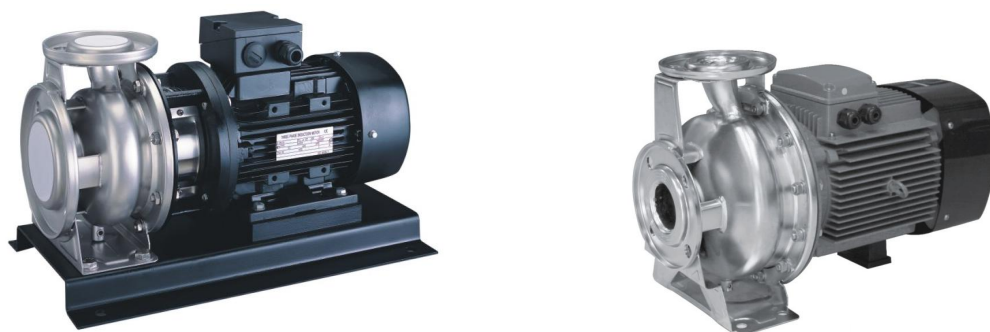
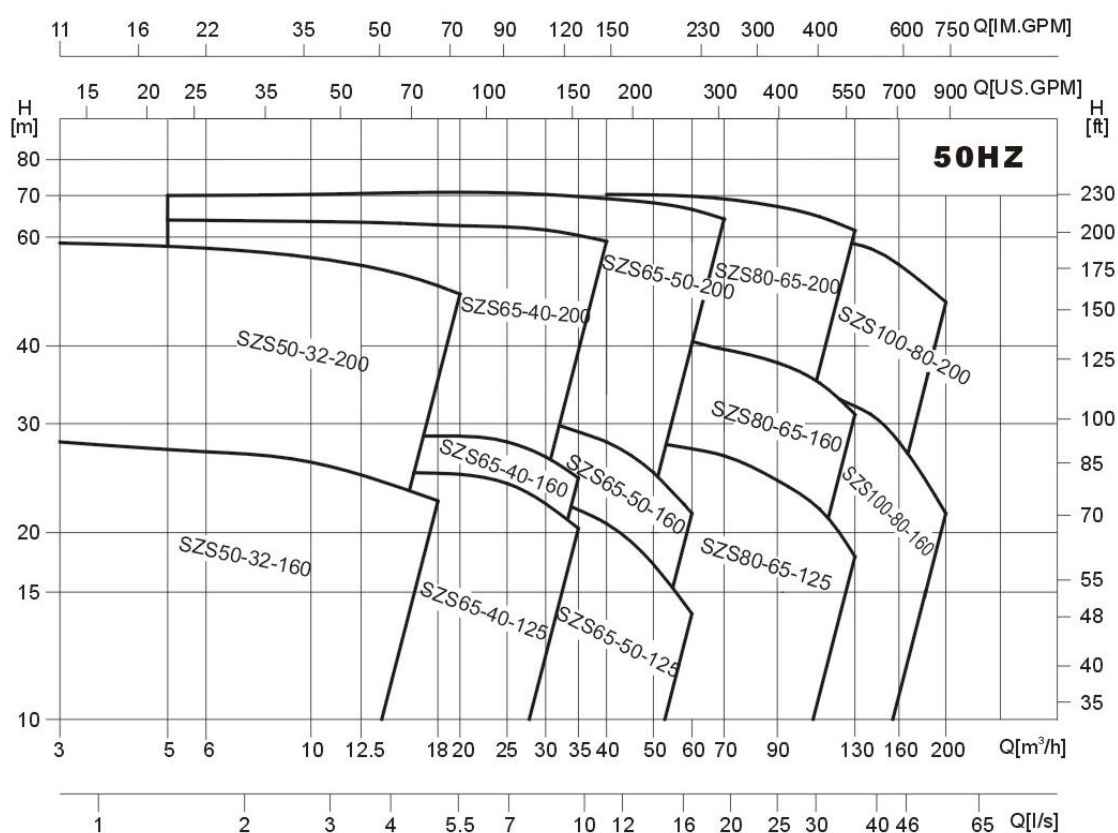




