



**EBARA**

ISO 9002  
KEMA  
CERT. NR. 98922  
DUTCH COUNCIL FOR ACCREDITATION

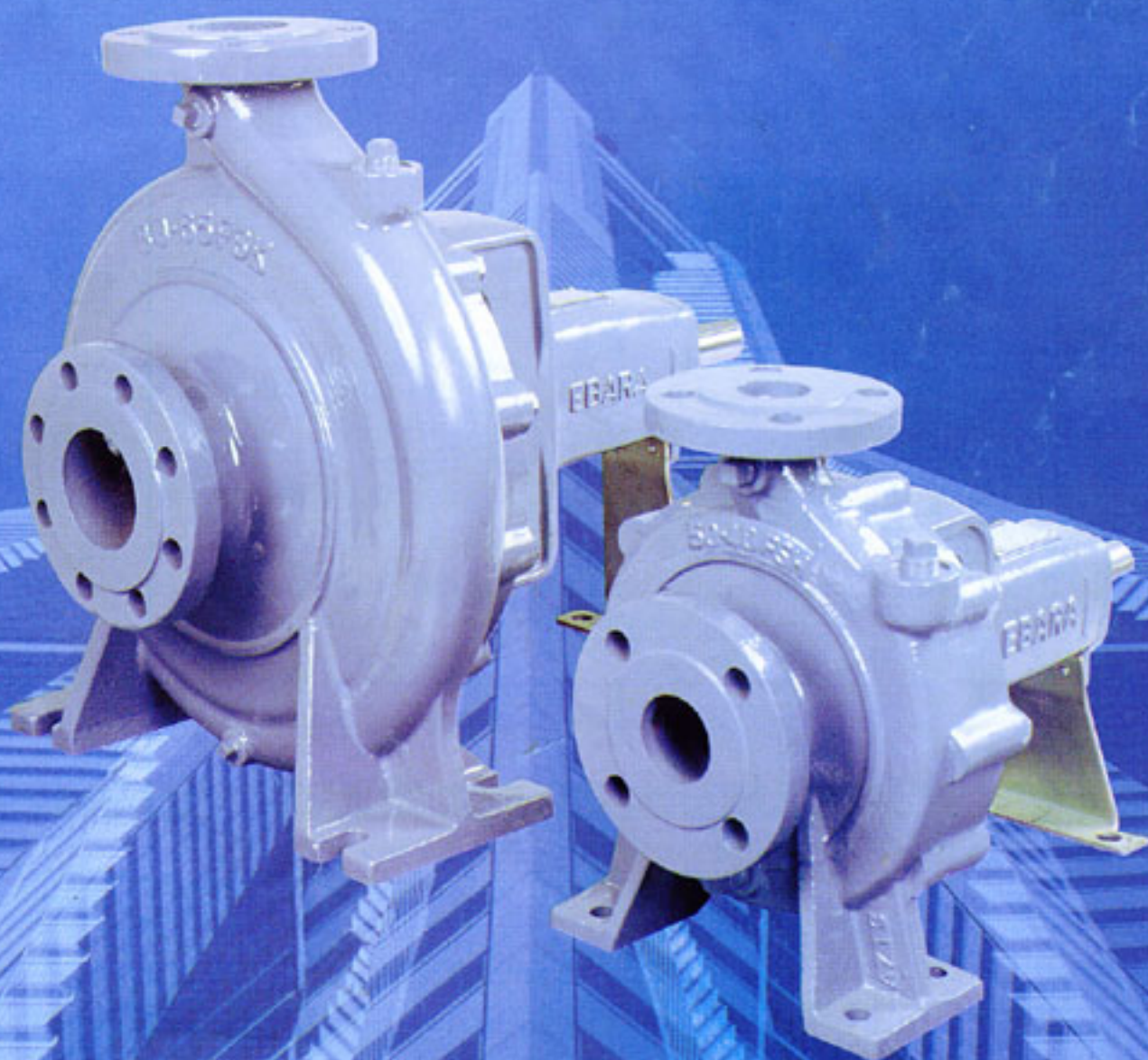


FS8001A-5

# END SUCTION VOLUTE PUMP

Model **FSA**

**50Hz**





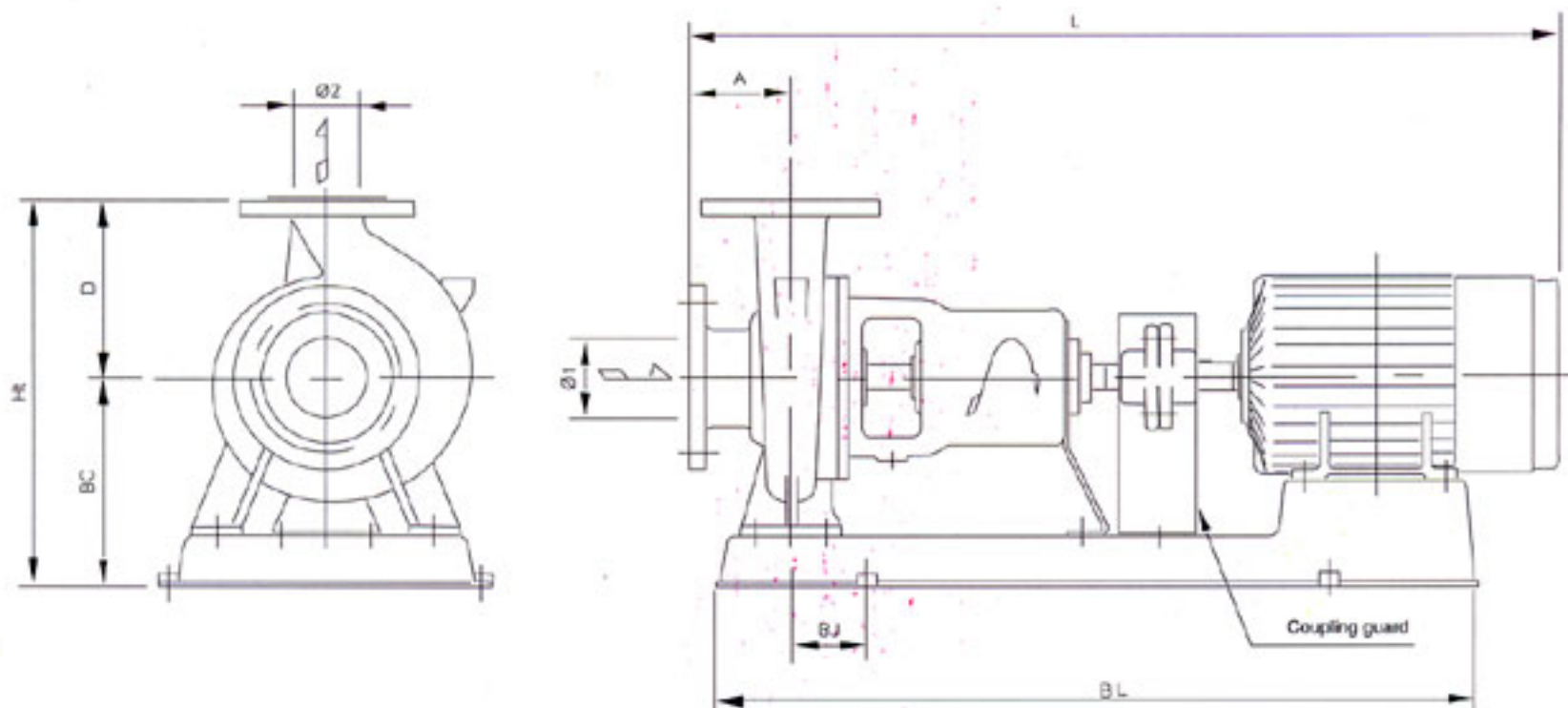
Size		Model	Output kW	Pump				Common Base			Total		
Ø1	Ø2			A	BC	D	w t kg	BJ	BL	w t kg	Ht	L	w t kg
50	40	50X40 FS4HA5.4	0.4	80	215	180	37	45	640	25	395	682	74
		50X40 FS4HA5.75	0.75	80	215	180	37	45	640	24	395	715	76
		65X50 FS4HA5.75	0.75	100	215	180	42	45	640	24	395	735	81
65	50	65X50 FS4JA51.5	1.5	100	230	225	49	40	740	24.5	455	785	95.5
		65X50 FS4JA52.2	2.2	100	230	225	49	40	740	24.5	455	826	103.5
		80X65 FS4GA5.75	0.75	100	215	180	39	45	640	25	395	735	79
80	65	80X65 FS4HA51.5	1.5	100	220	200	48	40	740	26	420	785	96
		80X65 FS4JA52.2	2.2	100	230	225	60	40	740	24.5	455	826	114.5
		80X65 FS4JA53.7	3.7	100	230	225	60	40	740	24.5	455	845	126.5
100	80	80X65 FS4KA55.5	5.5	125	295	280	108	80	960	54	575	1044	227
		80X65 FS4KA57.5	7.5	125	295	280	108	80	960	57	575	1082	241
		80X65 FS4KA511	11	125	295	280	108	100	1090	55	575	1202	283
