

Centrifugal Pumps

SJ4

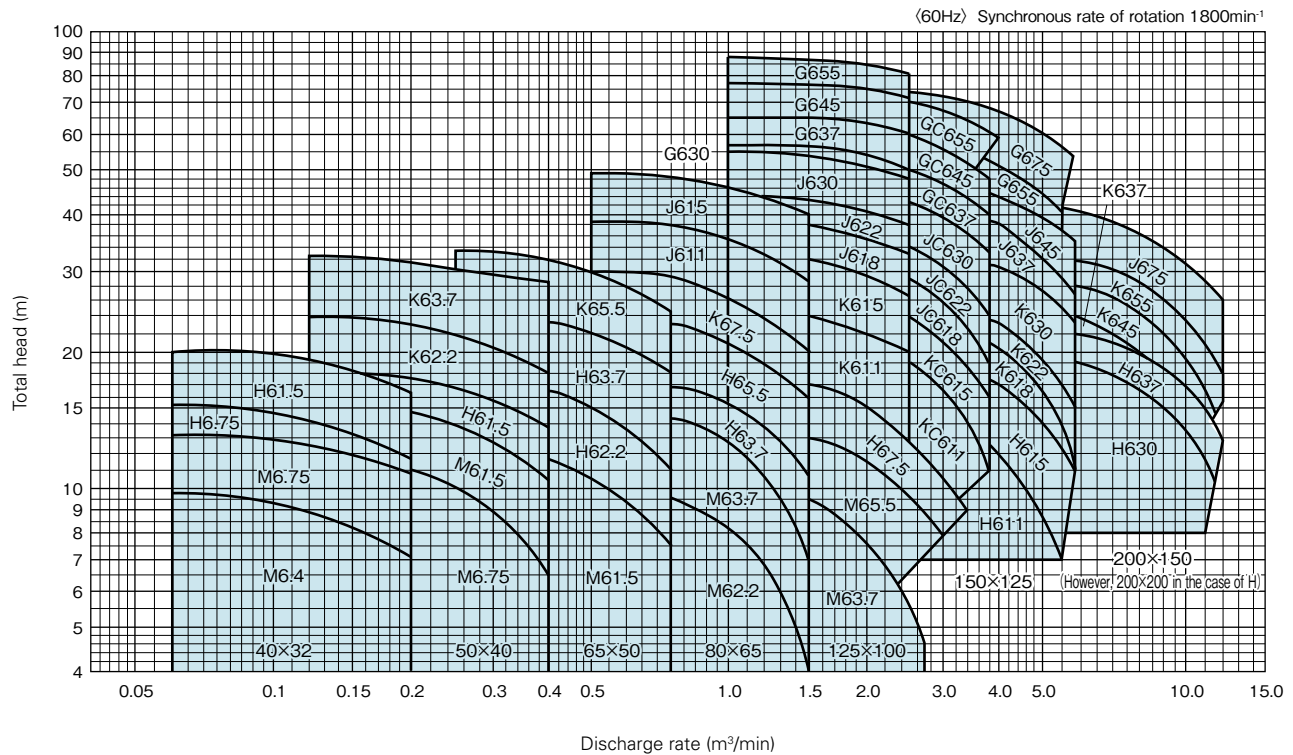
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60Hz