HORIZONTAL STAINLESS STEEL END SUCTION PUMP

SELECTION CHARTS



Horizontal Stainless Steel End Suction Centrifugal Pump

APPLICATIONS

- General water supply
- Cooling water system
- Sprinkler system
- Agriculture
- Boosting & circulation systems
- Water treatment
- Medicine & sanitation
- Petrochemical industry
- Fire fighting system

OPERATING LIMITS

- Flow rate up to 200m³/h
- Head up to 74m
- Max operating pressure: 10bar
- Water temperaturer: -20°C- +100°C
- Max ambient temperaturer: +50°C

DESIGN

Hydraulic parts

All stainless steel horizontal single stage not self-priming design, suitable for various mediums including water or industrial liquid. Manufactured in AISI316 or AISI304 stainless steel in compliance with EN733 DIN24255. The assembly dimensions of the mechanical seal are in compliance with DIN24960-ISO3069. Pump with stub shaft and standard motor.

Electric motor

The pump is coupled with a totally enclosed, fan-cooled squirrel-cage aluminum casing (less than 7.5kw) IEC standard motor built-in thermal overload unit.

Enclosure class: IP55

Speed: 2900rpm or 3500rpm

Insulation class: F

Standard voltage: 1x220-240V, 50hz or 60hz

3x220-240/380-415V, 50hz or 60hz

Sound level: <75dB(A)

