

ShinMaywa

Submersible Pumps

(Non-Clogging Vortex Type)

CV/CVH·CVS·CVL·CVC·CVM Series



Non-Clogging Vortex Type

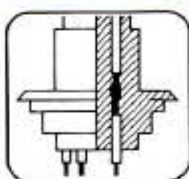
Even sewage containing foreign matter does not "clog" or cause "entanglement" in the pump

There are **MANY ADVANTAGES** with ShinMaywa Submersible Pump.

●Features And Construction

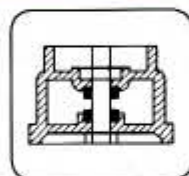
Cable outlet with core sealer

The self-contained 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.



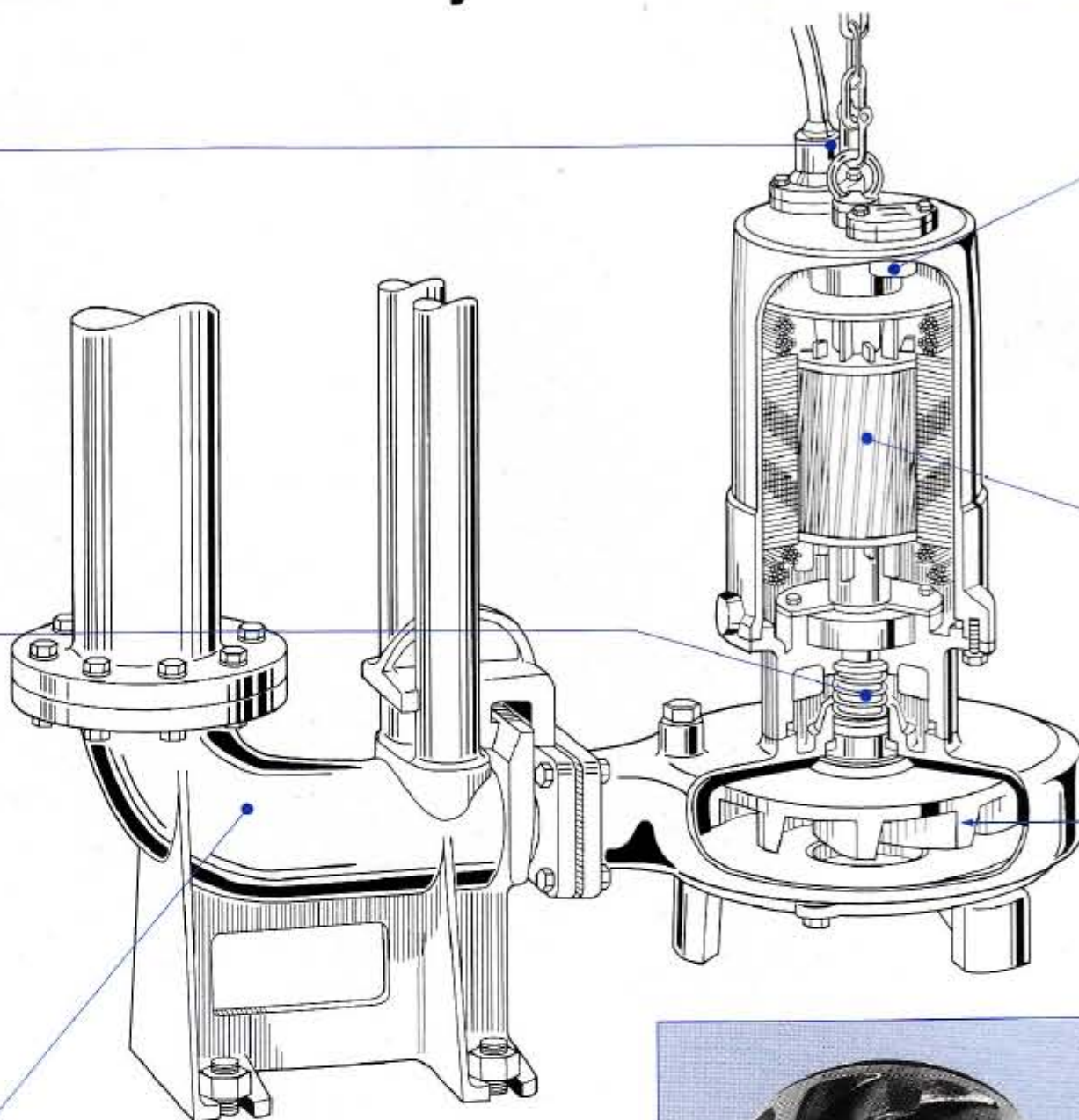
Shaft seal

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.



Applications

For sewage and sanitary sewage containing a lot of fibrous debris

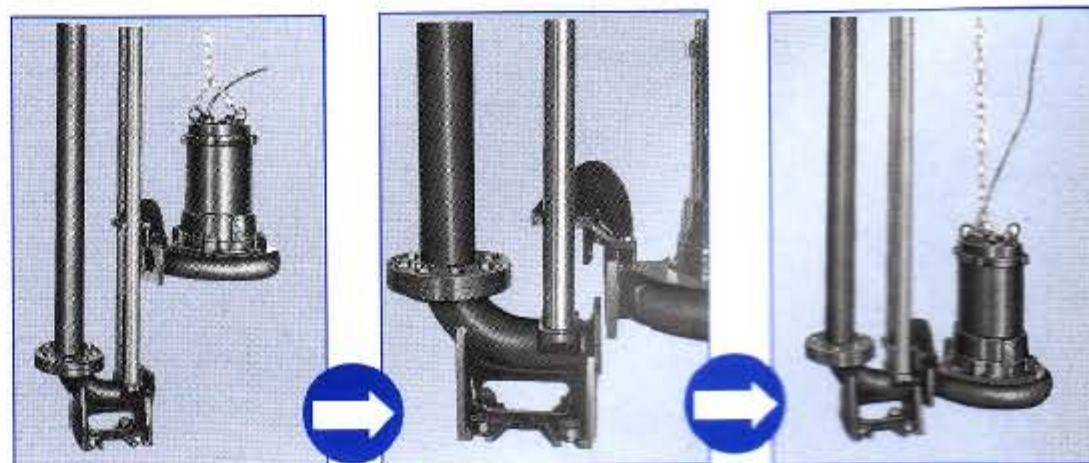
- For use at relay pump stations or manholes to relay raw water.
- For discharging sludge and scum at industrial waste water treatment plants, etc.
- For use at food processing factories or livestock production facilities to discharge sewage and sludge.
- For controlling flow rate and discharging at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

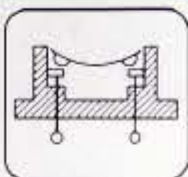
Sewage or sludge does not directly pass through the interior of an impeller. As a result, the vortex type impeller scarcely abrades while showing an excellent level of durability.

Automatic connection type



Motor 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.

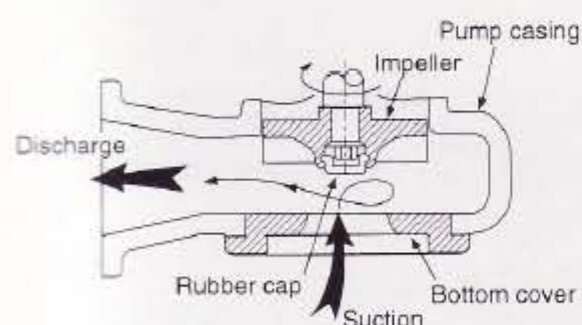


Motor

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.



