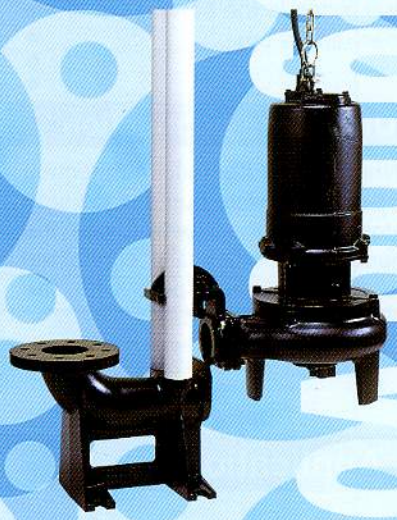
ShinMaywa

Submersible Pumps

(Non-Clogging Vortex Type)
CV/CVH·CVS·CVL·CVC·CVM Series

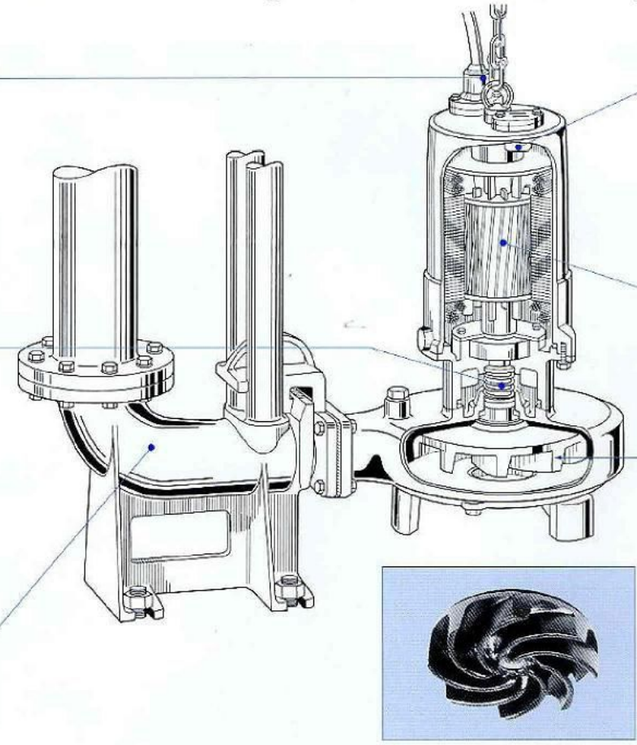
Non-Clogging Vortex Type



Even sewage containing foreign matter does not "clog" or cause "entanglement" in the pump

There are MANY ADVANTAGES with ShinMaywa Submersible Pump.

●Features And Construction



Cable outlet with core sealer

The self-containted core sealer of the cable outlet shuts the water out from penetrating into the motor chamber through the core wires even if the cable tip is immersed in water or the sheath is damaged.

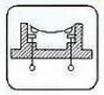
Shaft seal

A highly wear resistant silicon carbide double mechanical seal positively prevents the water from penetrating into the motor chamber. Besides, combined use of an oil seal further extends the service life of the mechanical seal.

Discharge connection

When the automatic connection type submersible pump is lowered along with the guide pipe, the pump is automatically connected to the discharge pipe with the discharge connection.

Mortor protector



A built-in automatic-reset type motor protector (automatic cutoff or thermal protector) positively protects the motor from burnout due to overload, impeller clogging and open phase.

Mortor

Dry type motor with Class E (or Class F) Insulation is employed.

Impeller

A vortex type impeller most suitable for each application is employed. Also, dynamic and static balance of impeller adjusted.

Applications

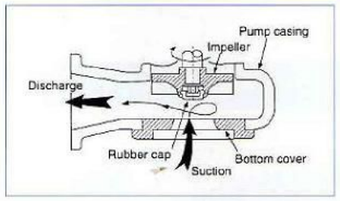
For sewage and sanitary sewage containing a lot of fibrous debris

- ■For use at relay pump stations or manholes to relay raw water.
- ■For discharging sludge and scum at industrial waste water treatment plants, etc.
- ■For use at food processing factories or livestock production facilities to discharge sewage and sludge.
- ■For controlling flow rate and discharging at night soil treatment plants, etc.
- ■For controlling flow rate and dischargin at combined treatment plants.

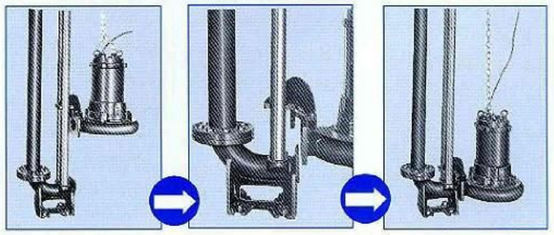
Features of vortex type

As illustrated, a vortex type impeller provides a broad area for passage. thereby eliminating the possible clogging.winding and/or entanglement of solids, fibrous matter. etc.

Sewage or sludge does not directly pass through the interior of an impeller. As a result, the vortex type impeller scarcely abrades while showing an excellent level of durability.



Automatic connection type



CV/CVH

2Poles (under 1.5kW) **4Poles** (over 2.2kW)

Impeller Passage:42~53%

Bore (mm)	40	50	65	80	100	150
Output(kW) 0.15						
0.25						
0.4		●	●			
0.75		●	●			
1.5		●	●●	●		
2.2			●	●	●	
3.7			●	●	●	●
5.5				●	●	●
7.5				●●	●●	●
11					●	●
15					●	●
22					●	●

CV/CVH

CVS

2Poles

Impeller Passage:35~56%

Bore (mm)	40	50	65	80	100	150
Output(kW) 0.15	●					
0.25	●	●				
0.4		●				
0.75		●				
1.5			●	●		
2.2			●	●		
3.7			●	●	●	
5.5				●	●	
7.5				●	●	
11						
15						
22						

