				
	CVC651	1.5	526	425	247	175		
		1.5	557	448	253	210		
		2.2	574	490	297	215		
		3.7	636					
	CVC801	1.5	557	463	253	210		
		2.2	574	505				
		3.7	636		297	215		
		3.7	636					
Guide rail installation type	CVC501	0.25	437	490	204	180		
		0.4		497				
		0.75		499	228	195	550	350
		0.4		570				
	CVC651	1.5	587	670	235	235	550	350
		1.5	610	670	247	275		
		2.2	627	746				
		3.7	686					
	CVC801	1.5	592	693	253	245	550	350
		2.2	610	736	297	250	600	500
		3.7	672					
		3.7	672					
Guide rail installation type	CVC1001	1.5	592	633	253	245	550	350
		2.2	610	676	297	250	600	500
		3.7	672					
		3.7	672					
	CVC1001	1.5	632	769	253	285	550	350
		2.2	650	812	297	290	600	500
		3.7	712					
		3.7	712					
	CVC1001	1.5	632	709	253	285	550	350
		2.2	650	752				
		3.7	712					
		3.7	712					

Vortex impeller Solid size: 70% of discharge size

CVC

Performance Curves

* Pumps with dotted performance curve also available



* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.

CVM



● Solid passage size: 100% of discharge size (except for CVM150)

0.4 to 7.5kW



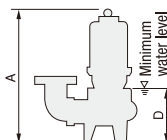
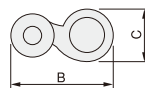
CVM80-F80



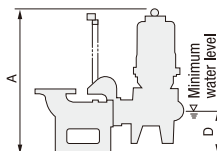
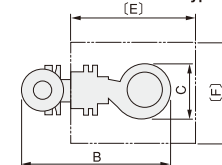
CVM80-P80B

Dimensions (Unit: mm)

● Free standing type



● Guide rail installation type



Standard Specifications

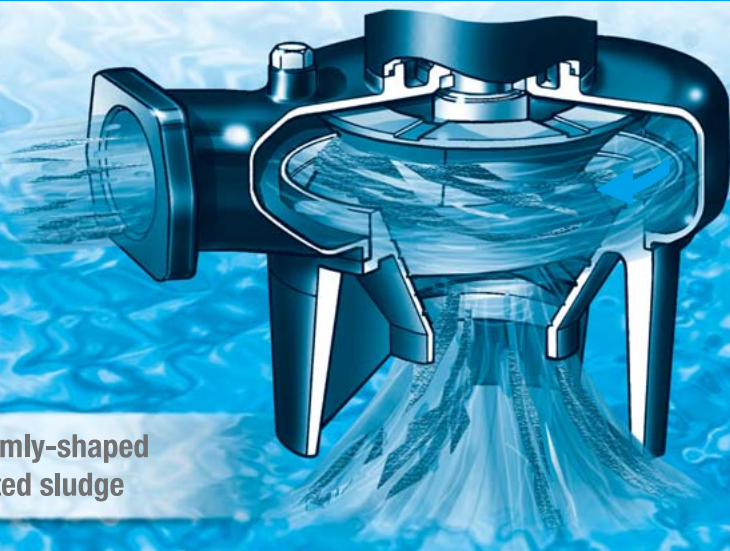
Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg
		Guide rail installation	Free standing			50Hz	60Hz		50Hz	60Hz	
50	CVM50	P50	F50	0.4 0.75	3	(1) 0.18 - 3.55 (2) 0.23 - 4.1	(1) 0.17 - 3.3 (2) 0.22 - 5.7	4	50	50	25 26
65	CVM65	P65 (P65G)	F65	1.5 2.2 3.7	3	(1) 0.21 - 6.9 (3) 0.37 - 5.8 (1) 0.28 - 8.8 (3) 0.38 - 7.9 (1) 0.52 - 11.4	(2) 0.20 - 7.5 (4) 0.33 - 6.1 (2) 0.20 - 10.0 (4) 0.34 - 8.4 (2) 0.64 - 10.6	4	65	65	43 55 69
80	CVM80	P80B (P80G)	F80	1.5 2.2 3.7 5.5 7.5	3	(5) 0.2 - 6.5 (7) 0.42 - 4.7 (5) 0.26 - 7.2 (7) 0.45 - 5.9 (1) 0.42 - 11.0 (3) 0.84 - 11.0 (1) 0.47 - 16.4 (3) 0.94 - 14.0	(6) 0.16 - 6.9 (8) 0.40 - 4.9 (4) 0.25 - 7.5 (6) 0.38 - 5.8 (2) 0.46 - 11.2 (4) 0.86 - 10.8 (2) 0.80 - 16.0 (4) 1.00 - 14.4	4	80	80	46 58 72 93 106
100	CVM100	P100C (P100CG)	F100B	3.7 5.5 7.5	3	(5) 0.40 - 9.3 (7) 0.78 - 6.7 (5) 0.62 - 10.8 (7) 1.02 - 8.9 (5) 0.52 - 14.6 (7) 0.96 - 12.0 (7) 0.51 - 7.6	(6) 0.30 - 9.5 (8) 0.72 - 6.2 (4) 0.44 - 12.0 (6) 0.86 - 9.4 (6) 0.80 - 13.2 (8) 1.05 - 11.8 (8) 0.55 - 7.3	4	100	100	73 97 111
150	CVM150	P150	F150	5.5 7.5	3	(9) 0.80 - 6.5 (9) 0.92 - 9.4 (11) 1.32 - 7.6	(10) 0.64 - 6.2 (8) 0.78 - 9.7 (10) 1.04 - 8.1	4	125	125	107 123

* The starting method is direct-on-line. Note: Please inform us of the pump model and installation kit number.
() in the installation kit number indicates the special installation kit number for the short type.
() indicates the impeller number.

	Pump model	Installation kit No.	Rated output kW	A	B	C	D		Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F	
Free standing type	CVM50	F50	0.4-0.75	486	277	188	170	Guide rail installation type	CVM50	P50	0.4-0.75	506	475	188	195	550	350	
	CVM65	F65	1.5	572	392	219	CVM65		P65	1.5	601	637	219	245	260	550	350	
			2.2	595	442	238				230								
			3.7	657	451	257												
	CVM80	F80	1.5	616	452	230	260		P65G	1.5	601	577	219	245	260	550	350	
			2.2	630	462	249				2.2	625	627	238					
			3.7	692	471	267	265			3.7	687	636	257					
	CVM100	F100B	5.5	722	523	292	CVM80		P80B	1.5	659	758	230	300	310	550	350	
			7.5	757	534	313				265	2.2	673	769	249				
			3.7	740	515	280				315	3.7	735	777	267				
	CVM150	F150	5.5	778	549	310	325		P80G	5.5	765	830	292	310	700	600		
			7.5	806	571	332	315			7.5	800	841	313					
5.5			828	649	304	375	1.5			659	698	230	300					
Cable specifications	CVM100	F100B	7.5	856	663	331	365		CVM100	P100C	2.2	673	709	249	310	700	600	
											3.7	735	717	267				
											5.5	765	770	292				
	CVM150	P150	7.5	800	781	313	CVM100		P100CG	7.5	869	813	332	380	700	600		
			3.7	803	817	280				375	600	500						
			5.5	841	851	310				385	700	600						
	CVM100	P100C	7.5	869	873	332	380		CVM150	P150	3.7	803	757	280	375	600	500	
			5.5	841	791	310	385				5.5	841	791	310	385	700	600	
			7.5	869	813	332	380				7.5	869	813	332	380	700	600	
	CVM150	P150	5.5	854	907	304	400		CVM100	P100C	5.5	841	851	310	385	700	600	
			7.5	881	921	331	390				7.5	869	813	332	380			700
			5.5	854	907	304	400	5.5			841	791	310	385	700			600
CVM150	P150	7.5	881	921	331	390	CVM100	P100CG	7.5	869	813	332	380	700	600			
		5.5	854	907	304	400			5.5	841	791	310	385			700	600	
		7.5	881	921	331	390			7.5	869	813	332	380			700	600	

Screw impeller

For sewage and wastewater containing uniformly-shaped and fibrous material and for highly concentrated sludge



CW·CWH



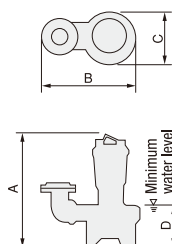
1.5 to 22kW



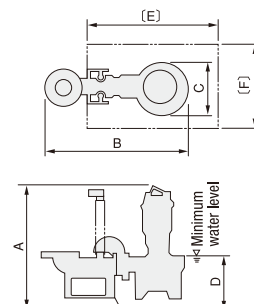
CW100-P100B

Dimensions (Unit:mm)