CV/ CVH

2Poles

(1.5kW or under)

4Poles

(2.2kW or over)

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					•	•

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						

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						

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						

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						

CV/CVH

CVS

CVL

CVC

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%

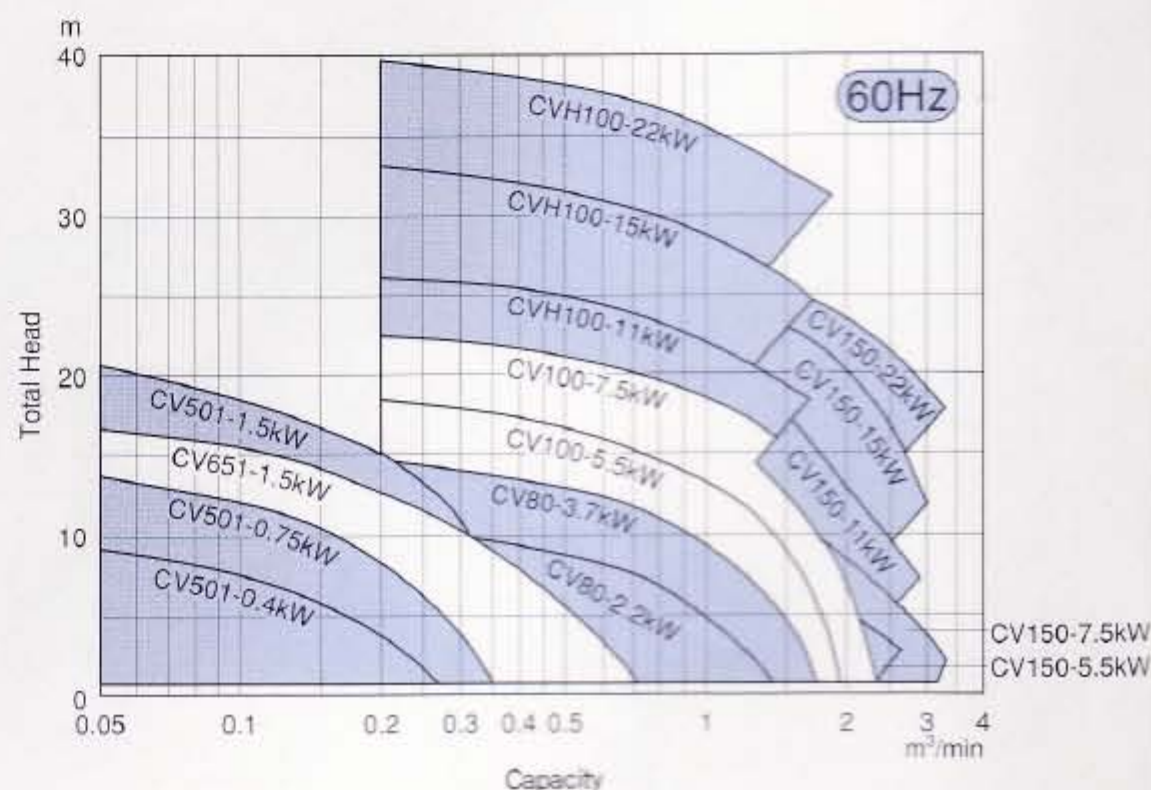
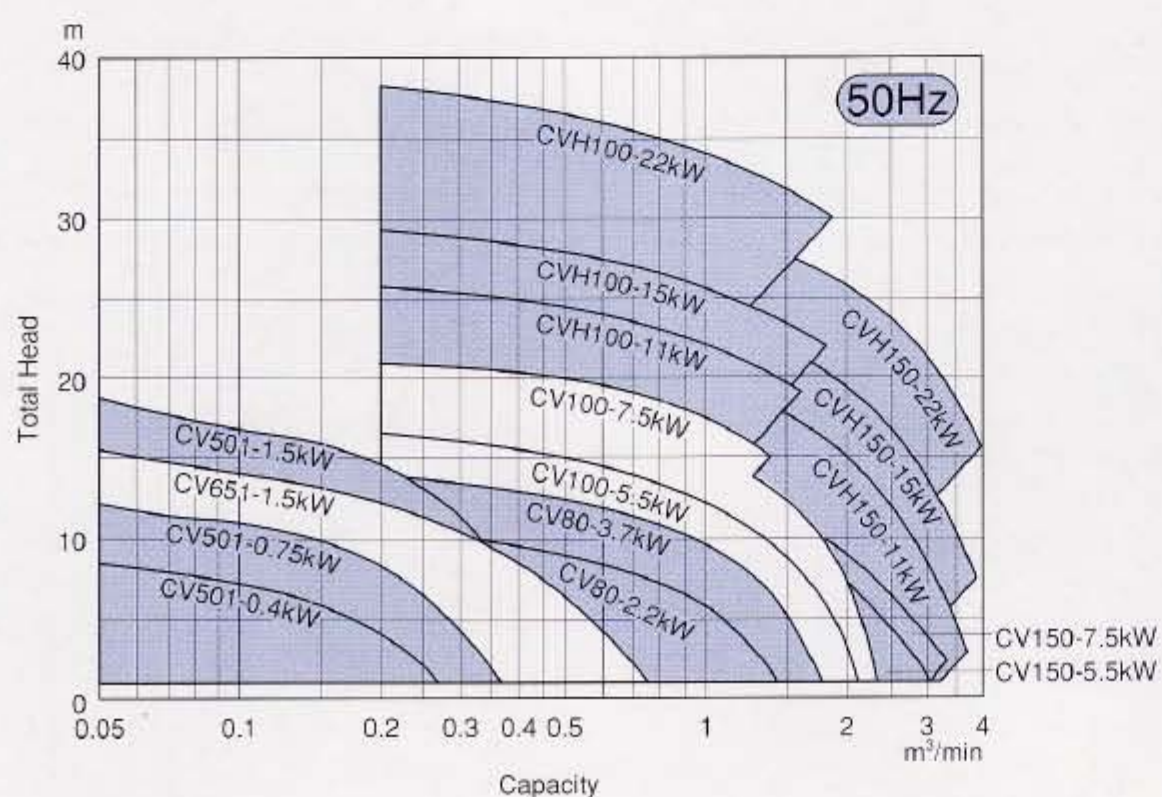


Standard Specifications

Bore	Pump Model	Connection Part No.		Output	Pole	Capacity—Total Head		Impeller Passage Size mm	Weight (Pump Proper) kg
mm		Automatic Connection	Flange Connection			50Hz m³/min—m	60Hz m³/min—m		
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 —18.5	[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