CVS

CVL

4Poles

Impeller Passage:56~70%

Bore (mm)	40	50	65	80	100	150
Output(kW) 0.15						
0.25		●				
0.4		●	●			
0.75		●	●			
1.5			●	●		
2.2						
3.7						
5.5						
7.5						
11						
15						
22						

CVL

CVC

4Poles

Impeller Passage:70%

Bore (mm)	40	50	65	80	100	150
Output(kW) 0.15						
0.25						
0.4		●	●			
0.75		●	●			
1.5			●●	●●		
2.2			●●	●	●	
3.7			●	●	●	
5.5				●	●	
7.5				●	●	
11						
15						
22						

CVC

CVM

4Poles

Impeller Passage:100% (CVM150:83%)

Bore (mm)	40	50	65	80	100	150
Output(kW) 0.15						
0.25						
0.4		●				
0.75		●				
1.5			●●	●		
2.2			●●	●●	●	
3.7			●	●●	●●	
5.5				●●	●●	●●
7.5				●●	●●	●●
11						
15						
22						

CVM

CV/CVH Series

<Bore> 50 to 150mm
<Output> 0.4 to 22kW

2Poles
(under 1.5kW)
4Poles
(over 2.2kW)

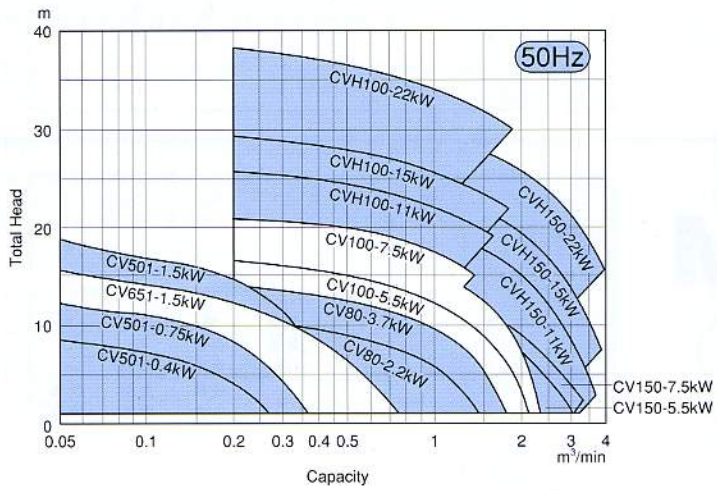
Impeller Passage:42~53%

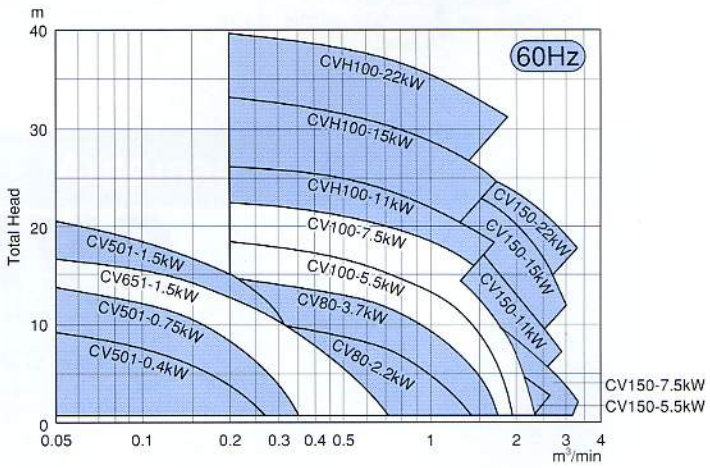
Standard Specifications

Bore mm	Pump Model	Connection Part No. Automatic Connection	Connection Part No. Flange Connection	Output kW	Pole	Capacity—Total Head 50Hz m³/min—m	Capacity—Total Head 60Hz m³/min—m	Impeller Passage Size mm	Weight (Pump Proper) kg
50	CV501T	P50	F50	0.4	2	0.15— 5.9	0.15— 5.9	35	17
	CV501			0.75		0.2 — 8.5	0.2 — 8.5		18
				1.5		0.2 —14.7	0.2 —15.2		26
65	CV501T	P65B	F65B	0.4	2	0.15— 5.9	0.15— 5.9	35	17
	CV501			0.75		0.2 — 8.5	0.2 — 8.5		18
				1.5		0.2 —14.7	0.2 —15.2		26
	CV651	P65	F65	1.5	2	0.4 — 8.7	0.4 — 8.2	46	29
	CV80	P65	F65	2.2	4	0.8 — 7.4	0.7 — 7.7	42	58
				3.7		1.0 — 9.7	0.9 —10.5		70
80	CV651	P80	F80	1.5	2	0.4 — 8.7	0.4 — 8.2	46	29
	CV80	P80B	F80	2.2	4	0.8 — 7.4	0.7 — 7.7	42	58
				3.7		1.0 — 9.7	0.9 —10.5		70
	CV100	P80B	F80	5.5	4	1.2 —11.3	1.2 —12.1		95
				7.5		[1] 1.3 —13.8	[2] 1.3 —14.3		108
						[3] 0.8 —18.5	[4] 0.8 —19.5		
100	CV80	P100B	F100	2.2	4	0.8 — 7.4	0.7 — 7.7	42	58
				3.7		1.0 — 9.7	0.9 —10.5		70
	CV100	P100B	F100	5.5	4	1.2 —11.3	1.2 —12.1		95
				7.5		[1] 1.3 —13.8	[2] 1.3 —14.3		108
						[3] 0.8 —16.5	[4] 0.8 —19.5		
	CVH100	P100C	F100B	11	4	0.8 —23	0.86—23	54	192
				15		0.94—26	0.9 —29		208
				22		1.05—34	0.92—36		262
150	CV150	P150	F150	5.5	4	1.6 — 8.9	1.3 — 8.6	65	120
				7.5		1.9 — 9.4	1.6 —10.5		132
				11		1.9 —16	1.67—16		185
				15		2.15—19	2.05—20		197
				22		2.75—23	2.15—23	68	256

[ ] : Impeller No.