● Free standing type



● Guide rail installation type



Standard Specifications

Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg
		Guide rail installation	Free standing			50Hz	60Hz		50Hz	60Hz	
65	CW65			1.5	3	0.6 – 8.0	0.6 – 8.9	4	43	34	55
			1.5	0.7 – 6.8		0.62 – 7.2	43		65		
	CW80	P65	F65	2.2		0.8 – 8.9	0.8 – 10.5		49	42	70
			3.7	1.1 – 11.7		1.1 – 11.7	53		48	84	
80	CW65	P80	F80	1.5	3	0.6 – 8.0	0.6 – 8.9	4	43	34	55
			1.5	0.7 – 6.8		0.62 – 7.2			43	65	
	CW80	P80B	F80	2.2		0.8 – 8.9	0.8 – 10.5		49	42	70
				3.7		1.1 – 11.7	1.1 – 11.7		53	48	84
				5.5		1.4 – 13.3	1.3 – 15.2		54		115
	CW100			7.5		1.7 – 16.9	1.7 – 16.8		56	49	130
100				1.5	3	0.7 – 6.8	0.62 – 7.2	4	43	43	65
			2.2	0.8 – 8.9		0.8 – 10.5	49		42	70	
			3.7	1.1 – 11.7		1.1 – 11.7	53			84	
			5.5	1.4 – 13.3		1.3 – 15.2	54		48	115	
	CW100	P100B	F100	7.5		1.7 – 16.9	1.7 – 16.8		56	49	130
			11	2.5 – 17.5		2.3 – 19.4	54		51	246	
150				15	3	2.7 – 20.5	2.5 – 23.0	4	57	62	260
			22	3.0 – 27.0		3.3 – 27.5	73		65	310	
			5.5	2.1 – 10.0		2.0 – 10.6	66		58	162	
			7.5	2.6 – 11.3		2.6 – 11.7	81		57	170	
200	CW150	P150	F150	11	3	3.2 – 12.1	3.2 – 13.4	4	78	76	245
			15	3.6 – 15.6		3.6 – 16.0			80	258	
			22	4.5 – 18.3		4.5 – 18.2			80	78	306

* The starting method is direct-on-line for 7.5 kW or less and star-delta for 11 kW and over.

Note: Please inform us of the pump model and installation kit number.

* Requiring pumps with discharge size more than 150 mm, please contact to your dealer or ShinMaywa.

Cable specifications

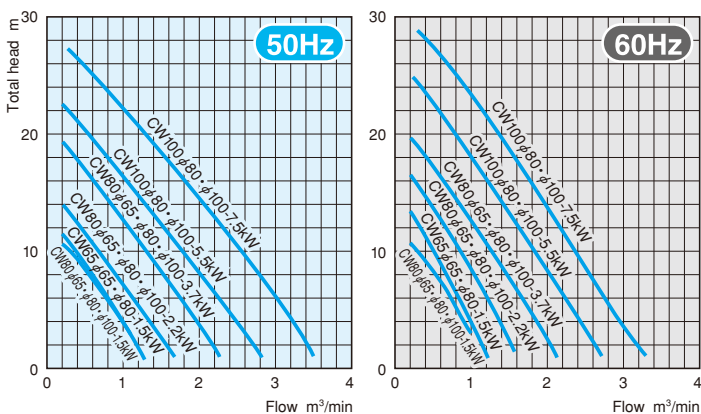
● 1.5kW: VCT 1.25mm ² ×4cores outer dia.φ11.5mm 8m	● 11kW: { 2PNCT 1.25mm ² ×2cores outer dia.φ9.8 mm 8m	● 22kW: { 2PNCT 1.25mm ² ×2cores outer dia.φ9.8mm 8m
● 2.2kW: VCT 1.25mm ² ×4cores outer dia.φ11.5mm 8m	● 11kW: { 2PNCT 5.5 mm ² ×3cores outer dia.φ15.5mm 8m	● 22kW: { 2PNCT 14 mm ² ×3cores outer dia.φ20 mm 8m
● 3.7kW: VCT 2.0 mm ² ×4cores outer dia.φ12 mm 8m	● 11kW: { 2PNCT 5.5 mm ² ×4cores outer dia.φ17 mm 8m	● 22kW: { 2PNCT 14 mm ² ×4cores outer dia.φ22 mm 8m
● 5.5kW: VCT 3.5 mm ² ×4cores outer dia.φ14 mm 8m	● 11kW: { 2PNCT 1.25mm ² ×2cores outer dia.φ9.8 mm 8m	
● 7.5kW: VCT 5.5 mm ² ×4cores outer dia.φ16.5mm 8m	● 15kW: { 2PNCT 8.0 mm ² ×3cores outer dia.φ17 mm 8m	
	● 15kW: { 2PNCT 8.0 mm ² ×4cores outer dia.φ18.5mm 8m	

* VCT: PVC insulated PVC sheathed cable
2PNCT: EPR insulated PCP sheathed cable

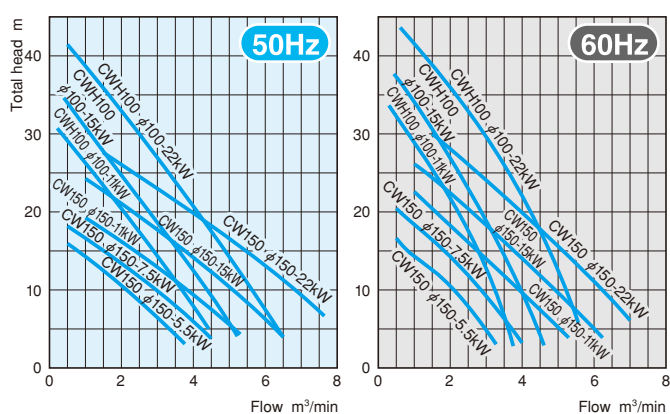
* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.

Performance Curves

CW65•80•100



CWH100•CW150



CWT



● Vertical dry pit

1.5 to 22kW

Standard Specifications

Discharge mm	Suction mm	Pump model	Rated output kW	Phase	Flow - Total head m³/min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg
					50Hz	60Hz		50Hz	60Hz	
65	80	CWT65	1.5	3	0.65 - 7.3	0.57 - 8.9	4	43	34	130
			2.2	3	0.79 - 8.3	0.75 - 9.6	4	49	42	205
80	100	CWT80	3.7	3	1.11 - 11.4	1.10 - 11.7	4	53	48	230
			5.5	3	1.40 - 13.4	1.36 - 14.4	4	54	48	275
100	125	CWT100	7.5	3	1.70 - 15.0	1.50 - 17.2	4	56	49	300
			11	3	3.0 - 11.5	2.9 - 12.3	4	78	76	550
150	200	CWT150	15	3	3.7 - 14.0	3.3 - 14.3	4	78	76	610
			22	3	4.0 - 16.9	3.7 - 18.1	4	78	78	680

* The starting method is direct-on-line for 7.5 kW or less and star-delta for 11 kW and over.

Cable specifications

For motor

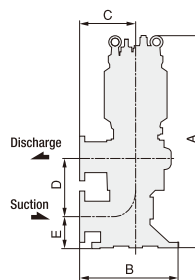
● 1.5kW:	VCT	1.25mm²×4cores	outer dia.φ11.5mm	8m
● 2.2kW:	VCT	1.25mm²×4cores	outer dia.φ11.5mm	8m
● 3.7kW:	VCT	2.0mm²×4cores	outer dia.φ12mm	8m
● 5.5kW:	VCT	3.5mm²×4cores	outer dia.φ14mm	8m
● 7.5kW:	VCT	5.5mm²×4cores	outer dia.φ16.5mm	8m
● 11kW:	2PNCT	5.5mm²×3cores	outer dia.φ15.5mm	8m
● 15kW:	2PNCT	8.0mm²×3cores	outer dia.φ17mm	8m
● 22kW:	2PNCT	14mm²×3cores	outer dia.φ20mm	8m

For protector

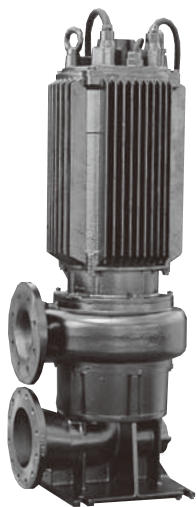
2PNCT	1.25mm²×2cores	outer dia.φ9.8mm	8m
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* VCT: PVC insulated PVC sheathed cable
2PNCT: EPR insulated PCP sheathed cable

Dimensions (Unit:mm)



Pump model	Rated output kW	A	B	C	D	E
CWT65	1.5	863	354	210	273	130
CWT80	2.2	920				
	3.7	995				
CWT100	5.5	1,050	470	265	270	145
	7.5	1,110				
CWT150	11	1,340	550			
	15	1,450	320	345	193	
	22	1,550	570			

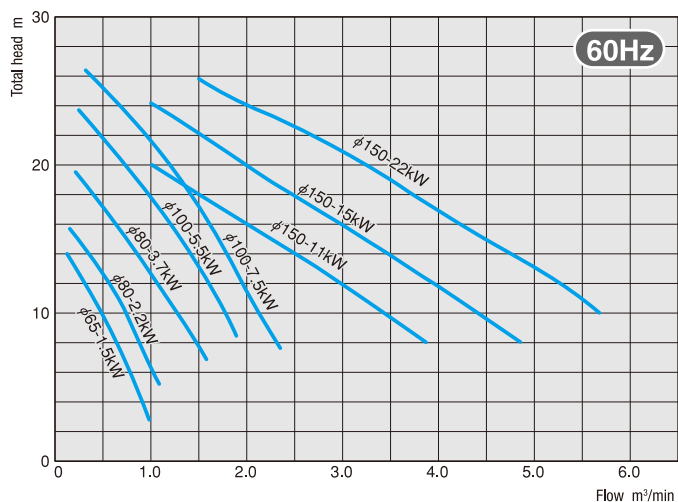
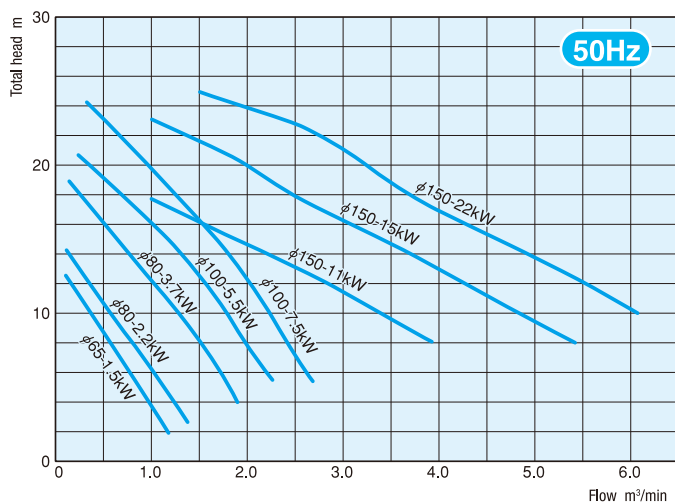


CWT150

Screw impeller Vertical dry pit type

CWT

Performance Curves



* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.