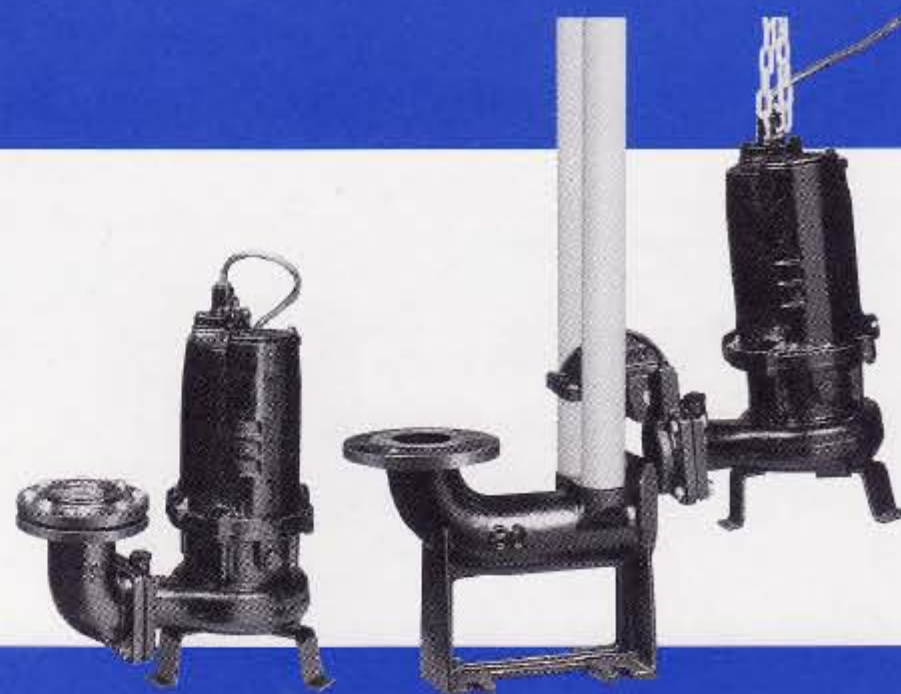


CVS Series

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

2Poles

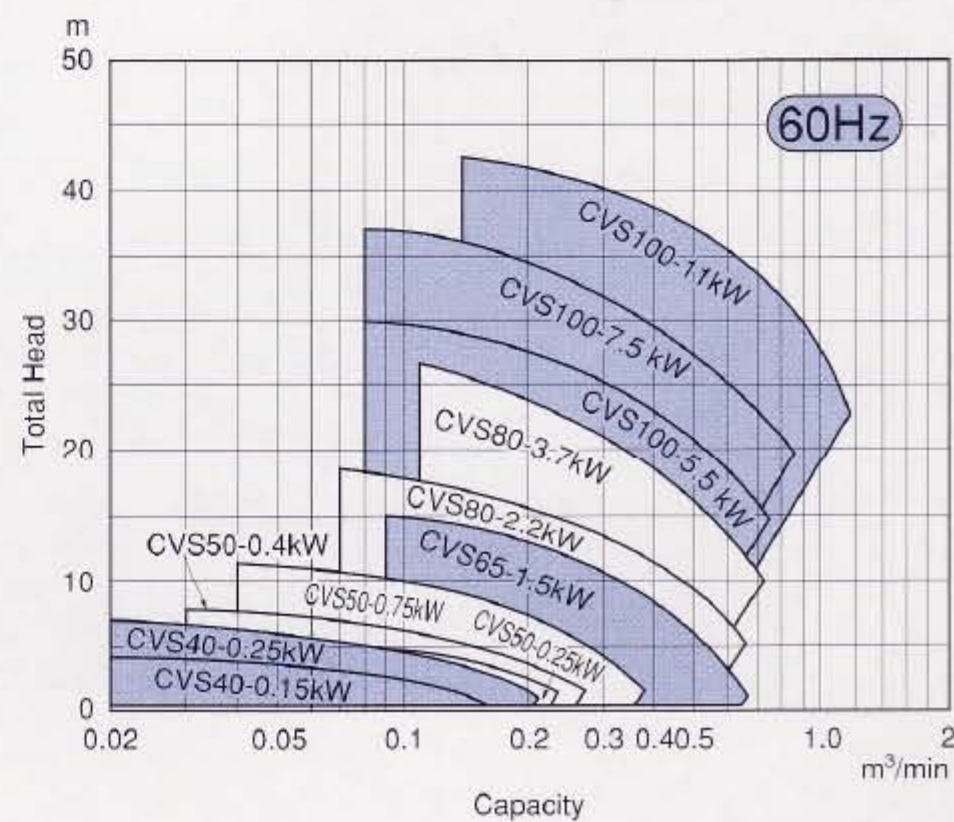
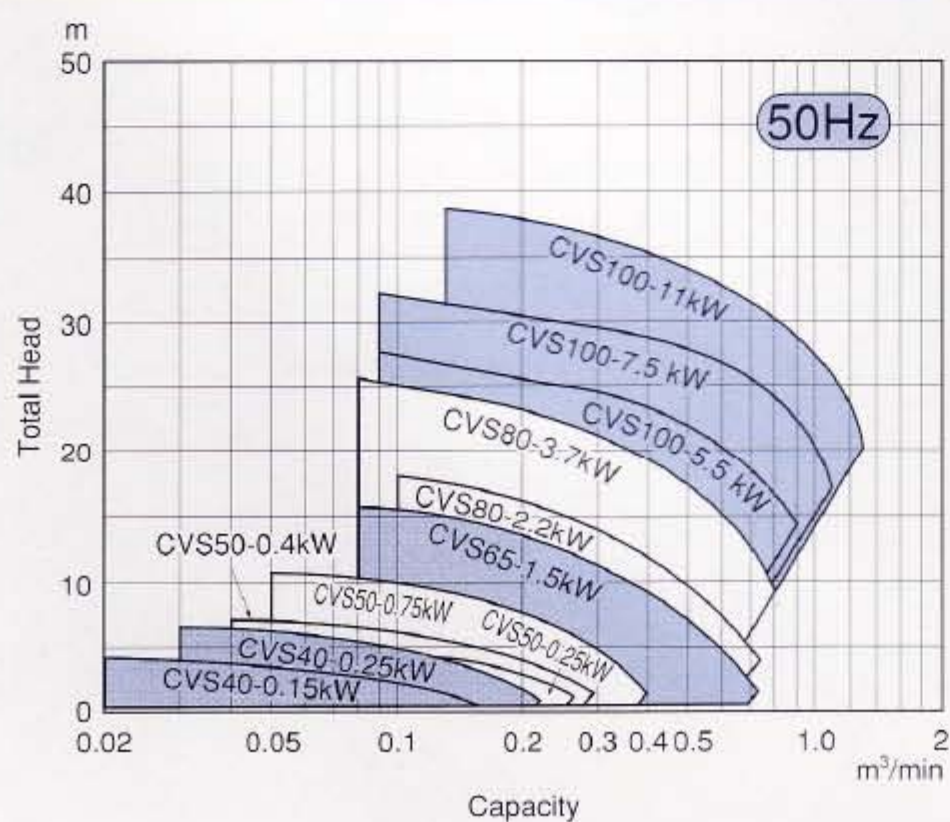
Impeller Passage: 35~56%



Standard Specifications

Bore mm	Pump Model	Connection Part No.		Output kW	Capacity—Total Head		Impeller Passage size mm	Weight (Pump Proper) kg
		Automatic Connection	Flange Connection		50Hz m ³ /min—m	60Hz m ³ /min—m		
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
				2.2	0.44 — 11.0	0.42 — 11.0		46
	CVS80	P65	F65	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
				2.2	0.44 — 11.0	0.42 — 11.0		46
				3.7	0.51 — 17.0	0.47 — 17.0		55
				5.5	0.45 — 22.7	0.40 — 23.6	35	82
	CVS100	P80	F80	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
				5.5	0.45 — 22.7	0.40 — 23.6	35	82
	CVS100	P100	F100	7.5	0.55 — 27.2	0.45 — 28.5		92
				11	0.60 — 33.0	0.60 — 35.6		120