Performance Curves

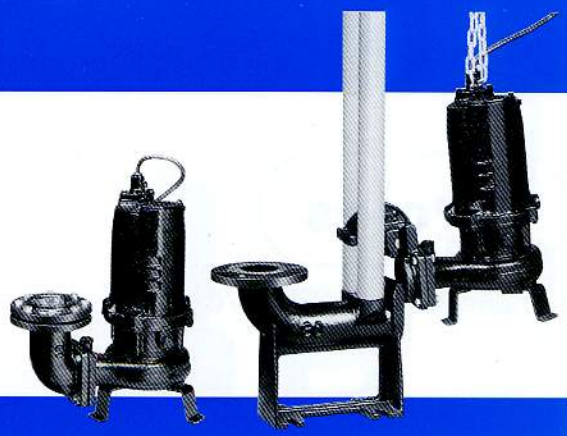




CVS Series <Bore> 40 to 100mm <Output> 0.15 to 11kW

2Poles

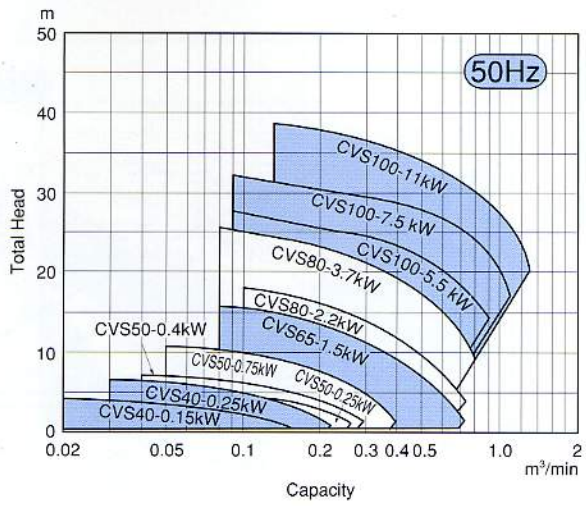
Impeller Passage:35~56%

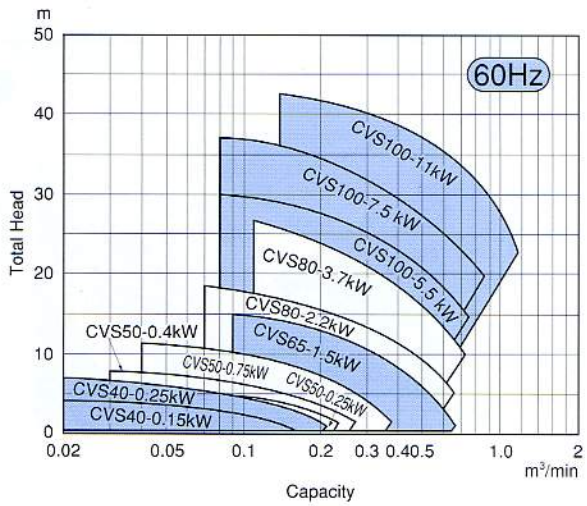


Standard Specifications

Bore mm	Pump Model	Connection Part No. Automatic Connection	Connection Part No. Flange Connection	Output kW	Capacity—Total Head 50Hz m³/min—m	Capacity—Total Head 60Hz m³/min—m	Impeller Passage size mm	Weight (Pump Proper) kg
40	CVS40T	P40	F40	0.15	0.08 — 2.8	0.06 — 3.2	21	14
				0.25	0.10 — 5.0	0.09 — 4.9		17
50	CVS50T	P50	F65B	0.25	0.14 — 4.0	0.12 — 4.0	28	17
				0.4	0.14 — 5.3	0.14 — 5.0		18
	CVS50			0.75	0.17 — 8.5	0.17 — 8.3		21
65	CVS65	P65	F65	1.5	0.42 — 9.0	0.38 — 9.0	30	28.5
	CVS80	P65	F65	2.2	0.44 — 11.0	0.42 — 11.0		46
				3.7	0.51 — 17.0	0.47 — 17.0		55
80	CVS65	P80	F80	1.5	0.42 — 9.0	0.38 — 9.0	30	28.5
	CVS80	P80	F80	2.2	0.44 — 11.0	0.42 — 11.0		46
				3.7	0.51 — 17.0	0.47 — 17.0		55
	CVS100	P80	F80	5.5	0.45 — 22.7	0.40 — 23.6	35	82
				7.5	0.55 — 27.2	0.45 — 28.5		92
				11	0.60 — 33.0	0.60 — 35.6		120
100	CVS80	P100	F100	3.7	0.51 — 17.0	0.47 — 17.0	30	55
	CVS100	P100	F100	5.5	0.45 — 22.7	0.40 — 23.6	35	82
				7.5	0.55 — 27.2	0.45 — 28.5		92
				11	0.60 — 33.0	0.60 — 35.6		120