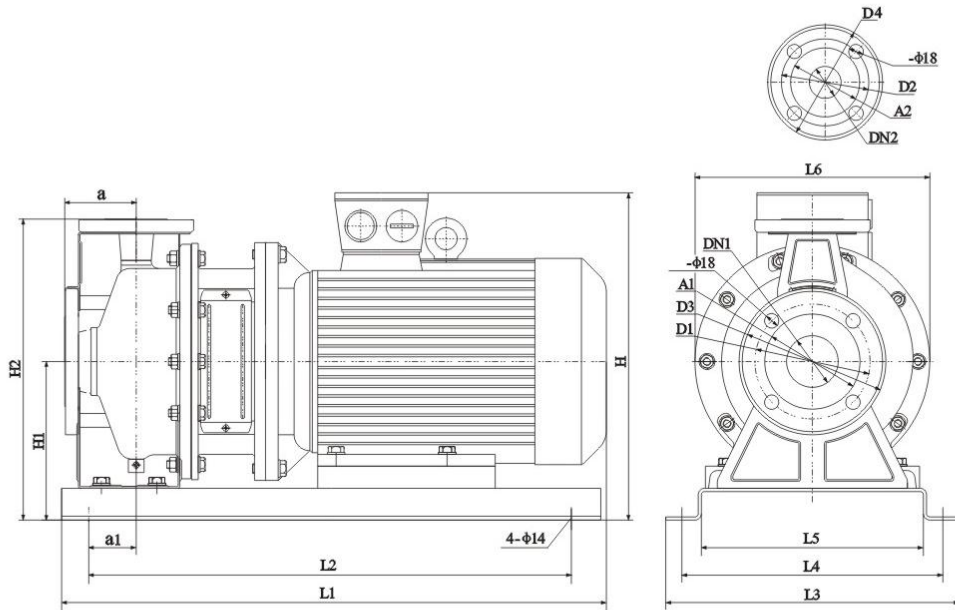
OPERATING TABLE 50HZ

Model	Power (kW)	Q (m³/h)	3	5	10	12.5	15	18	20	25	30	35	40	50	60	70	80	90	100	110	120	130	140	160	180	192	200
50-32-160/1.1	1.1	Head (m)	18.7	18.2	17	16.4																					
50-32-160/1.5	1.5		22.5	22.3	21	20	19	18																			
50-32-160/2.2	2.2		28	27.5	26	25	24	22.5																			
50-32-200/3.0	3		34.9	34.4	33	32	31	30	29																		
50-32-200/4.0	4		45.7	45	43	42	41	39	38																		
50-32-200/5.5	5.5		58.5	58	56	54	53	50	49																		
65-40-125/1.5	1.5				15.4	15.2	15	14.7	14.4	13	11.3																
65-40-125/2.2	2.2				19.7	19.6	19.5	19.3	19	18	16.7	15.2															
65-40-125/3.0	3				25.3	25.2	25.1	25	24.8	24	22.3	20.3															
65-40-160/4.0	4				29.7	29.4	29.3	29	28.9	28	26.5	24.5															
65-40-200/5.5	5.5				37.2	37	36.7	36.5	36.4	36	35.5	34.6	33.3														
65-40-200/7.5	7.5				47.5	47.2	47	46.8	46.6	46	45.2	44.5	43.3														
65-40-200/11.0	11				63.5	63.2	63	62.8	62.5	62	61.5	60.5	59														
65-50-125/3.0	3							17.3	17.2	17	16.4	15.7	15.1	13	10												
65-50-125/4.0	4							23.8	23.6	23	22.6	21.5	20.7	18	14.8												
65-50-160/5.5	5.5							31.1	31	31.5	30	29	28	25	21.5												
65-50-200/7.5	7.5							36.4	36.4	36	35.6	35	34.1	32	29.6												
65-50-200/9.2	9.2							43.5	43.5	43.2	43	43.5	42	40	37.5												
65-50-200/11.0	11							51.3	51	51.5	50	49.8	49.3	48	45.6												
65-50-200/15.0	15							59.7	59.6	59.5	59.5	59.3	59	58	56.2	53											
65-50-200/18.5	18.5							70.2	70.1	70.1	70	69.5	69.1	68	66.4	64											
80-65-125/5.5	5.5												19.3	18.7	18	17	15.8	14.8	13	11.4	9.7						
80-65-125/7.5	7.5												24.5	23.8	23.1	22.2	21	19.6	18	16.2	14.1						
80-65-125/9.2	9.2												28.1	27.8	27.3	26.6	25.7	24.3	23	21.8	20.1	18.3					
80-65-160/11.0	11												33.9	33	32.2	31.3	29.9	28.8	27	25.1	22.9	20.7					
80-65-160/15.0	15												41.8	41.1	40.4	39.5	38.6	37.6	36	34.8	33	31					
80-65-200/18.5	18.5												51	50.5	49.6	48.7	47.6	46.3	45	43.5	42.2	40.2					
80-65-200/22.0	22												57.7	57.2	56.8	55.9	55.1	54	53	51.6	49.7	48.2					
80-65-200/30.0	30												70.2	70.2	69.6	68.9	68.2	67.1	66	64.6	63.3	61.4					
100-80-160/11.0	11														23.8	23.3	22.7	21.7	21.1	20.3	19.7	18.8	17.6	15	11.8	9.7	
100-80-160/15.0	15														32.3	31.4	30.8	29.7	29.1	28.2	27.2	26	25.1	22	18.8	16.9	16.1
100-80-160/18.5	18.5														36.2	35.5	35.2	34.5	33.8	33	32.7	31.7	31	28	24.8	22.8	21.5
100-80-200/22.0	22														43.5	42.7	42	40.9	39.7	39	38.3	36.9	35.9	33	29	26.3	24.9
100-80-200/30.0	30														55.4	54.6	54.1	53	52.6	51.5	50.5	49.2	48.2	45	41.9	39.2	37.6
100-80-200/37.0	37														64.1	63	62.5	61.7	61	59.6	59	58	57.4	54	51.2	48.9	47.1