Performance Curves

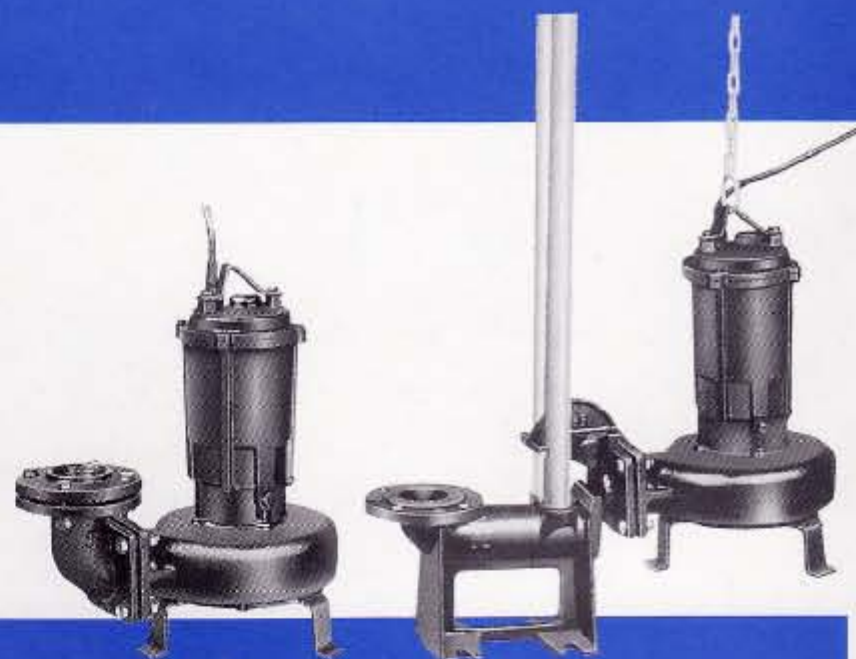


CVL Series

<Bore> 50 to 80mm
<Output> 0.25 to 1.5kW

4 Poles

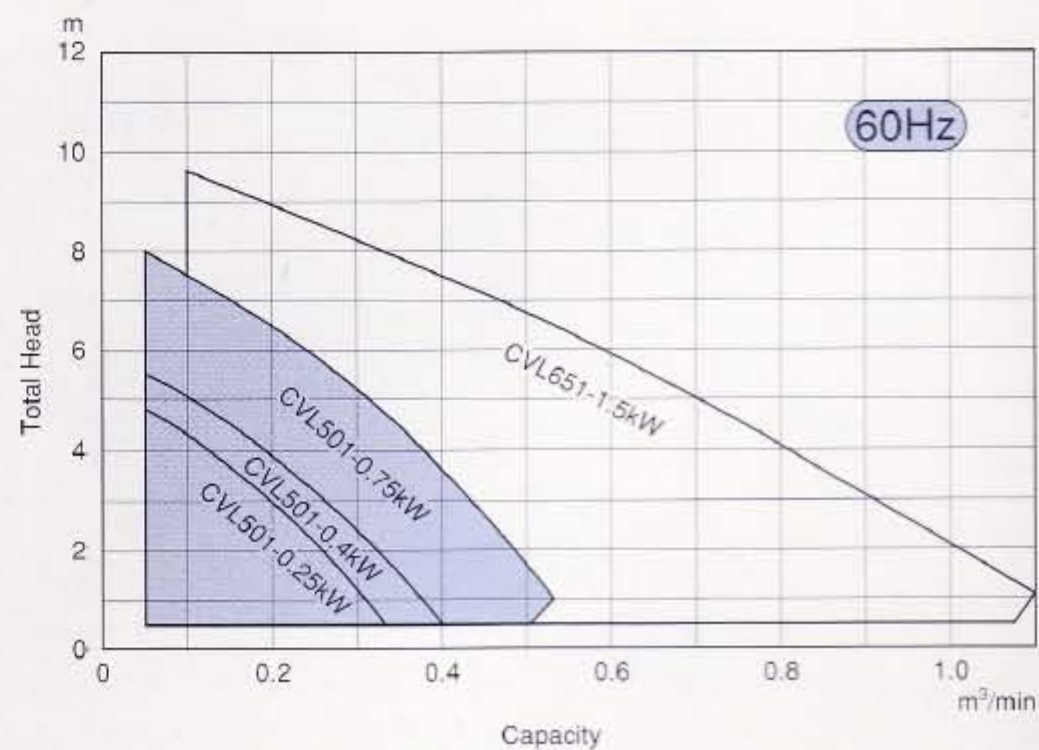
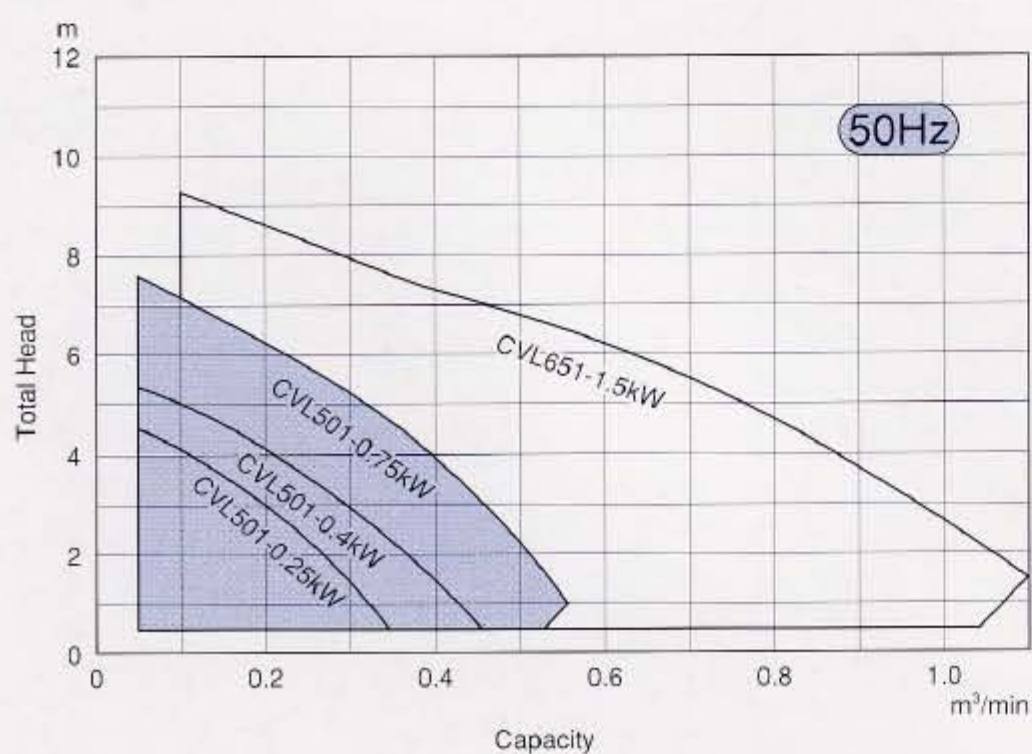
Impeller Passage: 56~70%



Standard Specifications

Bore mm	Pump Model	Connection Part No.		Output kW	Capacity—Total Head		Impeller Passage Size mm	Weight (Pump Proper) kg
		Automatic Connection	Flange Connection		50Hz m ³ /min—m	60Hz m ³ /min—m		
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

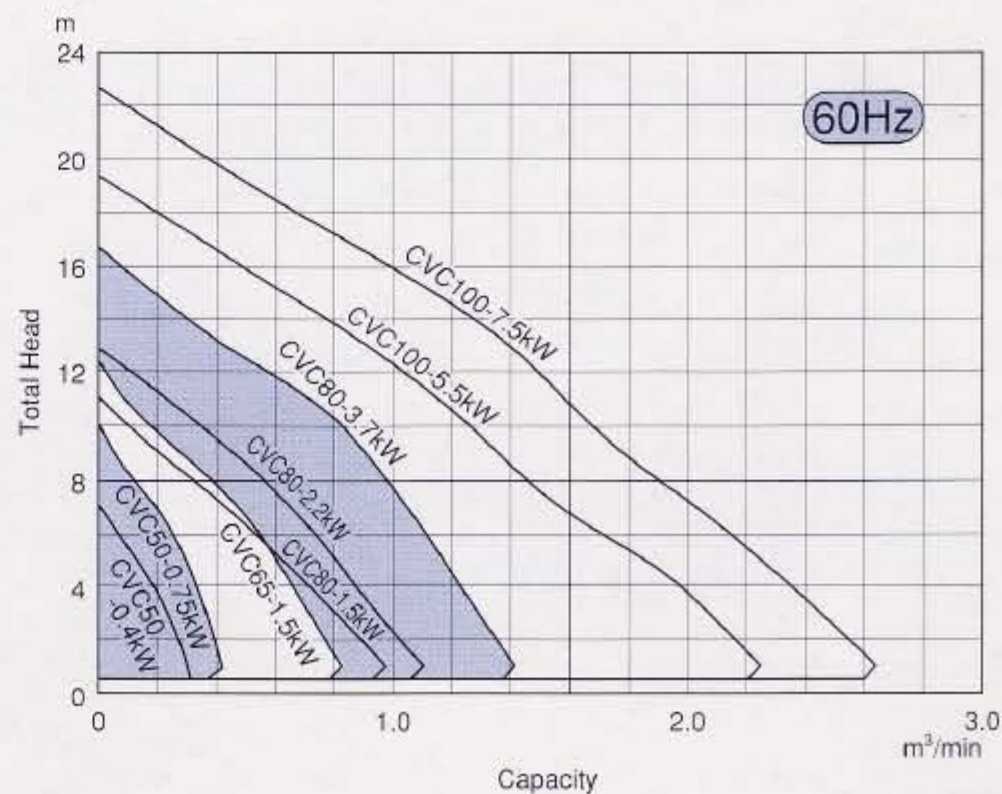
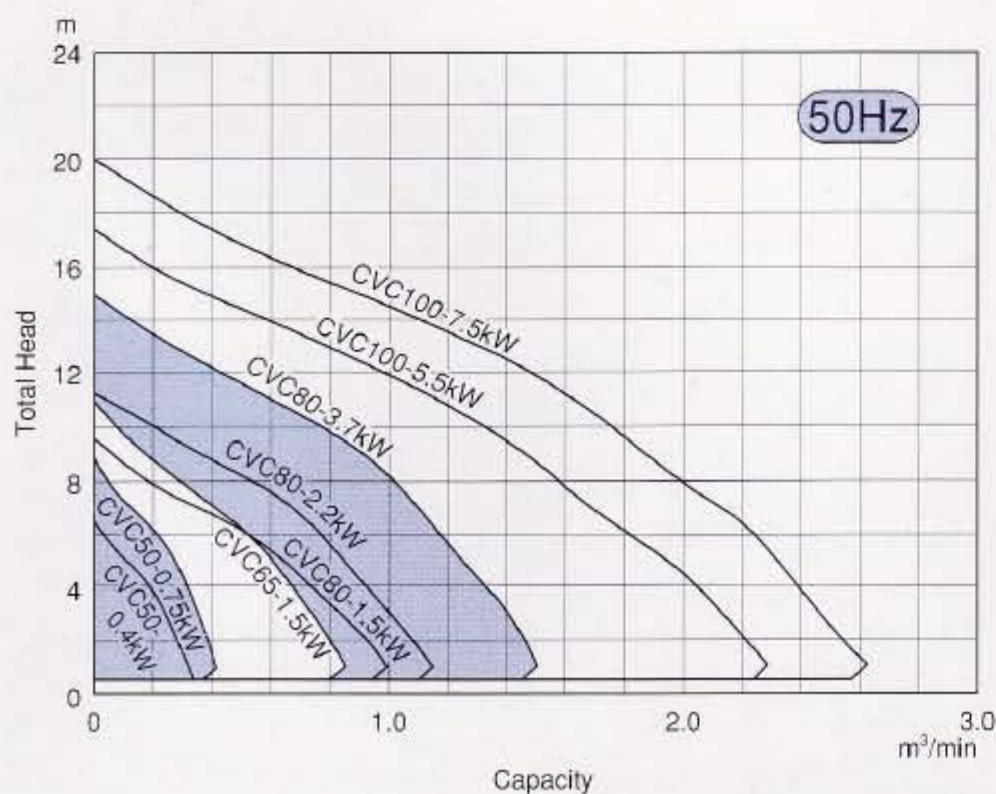
Impeller Passage: 70%



