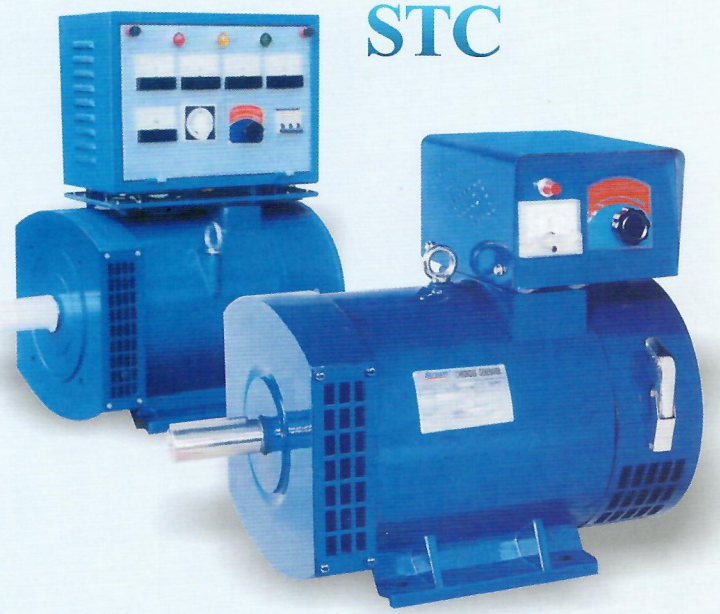
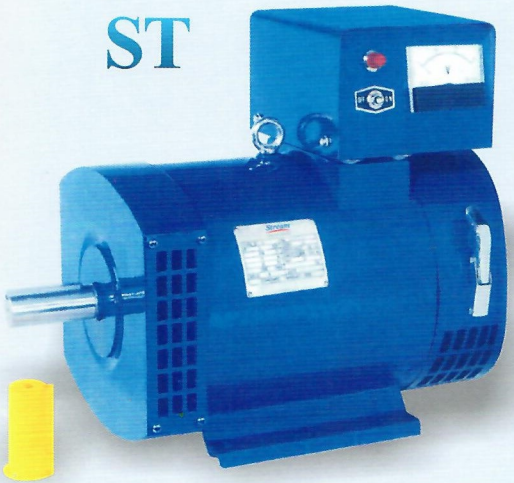
Stream®
Sign of Quality

SINGLE-PHASE / THREE PHASE AC ALTERNATOR

STC

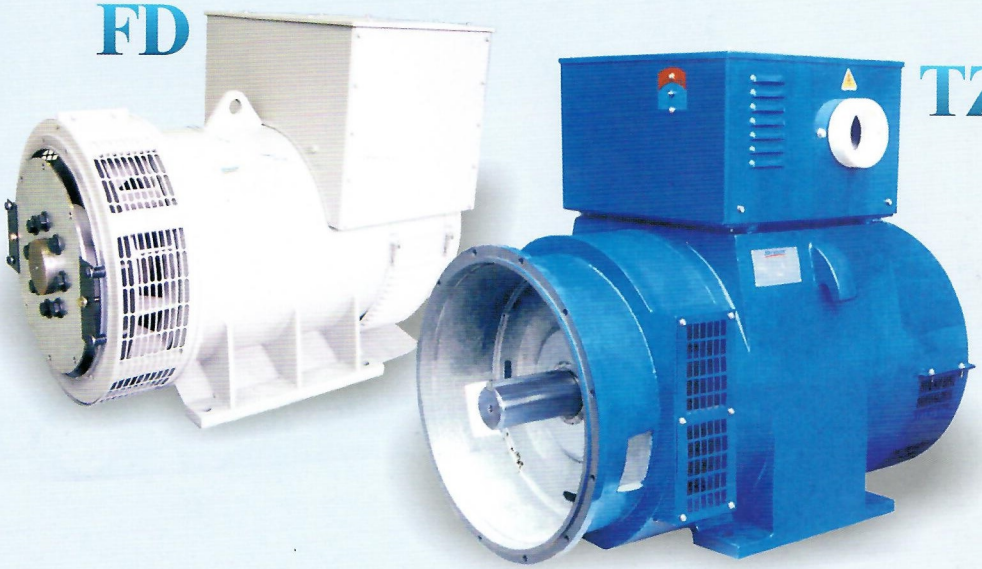


ST



FD

TZH



ALTERNATOR

ST

SERIES SINGLE-PHASE A.C. SYNCHRONOUS GENERATOR

ST series generators are mainly designed to serve as power generating unit for lighting purpose in ships,towns or villages and house-hold electric appliances. The construction of the generators is drip-proof type,IP21,salient-pole rotating field self excitation and constant voltage type.The generator interior is made of high quality magnetic and electrical materials.insulation for stator and rotor is class B or F.