CHEMNIUM

INSTALLATION DIMENSIONS 50HZ

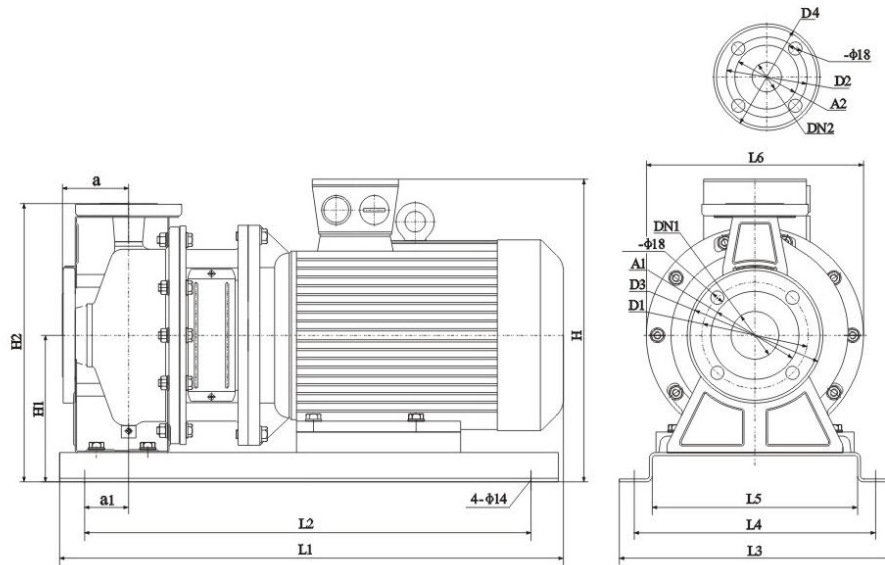


Model	Size(mm)																					
	DN1	DN2	A1	A2	D1	D2	D3	D4	n1	n2	a	a1	H	H1	H2	L1	L2	L3	L4	L5	L6	kgs
SZS50-32-160/1.1	50	32	98	75	125	100	160	139	4	4	80	32	290	152	296	470	370	280	240	192	210	31
SZS50-32-160/1.5	50	32	98	75	125	100	160	139	4	4	80	46	307	152	296	500	430	280	240	192	210	37
SZS50-32-160/2.2	50	32	98	75	125	100	160	139	4	4	80	46	307	152	296	500	430	280	240	192	210	39
SZS50-32-200/3.0	50	32	98	75	125	100	160	139	4	4	84	42	370	200	386	550	460	330	290	242	300	53
SZS50-32-200/4.0	50	32	98	75	125	100	160	139	4	4	84	47	393	200	386	560	480	330	290	242	300	58
SZS50-32-200/5.5	50	32	98	75	125	100	160	139	4	4	84	50	413	200	386	660	580	370	330	280	300	77
SZS65-40-125/1.5	65	40	118	84	145	110	185	145	4	4	80	45	307	152	294	502	430	280	240	192	210	33
SZS65-40-125/2.2	65	40	118	84	145	110	185	145	4	4	80	45	307	152	294	502	430	280	240	192	210	35
SZS65-40-125/3.0	65	40	118	84	145	110	185	145	4	4	80	45	322	152	294	532	460	300	260	212	250	47
SZS65-40-160/4.0	65	40	118	84	145	110	185	145	4	4	80	45	345	152	294	557	480	330	290	242	250	52
SZS65-40-200/5.5	65	40	118	84	145	110	185	145	4	4	100	50	413	200	380	680	580	370	330	280	300	78
SZS65-40-200/7.5	65	40	118	84	145	110	185	145	4	4	100	50	413	200	380	680	580	370	330	280	300	82
SZS65-40-200/11.0	65	40	118	84	145	110	185	145	4	4	100	50	456	200	380	790	690	420	380	330	350	161
SZS65-50-125/3.0	65	50	118	98	145	125	185	160	4	4	86	45	342	172	338	548	468	330	290	242	250	49
SZS65-50-125/4.0	65	50	118	98	145	125	185	160	4	4	86	45	365	172	338	570	490	330	290	242	250	54
SZS65-50-160/5.5	65	50	118	98	145	125	185	160	4	4	100	50	413	200	380	680	580	370	330	280	300	78
SZS65-50-200/7.5	65	50	118	98	145	125	185	160	4	4	100	50	413	200	380	680	580	370	330	280	300	82