Multi-vane semi-open impeller

For fresh water or wastewater containing few suspended solids
Provides high pump efficiency and achieves a high head at low power



A

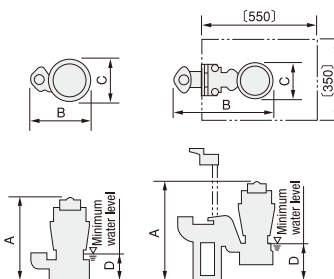


0.25 to 1.5kW



Dimensions (Unit:mm)

● Free standing type ● Guide rail installation type



Standard Specifications

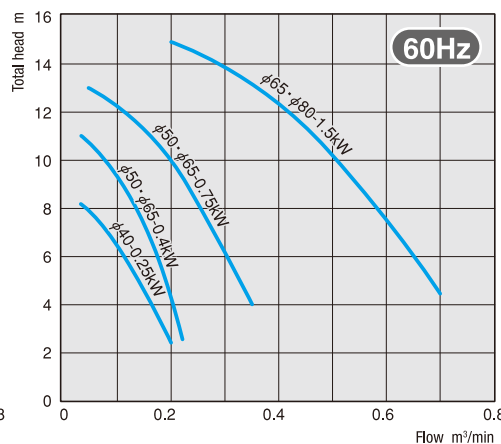
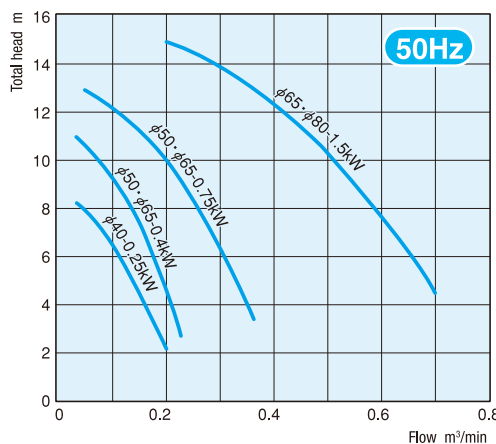
Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg	
		Guide rail installation	Free standing			50Hz	60Hz		50Hz	60Hz	A	A-D A-W
40	A401T	P40	F40	0.25	3	0.1 – 6.5	0.1 – 6.5	2	9	9	14.5	—
50	A501T	P50	F50	0.4	3	0.15 – 7.3	0.15 – 7.3	2	9	9	17	—
	0.75			0.2 – 10.0		0.2 – 10.0	18				—	
65	A501T	P65B	F65B	0.4	3	0.15 – 7.3	0.15 – 7.3	2	9	9	17	—
	0.75			0.2 – 10.0		0.2 – 10.0	18				—	
	A652	P65	F65	1.5		0.4 – 12.3	0.4 – 12.3				14	13
80	A652	P80	F80	1.5	3	0.4 – 12.3	0.4 – 12.3	2	14	13	27	29

* The starting method is direct-on-line. Note: Please inform us of the pump model and installation kit number.

Cable specifications

- 0.25~0.75kW: VCT 1.25mm²×4 cores outer dia.φ11.5mm 6m
- 1.5kW: VCT 1.25mm²×4 cores outer dia.φ11.5mm 8m
- * VCT: PVC insulated PVC sheathed cable

Performance Curves



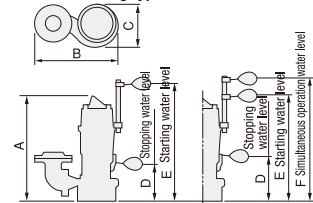
* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.

Auto operation <A-D>
Auto-alternate operation <A-DW>

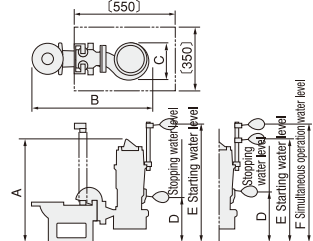


Pump model		
Auto operation	Auto-alternate operation	
	Pair name	Pump No. 1 and 2
A652D	A652DW	A652W+A652D

● Free standing type

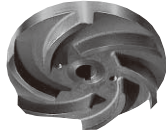


● Guide rail installation type



Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
Free standing type	A652D F65	1.5	497	393	234	175	655	-
	A652W F80	1.5	497	393	234	210	615	695
Guide rail installation type	A652D P65	1.5	569	638	234	245	725	-
	A652W P80	1.5	609	714	234	285	765	805

AH



0.4 to 1.5kW



AH502-F50



AH502-P50

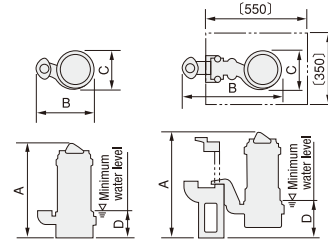
Standard Specifications

Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg	AH-D AH-W
		Guide rail installation	Free standing			50Hz	60Hz		50Hz	60Hz		
40	AH401T	P40	F40	0.4	3	0.05 - 13.4	0.05 - 13.2	2	5.5	6.5	17	—
50	AH501	P50	F50	0.75	3	0.1 - 14.0	0.1 - 14.8	2	7.5	9	18	—
	AH502			1.5		0.2 - 18.4	0.2 - 18.2		12.5	13.5	25.5	27.5
65	AH501	P65B	F65B	0.75	3	0.1 - 14.0	0.1 - 14.8	2	7.5	9	18	—
	AH502			1.5		0.2 - 18.4	0.2 - 18.2		12.5	13.5	25.5	27.5

* The starting method is direct-on-line. Note: Please inform us of the pump model and installation kit number.

Dimensions (Unit: mm)

● Free standing type ● Guide rail installation type



Pump model	Installation kit No.	Rated output kW	A	B	C	D
Free standing type	AH401T	F40	0.4	387	249	171
	AH501	F50	0.75	387	249	171
	AH502	F50	1.5	436	278	190
Guide rail installation type	AH401T	P40	0.4	451	447	171
	AH501	P50	0.75	451	447	171
	AH502	P50	1.5	481	476	190

Cable specifications

● 0.4-0.75kW: VCT 1.25mm²×4cores outer dia.φ11.5mm 6m
 ● 1.5kW : VCT 1.25mm²×4cores outer dia.φ11.5mm 8m
 * VCT: PVC insulated PVC sheathed cable

Auto operation <AH-D>

Auto-alternate operation <AH-DW>



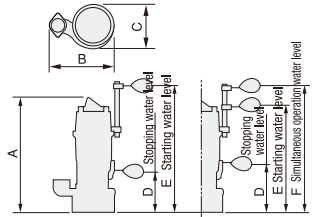
AH502D-F50



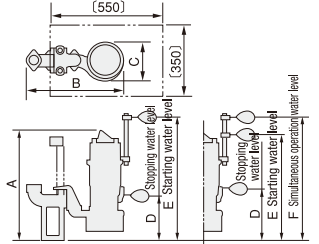
AH502W-F50

Pump model		
Auto operation	Auto-alternate operation	
Pair name	Pump No. 1 and 2	
AH502D	AH502DW	AH502W+AH502D

● Free standing type



● Guide rail installation type

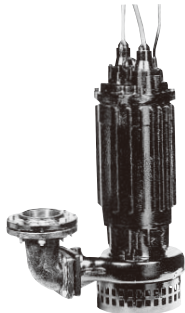


Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
Free standing type	AH502D	F50	1.5	494	278	222	170	650
	AH502W	F50	1.5	494	278	222	170	650
	AH502D	F65B	1.5	539	313	222	215	695
Guide rail installation type	AH502D	P50	1.5	539	313	222	215	695
	AH502W	P50	1.5	539	313	222	215	695
	AH502D	P65B	1.5	539	313	222	215	695