Performance Curves

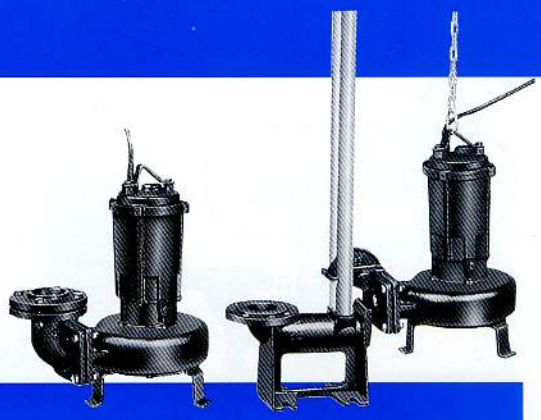




CVL Series <Bore> 50 to 180mm <Output> 0.25 to 1.5kW

4 Poles

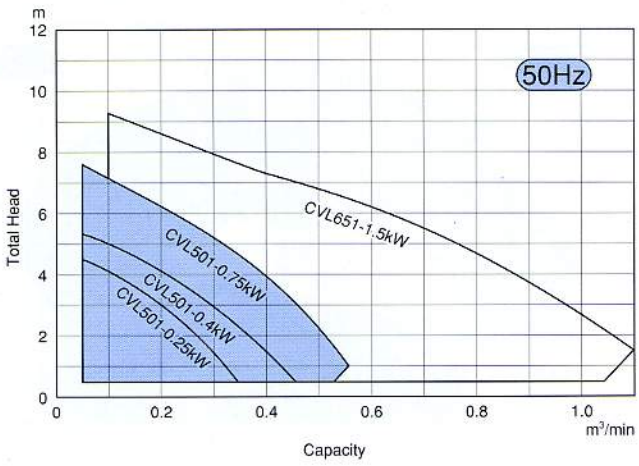
Impeller Passage:56~70%

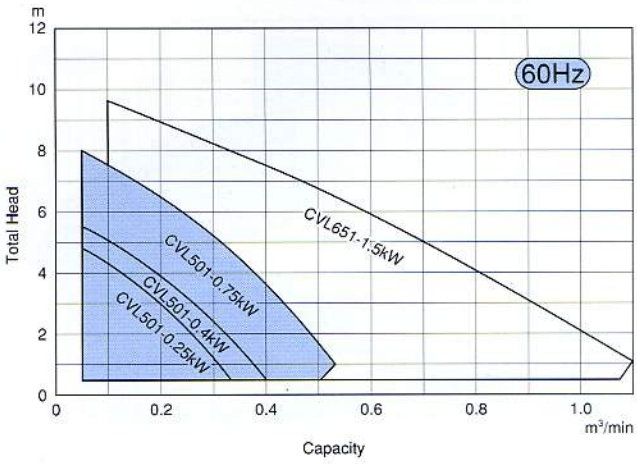


Standard Specifications

Bore mm	Pump Model	Connection Part No. Automatic Connection	Connection Part No. Flange Connection	Output kW	Capacity—Total Head 50Hz m³/min—m	Capacity—Total Head 60Hz m³/min—m	Impeller Passage Size mm	Weight (Pump Proper) kg
50	CVL501	P50	F50	0.25	0.19 — 3.1	0.19 — 3.0	28	19
				0.4	0.26 — 3.5	0.23 — 3.5	35	26
				0.75	0.32 — 5.0	0.32 — 5.0		27
65	CVL501	P65B	F65B	0.4	0.26 — 3.5	0.23 — 3.5	35	26
				0.75	0.32 — 5.0	0.32 — 5.0		27
	CVL651	P65	F65	1.5	0.63 — 6.0	0.59 — 6.0	40	45
80	CVL651	P80	F80	1.5	0.63 — 6.0	0.59 — 6.0	40	45