Standard Specifications

Bore mm	Pump Model	Connection Part No.		Output kW	Capacity—Total Head		Impeller Passage Size mm	Weight (Pump Proper) kg
		Automatic Connection	Flange Connection		50Hz m ³ /min—m	60Hz m ³ /min—m		
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
				1.5	0.52 — 6.0	0.52 — 6.0		43
	CVC80	P65	F65	2.2	0.6 — 7.5	0.6 — 7.5	56	54.5
				3.7	0.8 — 9.8	0.8 — 10.1		64
80	CVC65	P80	F80	1.5	0.45 — 6.7	0.45 — 7.2	45	39.5
				1.5	0.52 — 6.0	0.52 — 6.0		43
	CVC80	P80B	F80	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	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

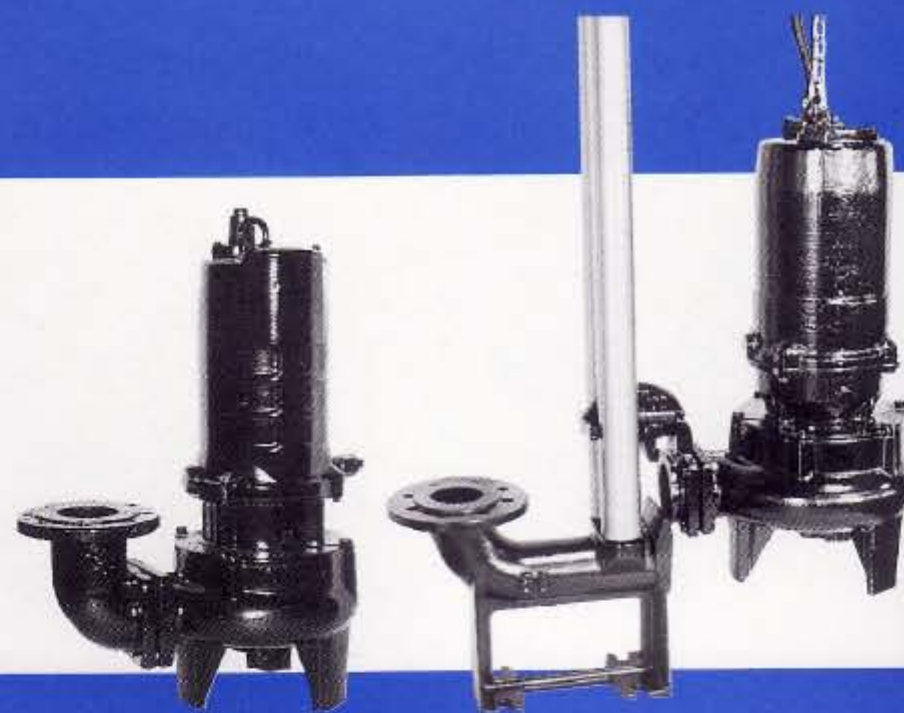


CVM

Series <Bore> 50 to 150mm
<Output> 0.4 to 7.5kW

4 Poles

Impeller Passage: 100%
(CVM150: 83%)



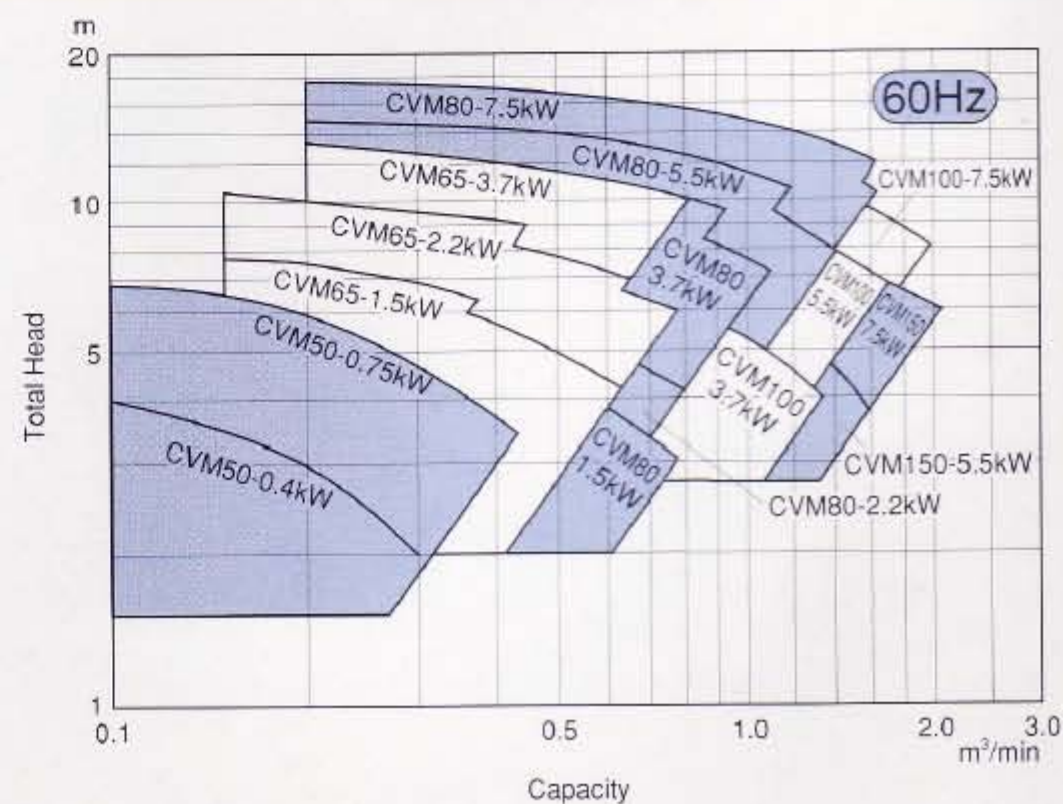
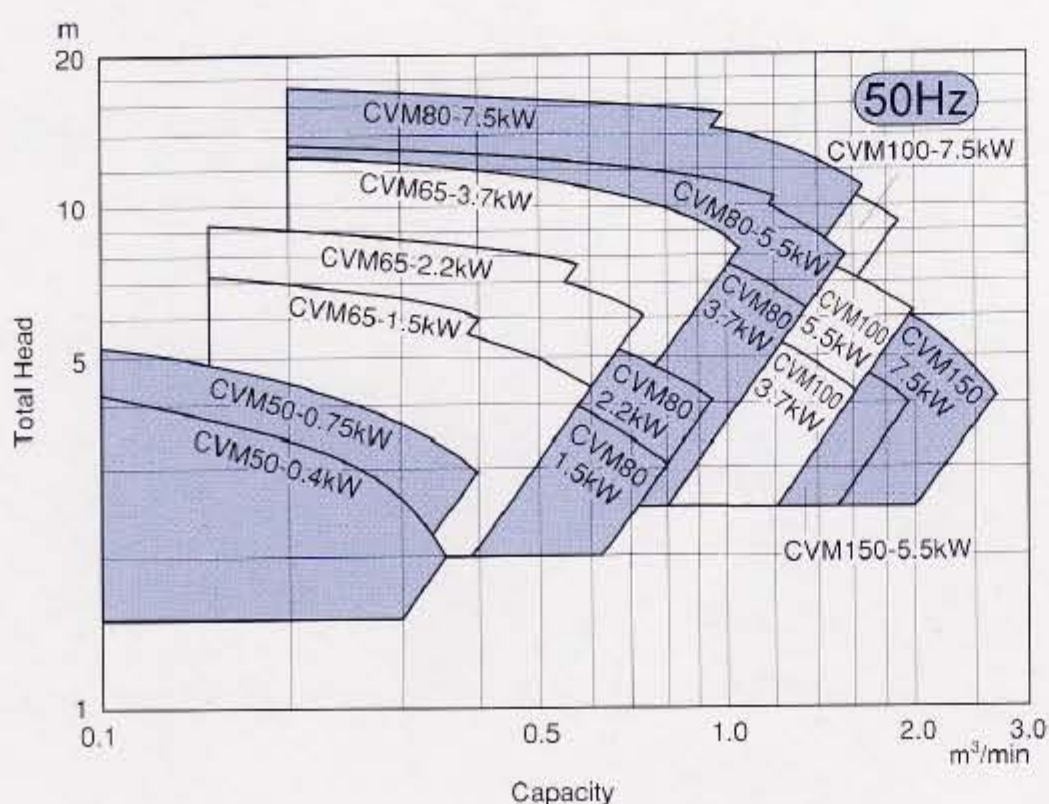
Standard Specifications