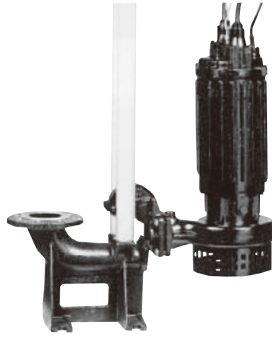
Cable specifications

● 2.2kW: VCT 1.25mm²×4cores outer dia.φ11.5mm 8m
 ● 3.7kW: VCT 2.0mm²×4cores outer dia. φ12mm 8m
 ● 5.5kW: VCT 3.5mm²×4cores outer dia. φ14mm 8m
 ● 7.5kW: VCT 5.5mm²×4cores outer dia.φ16.5mm 8m
 ● 11kW: 2PNCT 1.25mm²×2cores outer dia. φ9.8mm 8m
 2PNCT 5.5mm²×3cores outer dia.φ15.5mm 8m
 2PNCT 5.5mm²×4cores outer dia. φ17mm 8m
 * VCT: PVC insulated PVC sheathed cable
 2PNCT: EPR insulated PCP sheathed cable

2.2 to 11kW



AH1001-F100



AH1001-P100

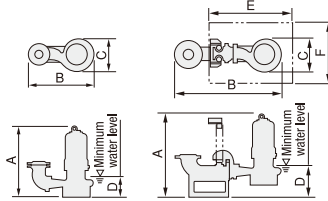
Standard Specifications

Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg
		Guide rail installation	Free standing			50Hz	60Hz		50Hz	60Hz	
65	AH651	P65	F65	2.2	3	0.3 - 20.3	0.3 - 20.3	2	10.5	12.5	46
	AH801			3.7		0.5 - 23.2	0.5 - 24.5		13.5	14	55
	AH651			2.2		0.3 - 20.3	0.3 - 20.3		10.5	12.5	46
80	AH801	P80	F80	3.7	3	0.5 - 23.2	0.5 - 24.5	2	13.5	14	55
	AH1001			5.5		0.6 - 28.0	0.6 - 28.6		14	14	82
	AH1001			7.5		0.8 - 29.5	0.8 - 31.0		14	14	92
100	AH801	P100	F100	11	3	1.0 - 37.4	1.0 - 38.8	2	13.5	14	120
	AH1001			3.7		0.5 - 23.2	0.5 - 24.5		13.5	14	55
	AH1001			5.5		0.6 - 28.0	0.6 - 28.6		14	14	82

* The starting method is direct-on-line for 7.5 kW or less and star-delta for 11 kW. Note: Please inform us of the pump model and installation kit number.

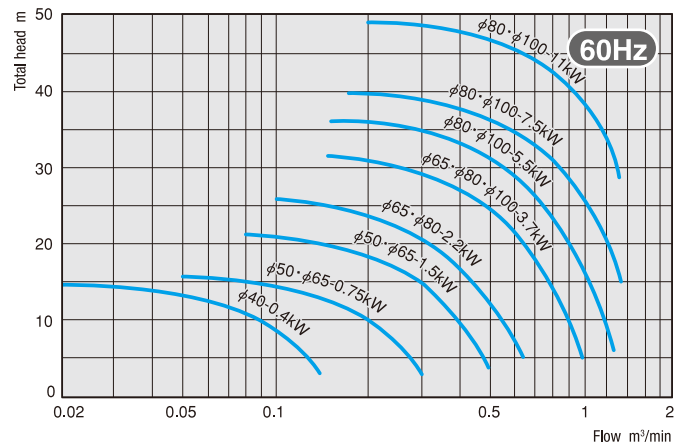
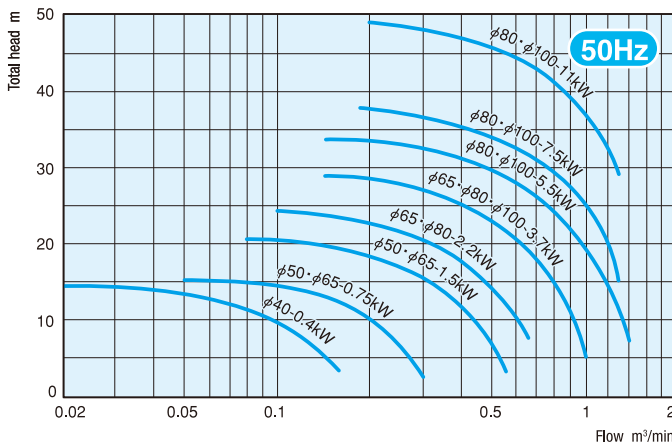
Dimensions (Unit: mm)

● Free standing type ● Guide rail installation type



Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
Free standing type	AH651	F65	2.2	530	450	211	150	—
	AH801	F80	3.7	571	465	226	150	—
	AH1001	F100	5.5	618	482	—	—	—
Guide rail installation type	AH651	P65	2.2	580	465	211	150	—
	AH801	P80	3.7	621	465	226	150	—
	AH1001	P100	5.5	661	482	—	—	—

Performance Curves



* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.

Stainless steel submersible pump



The pump uses stainless steel in all wetted parts.
Suitable for discharging wastewater from food plants, hospitals, and laboratories.

Corrosion Resistance Classification Table

Chemicals	Chemical symbol	Concentration % (Wt)	Temperature (32°C or less)		Remarks
			304 stainless steel	316 stainless steel	
Ammonia	NH ₃	Compressed gas and solution	●	●	
Ethylene glycol	C ₂ H ₆ O ₂	Solution or vapor	●	●	
Ammonium chloride	NH ₄ Cl	≤5	▲	●	Note 2 Note 3
		5 to 20	▲	●	
		20 to 50	▲	●	
		Saturation	▲	●	
Calcium chloride	CaCl ₂	5	▲	●	Note 2 Note 3
		Saturation	▲	●	
Sodium chloride	NaCl	5	●	●	Note 2 Note 3
		Saturation	▲	●	
Magnesium chloride	MgCl ₂ ·6H ₂ O	5	●	●	Note 2 Note 3
		Saturation	▲	●	
Formic acid	H·COOH	1	●	●	Note 1
		5	●	●	
		10	●	●	
		50	▲	●	
Citric acid	C ₆ H ₈ O ₇ ·H ₂ O	≤15	●	●	
		15<	●	●	
Oxalic acid	(COOH) ₂ ·2H ₂ O	≤10	●	●	Note 1
		10<	▲	●	
Tartaric acid	[CH(OH)CO ₂ H] ₂	1	●	●	
		10	●	●	
		10<	●	●	
Carbonic acid	H ₂ CO ₃	Humid gas or water solution	●	●	
Lactic acid	CH ₃ ·CH(OH)·COOH	5	●	●	
		10	●	●	
		20	●	●	
		50	●	●	
		100	●	●	
Picric acid	C ₆ H ₂ (OH)(NO ₂) ₃	High	●	●	
Boric acid	H ₃ BO ₃	≤50	●	●	
		50<	●	●	
Hydrogen sulfide	H ₂ S	Humid gas or water solution	▲	●	
Phosphoric acid	H ₃ PO ₄	≤5	●	●	Note 1
		5 to 25	▲	●	
		25 to 50	—	●	

● Corrosion at 0.1 mm/year or less. ▲ Corrosion at 0.1 - 1.0 mm/year.

Note 1. Be alert to the risk of intergranular corrosion.

Note 2. Be alert to the risk of pitting corrosion.

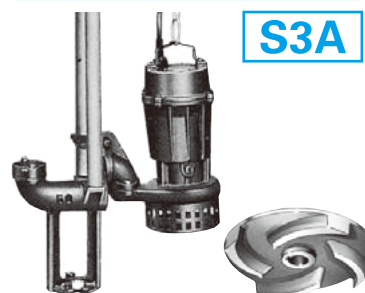
Note 3. Be alert to the risk of stress corrosion cracking.

*Pumps made of 316 stainless steel are also available as an option

High efficiency

Multi-vane semi-open impeller

S3A



S3A50-S3P50

Smooth solid handling

Channel impeller

S3N



S3N50-S3P50

Large passage area, prevent tangling

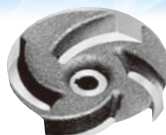
Vortex impeller

S3V



S3V50-S3P50

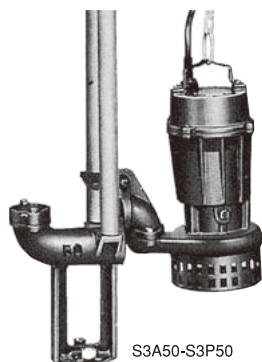
S3A



Transferring or discharging wastewater containing a relatively small amount of suspended solids



0.25 to 1.5kW



S3A50-S3P50

Standard Specifications

Discharge mm	Pump model	Installation kit No.	Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg	
					50Hz	60Hz		50Hz	60Hz	S3A	S3A-D
40	S3A40T	S3P40	0.25	3	0.1 - 6.2	0.1 - 6.1	2	9	9	16.5	17.5
	S3A50T	S3P40	0.4		0.05 - 12.0	0.05 - 11.9		5.5	6.5	19	20
50 (65)	S3A50	S3P50	0.75	3	(3) 0.2 - 9.3	(4) 0.2 - 9.2	2	9	9	20	21
	S3A50	S3P50	1.5		(5H) 0.1 - 13.6	(6H) 0.1 - 13.6		11.5	11.5	37	39
65 (80)	S3A65	S3P65	1.5	3	0.3 - 13.1	0.3 - 13.1	2	14	13	38	40

* A pump with a discharge size within parentheses () is also available. () indicates the impeller number.

* The starting method is direct-on-line.

Note: Please inform us of the pump model and installation kit number.