125	100	100X80 FS4GA51.5	1.5	100	220	200	49	40	740	24	420	785	95
		100X80 FS4GA52.2	2.2	100	220	200	49	40	740	24	420	826	103
		100X80 FS4HA52.2	2.2	100	230	225	62	40	740	24.5	455	826	116.5
150	125	100X80 FS4HA53.7	3.7	100	230	225	62	40	765	23.5	455	845	127.5
		100X80 FS4JA53.7	3.7	100	265	250	70	55	765	23.5	515	845	135.5
		100X80 FS4JA55.5	5.5	100	270	250	70	55	855	38	520	909	173
200	150	125X100 FS4KA57.5	7.5	140	340	315	128	80	960	57	655	1097	261
		125X100 FS4KA511	11	140	320	315	128	100	1090	58	635	1217	306
		125X100 FS4KA515	15	140	330	315	128	100	1075	64.5	645	1261	350.5
250	175	125X100 FS4KA518.5	18.5	140	330	315	128	100	1075	65	645	1280	373
		125X100 FS4LA522	22	140	360	355	168	120	1425	105	715	1378	478
		125X100 FS4LA530	30	140	360	355	168	120	1425	105	715	1442	563
300	200	150X125 FS4HA57.5	7.5	140	340	315	120	80	960	57	655	1097	253
		150X125 FS4HA511	11	140	320	315	120	100	1090	45	635	1217	285
		150X125 FS4HA515	15	140	320	315	120	100	1090	55	635	1261	333
350	225	150X125 FS4JA515	15	140	320	355	128	100	1090	55	675	1261	341
		150X125 FS4JA518.5	18.5	140	340	355	128	100	1075	65	695	1280	363