Bore mm	Pump Model	Connection Part No.		Output kW	Capacity—Total Head		Impeller Passage Size mm	Weight (Pump Proper) kg
		Automatic Connection	Flange Connection		50Hz m ³ /min—m	60Hz m ³ /min—m		
50	CVM50	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 (80)	CVM65	P65 (P80)	F65 (F80)	1.5	[1] 0.21 — 6.9 [3] 0.37 — 5.8	[2] 0.20 — 7.5 [4] 0.33 — 6.1	65	43
				2.2	[1] 0.28 — 8.8 [3] 0.38 — 7.9	[2] 0.20 — 10.0 [4] 0.34 — 8.4		55
				3.7	[1] 0.52 — 11.4	[2] 0.64 — 10.6		69
80 (100)	CVM80	P80B (P100B)	F80 (F100)	1.5	[5] 0.2 — 6.5 [7] 0.42 — 4.7	[6] 0.16 — 6.9 [8] 0.40 — 4.9	80	46
				2.2	[5] 0.26 — 7.2 [7] 0.45 — 5.9	[4] 0.25 — 7.5 [6] 0.38 — 5.8		58
				3.7	[1] 0.42 — 11.0 [3] 0.66 — 9.2	[2] 0.46 — 11.2 [4] 0.57 — 10.0		72
				5.5	[1] 0.56 — 12.4 [3] 0.84 — 11.0	[2] 0.55 — 13.0 [4] 0.86 — 10.8		93
				7.5	[1] 0.47 — 16.4 [3] 0.94 — 14.0	[2] 0.80 — 16.0 [4] 1.00 — 14.4		106
100	CVM100	P100C	F100B	3.7	[5] 0.40 — 9.3 [7] 0.78 — 6.7	[6] 0.30 — 9.5 [8] 0.72 — 6.2	100	73
				5.5	[5] 0.62 — 10.8 [7] 1.02 — 8.9	[6] 0.44 — 12.0 [8] 0.86 — 9.4		97
				7.5	[5] 0.52 — 14.6 [7] 0.96 — 12.0	[6] 0.80 — 13.2 [8] 1.05 — 11.8		111
150	CVM150	P150	F150	5.5	[7] 0.51 — 7.6 [9] 0.80 — 6.5	[8] 0.55 — 7.3 [10] 0.64 — 6.2	125	107
				7.5	[9] 0.92 — 9.4 [11] 1.32 — 7.6	[8] 0.78 — 9.7 [10] 1.04 — 8.1		123

(): Also available

[] : Impeller No.

Performance Curves



Standard Accessories

- | | | |
|-------------------------------|-------|-----------------------|
| · Cable (7.5kW or under)..... | 1pc. | 6m for 0.75kW or over |
| (11kW or over)..... | 3pcs. | 8m for 1.5kW to 22kW |

Automatic Connection Set

- Connection
- Guide holder
(with bolts 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	CVM65	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	CVM80	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	CVM65 CVM80	9.5
100	F100	CV80 CV100	CVS80 CVS100		CVC80 CVC100	CVM80	11
	F100B	CVH100	—	—	—	CVM100	12
150	F150	CV150	—	—	—	CVM150	30

★ : Built-in with the pump proper.

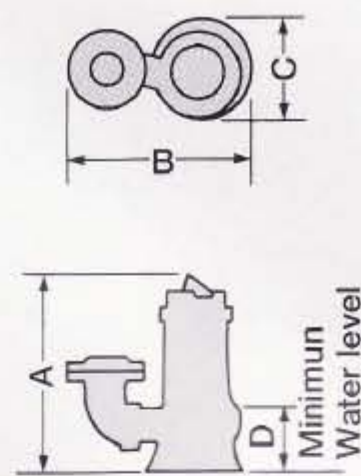
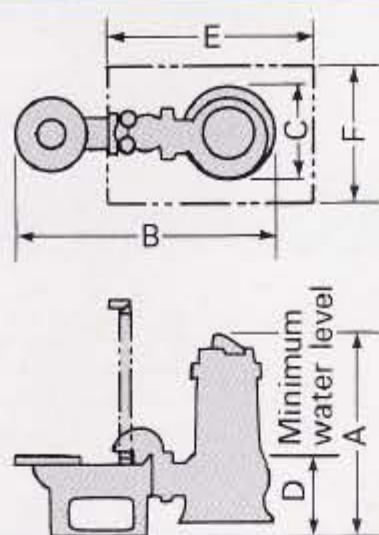
Main Specification

Handling Liquid	Kind of Liquid	Waste Water and Sewage or Water including Sludge
Material	Cable	VCT(Over 11kW:2PNCT)
	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