Cable specifications

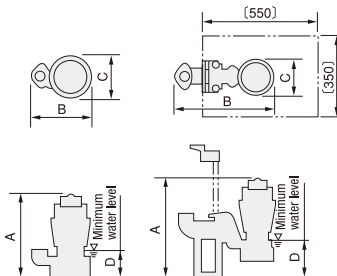
● 0.25~0.75kW : VCT 1.25mm²×4cores outer dia.φ11.5mm 6m

● 1.5kW : VCT 1.25mm²×4cores outer dia.φ11.5mm 10m

* VCT: PVC insulated PVC sheathed cable

Dimensions (Unit: mm)

● Free standing type ● Guide rail installation type



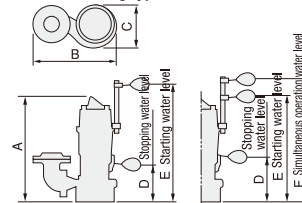
	Pump model	Installation kit No.	Rated output kW	A	B	C	D
Free standing type	S3A40T	S3F40	0.25	367	249	171	115
	S3A50 (T)	S3F50	0.4	387	249	171	115
	S3A50	S3F50	0.4~0.75	387	249	171	115
	S3A50	S3F50	1.5	482	278	190	135
Free standing type	S3A65	S3F65	1.5	484	393	202	135
	S3A40T	S3P40	0.25	431	447	171	180
	S3A50 (T)	S3P50	0.4	451	447	171	180
	S3A50	S3P50	0.4~0.75	451	447	171	180
Guide rail installation type	S3A50	S3P50	1.5	527	476	190	180
	S3A65	S3P65	1.5	556	638	202	210

Auto operation <S3A-D>

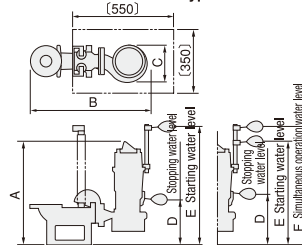
Auto-alternate operation <S3A-DW>

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 type

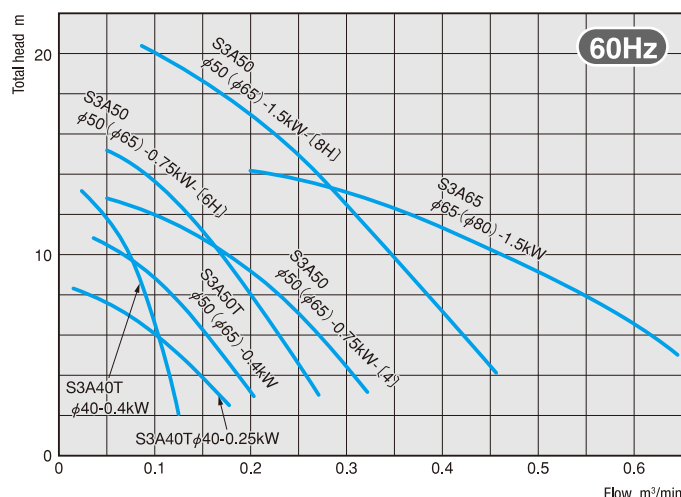
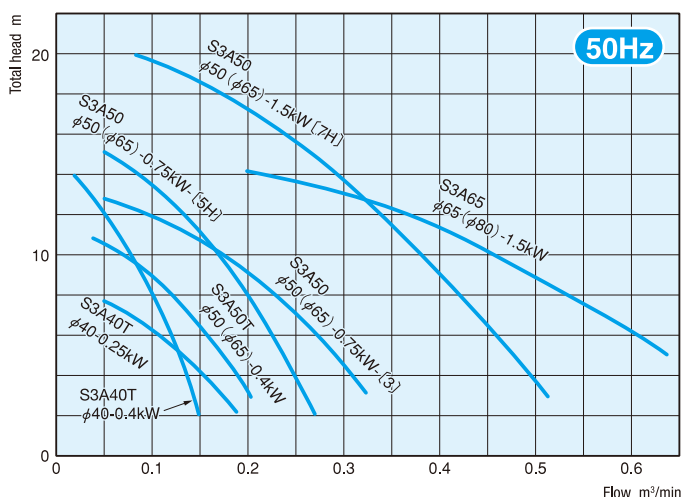


Guide rail installation type



	Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
Free standing type	S3A40DT	S3F40	0.25	401	249	171	120	540	
	S3A50 (T)	S3F50	0.4	421	249	171	120	560	
	S3A50D (T)	S3F50	0.4~0.75	421	249	171	120	560	
	S3A50D	S3F50	1.5	540	278	190	220	690	
Free standing type	S3A65D	S3F65	1.5	542	393	202	220	690	
	S3A40WT	S3F40	0.25	401	249	171	160	490	640
	S3A50W (T)	S3F50	0.4	421	249	171	160	510	660
	S3A50W	S3F50	0.4~0.75	421	249	171	160	510	660
Guide rail installation type	S3A50W	S3P50	1.5	540	278	190	280	640	820
	S3A65W	S3P65	1.5	542	393	202	280	640	820
	S3A40DT	S3P40	0.25	467	447	171	185	605	
	S3A50D (T)	S3P50	0.4	487	447	171	185	625	
Guide rail installation type	S3A50D	S3P50	0.4~0.75	487	447	171	185	625	
	S3A65D	S3P65	1.5	587	476	190	265	735	
	S3A40WT	S3P40	0.25	467	447	171	225	555	705
	S3A50W (T)	S3P50	0.4	487	447	171	225	575	725
Guide rail installation type	S3A50W	S3P50	0.4~0.75	487	447	171	225	575	725
	S3A65W	S3P65	1.5	587	476	190	325	685	865
Guide rail installation type	S3A40T	S3P40	0.25	467	447	171	225	555	705
	S3A50D (T)	S3P50	0.4	487	447	171	225	575	725
Guide rail installation type	S3A50W	S3P50	0.4~0.75	487	447	171	225	575	725
	S3A65W	S3P65	1.5	614	638	202	350	710	890

Performance Curves



() indicates the impeller number.

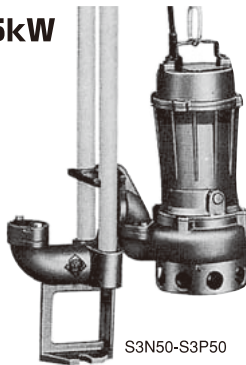
* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.

S3N



Transferring or discharging sewage and wastewater containing a large amount of uniformly shaped solids

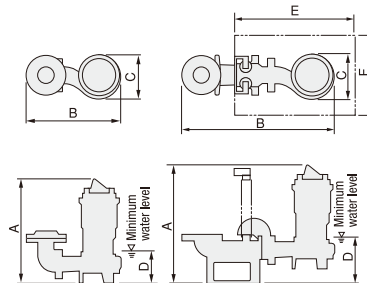
0.25 to 7.5kW



S3N50-S3P50

Dimensions (Unit:mm)

● Free standing type ● Guide rail installation type

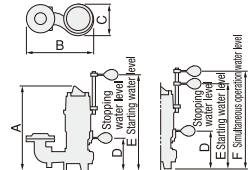


Auto operation <S3N-D>

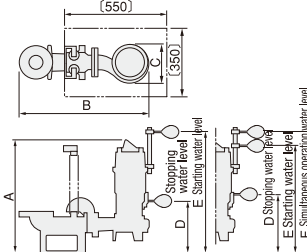
Auto-alternate operation <S3N-DW>

Pump model		
Auto operation	Auto-alternate operation	
Pair name	Pump No. 1 and 2	
S3N40DT	S3N40DWT	S3N40WT+S3N40DT
S3N50DT	S3N50DWT	S3N50WT+S3N50DT
S3N50D	S3N50DW	S3N50W+S3N50D
S3N65D	S3N65DW	S3N65W+S3N65D

● Free standing type



● Guide rail installation type



Standard Specifications

Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg	
		Guide rail installation	Free standing			50Hz	60Hz		50Hz	60Hz	S3N	S3N-D S3N-W
40	S3N40T	S3P40	S3F40	0.25	3	0.1 - 5.1	0.1 - 5.0	2	21	20	17.5	18.5
50	S3N50T	S3P50	S3F50	0.4	3	0.15 - 5.6	0.15 - 5.6	2	28	23	23	24
50 (65)	S3N50T	S3P50	S3F50	0.75	3	0.2 - 7.6	0.2 - 7.0	2	30	30	24	25
65 (80)	S3N65	S3P65	S3F65	1.5	3	0.4 - 9.9	0.4 - 9.2	2	39	34	39	41
80	S3N80	S3P80B	S3F80	2.2	3	0.8 - 7.4	0.8 - 7.6	4	52	51	63	—
80 (65) (100)	S3N80	S3P80B	S3F80	3.7	3	(1) 1.0 - 10.8	1.0 - 10.8	4	51	52	76	—
100 (80)	S3N100	S3P100B	S3F100	5.5	3	(1) 1.2 - 11.5	(2) 1.2 - 12.2	4	58	52	103	—
				7.5	3	(3) 0.9 - 16.5	(4) 0.9 - 16.5	4	51	51	—	—
						(1) 1.4 - 14.0	(2) 1.4 - 15.4		65	58	117	—
						(3) 1.0 - 20.0	(4) 1.0 - 21.0		54	58	—	—

* A pump with a discharge size within parentheses () is also available. () indicates the impeller number.