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Selection chart

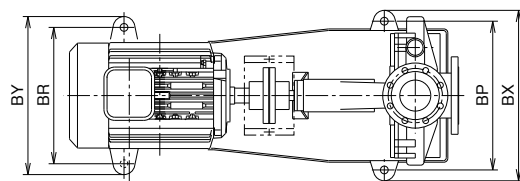


Specifications

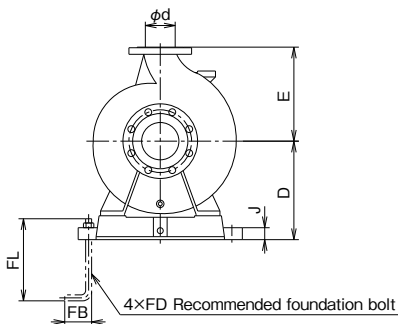
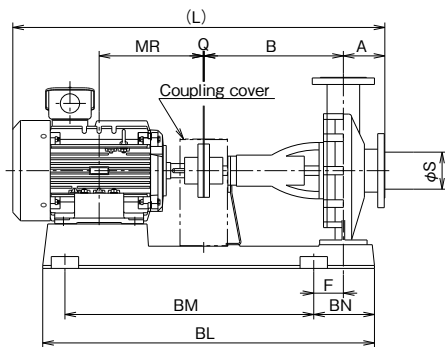
Nominal diameter mm	Model	Output kW	Specification							
			Discharge rate m ³ /min	Total head m	Discharge rate m ³ /min	Total head m	Discharge rate m ³ /min	Total head m	Discharge rate m ³ /min	Permissible boost pressure MPa
40	32	SJ4-40×32M6.4	0.4	0.06	9.8	0.12	8.9	0.2	7.1	1.00
		SJ4-40×32M6.75	0.75	0.06	13.2	0.12	12.5	0.2	10.8	0.97
		SJ4-40×32H6.75	0.75	0.06	15.4	0.12	14.2	0.2	11.7	0.94
		SJ4-40×32H61.5	1.5	0.06	20	0.12	19.2	0.2	16.3	0.90
50	40	SJ4-50×40M6.75	0.75	0.12	11.8	0.25	10.1	0.4	6.5	0.98
		SJ4-50×40M61.5	1.5	0.12	15.3	0.25	13.8	0.4	10.5	0.94
		SJ4-50×40H61.5	1.5	0.12	18.3	0.25	16.7	0.4	13.7	0.91
		SJ4-50×40K62.2	2.2	0.12	23.9	0.25	21.9	0.4	18	0.85
		SJ4-50×40K63.7	3.7	0.12	32.5	0.25	30.5	0.4	28.4	0.77
		SJ4-50×40K63.7	3.7	0.12	32.5	0.25	30.5	0.4	28.4	0.77
65	50	SJ4-65×50M61.5	1.5	0.25	13.2	0.5	10.6	0.75	7.7	0.95
		SJ4-65×50H62.2	2.2	0.25	17.6	0.5	15	0.75	11	0.92
		SJ4-65×50H63.7	3.7	0.25	24.4	0.5	22	0.75	18.3	0.85
		SJ4-65×50K65.5	5.5	0.25	33.5	0.5	30	0.75	24.5	0.75
80	65	SJ4-80×65M62.2	2.2	0.5	10.7	1.0	8.2	1.5	4.0	0.99
		SJ4-80×65M63.7	3.7	0.5	15.1	1.0	12.7	1.5	7.2	0.94
		SJ4-80×65H63.7	3.7	0.5	17.3	1.0	15.4	1.5	10.8	0.93
		SJ4-80×65H65.5	5.5	0.5	23.8	1.0	21	1.5	16	0.85
		SJ4-80×65K67.5	7.5	0.5	30.2	1.0	26.5	1.5	20.2	0.79
		SJ4-80×65J611	11	0.5	38.8	1.0	35.5	1.5	29	0.70
		SJ4-80×65J615	15	0.5	49	1.0	46	1.5	40.5	0.60
		SJ4-80×65J615	15	0.5	49	1.0	46	1.5	40.5	0.60
125	100	SJ4-125×100M63.7	3.7	1.0	10.1	2.0	7.7	2.7	4.6	1.27
		SJ4-125×100M65.5	5.5	1.0	13.6	2.0	11.5	3.0	7.9	1.23
		SJ4-125×100H67.5	7.5	1.0	18	2.0	15	3.4	9.0	1.18
		SJ4-125×100K611	11	1.0	25	2.0	22	2.5	20	1.11
		SJ4-125×100K611	11	2.3	20	3.0	16.5	3.8	11.2	1.03
		SJ4-125×100K615	15	1.0	33	2.0	29.5	2.5	27	0.97
		SJ4-125×100K615	15	2.3	25	3.0	21	3.8	16	0.92
		SJ4-125×100J618	18.5	1.0	39	2.0	35.5	2.5	33	0.81