Performance Curves





CVC Series

<Bore> 50 to 100mm
<Output> 0.4 to 7.5kW

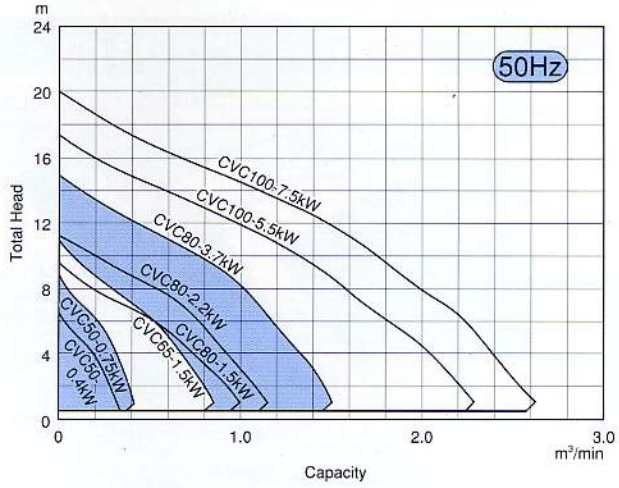
4 Poles

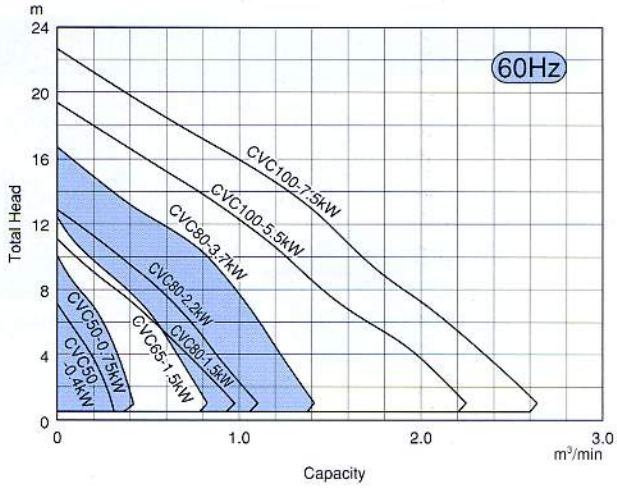
Impeller Passage:70%

Standard Specifications

Bore mm	Pump Model	Connection Part No. Automatic Connection	Connection Part No. Flange Connection	Output kW	Capacity—Total Head 50Hz m³/min—m	Capacity—Total Head 60Hz m³/min—m	Impeller Passage Size mm	Weight (Pump Proper) kg
50	CVC50	P50	F50	0.4	0.18 — 4.2	0.18 — 4.2	35	23.5
				0.75	0.23 — 5.8	0.23 — 6.5		26
65	CVC50	P65B	F65B	0.4	0.18 — 4.2	0.18 — 4.2	35	23.5
				0.75	0.23 — 5.8	0.23 — 6.5		26
	CVC65	P65	F65	1.5	0.45 — 6.7	0.45 — 7.2	45	39.5
	CVC80	P65	F65	1.5	0.52 — 6.0	0.52 — 6.0	56	43
				2.2	0.6 — 7.5	0.6 — 7.5		43
				3.7	0.8 — 9.8	0.8 — 10.1		54.5
80	CVC65	P80	F80	1.5	0.45 — 6.7	0.45 — 7.2	45	39.5
	CVC80	P80B	F80	1.5	0.52 — 6.0	0.52 — 6.0	56	43
				2.2	0.6 — 7.5	0.6 — 7.5		54.5
				3.7	0.8 — 9.8	0.8 — 10.1		64
	CVC100	P80B	F80	5.5	1.2 — 10.7	1.2 — 10.5	70	89
				7.5	1.3 — 13.0	1.3 — 13.7		98
100	CVC80	P100B	F100	2.2	0.6 — 7.5	0.6 — 7.5	56	54.5
				3.7	0.8 — 9.8	0.8 — 10.1		64
	CVC100	P100B	F100	5.5	1.2 — 10.7	1.2 — 10.5	70	89
				7.5	1.3 — 13.0	1.3 — 13.7		98

Performance Curves





CVM Series <Bore> 50 to 100mm <Output> 0.4 to 7.5kW

4 Poles

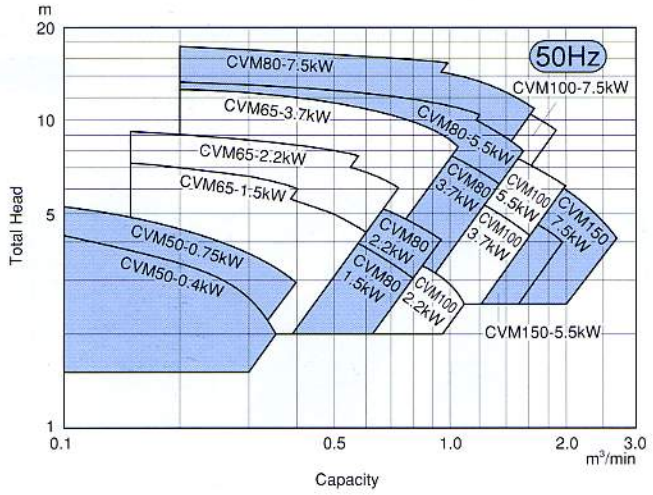
Impeller Passage:100%
(CVM150:83%)

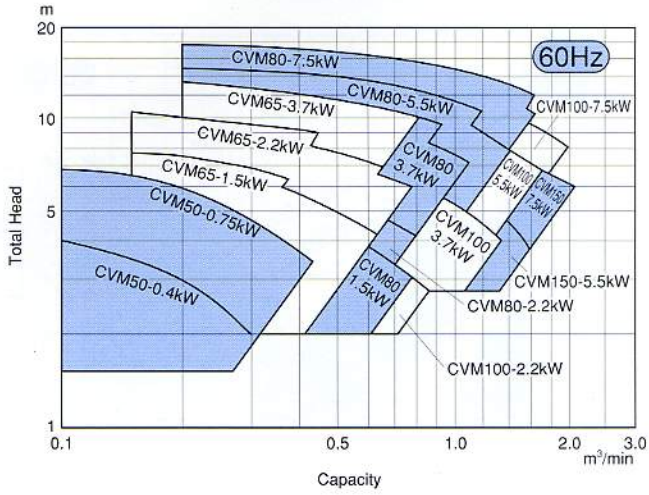
Standard Specifications

Bore mm	Pump Model	Connection Part No. Automatic Connection	Connection Part No. Flange Connection	Output kW	Capacity—Total Head 50Hz m³/min—m	Capacity—Total Head 60Hz m³/min—m	Impeller Passage Size mm	Weight (Pump Proper) kg
50	CVM501	P50	F50	0.4	0.18 — 3.55	0.17 — 3.3	50	25
				0.75	0.23 — 4.1	0.22 — 5.7		26
65	CVM65	P65	F65	1.5	[1] 0.21 — 6.9	[2] 0.20 — 7.5	65	43
					[3] 0.37 — 5.8	[4] 0.33 — 6.1		
				2.2	[1] 0.28 — 8.8	[2] 0.20 — 10.0		55
					[3] 0.38 — 7.9	[4] 0.34 — 8.4		
				3.7	[1] 0.52 — 11.4	[2] 0.64 — 10.6		69
80	CVM80	P80B	F80	1.5	[5] 0.2 — 6.5	[6] 0.16 — 6.9	80	46
					[7] 0.42 — 4.7	[8] 0.40 — 4.9		
				2.2	[5] 0.26 — 7.2	[4] 0.25 — 7.5		58
					[7] 0.45 — 5.9	[6] 0.38 — 5.8		
				3.7	[1] 0.42 — 11.0	[2] 0.46 — 11.2		72
					[3] 0.66 — 9.2	[4] 0.57 — 10.0		
				5.5	[1] 0.56 — 12.4	[2] 0.55 — 13.0		93
					[3] 0.84 — 11.0	[4] 0.86 — 10.8		
				7.5	[1] 0.47 — 16.4	[2] 0.80 — 16.0		106
					[3] 0.94 — 14.0	[4] 1.00 — 14.1		
100	CVM100	P100C	F100B	2.2	[9] 0.24 — 6.9	[8] 0.23 — 5.0	100	61
					[11] 0.50 — 4.5	[10] 0.47 — 3.7		
				3.7	[5] 0.40 — 9.3	[6] 0.30 — 9.5		73
					[7] 0.78 — 6.7	[8] 0.72 — 6.2		
				5.5	[5] 0.62 — 10.8	[6] 0.44 — 12.0		97
					[7] 1.02 — 8.9	[8] 0.86 — 9.4		
				7.5	[5] 0.52 — 14.6	[6] 0.80 — 13.2		111
					[7] 0.96 — 12.0	[8] 1.05 — 11.8		
150	CVM150	P150	F150	5.5	[7] 0.51 — 7.6	[8] 0.55 — 7.3	125	107
					[9] 0.80 — 6.5	[10] 0.64 — 6.2		
				7.5	[9] 0.92 — 9.4	[8] 0.78 — 9.7		123
					[11] 1.32 — 7.6	[10] 1.04 — 8.1		

[ ] : Impeller No.