* The starting method is direct-on-line.

Note: Please inform us of the pump model and installation kit number.

Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
S3N40T	S3F40	0.25	377	233	164	125	—	—
S3N50 (T)	S3F50	0.4-0.75	439	249	171	135	—	—
S3N65	S3F65	1.5	526	408	230	150	—	—
S3N80	S3F80	2.2	550	524	292	—	—	—
S3N100	S3F100	3.7	612	543	331	190	—	—
		5.5	640	618	355	—	—	—
		7.5	675	633	387	190	—	—
S3N40T	S3P40	0.25	433	431	164	180	550	350
S3N50 (T)	S3P50	0.4-0.75	487	447	171	180	550	350
S3N65	S3P65	1.5	574	653	230	200	550	350
S3N80	S3P80B	2.2	620	830	292	—	600	500
S3N80	S3P80B	3.7	682	849	331	260	700	600
S3N100	S3P100B	5.5	710	920	355	—	—	—
		7.5	745	935	387	260	700	600

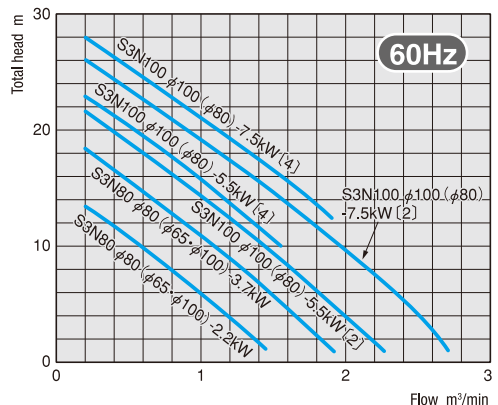
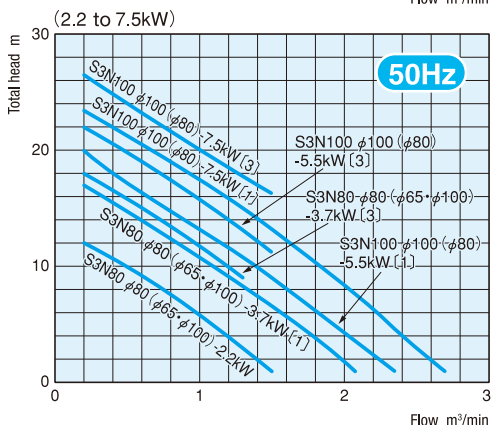
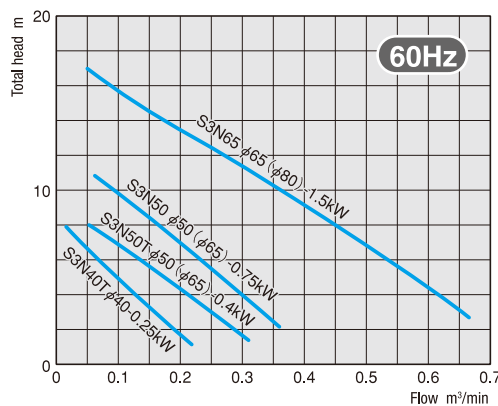
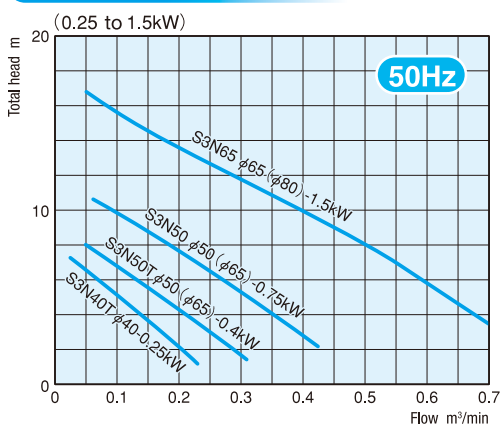
Cable specifications

- 0.25~0.75kW : VCT 1.25mm²×4cores outer dia.φ11.5mm 6m
- 1.5kW : VCT 1.25mm²×4cores outer dia.φ11.5mm 10m
- 2.2kW : VCT 1.25mm²×4cores outer dia.φ11.5mm 8m
- 3.7kW : VCT 2.0mm²×4cores outer dia.φ12 mm 8m
- 5.5kW : VCT 3.5mm²×4cores outer dia.φ14 mm 8m
- 7.5kW : VCT 5.5mm²×4cores outer dia.φ16.5mm 8m

* VCT: PVC insulated PVC sheathed cable

Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
S3N40DT	S3F40	0.25	411	233	164	130	550	—
S3N50 (T)	S3F50	0.4-0.75	473	249	171	140	610	—
S3N65D	S3F65	1.5	584	408	230	310	780	—
S3N40WT	S3F40	0.25	411	233	164	170	500	650
S3N50 (T)	S3F50	0.4-0.75	473	249	171	180	560	710
S3N65W	S3F65	1.5	584	408	230	370	730	910
S3N40DT	S3P40	0.25	467	431	164	185	605	—
S3N50 (T)	S3P50	0.4-0.75	521	447	171	190	660	—
S3N65D	S3P65	1.5	632	653	230	360	830	—
S3N40WT	S3P40	0.25	467	431	164	225	555	705
S3N50 (T)	S3P50	0.4-0.75	521	447	171	230	610	760
S3N65W	S3P65	1.5	632	653	230	420	780	960

Performance Curves



() indicates the impeller number.

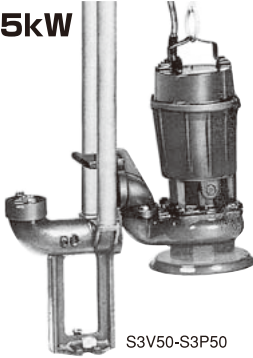
* For detailed performance and dimensions, please contact your dealer or visit www.shinmaywa.co.jp/pump/english/.

S3V



Transferring or discharging sewage and wastewater containing a large amount of fibrous materials

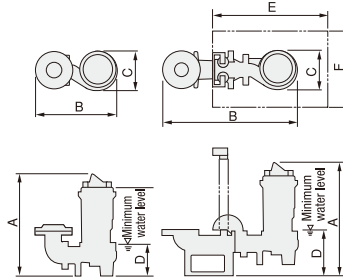
0.25 to 7.5kW



S3V50-S3P50

Dimensions (Unit: mm)

● Free standing type ● Guide rail installation type



Standard Specifications

Discharge mm	Pump model	Installation kit No.		Rated output kW	Phase	Flow - Total head m ³ /min-m		No. of poles	Solid passage dia. (Soft solid) (mm)		Pump weight kg	
		Guide rail installation	Free standing			50Hz	60Hz		50Hz	60Hz	S3V	S3V-D S3V-W
40	S3V40T	S3P40	S3F40	0.25	3	0.1 - 4.4	0.09 - 4.3	2	19	19	19	20
50	S3V50T	S3P50	S3F50	0.4	3	0.14 - 4.7	0.14 - 4.3	2	26	26	20	21
(65)	S3V50	S3P50	S3F50	0.75	3	0.17 - 7.4	0.17 - 7.3	2	26	26	23	24
65 (80)	S3V65	S3P65	S3F65	1.5	3	0.42 - 8.0	0.38 - 8.0	2	28	28	38	40
80	S3V80	S3P80B	S3F80	2.2	3	0.8 - 6.6	0.7 - 6.8	4	28	28	63	-
(65) (100)	S3V80	S3P80B	S3F80	3.7	3	1.0 - 8.8	0.9 - 9.5	4	28	28	76	-
100 (80)	S3V100	S3P100B	S3F100	5.5	3	1.2 - 10.4	1.2 - 10.8	4	33	33	103	-
(80)	S3V100	S3P100B	S3F100	7.5	3	(1) 1.3 - 12.8 (2) 1.3 - 12.8 (3) 0.8 - 17.5 (4) 0.8 - 18.4		4	33	33	117	-

* A pump with a discharge size within parentheses () is also available. () indicates the impeller number.
* The starting method is direct-on-line.
Note: Please inform us of the pump model and installation kit number.