SZS65-50-200/9.2	65	50	118	98	145	125	185	160	4	4	100	50	413	200	380	680	580	370	330	280	300	85
SZS65-50-200/11.0	65	50	118	98	145	125	185	160	4	4	100	50	456	200	380	790	690	420	380	330	350	161
SZS65-50-200/15.0	65	50	118	98	145	125	185	160	4	4	100	50	456	200	380	790	690	420	380	330	350	171
SZS65-50-200/18.5	65	50	118	98	145	125	185	160	4	4	100	50	456	200	380	830	730	420	380	330	350	188
SZS80-65-125/5.5	80	65	130	118	160	145	200	185	8	4	100	50	413	200	380	690	590	370	330	280	300	79
SZS80-65-125/7.5	80	65	130	118	160	145	200	185	8	4	100	50	413	200	380	690	590	370	330	280	300	83
SZS80-65-125/9.2	80	65	130	118	160	145	200	185	8	4	100	50	413	200	380	690	590	370	330	280	300	87
SZS80-65-160/11.0	80	65	130	118	160	145	200	185	8	4	100	50	456	200	400	790	690	420	380	330	350	163
SZS80-65-160/15.0	80	65	130	118	160	145	200	185	8	4	100	50	456	200	400	790	690	420	380	330	350	173
SZS80-65-200/18.5	80	65	130	118	160	145	200	185	8	4	100	50	476	220	445	830	730	420	380	330	350	190
SZS80-65-200/22.0	80	65	130	118	160	145	200	185	8	4	100	50	500	220	445	880	780	455	415	365	350	220
SZS80-65-200/30.0	80	65	130	118	160	145	200	185	8	4	100	50	550	240	465	950	850	495	455	405	400	292
SZS100-80-160/11.0	100	80	150	130	180	160	220	200	8	8	125	75	476	220	445	830	730	420	380	330	350	163
SZS100-80-160/15.0	100	80	150	130	180	160	220	200	8	8	125	75	476	220	445	830	730	420	380	330	350	173
SZS100-80-160/18.5	100	80	150	130	180	160	220	200	8	8	125	75	476	220	445	870	770	420	380	330	350	185
SZS100-80-200/22.0	100	80	150	130	180	160	220	200	8	8	125	75	500	220	470	915	810	455	415	365	350	223
SZS100-80-200/30.0	100	80	150	130	180	160	220	200	8	8	125	75	550	240	490	985	880	495	455	405	400	295
SZS100-80-200/37.0	100	80	150	130	180	160	220	200	8	8	125	75	550	240	490	985	880	495	455	405	400	315