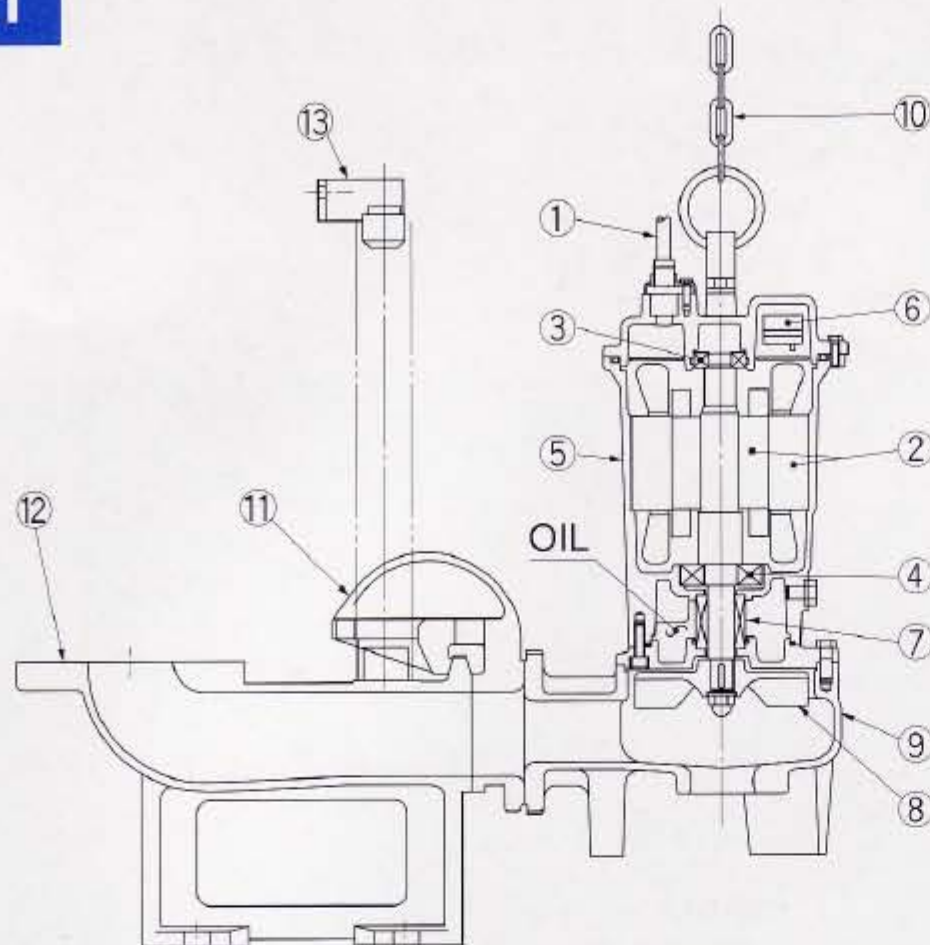
Automatic Connection

Flange Connection

	Pump Model	Connection Part No.	Output kW	A	B	C	D	E	F	Pump Model	Connection Part No.	Output kW	A	B	C	D
CV CVH	CV501(T)	P50	0.4 · 0.75	461	427	156	180	550	350	CV501(T)	F50	0.4 · 0.75	415	229	156	135
		P65B			500						F65B			324		
	CV501	P50	1.5	501	448	176	195	550	350	CV501	F50	1.5	455	250	176	150
		P65B			521						F65B			345		
	CV651	P65	1.5	539	627	182	235	550	350	CV651	F65	1.5	474	382	182	170
		P80		579	703		275				F80			397		
	CV80	P85	2.2	580	754	292		600	500	CV80	F85	2.2	550	509	292	190
			3.7	642	773	331						3.7	612	528	331	
		P80	2.2	620	830	292		600	500		F80	2.2	550	524	292	
			3.7	682	849	331		700	600			3.7	612	543	331	
	CV100	P100B	2.2	710	843	292		600	500	CV100	F100	2.2	550	541	292	190
			3.7	745	862	331		700	600			3.7	612	560	331	
		P80B	5.5	710	907	355					F80	5.5	640	601	355	
			7.5	745	922	387						7.5	675	616	387	
	CV100B	P100B	5.5	710	920	355				CV100B	F100	5.5	640	618	355	190
			7.5	745	935	387						7.5	675	633	387	
	CVH100	P100C	11	861	1,110	486		900	700	CVH100	F100B	11	782	846	486	256
			15									15				
			22	955	1,132	529						22	876	870	529	
			5.5	779								5.5	713			
	CV150	P150	7.5	814	1,094	400		900	700	CV150	F150	7.5	748	836	400	260
			11									11				
			15	871	1,148	450						15	804	890	450	278
			22	967	1,188	489						22	901	930	489	
CVS	CVS40T	P40	0.15 · 0.25	441	443	188	170	550	350	CVS40T	F40	0.15 · 0.25	370	245	188	100
	CVS50(T)	P50	0.25	441						CVS50(T)	F50	0.25	383			
			0.4 · 0.75	461	443	188	175	550	350			0.4 · 0.75	403	245	188	115
	CVS651	P65	1.5	516	663	192	200	550	350	CVS651	F65	1.5	440	418	192	125
		P80		556	739		240				F80			433		
	CVS80	P65	2.2	580		697	200			CVS80	F65	2.2	538		452	266
			3.7	620								3.7	579			
		P80	2.2	621		773	240	550	350		F80	2.2	538		467	
			3.7	661								3.7	579			
	CVS100	P100	3.7	661	786		240			CVS100	F100	3.7	579	484		173
			5.5	698								5.5	616			
		P80	7.5	733	803	248		700	600		F80	7.5	651	497	248	
			11	814	836	284	255					11	733	529	284	174
CVL	CVL501	P50	0.25	418	465	220	160			CVL501	F50	0.25	378	267	220	120
			0.4 · 0.75	469	506	246	165	550	350			0.4 · 0.75	445	308	246	140
	CVL651	P65B	0.4 · 0.75	469	579	246	165			CVL651	F65B	0.4 · 0.75	445	403	246	140
		P65	1.5	564	725	302	220	550	350		F65	1.5	529	480	302	180
	CVC50	P80		604	801		260			CVC50	F80			495		
CVC	CVL501	P50	0.4 · 0.75	497	490	204	190	550	350	CVL501	F50	0.4 · 0.75	451	292	204	145
		P65B			563						F65B			387		
	CVL651	P65	1.5	586	643	230	235	550	350	CVL651	F65	1.5	525	398	230	175
		P80		626	719		275				F80			413		
	CVC80	P65	1.5	591	683	230	240	550	350	CVC80	F65	1.5	549	438	230	200
			2.2	607								2.2	565			
			3.7	669	709	282	245	600	500			3.7	627	464	282	205
		P80B	1.5	631	759	230	280	550	350		F80	1.5	549	453	230	200
	CVC100	P100B	2.2	647		785				CVC100	F80	2.2	565		479	282
			3.7	709			282	285	600			3.7	627			
		P80B	2.2	647		798					F100	2.2	565		496	
			3.7	709								3.7	627			
	CVC100B	P80B	5.5	749		846				CVC100B	F80	5.5	693		540	324
			7.5	784			324	300	700			7.5	728			
		P100B	5.5	749		859					F100	5.5	693		557	
			7.5	784								7.5	728			
CVM	CVL501	P50	0.4 · 0.75	506	475	188	195	550	350	CVL501	F50	0.4 · 0.75	486	277	188	172
	CVM50		1.5	601	637	219	243			CVM50	F65	1.5	572	392	219	230
		P65	2.2	625	687	238	260	550	350			2.2	595	442	238	
			3.7	687	696	257						3.7	657	451	257	
		P80	1.5	641	713	219	283				F80	1.5	572	407	219	
	CVM65		2.2	665	763	238	302	550	350	CVM65		2.2	595	457	238	230
			3.7	727	772	257	321					3.7	657	466	257	
		P80B	1.5	659	758	230	301	550	350		F80	1.5	573	452	230	
			2.2	673	769	249						2.2	630	462	249	
	CVM80	P100B	3.7	735	777	267	308	600	500	CVM80	F80	3.7	692	471	267	265
			5.5	765	830	292						5.5	722	523	292	
			7.5	800	841	313	310	700	600			7.5	757	534	313	
		P100B	1.5	659	771	230	301				F100	1.5	573	470	230	
	CVM100		2.2	673	782	249				CVM100		2.2	630	480	249	265
			3.7	735	790	267	308	600	500			3.7	692	489	267	
			5.5	765	843	292						5.5	722	541	292	
			7.5	800	854	313	310	700	600			7.5	757	552	313	
	CVM150	P100C	3.7	803	817	280	376	600	500	CVM150	F100	3.7	740	515	280	313
			5.5	841	851	310	386	700	600			5.5	778	549	310	323
			7.5	859	873	332	379					7.5	806	571	332	316
		P150	5.5	854	907	304	399	700	600		F150	5.5	828	649	304	373
			7.5	881	921	331	391					7.5	856	663	331	366