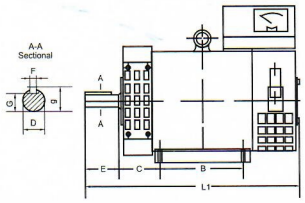
The generators are elegant in appearance,tight in construction and easy maintenance.IEC standard are adopted on dimension,Which are suitable for using in Australia,Europe,America and other countries with the end covers to be model B.The generators are made as per standard JB/T3320.2-2000.And in conformity to IEC34-1.

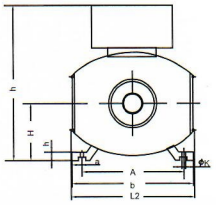
ENVIRONMENT CONDITIONS

Under the following environment,the generator could run continuously:

- Altitude:not exceed 1000m.
- Cooling air temperature:258~313K(-15℃~40℃).
- Relative air humidity:not exceed 90%.

INSTALLATION DIMENSIONS





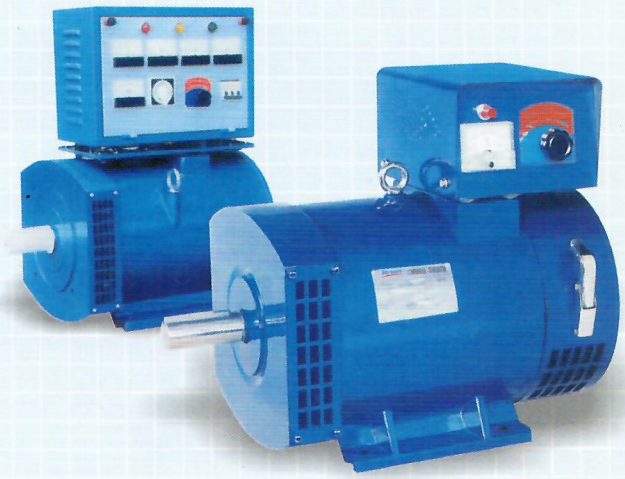
Type	Output(kw)	Current(a)		Voltage(v)		Power Factor(cos)	Pole Number	Speed (r.p.m)	Freq. (hz)
		Series Connection	Parallel Connection	Series Connection	Parallel Connection				
ST-1	1	4.35	8.7	230	115	1.0	4	1500/1800	50/60
ST-2	2	8.7	17.4	230	115	1.0	4	1500/1800	50/60
ST-3	3	13	26	230	115	1.0	4	1500/1800	50/60
ST-5	5	21.8	43.5	230	115	1.0	4	1500/1800	50/60
ST-7.5	7.5	32.6	65.2	230	115	1.0	4	1500/1800	50/60
ST-10	10	43.5	87	230	115	1.0	4	1500/1800	50/60
ST-12	12	52.2	104	230	115	1.0	4	1500/1800	50/60
ST-15	15	65.3	130	230	115	1.0	4	1500/1800	50/60
ST-20	20	87	174	230	115	1.0	4	1500/1800	50/60
ST-24	24	104	208	230	115	1.0	4	1500/1800	50/60

Type	Output (kw)	Installing Dimensions(mm)										Overall Dimensions(mm)					
		H	A	B	C	D	E	F	G	g	K	a	b	H1	h	L1	L2
ST-1	1	132	216	178	89	32	80	10	27	34.8	12	34	250	18	384	480	270
ST-2	2	132	216	178	89	32	80	10	27	34.8	12	34	250	18	385	480	270
ST-3	3	132	216	178	89	32	80	10	27	34.8	12	34	250	18	384	480	270
ST-5	5	160	254	254	108	38	80	10	33	40.8	15	50	310	25	440	580	325
ST-7.5	7.5	160	254	254	108	38	80	10	33	40.8	15	50	310	25	440	580	325
ST-10	10	180	279	203	121	42	110	12	37	44.8	15	60	339	25	480	610	365
ST-12	12	180	279	203	121	42	110	12	37	44.8	15	60	339	25	480	610	365
ST-15	15	200	318	228	133	48	110	14	42.5	51.2	19	60	378	30	540	660	400
ST-20	20	200	318	228	133	48	110	14	42.5	51.2	19	60	378	30	540	660	400
ST-24	24	200	318	228	133	48	110	14	42.5	51.2	19	60	378	30	540	660	400