Performance Curves





Standard Accessories

· Cable (Under 7.5kW) ·····1pc. 6m for under 0.75kW
(Over 11kW) ·····3pcs. 8m for 1.5kW to 22kW

Automatic Connection Set

· Connection
· Guide holder
(with bolt and nuts)
· Sliding bracket
· Pump lifting chain (6m)

Bore	Connection	Pump Model					Weight kg	
mm	Part No.	CV/CVH	CVS	CVL	CVC	CVM	Set	Connection
40	P40	—	CVS40T	—	—	—	11	4.5
50	P50	CV501(T)	CVS50	CVL501	CVC50	CVM50	11	4.5
65	P65B	CV501(T)	—	CVL501	CVC50		20	14.5
	P65	CV651 CV80	CVS651 CVS80	CVL651	CVC65 CVC80	CVM65	24	15
80	P80	CV651	CVS651 CVS80	CVL651	CVC65	—	31.5	20.5
	P80B	CV80 CV100	—	—	CVC80 CVC100	CVM80	31.5	18
100	P100	—	CVS80 CVS100	—	—	—	40.5	27
	P100B	CV80 CV100	—	—	CVC80 CVC100	—	40.5	27
	P100C	CVH100	—	—	—	CVM100	55	37
150	P150	CV150	—	—	—	CVM150	60	42

Flange Connection Set

· Discharge side flange
· Companion flange
(with bolts,nuts and packing)

Bore	Connection	Pump Model					Set Weight
mm	Part No.	CV/CVH	CVS	CVL	CVC	CVM	kg
40	F40	—	CVS40	—	—	—	★
50	F50	CV501(T)	CVS50	CVL501	CVC50	CVM50	★
65	F65B	CV501(T)	—	CVL501	CVC50		5.5
	F65	CV651 CV80	CVS651 CVS80	CVL651	CVC65 CVC80	CVM65	7
80	F80	CV651 CV80 CV100	CVS651 CVS80 CVS100	CVL651	CVC65 CVC80 CVC100	CVM80	9.5
100	F100	CV80 CV100	CVS80 CVS100		CVC80 CVC100	—	11
	F100B	CVH100	—	—	—	CVM100	12
150	F150	CV150	—	—	—	CVM150	30

★ : Built-in with the pump proper.

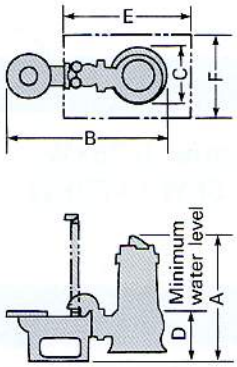
Main Specification

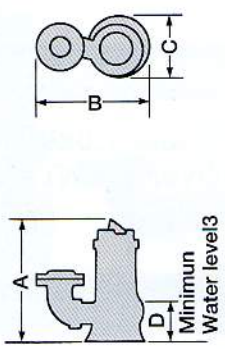
Handling Liquid	Kind of Liquid	Waste Water and Sewage or Water including Sludge
Material	Cable	VCT(Over 11kW:2RNCT)
	Motor Shaft	SUS 420J2
	Pump Casing	FC 200
	Impeller	FC 200(CVM65·80·100·150:FCD500)
Electric Motor	Type	Dry-type Sumersible Induction Motor
	Insulation Class	Class E(or Class F)
	Enclosure	IP68
	Phase	Three Phase
	Voltage	According to the specifications.

Special Specification

Cable Extension	Length of Cable 15 · 20 · 30m		
Material Change		CV/CVH·CVS·CVL	CVC · CVM
	Impeller	SCS13(SUS304)	SCS13,High-chrome alloyed iron casting
	Base Cover	SCS13(SUS304)	—
	Lifting Chain	SUS304	