		150X125 FS4JA522	22	140	340	355	128	60	1425	65	695	1318	398
400	250	150X125 FS4KA530	30	140	360	355	170	120	1425	105	715	1442	565
		150X125 FS4KA537	37	140	385	355	170	120	1425	110	740	1485	600
		150X125 FS4LA545	45	140	410	400	205	120	1425	105	810	1510	668
450	275	150X125 FS4LA555	55	140	410	400	205	120	1425	105	810	1547	830
		150X125 FS4LA575	75	140	425	400	205	120	1450	100	825	1585	885
		200X150 FS4HA55.5	5.5	160	390	355	137	80	980	78	745	1079	280
500	300	200X150 FS4HA57.5	7.5	160	390	355	137	80	980	78	745	1117	291
		200X150 FS4HA511	11	160	390	355	137	80	1190	85	745	1237	332
		200X150 FS4JA515	15	160	390	375	183	80	1190	85	765	1341	426
550	325	200X150 FS4JA518.5	18.5	160	360	375	183	120	1425	105	735	1360	468
		200X150 FS4JA522	22	160	360	375	183	120	1425	110	735	1398	498
		200X150 FS4JA530	30	160	360	375	183	120	1425	110	735	1462	583
600	350	200X150 FS4JA537	37	160	385	375	183	120	1425	110	760	1505	613
		200X150 FS4KA537	37	160	425	400	222	110	1460	110	825	1645	652
		200X150 FS4KA545	45	160	425	400	222	110	1460	120	825	1670	700
650	400	200X150 FS4KA555	55	160	425	400	222	130	1500	120	825	1707	824