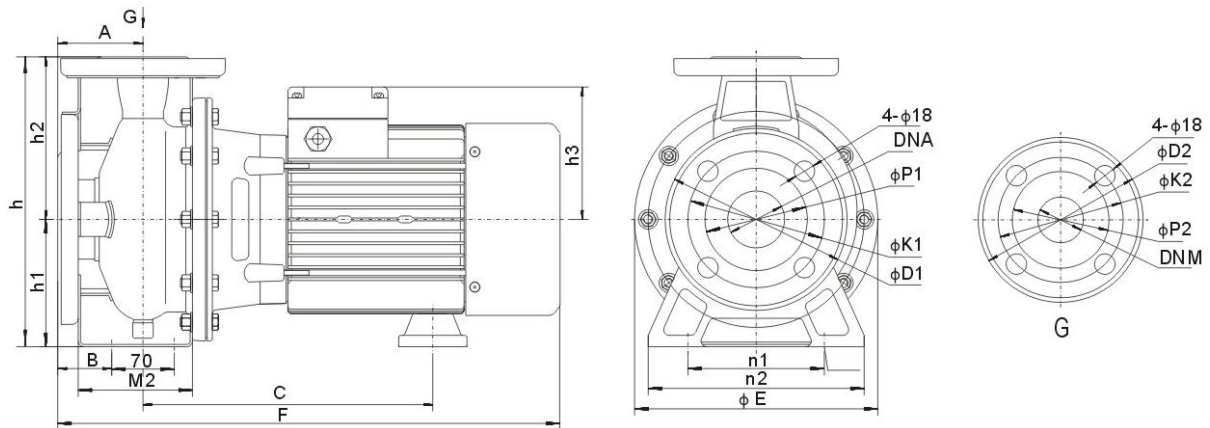
CHEMNium

INSTALLATION DIMENSIONS 50HZ



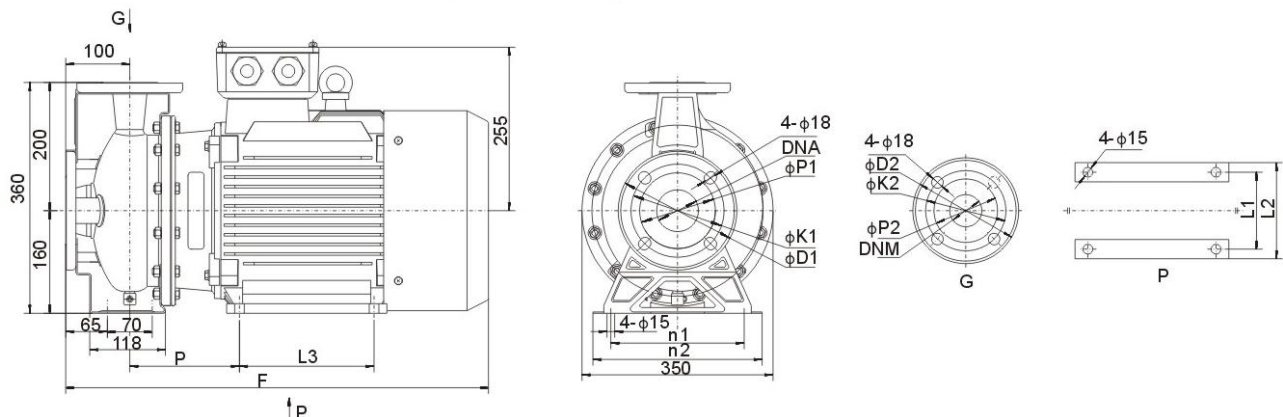
Model	Size(mm)																					kgs
	DN1	DN2	A1	A2	D1	D2	D3	D4	n1	n2	a	a1	H	H1	H2	L1	L2	L3	L4	L5	L6	
SZSS50-32-160/1.1	50	32	98	75	125	100	160	139	4	4	80	32	290	152	296	470	370	280	240	192	210	31
SZSS50-32-160/1.5	50	32	98	75	125	100	160	139	4	4	80	46	307	152	296	500	430	280	240	192	210	37
SZSS50-32-160/2.2	50	32	98	75	125	100	160	139	4	4	80	46	307	152	296	500	430	280	240	192	210	39
SZSS50-32-200/3.0	50	32	98	75	125	100	160	139	4	4	80	46	322	152	296	532	460	300	260	212	250	47
SZSS50-32-200/4.0	50	32	98	75	125	100	160	139	4	4	84	47	393	200	386	560	480	330	290	242	300	58
SZSS50-32-200/5.5	50	32	98	75	125	100	160	139	4	4	84	50	413	200	386	660	580	370	330	280	300	77
SZSS65-40-125/1.5	65	40	118	84	145	110	185	145	4	4	80	45	307	152	294	502	430	280	240	192	210	33
SZSS65-40-125/2.2	65	40	118	84	145	110	185	145	4	4	80	45	307	152	294	502	430	280	240	192	210	35
SZSS65-40-125/3.0	65	40	118	84	145	110	185	145	4	4	80	45	322	152	294	532	460	300	260	212	250	47
SZSS65-40-125/4.0	65	40	118	84	145	110	185	145	4	4	80	45	345	152	294	557	480	330	290	242	250	52
SZSS65-40-160/5.5	65	40	118	84	145	110	185	145	4	4	100	50	413	200	380	680	580	370	330	280	300	78
SZSS65-40-160/7.5	65	40	118	84	145	110	185	145	4	4	100	50	413	200	380	680	580	370	330	280	300	82
SZSS65-40-200/11.0	65	40	118	84	145	110	185	145	4	4	100	50	456	200	380	790	690	420	380	330	350	161
SZSS65-50-125/3.0	65	50	118	98	145	125	185	160	4	4	86	45	342	172	338	548	468	330	290	242	250	49
SZSS65-50-125/4.0	65	50	118	98	145	125	185	160	4	4	86	45	365	172	338	570	490	330	290	242	250	54
SZSS65-50-125/5.5	65	50	118	98	145	125	185	160	4	4	86	37	385	172	338	680	580	370	330	280	300	78