Nominal diameter mm	Model	Output kW	Specification							
			Discharge rate m ³ /min	Total head m	Discharge rate m ³ /min	Total head m	Discharge rate m ³ /min	Total head m	Discharge rate m ³ /min	Permissible boost pressure MPa
125	100	SJ4-125×100JC618	18.5	2.3	30	3.0	25.5	3.8	19	0.80
		SJ4-125×100JC622	22	1.0	44	2.0	40.5	2.5	38	0.71
		SJ4-125×100JC622	22	2.3	35	3.0	31	3.8	24.5	0.60
		SJ4-125×100JC630	30	1.0	55.5	2.0	51.5	2.5	48.5	0.50
		SJ4-125×100JC630	30	2.3	44	3.0	39	3.8	33.5	1.13
		SJ4-125×100G630	30	1.0	57	2.0	54	2.5	51	1.07
		SJ4-125×100G637	37	1.0	66	2.0	63.5	2.5	61	1.02
		SJ4-125×100G637	37	2.3	52	3.0	47	3.8	40.5	0.96
		SJ4-125×100G645	45	1.0	77.5	2.0	75	2.5	72.5	0.88
		SJ4-125×100G645	45	2.3	60.5	3.0	56	3.8	49	0.81
		SJ4-125×100G655	55	1.0	88	2.0	85	2.5	82	0.73
		SJ4-125×100G655	55	2.3	72	3.0	67.5	4.0	59	0.61
		SJ4-150×125H611	11	2.0	15.4	4.0	12	5.4	7.0	1.21
		SJ4-150×125H615	15	2.0	20	4.0	17	5.8	11.2	1.17
150	125	SJ4-150×125K618	18.5	2.0	25.5	4.0	20.5	5.9	11.5	1.11
		SJ4-150×125K622	22	2.0	28	4.0	23	5.9	15.5	1.08
		SJ4-150×125K630	30	2.0	33.5	4.0	30.5	5.9	23.5	1.03
		SJ4-150×125J637	37	2.0	44	4.0	38	5.9	26.5	0.93
		SJ4-150×125J645	45	2.0	50	4.0	44.5	5.9	34.5	0.86
		SJ4-150×125G655	55	2.0	61	4.0	51.5	5.5	40	0.76
		SJ4-150×125G675	75	2.0	75	4.0	67	5.9	53	0.62
		SJ4-200×200H630	30	4.0	20.5	8.0	16.6	11.5	10	1.15
		SJ4-200×200H637	37	4.0	23.4	8.0	20	12	12.5	1.14
		SJ4-200×150K637	37	4.0	26.5	8.0	20.2	10.5	13.5	1.11
200	150	SJ4-200×150K645	45	4.0	30	8.0	24.5	11.5	15	1.06
		SJ4-200×150K655	55	4.0	34	8.0	28.5	12	18.5	1.01
		SJ4-200×150J675	75	4.0	44	8.0	37	12	26.5	0.92

Assembly drawing



Flange dimensions: JIS 10K flange or equivalent



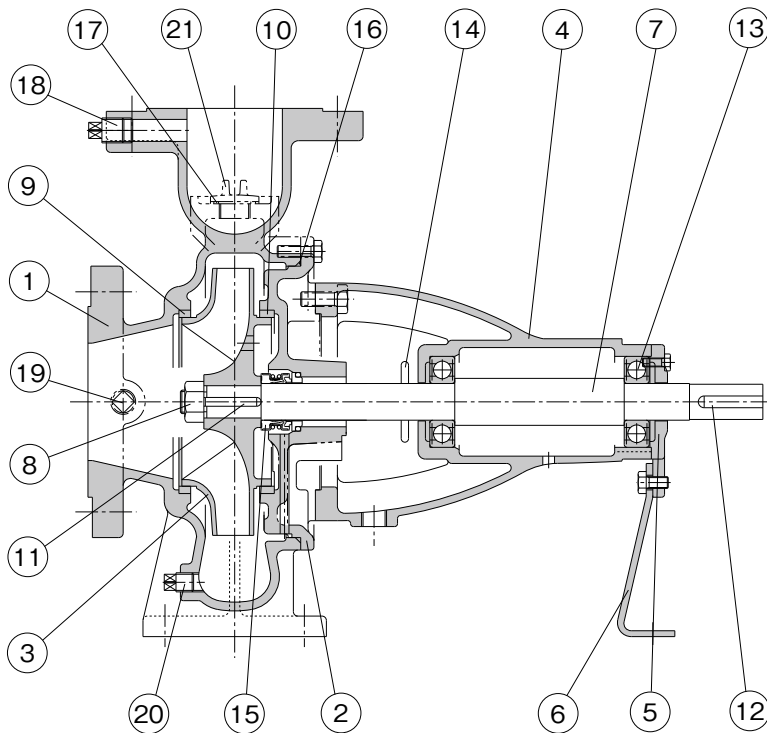
Note) Total length dimension and approximate mass may vary slightly depending on the motor manufacturer.

