

ShinMaywa

Submersible Pumps

(Non-Clogging Type with Built-in Chopper) CJ Series

50
Hz



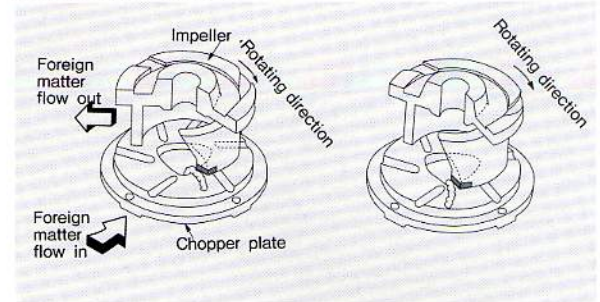
Pumps with Built-in Chopper

The CJ series has a built-in chopper for 'chopping' foreign matter which can cause the pump to be clogged or tangled.

Uses

- For treating raw water at combination treatment plants
- For use with drainage and sanitary equipment of buildings

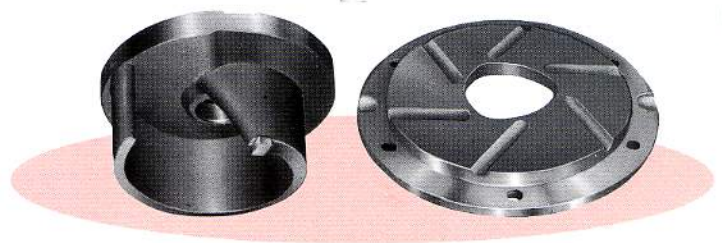
Chopper Mechanism



The chopper mechanism consists of a grooved chopper plate (bottom cover) and cutter chip impeller. The foreign matter will be cut as shown in the above illustration.

CJ Series

<Bore> 50 to 100mm
<Output> 0.75 to 7.5kW
<Phase> 3ph



Standard Specifications

Bore mm	Pump Model	Connection Part No.		Output kW	Pole	Capacity-Total Head	Impeller Passage Size	Weight(Pump Proper)		
		Automatic Connection	Flange Connection			m ³ /min-m	mm × mm	kg		
50	CJ501	P50	F50	0.75	2	[1]0.2-7.3	41 × 37	19.5		
						[3]0.15-5.1	36 × 31			
65	CJ501	P65B	F65B	0.75	2	[1]0.2-7.2	41 × 37	19.5		
						[3]0.15-5.1	36 × 31			
	CJ651	P65	F65	1.5	4	0.4-10.2	43 × 41	35		
						2.2	0.8- 8.2		54 × 60	58
CJ80	P65	F65	3.7	4	1.0-11.7	53 × 60	70			
					7.5	1.4-15.6		67 × 60	108	
80	CJ651	P80B	F80	1.5	2	0.4-10.2	43 × 41	35		
						2.2	0.8- 8.2		54 × 60	58
	CJ80	P80B	F80	3.7	4	1.0-11.7	53 × 60	70		
						5.5	1.2-13.6		61 × 60	95
						7.5	1.4-15.6		67 × 60	
100	CJ80	P100B	F100	2.2	4	0.8- 8.2	54 × 60	58		
						3.7	1.0-11.7		53 × 60	70
	CJ100	P100B	F100	5.5	4	1.2-13.6	61 × 60	95		
						7.5	1.4-15.6		67 × 60	108

• The starting method is 'direct-on-line start.' (Note)Specify both pump model and connection part No. to contact the dealer. • Figures in brackets indicate code number of impellers.

Standard Accessories

- **Power Cable**1
6m for 0.75kW
8m for 1.5kW to 7.5kW

Flange Connection set

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

Bore mm	Connection Part No.	Set Weight kg
50	F50	☆
65	F65B	5.5
	F65	7
80	F80	9.5
100	F100	11