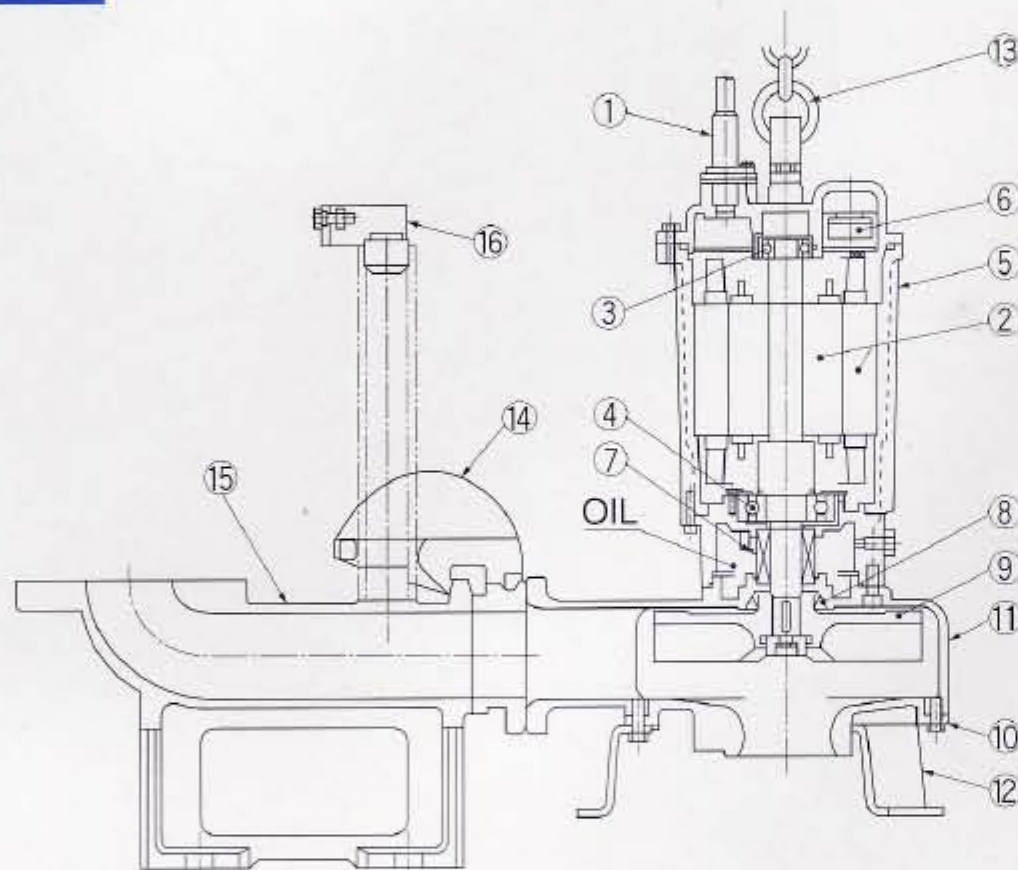
Sectional View

CV651



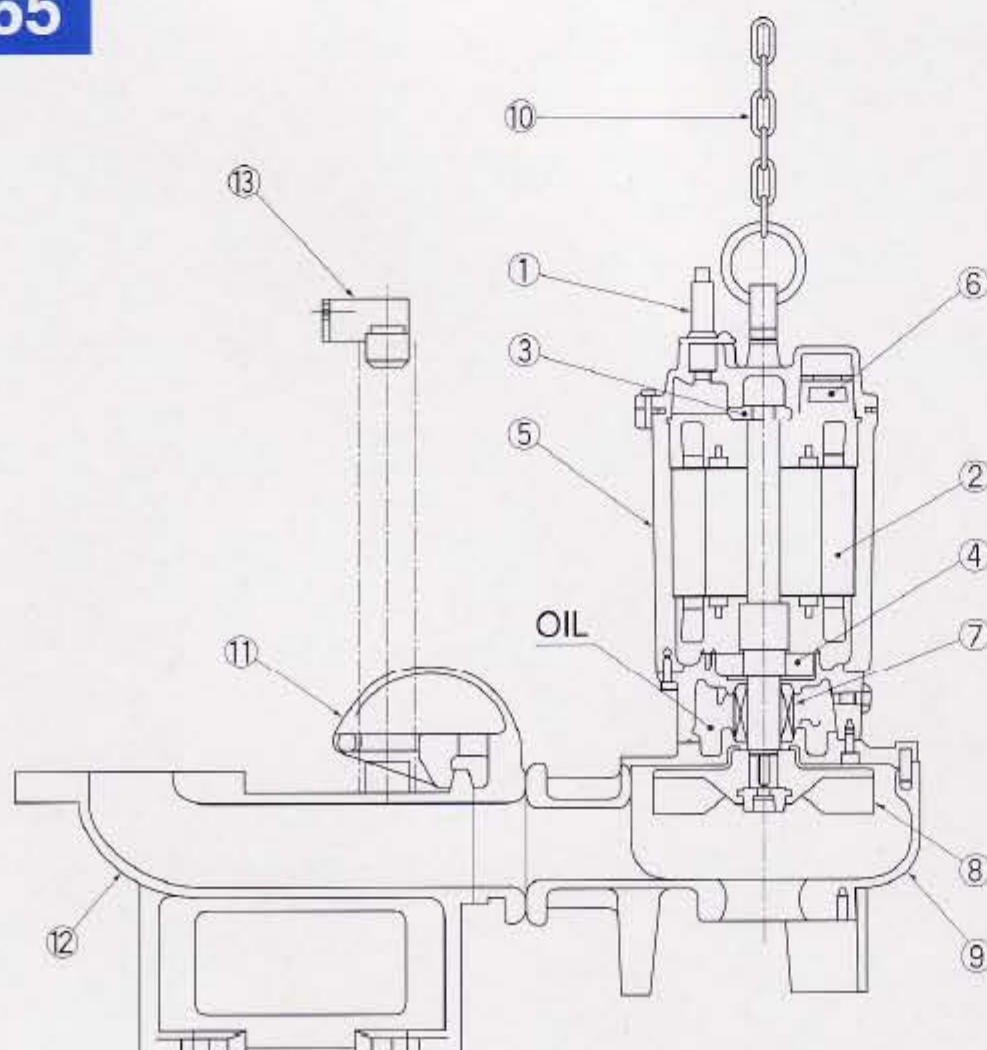
No.	Part Name	Material
1	Cable	VCT
2	Motor	Shaft=SUS420J2
3	Ball Bearing(Upper)	—
4	Ball Bearing(Lower)	—
5	Stator Casing	FC200
6	Auto Cut	—
7	Mechanical Seal	—
8	Impeller	FC200
9	Pump Casing	FC200
10	Lifting Chain	SS400
11	Sliding Bracket	FC200
12	Connection	FC200
13	Guide Holder	SCS13

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	SCS13

CVC65



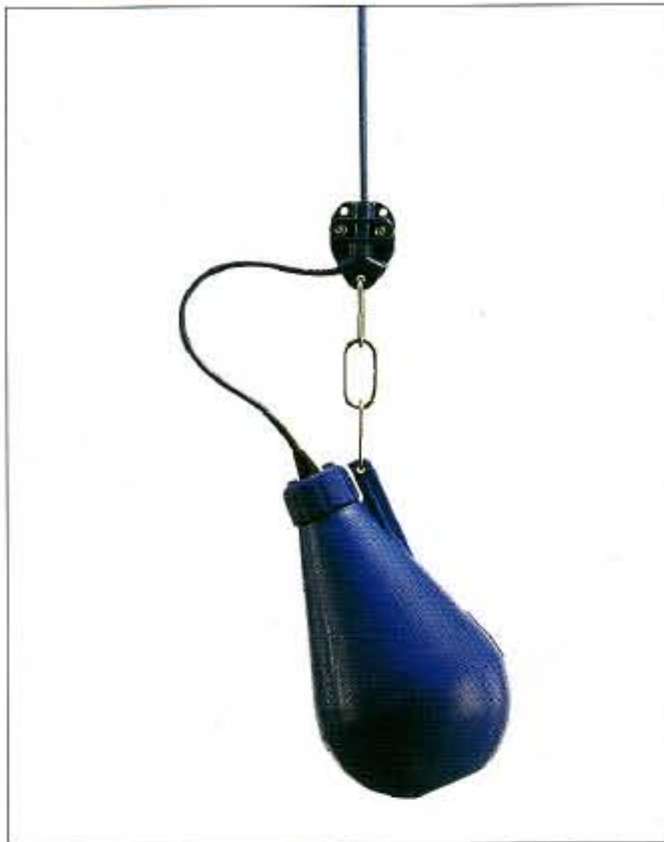
No.	Part Name	Material
1	Cable	VCT
2	Motor	Shaft=SUS420J2
3	Ball Bearing(Upper)	—
4	Ball Bearing(Lower)	—
5	Stator Casing	FC200
6	Auto Cut	—
7	Mechanical Seal	—
8	Impeller	FC200
9	Pump Casing	FC200
10	Lifting Chain	SS400
11	Sliding Bracket	FC200
12	Connection	FC200
13	Guide Holder	SCS13

★ Note: VCT: Polyvinyl-chloride sheathed cable SUS: Stainless steel SS: Mild steel FC: Gray iron casting SCS: Stainless steel 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°C	0~40°C	0~60°C
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	0.75mm ² ×3 cores, Flat Type	0.2mm ² ×2 cores × ϕ 4.7mm	0.5mm ² ×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
	Cable	VCTFK	PVC resin (soft type)
	Others	Chain : SUS304	Sinker : Cast iron with PVC resin coating

Specifications and dimensions are subject to change without notice.

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ShinMaywa ONO PLANT

ISO 9001 (No. 956445) / ISO 14001 (No. 771888)