Dimensions

(Unit: mm)

Nominal diameter		Pump type	Output kW	Pump							Motor		Common base								Foundation bolt			Approx. mass kg
Suction s	Discharge d			A	B	D	E	F	L	Q	Frame size	MR	J	BL	BM	BN	BP	BR	BX	BY	FB	FD	FL	
40	32	SJ4-40×32M6.4	0.4	80	360	182	160	45	679	3	71	120	25	615	420	105	290	210	325	245	45	M10	200	46
		SJ4-40×32M6.75	0.75	80	360	182	160	45	712	3	80M	140	25	640	420	105	290	240	325	275	45	M10	200	59
		SJ4-40×32H6.75	0.75	80	360	215	180	45	712	3	80M	140	30	640	420	105	320	240	365	285	55	M12	250	64
		SJ4-40×32H61.5	1.5	80	360	215	180	40	758	3	90L	169	30	700	480	115	335	245	380	290	55	M12	250	69
50	40	SJ4-50×40M6.75	0.75	80	360	182	160	45	712	3	80M	140	25	640	420	105	290	240	325	275	45	M10	200	60
		SJ4-50×40M61.5	1.5	80	360	182	160	55	759	3	90L	169	25	685	480	115	290	235	325	270	45	M10	200	64
		SJ4-50×40H61.5	1.5	100	360	215	180	40	778	3	90L	169	30	700	480	115	335	245	380	290	55	M12	250	71
		SJ4-50×40K62.2	2.2	100	360	235	225	40	819	3	100L	193	30	740	480	115	375	275	420	320	55	M12	250	89
65	50	SJ4-50×40K63.7	3.7	100	360	235	225	55	835	3	112M	200	30	740	540	130	375	295	420	340	55	M12	250	98
		SJ4-65×50M61.5	1.5	100	360	215	180	40	778	3	90L	169	30	700	480	115	335	245	380	290	55	M12	250	75
		SJ4-65×50H62.2	2.2	100	360	215	200	40	819	3	100L	193	30	740	480	115	335	265	380	310	55	M12	250	88
		SJ4-65×50H63.7	3.7	100	360	215	200	55	935	3	112M	200	30	740	540	130	335	290	380	335	55	M12	250	98
80	65	SJ4-65×50K65.5	5.5	100	360	250	225	75	891	3	132S	239	40	825	600	150	390	340	445	395	70	M16	315	134
		SJ4-80×65M62.2	2.2	100	360	215	200	40	819	3	100L	193	30	740	480	115	335	265	380	310	55	M12	250	89
		SJ4-80×65M63.7	3.7	100	360	215	200	55	835	3	112M	200	30	740	540	130	335	290	380	335	55	M12	250	98
		SJ4-80×65H63.7	3.7	100	360	235	225	55	835	3	112M	200	30	740	540	130	375	295	420	340	55	M12	250	116
125	100	SJ4-80×65H65.5	5.5	100	360	250	225	75	891	3	132S	239	40	825	600	150	390	340	445	395	70	M16	315	135
		SJ4-80×65K67.5	7.5	100	470	270	250	80	1039	3	132M	258	40	950	660	170	430	340	485	395	70	M16	315	153
		SJ4-80×65J611	11	125	470	320	280	100	1193	3	160M	323	40	1080	740	190	470	390	525	445	70	M16	315	225
		SJ4-80×65H615	15	125	470	320	280	100	1193	3	160L	345	40	1080	740	190	470	390	525	445	70	M16	315	237
150	125	SJ4-125×100M63.7	3.7	125	470	270	250	60	970	3	112M	200	40	870	600	150	430	310	485	365	70	M16	315	136
		SJ4-125×100M65.5	5.5	125	470	270	250	80	1026	3	132S	239	40	950	660	170	430	340	485	395	70	M16	315	151
		SJ4-125×100H67.5	7.5	125	470	270	280	80	1064	3	132M	258	40	950	660	170	430	340	485	395	70	M16	315	160
		SJ4-125×100K611	11	140	470	320	280	100	1208	3	160M	323	40	1080	740	190	470	390	525	445	70	M16	315	228
200	200	SJ4-125×100K611	11	140	470	320	280	100	1208	3	160M	323	40	1080	740	190	470	390	525	445	70	M16	315	228
		SJ4-125×100K615	15	140	470	320	280	100	1208	3	160L	345	40	1080	740	190	470	390	525	445	70	M16	315	240
		SJ4-125×100K615	15	140	470	320	280	100	1208	3	160L	345	40	1080	740	190	470	390	525	445	70	M16	315	240
		SJ4-125×100J618	18.5	140	470	330	315	115	1256	3	180M	352	50	1120	840	205	480	440	550	510	90	M20	400	279
200	150	SJ4-125×100J618	18.5	140	470	330	315	115	1256	3	180M	352	50	1120	840	205	480	440	550	510	90	M20	400	279
		SJ4-125×100J622	22	140	470	330	315	115	1256	3	180M	352	50	1120	840	205	480	440	550	510	90	M20	400	289