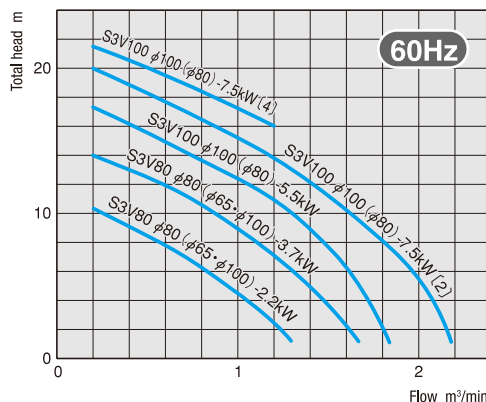
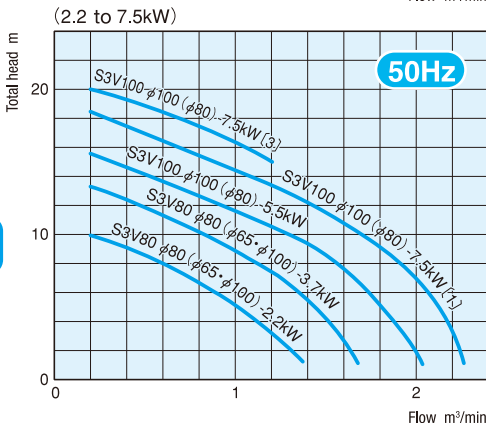
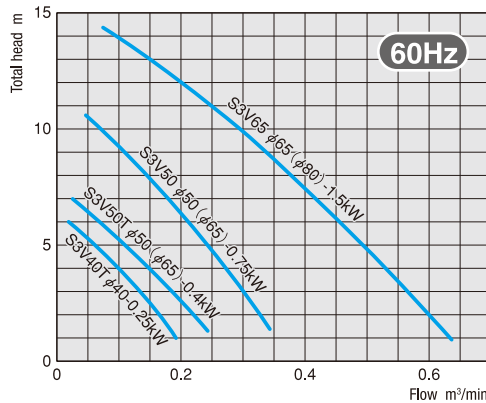
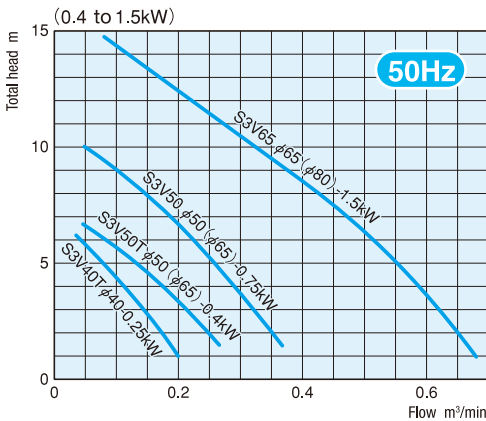
Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
S3V40T	S3F40	0.25	370	245	188	100	-	-
S3V50 (T)	S3F50	0.4-0.75	403	245	188	115	-	-
S3V65	S3F65	1.5	490	418	220	125	-	-
S3V80	S3F80	2.2	550	524	292	-	-	-
S3V80	S3F80	3.7	612	543	331	190	-	-
S3V100	S3F100	5.5	640	618	355	-	-	-
S3V100	S3F100	7.5	675	633	387	190	-	-
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	S3P80B	2.2	620	830	292	260	600	500
S3V80	S3P80B	3.7	682	849	331	260	700	600
S3V100	S3P100B	5.5	710	920	355	260	700	600
S3V100	S3P100B	7.5	745	935	387	260	700	600

Cable specifications

- 0.25~0.75kW : VCT 1.25mm²×4cores outer dia.φ11.5mm 6m
- 1.5kW : VCT 1.25mm²×4cores outer dia.φ11.5mm 10m
- 2.2kW : VCT 1.25mm²×4cores outer dia.φ11.5mm 8m
- 3.7kW : VCT 2.0mm²×4cores outer dia.φ12 mm 8m
- 5.5kW : VCT 3.5mm²×4cores outer dia.φ14 mm 8m
- 7.5kW : VCT 5.5mm²×4cores outer dia.φ16.5mm 8m

* VCT: PVC insulated PVC sheathed cable

Performance Curves



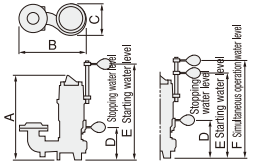
() indicates the impeller number.

Auto operation <S3V-D>

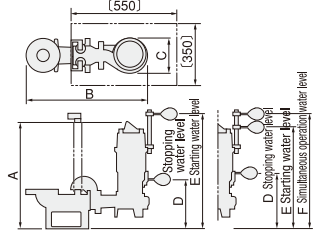
Auto-alternate operation <S3V-DW>

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 type



● Guide rail installation type



Pump model	Installation kit No.	Rated output kW	A	B	C	D	E	F
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	225	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	225	335	695	875
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	225	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	225	410	770	950

Accessory List

Standard Accessories (incorporated into the pump)

Impeller	Pump series	Page	Cable							Float switch*1	Stand	Suction pipe	Sliding bracket	Starting unit
			6m	8m				16m						
			1 pc.	1 pc.	2 pcs.		3 pcs.	1 pc.	2 pcs.					
			0.75kW or less	1.5 to 7.5kW	1.5 to 7.5kW	11kW or more	11kW or more	6・6.5 kW	11・13 kW					
Channel impeller	CN-MT 0.25 to 1.5kW	6												
	CN・CN-MT・CNH 2.2 to 22kW	7					*3							
	CNMJ 1.5 to 7.5kW	8												
	CNL 0.25 to 1.5kW	9												
	CNT	1.5 to 22kW	9			*2		*3				*4		
CNT150B 6 to 13kW														
Chopper / Cutter / Grinder pump	CJ (Chopper) 0.75 to 7.5kW	10												
	CK (Cutter) 3.7 to 5.9kW	11												
	CKM (Grinder) 0.4 to 3.7kW	12		 (1.0 kW or more)										*5
Vortex impeller	CV 0.4 to 1.5kW	13												
	CV・CVH 5.5 to 22kW	14					*3							
	CVS 0.25 to 11kW	15					*3							
	CVC 0.25 to 7.5kW	17												
	CVM 0.4 to 7.5kW	18												
Screw impeller	CW・CWH 1.5 to 22kW	19					*3							
	CWT 1.5 to 22kW	20			*2		*3				*4			
Multi-vane semi-open impeller	A 0.25 to 1.5kW	21												
	AH 0.4 to 11kW	22					*3							
Stainless steel submersible pump	S3A (Multi-vane semi-open) 0.25 to 1.5kW	24		 (10 m for 1.5 kw)										
	S3N (Channel) 0.25 to 7.5kW	25		 (10 m for 1.5 kw)										
	S3V (Vortex) 0.25 to 7.5kW	26		 (10 m for 1.5 kw)										

*1: The float switch is only used for auto operation and auto-alternate operation models.
*2: Two cables. One is for motor power and the other is for protector signal.
*3: Three cables. Two are for motor power and one is for protector signal.
*4: The stand and suction pipe are integrated.
*5: The starting unit comes as standard only with CKM32HS (single-phase 200 V). Be sure to install the starting unit for a single-phase pump before starting operation.
 For changing the voltage, extending cables, or changing parts material, please contact us or your dealer.

Guide Rail Installation Type

- Discharge connection
- Guide holder (with bolts and nuts)
- Sliding bracket (built into the pump for the CK series)
- Lifting chain (6 m)

Impeller				Channel impeller				Chopper / Cutter / Grinder pump				Vortex impeller					Screw impeller	Multi-vane semi-open impeller	Stainless steel submersible pump		
Discharge size mm	Installation kit No.	Set weight kg	Connection weight kg	CN-MT 0.25 to 1.5 kW	CN-CN-MT-CNH 2.2 to 22 kW	CNMJ 1.5 to 7.5 kW	CNL 0.25 to 1.5 kW	CJ 0.75 to 7.5 kW	CK 3.7 to 5.9 kW	CKM 0.4 to 3.7 kW	CV 0.4 to 1.5 kW	CV-CVH 5.5 to 22 kW	CVS 0.25 to 11 kW	CVC 0.25 to 7.5 kW	CVM 0.4 to 7.5 kW	CW-CWH 1.5 to 22 kW	A 0.25 to 1.5 kW	AH 0.4 to 11 kW	S3A 0.25 to 1.5 kW	S3N 0.25 to 7.5 kW	S3V 0.25 to 7.5 kW
Page				6	7	8	9	10	11	12	13	14	15	17	18	19	21	22	24	25	26
32	P32	11	4.5																		
40	P40	11	4.5																		
	S3P40	12	6.5																		
50	P50	11	4.5																		
	S3P50	12	6.5																		
65	P65	24	15																		
	P65B	20	14.5																		
	※ P65G	24	15																		
	S3P65	26	17																		
80	P80	31.5	20.5																		
	P80B	31.5	18																		
	P80F	44	40																		
	※ P80G	38.5	25																		
	S3P80B	34	20																		
100	P100	40.5	27																		
	P100B	40.5	27																		
	P100C	55	37																		
	P100E	44	40																		
	※ P100G	44	30.5																		
	※ P100CG	44	30.5																		
	S3P100B	44	30																		
150	P150	60	42																		

The asterisk ※ indicates a special installation kit number.

Free Standing Type

- Discharge flange
- Companion flange (with bolts, nuts, and gasket)

Impeller			Channel impeller				Chopper / Cutter / Grinder pump				Vortex impeller					Screw impeller	Multi-vane semi-open impeller	Stainless steel submersible pump		
Discharge size mm	Installation kit No.	Set weight kg	CN-MT 0.25 to 1.5 kW	CN-CN-MT-CNH 2.2 to 22 kW	CNMJ 1.5 to 7.5 kW	CNL 0.25 to 1.5 kW	CJ 0.75 to 7.5 kW	CK 3.7 to 5.9 kW	CKM 0.4 to 3.7 kW	CV 0.4 to 1.5 kW	CV-CVH 5.5 to 22 kW	CVS 0.25 to 11 kW	CVC 0.25 to 7.5 kW	CVM 0.4 to 7.5 kW	CW-CWH 1.5 to 22 kW	A 0.25 to 1.5 kW	AH 0.4 to 11 kW	S3A 0.25 to 1.5 kW	S3N 0.25 to 7.5 kW	S3V 0.25 to 7.5 kW
Page			6	7	8	9	10	11	12	13	14	15	17	18	19	21	22	24	25	26
32	F32	Built into the pump																		
40	F40	Built into the pump																		
	S3F40	Built into the pump																		
50	F50	Built into the pump																		
	S3F50	Built into the pump																		
65	F65	7																		
	F65B	5.5																		
	S3F65	8																		
80	F80	9.5																		
	S3F80	11																		
100	F100	11																		
	F100B	12																		
	S3F100	12																		
150	F150	30																		

★ indicates that the companion flange is built into the pump.