SZSS65-50-160/7.5	65	50	118	98	145	125	185	160	4	4	86	37	385	172	338	680	580	370	330	280	300	82
SZSS65-50-160/9.2	65	50	118	98	145	125	185	160	4	4	86	37	385	172	338	680	580	370	330	280	300	85
SZSS65-50-200/11.0	65	50	118	98	145	125	185	160	4	4	100	50	456	200	380	790	690	420	380	330	350	161
SZSS65-50-200/15.0	65	50	118	98	145	125	185	160	4	4	100	50	456	200	380	790	690	420	380	330	350	171
SZSS65-50-200/18.5	65	50	118	98	145	125	185	160	4	4	100	50	456	200	380	830	730	420	380	330	350	188
SZSS80-65-125/5.5	80	65	130	118	160	145	200	185	8	4	100	50	413	200	380	690	590	370	330	280	300	79
SZSS80-65-125/7.5	80	65	130	118	160	145	200	185	8	4	100	50	413	200	380	690	590	370	330	280	300	83
SZSS80-65-125/9.2	80	65	130	118	160	145	200	185	8	4	100	50	413	200	380	690	590	370	330	280	300	87
SZSS80-65-160/11.0	80	65	130	118	160	145	200	185	8	4	100	50	456	200	400	790	690	420	380	330	350	163
SZSS80-65-160/15.0	80	65	130	118	160	145	200	185	8	4	100	50	456	200	400	790	690	420	380	330	350	173
SZSS80-65-200/18.5	80	65	130	118	160	145	200	185	8	4	100	50	476	220	445	830	730	420	380	330	350	190
SZSS80-65-200/22.0	80	65	130	118	160	145	200	185	8	4	100	50	500	220	445	880	780	455	415	365	350	220
SZSS80-65-200/30.0	80	65	130	118	160	145	200	185	8	4	100	50	550	240	465	950	850	495	455	405	400	292
SZSS100-80-160/15.0	100	80	150	130	180	160	220	200	8	8	125	75	476	220	445	830	730	420	380	330	350	173
SZSS100-80-160/18.5	100	80	150	130	180	160	220	200	8	8	125	75	476	220	445	870	770	420	380	330	350	185
SZSS100-80-200/22.0	100	80	150	130	180	160	220	200	8	8	125	75	500	220	470	915	810	455	415	365	350	223
SZSS100-80-200/30.0	100	80	150	130	180	160	220	200	8	8	125	75	550	240	490	985	880	495	455	405	400	295
SZSS100-80-200/37.0	100	80	150	130	180	160	220	200	8	8	125	75	550	240	490	985	880	495	455	405	400	315

