

ST SERIES SINGLE-PHASE A.C. SYNCHRONOUS GENERATORS

ST series generators are mainly designed to serve as power generating unit of small capacity which supply electricity for lighting purpose in ships as for household electric device use in towns or villages.

The construction of the generators is of drip-proof, salient pole rotating field self-excitation and constant voltage type. The alternator inside is used with high quality electric magnetic and electrical materials. Stator insulation is class B.

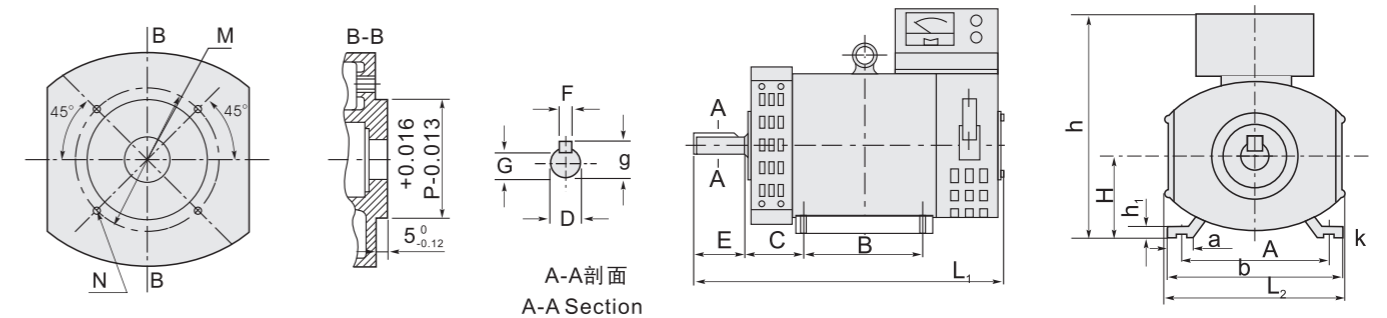
These generators are excellent in appearance, they are consolidate in construction and easy to maintain. Dimensions are adopted IEC standard, they are suitable for Australia, Europe, America and other countries if the end covers model B.

OPERATING CONDITIONS

Cooling air temperature: $-15^{\circ}\text{C} \sim 40^{\circ}\text{C}$
 Above sea level: not exceed 1000m
 Relative air damping: not exceed 90%

SPECIFICATION

Model	Output (kw)	Current(A)		Voltage(V)		Power factor (cos φ)	Pole number	Speed(r/min)	
		Series Connection	Parallel Connection	Series Connection	Parallel Connection			50Hz	60Hz
ST-2	2	8.7	17.4	230	115	1.0	4	1500	1800
ST-3	3	13	26	230	115	1.0	4	1500	1800
ST-5	5	21.8	43.5	230	115	1.0	4	1500	1800
ST-7.5	7.5	32.6	65.2	230	115	1.0	4	1500	1800
ST-10	10	43.5	87	230	115	1.0	4	1500	1800
ST-12	12	52.2	104	230	115	1.0	4	1500	1800
ST-15	15	65.3	130	230	115	1.0	4	1500	1800
ST-20	20	87	174	230	115	1.0	4	1500	1800
ST-24	24	104.4	208.8	230	115	1.0	4	1500	1800



INSTALLATION AND OVERALL DIMENSION

Model	Installing dimensions												External dimensions						Weight (kg)	
	A	B	C	D	E	F	G	H	K	M	N	P	a	b	h1	h	L1	L2		g
ST-2	216	178	89	32	80	10	27	132	12	-	-	-	34	250	18	385	480	270	35	65
ST-3	216	178	89	32	80	10	27	132	12	-	-	-	34	250	18	385	480	270	35	70
ST-5	254	254	108	38	80	10	33	160	15	-	-	-	50	310	25	440	580	325	41	120
ST-7.5	254	254	108	38	80	10	33	180	15	-	-	-	50	310	25	440	580	325	41	130
ST-10	279	203	121	42	110	12	37	180	15	265	4-M12	230	60	339	25	480	610	365	45	140
ST-12	279	203	121	42	110	12	37	180	15	265	4-M12	230	60	339	25	480	610	365	45	155
ST-15	318	228	133	48	110	14	42.5	200	19	300	4-M16	250	60	378	30	540	660	400	51.5	192
ST-20	318	228	133	48	110	14	42.5	200	19	300	4-M16	250	60	378	30	540	660	400	51.5	202
ST-24	356	286	149	60	140	18	53	225	20	350	4-M16	300	65	421	32	650	770	452	64	257

Note: If select Model "B" end cover you should write "B" on your order as ST-10B, If the "B" is not written on the order provide Model "A" for you word "A" is unnecessary the later such as ST-10.

We are able to make derivative products and products for special purposes according to customers' requirements.