Dimensions





Automatic Connection

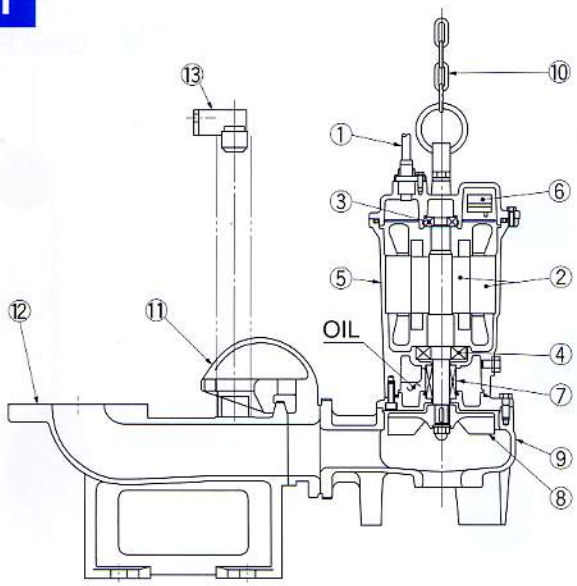
	Pump Model	Connection Part No.	Output kW	A	B	C	D	E	F
CV/CVH	CV501(T)	P50	0.4 ·0.75	461	427	156	180	550	350
		P65B			500				
	CV501	P50	1.5	501	448	176	195	550	350
		P65B			521				
	CV651	P65	1.5	539	627	182	235	550	350
		P80		579	703		275		
	CV80	P85	2.2	580	754	292	220	600	500
			3.7	642	773	331			
		P80	2.2	620	830	292	260	600	500
			3.7	682	849	331		700	600
		P100B	2.2	710	843	292		600	500
			3.7	745	862	331		700	600
	CV100	P80B	5.5	710	907	355	260	700	600
			7.5	745	922	387			
		P100B	5.5	710	920	355			
			7.5	745	935	387			
	CVH100	P100C	11	861	1,110	486	335	900	700
			15						
			22	955	1,132	529			
	CV150	P150	5.5	779	1,094	400	325	900	700
			7.5	814					
			11	871	1,148	450	345		
			15						
			22	967	1,188	489			
CVS	CVS40T	P40	0.15·0.25	441	443	188	170	550	350
	CVS50(T)	P50	0.25	441	443	188	175	550	350
			0.4 ·0.75	461					
	CVS651	P65	1.5	516	663	192	200	550	350
		P80		556	739		240		
	CVS80	P65	2.2	580	697	266	200	550	350
			3.7	620					
		P80	2.2	621	773		240		
			3.7	661					
		P100	3.7	661	786		240		
	CVS100	P80	5.5	698	803	248	255	700	600
			7.5	733					
			11	814	836	284			
		P100	5.5	698	816	248			
			7.5	733					
			11	814	849	284	174		
CVL	CVL501	P50	0.25	418	465	220	160	550	350
			0.4 ·0.75	469	506	246	165		
		P65B	0.4 ·0.75	469	579	246	165		
	CVL651	P65	1.5	564	725	302	220	550	350
		P80		604	801		260		
CVC	CVC50	P50	0.4 ·0.75	497	490	204	190	550	350
		P65B			563				
	CVC65	P65	1.5	586	643	230	235	550	350
		P80		626	719		275		
	CVC80	P65	1.5	591	683	230	240	550	350
			2.2	607	709	282	245	600	500
			3.7	669					
		P80B	1.5	631	759	230	280	550	350
			2.2	647	785	282	285	600	500
			3.7	709					
		P100B	2.2	647	798				
			3.7	709					
	CVC100	P80B	5.5	749	846	324	300	700	600
			7.5	784					
		P100B	5.5	749	859				
			7.5	784					
CVM	CVM50	P50	0.4 ·0.75	506	475	188	195	550	350
	CVM65	P65	1.5	601	637	219	243	550	350
			2.2	625	687	238	260		
			3.7	687	696	257			
	CVM80	P80B	1.5	659	758	230	301	550	350
			2.2	673	769	249	308		
			3.7	735	777	267		600	500
			5.5	765	830	292	310	700	600
			7.5	800	841	313			
	CVM100	P100C	2.2 50Hz	740	781	248	375	600	500
			60Hz	734			369		
			3.7	803	817	280	376		
			5.5	841	851	310	386	700	600
			7.5	859	873	332	379		
	CVM150	P150	5.5	854	907	304	399	700	600
			7.5	881	921	331	391		

Flange Connection

Pump Model	Connection Part No.	Output kW	A	B	C	D
CV501(T)	F50	0.4 ·0.75	415	229	156	135
	F65B			324		
CV501	F50	1.5	455	250	176	150
	F65B			345		
CV651	F65	1.5	474	382	182	170
	F80			397		
CV80	F85	2.2	550	509	292	190
		3.7	612	528	331	
	F80	2.2	550	524	292	
		3.7	612	543	331	
	F100	2.2	550	541	292	
		3.7	612	560	331	
CV100	F80	5.5	640	601	355	190
		7.5	675	616	387	
	F100	5.5	640	618	355	
		7.5	675	633	387	
CVH100	F100B	11	782	846	486	256
		15				
		22	876	870	529	
CV150	F150	5.5	713	836	400	260
		7.5	748			
		11	804	890	450	278
		15				
		22	901	930	489	
CVS40T	F40	0.15·0.25	370	245	188	100
CVS50(T)	F50	0.25	383	245	188	115
		0.4 ·0.75	403			
CVS651	F65	1.5	440	418	192	125
	F80			433		
CVS80	F65	2.2	538	452	266	160
		3.7	579			
	F80	2.2	538	467		
		3.7	579			
	F100	3.7	579	484		
CVS100	F80	5.5	616	497	248	173
		7.5	651			
		11	733	529	284	174
	F100	5.5	616	514	248	173
		7.5	651			
		11	733	529	284	174
CVL501	F50	0.25	378	267	220	120
		0.4 ·0.75	445	308	246	140
	F65B	0.4 ·0.75	445	403	246	140
CVL651	F65	1.5	529	480	302	180
	F80			495		
CVC50	F50	0.4 ·0.75	451	292	204	145
	F65B			387		
CVC65	F65	1.5	525	398	230	175
	F80			413		
CVC80	F65	1.5	549	438	230	200
		2.2	565	464	282	205
		3.7	627			
	F80	1.5	549	453	230	200
		2.2	565	479	282	205
		3.7	627			
	F100	2.2	565	496		
		3.7	627			
CVC100	F80	5.5	693	540	324	245
		7.5	728			
	F100	5.5	693	557		
		7.5	728			
CVM50	F50	0.4 ·0.75	486	277	188	172
CVM65	F65	1.5	572	392	219	230
		2.2	595	442	238	
		3.7	657	451	257	
CVM80	F80	1.5	573	452	230	258
		2.2	630	462	249	265
		3.7	692	471	267	
		5.5	722	523	292	267
		7.5	757	534	313	
CVM100	F100	2.2 50Hz	677	479	248	312
		60Hz	671			306
		3.7	740	515	280	313
		5.5	778	549	310	323
		7.5	806	571	332	316
CVM150	F150	5.5	828	649	304	373
		7.5	856	663	331	366