		SJ4-125×100J622	22	140	470	330	315	115	1256	3	180M	352	50	1120	840	205	480	440	550	510	90	M20	400	289
		SJ4-125×100J630	30	140	470	330	315	115	1330	4	180L	371	50	1120	840	205	480	440	550	510	90	M20	400	314
200	200	SJ4-125×100J630	30	140	470	330	315	115	1330	4	180L	371	50	1120	840	205	480	440	550	510	90	M20	400	314
		SJ4-125×100G630	30	140	530	360	355	95	1390	4	180L	371	50	1200	840	205	580	440	650	510	90	M20	400	373
		SJ4-125×100G637	37	140	530	360	355	120	1455	4	200L	426	50	1280	940	230	580	490	650	560	90	M20	400	464
		SJ4-125×100G637	37	140	530	360	355	120	1455	4	200L	426	50	1280	940	230	580	490	650	560	90	M20	400	464
200	200	SJ4-125×100G645	45	140	530	360	355	120	1455	4	200L	426	50	1280	940	230	580	490	650	560	90	M20	400	484
		SJ4-125×100G645	45	140	530	360	355	120	1455	4	200L	426	50	1280	940	230	580	490	650	560	90	M20	400	484
		SJ4-125×100G655	55	140	530	450	355	130	1471	4	225S	432	150	1300	800	250	510	510	580	580	90	M20	400	625
		SJ4-125×100G655	55	140	530	450	355	130	1471	4	225S	432	150	1300	800	250	510	510	580	580	90	M20	400	625
200	125	SJ4-150×125H611	11	140	470	320	315	100	1208	3	160M	323	40	1080	740	190	470	390	525	445	70	M16	315	236
		SJ4-150×125H615	15	140	470	320	315	100	1208	3	160L	345	40	1080	740	190	470	390	525	445	70	M16	315	248
		SJ4-150×125K618	18.5	140	470	330	355	100	1256	3	180M	352	50	1120	840	205	480	440	550	510	90	M20	400	302
		SJ4-150×125K622	22	140	470	330	355	115	1256	3	180M	352	50	1120	840	205	480	440	550	510	90	M20	400	312
200	150	SJ4-150×125K630	30	140	470	330	355	115	1330	4	180L	371	50	1120	840	205	480	440	550	510	90	M20	400	337
		SJ4-150×125J637	37	140	530	360	355	120	1455	4	200L	426	50	1280	940	230	580	490	650	560	90	M20	400	497
		SJ4-150×125J645	45	140	530	360	355	120	1455	4	200L	426	50	1280	940	230	580	490	650	560	90	M20	400	517
		SJ4-150×125G655	55	140	530	395	400	120	1471	4	225S	432	50	1270	940	230	580	530	650	600	90	M20	400	554
200	200	SJ4-150×125G675	75	140	530	485	400	135	1554	4	250S	464	150	1350	850	250	510	510	580	580	90	M20	400	705
		SJ4-200×200H630	30	180	530	360	375	95	1430	4	180L	371	50	1200	840	205	580	440	650	510	90	M20	400	421
		SJ4-200×200H637	37	180	530	360	375	120	1495	4	200L	426	50	1280	940	230	580	490	650	560	90	M20	400	512
		SJ4-200×150K637	37	160	530	360	375	120	1475	4	200L	426	50	1280	940	230	580	490	650	560	90	M20	400	503
200	150	SJ4-200×150K645	45	160	530	360	375	120	1475	4	200L	426	50	1280	940	230	580	490	650	560	90	M20	400	523
		SJ4-200×150K655	55	160	530	450	375	130	1491	4	225S	432	150	1300	800	250	510	510	580	580	90	M20	400	565
		SJ4-200×150K675	75	160	670	485	400	180	1714	4	250S	464	150	1500	900	300	570	570	640	640	90	M20	400	800

Sectional drawing



Parts list

No.	Part name	Qty	Materials
1	Casing	1	FC200
2	Casing cover	1	FC200
3	Impeller	1	FC200
4	Bearing case	1	FC200
5	Bearing cover	1	FC200
6	Attached leg	1	SS400
7	Spindle	1	SUS403
8	Impeller nut	1	SUS304
9	Wearing ring	1	CAC406
10	Wearing ring	1	CAC406
11	Impeller key	1	SUS304
12	Coupling key	1	S45C
13	Ball bearing	2	SUJ2
14	Deflector	1	CR
15	Mechanical seal	1	—
16	O-ring A	1	NBR
17	O-ring B	1	NBR
18	Plug A	1	SS400
19	Plug B	1	SS400
20	Plug	1	SS400
21	Pump-priming plug	1	CAC202

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