Motor Protector List

Channel impeller (P6-9)

	Pump model	Rated output kW	Motor protector		
			Thermal protector	Thermal switches	Leakage detector
CN/ CN-MT/ CNH	CN401T-MT	0.25			
	CN501T-MT	0.4		×	×
	CN501-MT	0.75			
	CN651-MT	1.5	●		
	CN80-MT	2.2			
		3.7		△	
	CN100-MT	5.5			
		7.5			
	CNH100	11			
		15	×	●	▲
		22			
	CN150-MT	5.5	●	△	
CNMJ		7.5			
	CNMJ80	1.5			
		2.2			
	CNMJ100	3.7	●	△	▲
CNL		5.5			
		7.5			
	CNL502	0.25		×	×
CNT		0.4	●		
	CNL652	0.75		△	▲
	CNT651	1.5			
		2.2			
	CNT801	3.7			
		5.5			
	CNT1001	7.5	×	●	▲
		11			
	CNT1501	15			
		22			
CNT150B		6/6.5	△	△	
		11/13	×		

Chopper / Cutter / Grinder pump (P10-12)

	Pump model	Rated output kW	Motor protector		
			Thermal protector	Thermal switches	Leakage detector
CJ	CJ501	0.75		×	×
	CJ651 (D-W)	1.5			
	CJ80	2.2	●		
		3.7		△	▲
	CJ100	5.5			
CK		7.5			
	CK80/100	3.7/4.5	●	△	▲
CKM		5.5/5.9			
	CKM32HS	1.0			
	CKM32H	1.0		×	×
	CKM40H	1.2			
		1.5	●		
	CKM50H	2.2		△	▲
		3.7			
	CKM40L	0.4		×	×
CKM50L		0.75			

Vortex impeller (P13-18)

	Pump model	Rated output kW	Motor protector		
			Thermal protector	Thermal switches	Leakage detector
CV/ CVH	CV501T	0.4			
	CV501 (D-W)	0.75	●	×	×
		1.5			
	CV651 (D-W)	1.5			
		11			
	CVH100	15	×	●	
		22			
		5.5	●	△	▲
	CV150	7.5			
		11			
		15	×	●	
		22			
CVS	CVS401T	0.25			
	CVS501T	0.25			
		0.4		×	×
	CVS501	0.75			
	CVS651 (D-W)	1.5	●		
	CVS80	2.2			
CVS100		3.7		△	
		5.5			▲
		7.5			
		11	×	●	
CVC	CVC501	0.25			
		0.4		×	×
		0.75			
	CVC651	1.5			
	CVC801	1.5	●		
		2.2		△	▲
CVC1001		3.7			
		5.5			
		7.5			
CVM	CVM50	0.4		×	×
		0.75			
	CVM65	1.5			
		2.2			
		3.7			
		1.5			
	CVM80	2.2			
		3.7	●		▲
		5.5		△	
		7.5			
	CVM100	3.7			
		5.5			
		7.5			
	CVM150	5.5			
		7.5			

Screw impeller (P19, 20)

	Pump model	Rated output kW	Motor protector		
			Thermal protector	Thermal switches	Leakage detector
CW/ CWH	CW65	1.5			
		1.5			
	CW80	2.2	●	△	
		3.7			
	CW100	5.5			
		7.5			
	CWH100	11			▲
		15	×	●	
		22			
		5.5	●	△	
	CW150	7.5			
		11			
CWT		15	×	●	
		22			
	CWT65	1.5			
	CWT80	2.2			
		3.7			
	CWT100	5.5	×	●	▲
		7.5			
	CWT150	11			
		15			
		22			

Multi-vane semi-open impeller (P21, 22)

	Pump model	Rated output kW	Motor protector		
			Thermal protector	Thermal switches	Leakage detector
A	A401T	0.25			
	A501T	0.4	●	×	×
	A501	0.75			
	A652 (D-W)	1.5			
AH	AH401T	0.4			
	AH501	0.75		×	×
	AH502 (D-W)	1.5			
	AH651	2.2	●		
	AH801	3.7		△	▲
		5.5			
	AH1001	7.5			
		11	×	●	

Stainless steel submersible pump (P24-26)

	Pump model	Rated output kW	Motor protector		
			Thermal protector	Thermal switches	Leakage detector
S3A	S3A40 (D-W) T	0.25			
		0.4			
	S3A50 (D-W) T	0.4	●	×	×
		0.75			
	S3A50 (D-W)	1.5			
S3N	S3A65 (D-W)	1.5			
	S3N40 (D-W) T	0.25			
	S3N50 (D-W) T	0.4		×	×
	S3N50 (D-W)	0.75			
	S3N65 (D-W)	1.5	●		
	S3N80	2.2		△	▲
		3.7			
	S3N100	5.5			
S3V		7.5			
	S3V40 (D-W) T	0.25			
	S3V50 (D-W) T	0.4		×	×
	S3V50 (D-W)	0.75			
	S3V65 (D-W)	1.5	●		
	S3V80	2.2			
		3.7		△	▲
	S3V100	5.5			
S3V100		7.5			

Symbol Description

- : Provided as a standard part.
- △: Mountable if ordered.
- ×: Cannot be mounted due to structure.
- ▲: Electrode type can be installed upon order.

Lineup of ShinMaywa's Submersible Pumps for Wastewater Treatment

* For details, please request a separate catalog.

CNWX

**High Efficiency and
High Solid Passage Capability**

Non-Clog Scroll Submersible Pump

Solid size: 100% of discharge size
Discharge size: 50 - 100 mm
Rated output: 0.75 - 7.5 kW



CN (Large-sized)

Channel Impeller Type (Large Size)

Forced-cooling

Discharge size: 200 - 800 mm
Rated output: 7.5 - 250 kW

Natural-cooling

Discharge size: 200 - 400 mm
Rated output: 7.5 - 45 kW



CNX

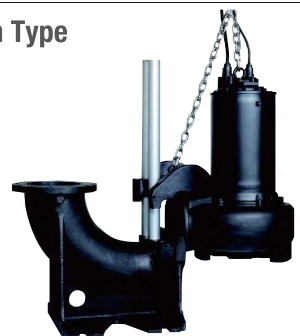
3-inch Solid Pass-through Type

Closed-loop cooling

Discharge size: 150 - 300 mm
Rated output: 11 - 37 kW

Natural cooling type

Discharge size: 150 - 300 mm
Rated output: 5.5 - 37 kW



CR·CRS·CRC

NORUS

Lightweight Submersible Pumps NORUS

Discharge size: 32 - 80 mm
Rated output: 0.1 - 2.2 kW

NORUS series submersible pump offers three advantages: toughness, lightweight and corrosion resistance in combination with highly functional resin and stainless steel.



CNF·CVF·CWF

Submersible Pump with Flywheel

CNF Channel Impeller Type

Discharge size: 80 - 500 mm
Rated Output: 5.5 - 75 kW

CVF Vortex Impeller Type

Discharge size: 80 - 150 mm
Rated Output: 5.5 - 22 kW

CWF Screw Impeller Type

Discharge size: 80 - 150 mm
Rated Output: 5.5 - 22 kW



Submersible Mixed and Axial Flow Pump

SD·SA

Discharge size: 300 - 1,000 mm
Rated output: 11 - 150 kW



FP

Floating Pump

Discharge size: 50 - 80 mm
Rated output: 0.75 - 1.5 kW



For gate use SAH

Discharge size: 300 - 800 mm
Rated output: 7.5 - 75 kW



For low water level SAH-L

Discharge size: 400 - 900 mm
Rated output: 7.5 - 90 kW



* Technical Standards (draft) and Commentaries for Pump System developed by the Association for Pump System Engineering

Liquid level control equipment -
All models are of an environmentally-friendly no-mercury structure.

LC

Level regulator

Useful for potable water, wastewater and sewage containing suspended solids.
Strong for corrosion or rust even when immersed in a corrosive liquid.



MS

Mini switch

Useful for wastewater and sewage containing a few suspended solids.
The MS is available in two types, MS11 (single float) and MS21 (double float).



FV

Oval float

Useful for fresh water as well as wastewater not containing suspended solids.
A single FV can control both the upper and lower liquid levels.



ShinMaywa Pump Selector

ShinMaywa Pump Selector provides you to make easy selection from variety of ShinMaywa pump products to meet your application.

You can get pump selection and datasheet (specifications and performance curve) easily.

In addition to datasheet, you can also get technical information for selected pump including catalogue, drawings, CAD data, etc. through ShinMaywa Product Data Download system seamlessly.

Using ShinMaywa Pump Selector, you can make your decision quickly and make smooth communication with our sales representatives.

[Note] Please contact to our sales representatives for confirmation prior to place the order of ShinMaywa Pump products.



Specifications and dimensions are subject to change without notice.

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ShinMaywa ONO PLANT

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