INSTALLATION DIMENSIONS(1.1~15kW) 50/60HZ



Model	Power P ₂ (kW)	φ E	F	h	h1	h2	h3	a	m2	n1	n2	B	C	φ D1	φ K1	φ P1	φ D2	φ K2	φ P2	DNA	DNM
SZB/SZBS 50-32-160/1.1	1.1	210	395	255	112	143	134	80	115	160	190	45	215	165	125	96	140	100	76	50	32
SZB/SZBS 50-32-160/1.5	1.5	210	395	255	112	143	134	80	115	160	190	45	215	165	125	96	140	100	76	50	32
SZB/SZBS 50-32-160/2.2	2.2	210	438	255	112	143	119	80	115	160	190	45	245	165	125	96	140	100	76	50	32
SZB/SZBS 50-32-200/3.0	3.0	300	450	340	160	180	119	80	118	190	240	45	245	165	125	96	140	100	76	50	32
SZB/SZBS 50-32-200/4.0	4.0	300	498	340	160	180	142	80	118	190	240	45	257	165	125	96	140	100	76	50	32
SZB/SZBS 50-32-200/5.5	5.5	300	532	340	160	180	162	80	118	190	240	45	272	165	125	96	140	100	76	50	32
SZB/SZBS 65-40-125/1.5	1.5	210	395	255	112	143	134	80	115	160	190	45	215	185	145	115	150	110	80	65	40
SZB/SZBS 65-40-125/2.2	2.2	210	438	255	112	143	119	80	115	160	190	45	245	185	145	115	150	110	80	65	40
SZB/SZBS 65-40-125/3.0	3.0	260	450	295	132	160	119	80	118	190	240	45	245	185	145	115	150	110	80	65	40
SZB/SZBS 65-40-160/4.0	4.0	260	498	295	132	160	142	80	118	190	240	45	258	185	145	115	150	110	80	65	40
SZB/SZBS 65-40-200/5.5	5.5	300	554	360	160	200	162	100	118	212	264	65	274	185	145	115	150	110	80	65	40
SZB/SZBS 65-40-200/7.5	7.5	300	595	360	160	200	162	100	118	212	264	65	274	185	145	115	150	110	80	65	40
SZB/SZBS 65-40-200/11	11	300	623	360	160	200	179	100	118	212	264	65	335	185	145	115	150	110	80	65	40
SZB/SZBS 65-50-125/3.0	3.0	260	455	295	132	160	119	80	115	190	240	45	245	185	145	115	165	125	96	65	50
SZB/SZBS 65-50-125/4.0	4.0	260	498	295	132	160	142	80	115	190	240	45	258	185	145	115	165	125	96	65	50
SZB/SZBS 65-50-160/5.5	5.5	300	554	360	160	200	162	100	118	212	264	65	274	185	145	115	165	125	96	65	50
SZB/SZBS 65-50-200/7.5	7.5	300	595	360	160	200	162	100	118	212	264	65	274	185	145	115	165	125	96	65	50
SZB/SZBS 65-50-200/9.2	9.2	300	623	360	160	200	179	100	118	212	264	65	335	185	145	115	165	125	96	65	50
SZB/SZBS 65-50-200/11	11	300	623	360	160	200	179	100	118	212	264	65	335	185	145	115	165	125	96	65	50
SZB/SZBS 65-50-200/15	15	300	665	360	160	200	179	100	118	212	264	65	335	185	145	115	165	125	96	65	50

Installation Struction(18.5kW)



Model	Power P ₂ (kW)	F	n1	n2	P	L1	L2	L3	φ D1	φ K1	φ P1	φ D2	φ K2	φ P2	DNA	DNM
SZB/SZBS 65-50-200/18.5	18.5	725	212	264	175	254	320	254	185	145	115	165	125	96	65	50