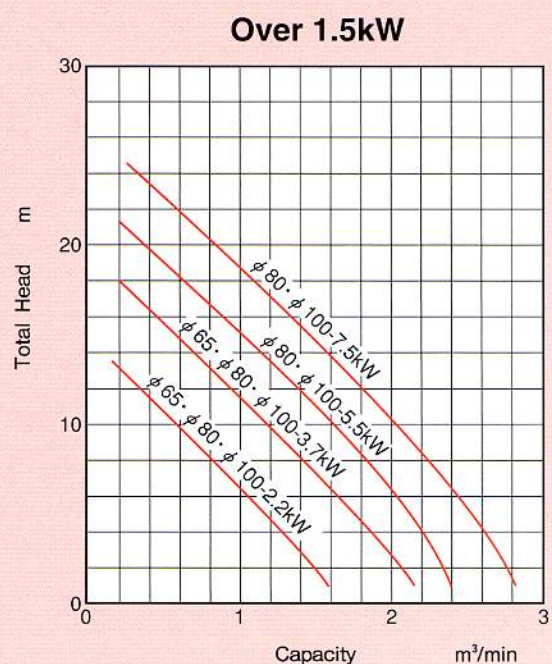
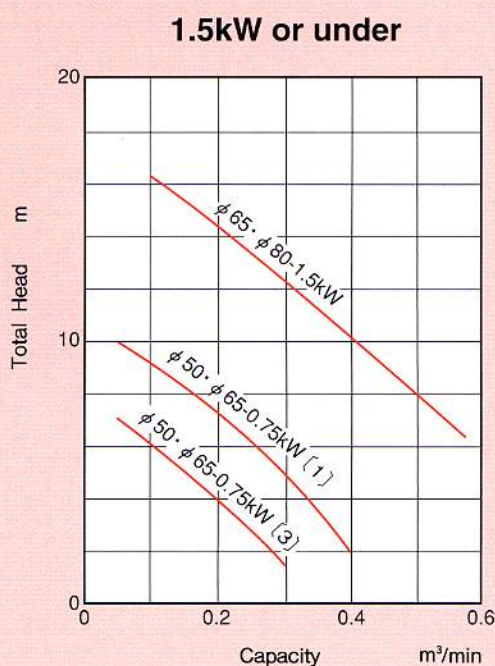
☆ Built-in with the pump proper.

Automatic Connection Set

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

Bore mm	Connection Part No.	Set Weight kg	Connection Weight kg
50	P50	11	4.5
65	P65B	20	14.5
	P65	24	15
80	P80	31.5	20.5
	P80B	31.5	18
100	P100B	40.5	27

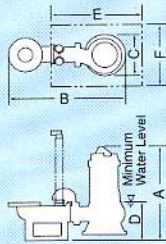
Performance Curves



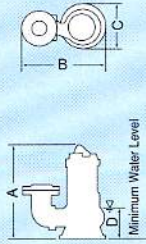
Dimensions

Packing Size

Automatic Connection



Flange Connection



Model	Length mm	Width mm	Height mm
CJ501	330	245	460
CJ651	295	255	530
CJ80	2.2kW	440	388
	3.7kW	470	410
CJ100	545	455	788

mm

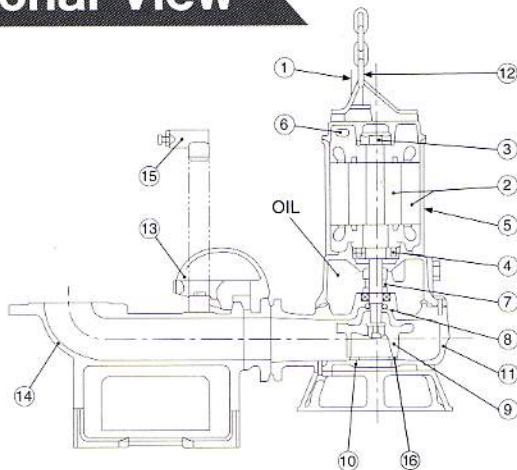
Model	Connection Part No.	Output kW	A	B	C	D	E	F
CJ501	P50	0.75	459	474	220	180	550	350
	P65B			547				
CJ651	P65	1.5	530	663	192	215	550	350
	P80		570	739				
CJ80	P65	2.2	580	754	292	220	600	500
		3.7	642	773				
	P80B	2.2	620	830	292	260	600	500
		3.7	682	849				
	P100B	2.2	620	843	292	260	600	500
		3.7	680	862				
CJ100	P80B	5.5	710	907	355	260	700	600
		7.5	745	920				
	P100B	5.5	710	920	355	260	700	600
		7.5	745	935				

mm

Model	Connection Part No.	Output kW	A	B	C	D
CJ501	F50	0.75	414	276	220	135
	F65B			371		
CJ651	F65	1.5	454	418	192	140
	F80			433		
CJ80	F65	2.2	550	509	292	190
		3.7	612	528		
	F80	2.2	550	524	292	190
		3.7	612	543		
	F100	2.2	550	541	292	190
		3.7	612	560		
CJ100	F80	5.5	640	601	355	190
		7.5	675	616		
	F100	5.5	640	618	355	190
		7.5	675	633		

*Figures in parentheses are shown in inches.

Sectional View



No.	Part Name	Material
1	Cable	VCT
2	Motor	Shaft = SUS420J2
3	Ball Bearing(Upper)	—
4	Ball Bearing(Lower)	—
5	Stator Casing	FC200
6	Thermal Protector	—
7	Mechanical Seal	—
8	Oil Seal	N.B.R.
9	Impeller	FC200
10	Chopper Plate	FC250
11	Pump Casing	FC200
12	Lifting Chain	SS400
13	Sliding Bracket	FC200
14	Connection	FC200
15	Guide Holder	SS400
16	Cutting Tip	WC

*Note VCT: Polyvinyl-chloride sheathed cable SUS: Stainless steel SS: Mild steel
FC: Gray iron casting WC: Tungsten carbide N.B.R.: Nitril Rubber

Specifications and dimensions are subject to change without notice.

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http://www.shinmaywa.co.jp

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