



STC

系列单相交流同步发电机 SERIES SINGLE-PHASE A.C SYNCHRONOUS GENERATOR

本系列发电机适用于乡村、城镇、工地、山区及牧区等的照明及动力的三相交流电源，也可作为应急用的备用电源。

发电机为防滴转场式，采用带有中性点的星形接法，额定线电压为400伏，相电压为230伏，频率50赫，功率因数0.8（滞后）。根据需要，也可提供60赫及其它电压值的发电机。

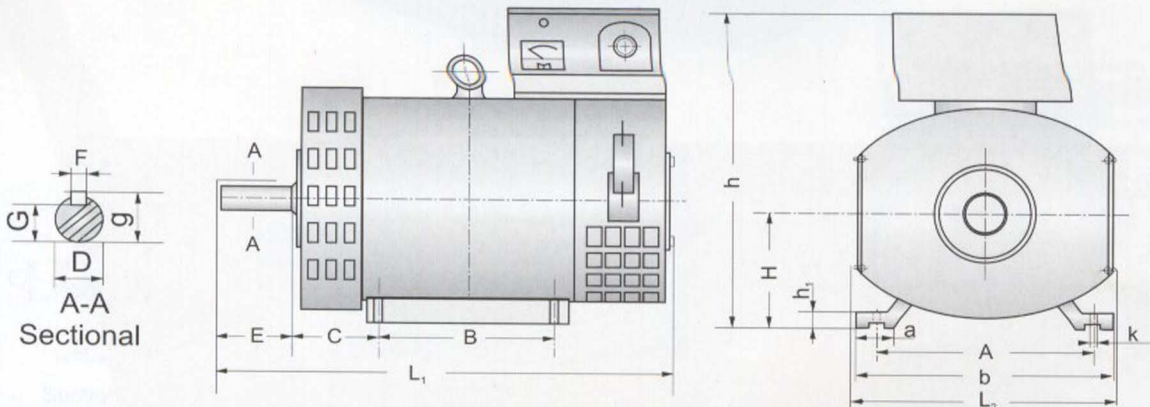
发电机与原动机可直接联结或用三角皮带联接，正反转额定连续运行。当原动机转速变化3%时，负载从0-100%， $\cos\Phi$ 1.0-0.8范围内任意变化，其恒压性能优良，同时，无需任何起动装置能直接起动0.7倍容量的空载鼠笼型异步电机。

The generators are to be used in town, the countryside, worksites, mountain and pasture lands as a electric power source for lighting purpose, It can also be used as a reserved power source for emergent case. The generators are of drip-pooof with rotary field type and with the adoption of harmonic excitation system, that allow your easy operation and simple maintenance. The generators are of three-phase four-wire type, making use of atar connection with neutral point. The rated line voltage is 400V. phase voltage 230V. frequency 50Hz. power factor 0.8(lag). It can provide 60Hz and the other voltage's generator according to necessary. 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 revolution slip of prime mover is 3% and load varies in the range of $0 \sim 100\%$ $\cos \Phi$ 1.0-0.8 they give food constant voltage. After sudden change (increase or decrease)of load. the generators will soon return to their normal working state. without any starting devices the generator can directly start an unloaded squirrel cage induction motor.

技术数据 TECHNICAL DATA

型号 Model	STC-3	STC-5	STC-7.5	STC-10	STC-12	STC-15	STC-20	STC-30	STC-40	STC-50
功率 Output (KW)	3	5	7.5	10	12	15	20	30	40	50
功率 Output (KVA)	3.8	6.3	9.4	12.5	15	18.8	25	37.5	50	62.5
电流 Current(A)	5.4	9	13.5	18.1	21.7	27.1	36.1	54.1	72.2	90.2
极数 Pole number	4									
转数 Speed (r.p.m)	1500									

外形和安装尺寸 OVERALL AND MOUNTING DIMENSIONS



型号 Model	STC-3	STC-5	STC-7.5	STC-10	STC-12	STC-15	STC-20	STC-30	STC-40	STC-50	
功率 Output	KW	3	5	7.5	10	12	15	20	30	40	50
	KAV	3.8	6.3	9.4	12.5	15	18.8	25	37.5	50	62.5
安装尺寸 Installing dimensions	A	216	254	254	279	279	318	318	356	356	356
	B	178	254	254	203	203	228	228	286	286	311
	C	89	108	108	121	121	133	133	149	149	149
	D	∅32	∅38	∅38	∅42	∅42	∅48	∅48	∅60	∅60	∅60
	E	80	80	80	110	110	110	110	140	140	140
	F	10	10	10	12	12	14	14	18	18	18
	G	27	33	33	37	37	42.5	42.5	53	53	53
	H	132	160	160	180	180	200	200	225	225	225
	K	12	15	15	15	15	19	19	20	20	20
	外形尺寸 External dimensions	a	34	50	50	60	60	60	65	65	65
b		250	310	310	339	339	378	378	421	421	421
h1		18	25	25	25	25	30	30	32	32	32
h		385	440	440	480	480	540	540	650	650	650
L1		480	580	580	610	610	660	660	770	770	810
L2		270	325	325	365	365	400	400	452	452	452
g		35	41	41	45	45	51.5	51.5	64	64	64
重量 Weight (kg)	70	120	130	140	155	192	202	257	290	344	