STC

SERIES THREE-PHASE A.C. SYNCHRONOUS GENERATOR

STC series generators are used in town,countryside,worksites,villages and pastures as emergence power source.The generators are drip-proof with rotary field type,IP23,Insulation Class: B or F,adopting harmonic excitation system,safe and reliable using,easy operation and maintenance.
The generators are three-phase,four-wire type,adopting star connection with neutral point.The rated line voltage is 400v,phase voltage 230v.frequency 50Hz. power factor 0.8(lag).We can provide 60HZ and the other voltage's generator according to the customer's request.
They can be coupled with a prime mover directly or through v-belt making right or reverse continuous rotation at the rated speed.When the rotation speed of prime mover changes 3%or so and load varies in the range of 0~100% Cosø 0.8~1.0,the generators offer constant coltage,when sudden change (increase or decrease)of load,the generator will soon retum to their normal working state,at the same time,without any starting device the generator can directly start an unloaded squirrel cage induction motor. The generators are made as per standard JB/T8981-1999.And in conformity to IEC34-1.

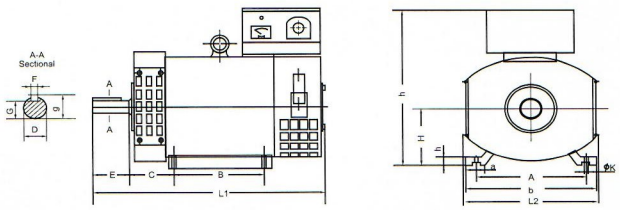


ENVIRONMENT CONDITIONS

Under the following environment,the generator could run continuously:

- Altitude:not exceed 1000m.
- Cooling air temperature:258~313K(-15℃~40℃).
- Relative air humidity:not exceed 90%.

INSTALLATION DIMENSIONS



Type	Output		Voltage(V)	Current(A)	Power factor(cos)	Speed(r/min)	Freq.(Hz)	Pole Number
	KVA	KW						
STC-3	3.8	3	400/230	5.4	0.8	1500	50	4
STC-5	6.3	5	400/230	9	0.8	1500	50	4
STC-7.5	9.4	7.5	400/230	13.5	0.8	1500	50	4
STC-8	10	8	400/230	14.4	0.8	1500	50	4
STC-10	12.5	10	400/230	18.1	0.8	1500	50	4
STC-12	15	12	400/230	21.7	0.8	1500	50	4
STC-15	18.8	15	400/230	27.1	0.8	1500	50	4
STC-20	25	20	400/230	36.1	0.8	1500	50	4
STC-24	30	24	400/230	43.3	0.8	1500	50	4
STC-30	37.5	30	400/230	54.1	0.8	1500	50	4
STC-40	50	40	400/230	72.2	0.8	1500	50	4
STC-50	62.5	50	400/230	90.2	0.8	1500	50	4

Type	Output		Installing dimensions(mm)										Overall dimensions(mm)					
	kVA	kW	H	A	B	C	D	E	F	G	g	K	a	b	H1	h	L1	L2
STC-3	3.8	3	132	216	178	89	32	80	10	27	34.8	12	34	250	18	400	480	270
STC-5	6.3	5	160	254	254	108	38	80	10	33	40.8	15	50	310	25	455	580	325
STC-7.5	9.4	7.5	160	254	254	108	38	80	10	33	40.8	15	50	310	25	455	580	325
STC-8	10	8	160	254	254	108	38	80	10	33	40.8	15	50	310	25	455	580	325
STC-10	12.5	10	180	279	203	121	42	110	12	37	44.8	15	60	339	25	495	610	365
STC-12	15	12	180	279	203	121	42	110	12	37	44.8	15	60	339	25	495	610	365
STC-15	18.8	15	200	318	228	133	48	110	14	42.5	51.5	19	60	378	30	540	660	400
STC-20	25	20	200	318	228	133	48	110	14	42.5	51.5	19	60	378	30	540	660	400
STC-24	30	24	200	318	228	133	48	110	14	42.5	51.5	19	60	378	30	540	660	400
STC-30	37.5	30	225	356	286	149	60	140	18	53	64	19	65	421	32	610	770	452
STC-40	50	40	225	356	286	149	60	140	18	53	64	19	65	421	32	610	770	452
STC-50	62.5	50	225	356	311	149	60	140	18	53	64	19	65	421	32	610	810	452