Note : (1) All dimensions indicated are for reference only.  
Please request approval drawing for details.

(2) 60Hz application is available upon request.  
Please check with our local representative office.



## ■ DIMENSION



2 POLE - 3000rpm

Unit: mm

Size	Model		Output kW	Pump				Common Base			Total		
				A	BC	D	wt kg	BJ	BL	wt kg	Ht	L	wt kg
Ø1	Ø2												
		50X40 FS2HA 51.5	1.5	80	220	180	37	40	740	26	400	740	83
50	40	50X40 FS2HA 52.2	2.2	80	220	180	37	40	740	27	400	765	86
		50X40 FS2HA 53.7	3.7	80	215	180	37	55	740	29	395	825	108
		50X40 FS2HA 55.5	5.5	80	230	180	37	55	820	30	410	889	132
		65X50 FS2HA 53.7	3.7	100	215	180	42	55	740	30	395	845	114
		65X50 FS2HA 55.5	5.5	100	230	180	42	55	820	30	410	909	137
65	50	65X50 FS2HA 57.5	7.5	100	230	180	42	55	820	30	410	909	137
		65X50 FS2JA 511	11	100	270	225	49	98	920	48	495	1067	217
		65X50 FS2JA 515	15	100	270	225	49	98	920	48	495	1067	217
		80X65 FS2GA 55.5	5.5	100	230	180	39	55	820	30	410	909	134
		80X65 FS2GA 57.5	7.5	100	230	180	39	55	820	30	410	909	134
80	65	80X65 FS2HA 511	11	100	250	200	48	98	920	47	450	1067	215
		80X65 FS2HA 515	15	100	250	200	48	98	920	47	450	1067	215
		80X65 FS2JA 518.5	18.5	100	270	225	60	98	920	47	495	1111	265
		80X65 FS2JA 522	22	100	270	225	60	98	920	47	495	1130	287
		100X80 FS2GA 57.5	7.5	100	230	200	49	55	820	30	430	909	144
		100X80 FS2GA 511	11	100	250	200	49	98	920	47	450	1067	216
		100X80 FS2GA 515	15	100	250	200	49	98	920	47	450	1067	216
100	80	100X80 FS2HA 518.5	18.5	100	270	225	62	98	920	47	495	1111	267
		100X80 FS2HA 522	22	100	270	225	62	98	920	47	495	1130	289
		100X80 FS2JA 530	30	100	275	250	70	95	1040	65	525	1232	425
		100X80 FS2JA 537	37	100	275	250	70	95	1040	65	525	1232	425
		100X80 FS2JA 545	45	100	275	250	70	95	1040	65	525	1270	490







# END SUCTION VOLUTE PUMP

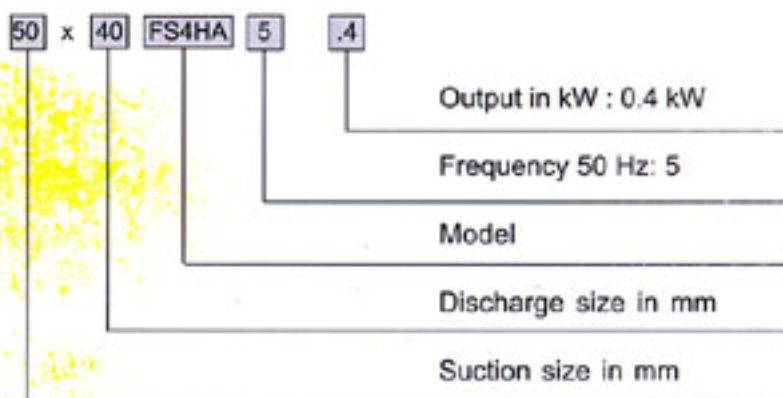
## ■ FEATURES

1. Easy maintenance BPO (Back Pull Out) feature allows all rotating element to be removed without disconnecting the suction and discharge pipework.
2. Top centerline discharge, foot support under casing for maximum resistance to misalignment and distortion from pipe loads.
3. Higher operating efficiency over a wider range of capacities, lowers operational cost.

## ■ APPLICATIONS

1. Water supply.
2. Hot and cold water circulation.
3. For cooling tower.
4. Fire-fighting application.
5. Irrigation.
6. Industrial use.
7. Drainage.

## ■ MODEL CODE



## ■ SPECIFICATION

Description		Standard	Option
Model		FSDA	
No. of Pole		2	4
Liquid	Type of liquid	Clean Water	
Handled	Temperature	0°C - 100°C (32-212°F)	
Max. Positive Suction Pressure (mpa) for M. seal		FSGA : 0.804 - (Shutoff pressure) FSHA, FSJA : 1.0 -(Shutoff pressure)	All except FSLA : 0.804 - (Shutoff pressure) FSLA : 1.0 -(Shutoff pressure)
Max. Working Pressure		10.2 Kgf/cm <sup>2</sup> (10 bar)	
Available Suction Lift		All except 100x80 : 6m 100x80 : 5m	Suction <= 125 : 6m 125x100 : 5.5
Synchronous speed		3000min <sup>-1</sup>	1500min <sup>-1</sup>
Construction	Shaft seal	Gland Packing	Mechanical Seal
	Bearing	Sealed Ball	
Material	Casing	Cast Iron	
	Impeller	Bronze	
	Shaft	403 Stainless Steel	
Flange	Suction	JIS 10 KRF	
	Discharge	JIS 10 KRF	
Accessories			
Optional	Common base, Anchor bolts, Shaft coupling, Coupling guard.		