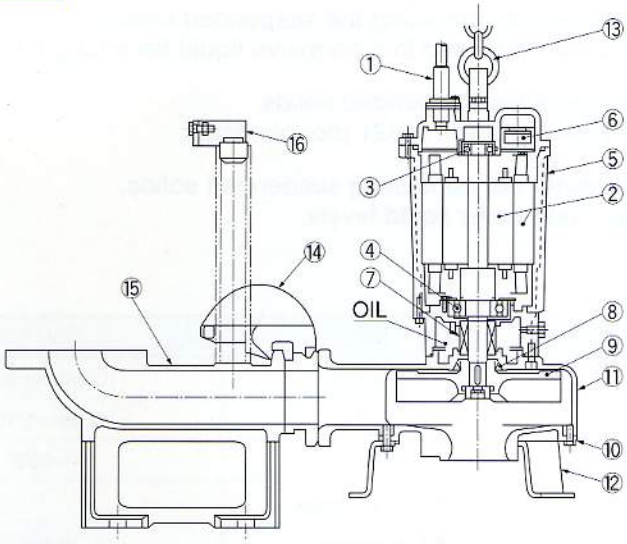
Sectional View

CV651



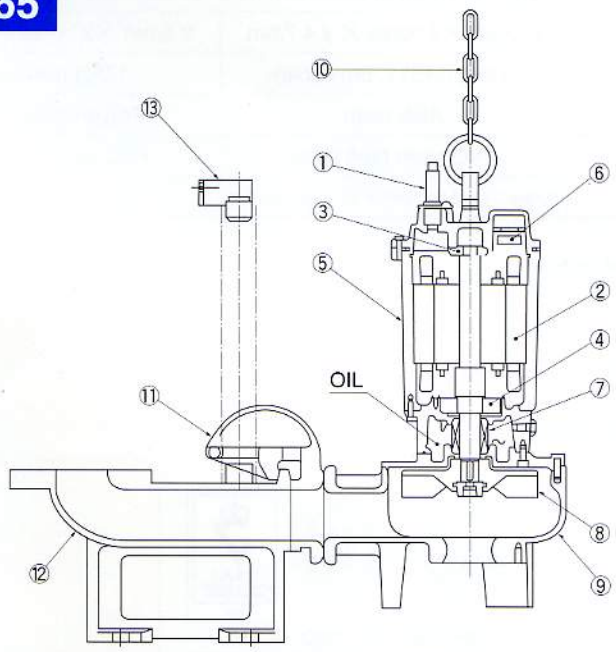
No.	Part Name	Material
1	Cable	VCT
2	Motor	Shaft=SUS420J2
3	Ball Bearing(Upper)	——
4	Ball Bearing(Lower)	——
5	Stator Casing	FC200
6	Auto Cut	——
7	Mechanical Seal	——
8	Impeller	FC200
9	Pump Casing	FC200
10	Lifting Chain	SS400
11	Sliding Bracket	FC200
12	Connection	FC200
13	Guide Holder	SCS13

CVL651



No.	Part Name	Material
1	Cable	VCT
2	Motor	Shaft=SUS420J2
3	Ball Bearing(Upper)	——
4	Ball Bearing(Lower)	——
5	Stator Casing	FC200
6	Auto Cut	——
7	Mechanical Seal	——
8	Oil Seal	N.B.R.
9	Impeller	FC200
10	Base Cover	FC200
11	Pump Casing	FC200
12	Stand	SS400
13	Lifting Chain	SS400
14	Sliding Bracket	FC200
15	Connection	FC200
16	Guide Holder	SS400

CVC65



No.	Part Name	Material
1	Cable	VCT
2	Motor	Shaft=SUS420J2
3	Ball Bearing(Upper)	——
4	Ball Bearing(Lower)	——
5	Stator Casing	FC200
6	Auto Cut	——
7	Mechanical Seal	——
8	Impeller	FC200
9	Pump Casing	FC200
10	Lifting Chain	SS400
11	Sliding Bracket	FC200
12	Connection	FC200
13	Guide Holder	SCS13

★ Note:VCT:Polyvinyl-choloride sheathed cabtyre cable SUS:Stainless steel SS:Mild steel FC:Gray iron casting

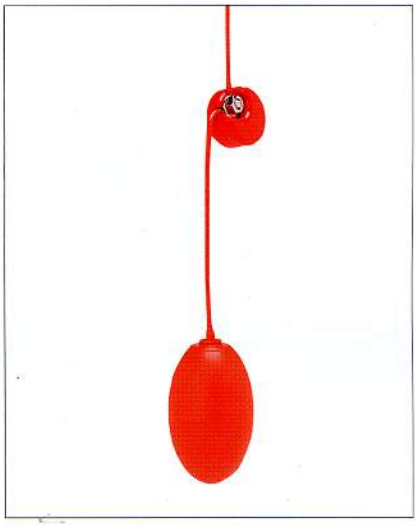
Special Accessories

Liquid Level Regulators - All models are non-mercury structure for earth environment.

LC "Level Switch"

MS "Mini Switch"

FV "Oval Float"



Features

LC Useful for drinking water, waste water and sewage containing the suspended solids.
Hardly affected by corrosion or rust even if it is immersed in a corrosive liquid for a long time.

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

FV Useful for the fresh water as well as waste water not containing suspended solids.
A single FV is able to control both the upper and lower liquid levels.

Specifications

Model		LC12	MS11, MS21	FV11
Switch		Micro Switch	Lead Switch	Lead Switch
Specific gravity of liquid		0.95~1.15	0.95~1.10	0.95~1.10
Liquid Temp		0~60℃	0~40℃	0~60℃
Voltage		AC/DC30V or under		
Current		5A or under	0.5A or under	0.6A
Cable Length		6m, 13m, 20m, 30m, 40m, 50m (further cable extension at interval of 10m)		
Cable Type		0.75mm²×3 cores, Flat Type	0.2mm²×2 cores × ϕ 4.7mm	0.5mm²×2 cores × ϕ 5.8mm
Weight (including cable)		1.2kg (6m cable)	0.6kg (MS11, 6m cable)	1.0kg (6m cable)
Material	Case	Polypropylene resin	ABS resin	Polypropylene resin
	Cable	VCTFK	PVC resin (soft type)	PVC resin (soft type)
	Others	Chain : SUS304	Sinker : Cast iron with PVC resin coating	Sinker : Cast iron

Specifications and dimensions are subject to change without notice.

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