



ST/STC 系列单相、三相交流同步发电机

SINGLE-PHASE OR THREE-PHASE A.C SYNCHRONOUS ALTERNATOR



此系列发电机主要用于城镇、乡村、工地、山区及牧场等的照明及动力的三相交流电源,也可作为应急的备用电源。发电机为防滴转场式,采用三次谐波励磁方式,使用安全可靠,维护简单方便。发电机为三相四线制,采用带有中性的星形接法,额定电压为400V,相电压为230V,频率为50HZ,功率因素0.8(滞后)。根据客户要求,我们也可提供60HZ及其电压的发电机。发电机与原动机可直接联接或用三角皮带联接,正反转额定连续运行,当原动机转速变化为3%时,负载从0~100%,COS在1.0~0.8范围内任意变化时,其额定电压均在允许的范围内,恒压性能优良,瞬态性能好;同时,无需任何起动装置就能直接起动70%容量的笼型异步发电机。

This series generators are to be used in town, countryside, worksites, mountain and pasture as electric power source for lighting purpose. It can also be used as reserved power source for emergent case using. The generators are of dripproof with rotary field type and adopt harmonic excitation system, 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 change 3% or so and load varies in the range of 0~100%, cos 0.8~1.0, the generators offer constant voltage; when sudden change (increase or decrease) of load, the generator will soon return to their normal working state, at the same time, without any starting device, the generator can directly start an unloaded squirrel cage induction motor.

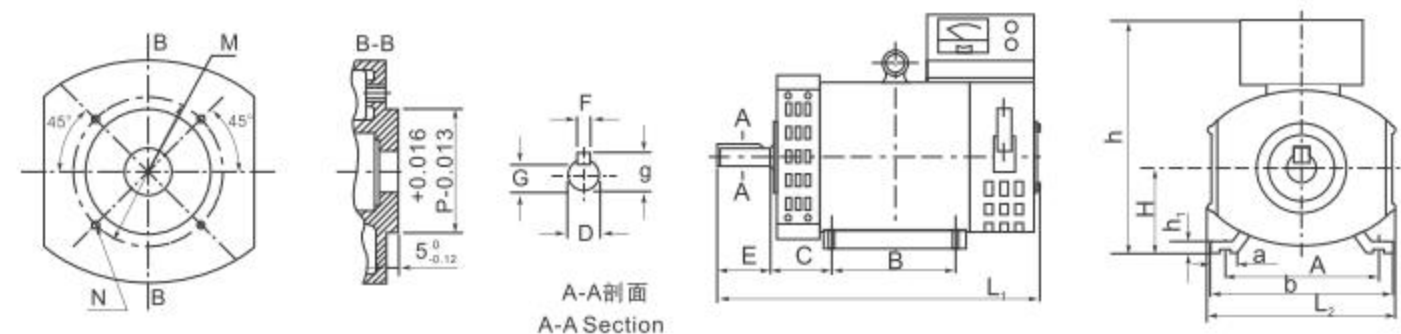


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技术数据 SPECIFICATION

型号 Model	功率 Output(KW)	电流 Current(A)	转速 Speed(r/min)	极数 Pole number
ST-2	2	8.7	1500	4
ST-3	3	13	1500	4
ST-5	5	21.8	1500	4
ST-7.5	7.5	32.6	1500	4
ST-10	10	43.5	1500	4
ST-12	12	52.2	1500	4
ST-15	15	65.3	1500	4
ST-20	20	87	1500	4
ST-24	24	104.4	1500	4
STC-3	3	5.4	1500	4
STC-5	5	9	1500	4
STC-7.5	7.5	13.5	1500	4
STC-10	10	18.1	1500	4
STC-12	12	21.7	1500	4
STC-15	15	27.1	1500	4
STC-20	20	36.1	1500	4
STC-24	24	43.3	1500	4
STC-30	30	54.1	1500	4
STC-40	40	72.2	1500	4
STC-50	50	90.2	1500	4



外形及安装尺寸 INSTALLATION AND OVERALL DIMENSION

型号 Model	安装尺寸 Installing dimensions												外形尺寸 External dimensions							重量 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
STC-3	216	178	89	32	80	10	26.8	132	12	-	-	-	34	250	18	400	480	270	34.8	70
STC-5	254	254	108	38	80	12	32.8	160	15	-	-	-	50	310	25	450	580	325	40.8	120
STC-7.5	254	254	108	38	80	12	32.8	160	15	-	-	-	50	310	25	450	580	325	40.8	130
STC-10	279	203	121	42	110	12	36.8	180	15	265	4-M12	230	60	339	25	490	610	365	44.8	140
STC-12	279	203	121	42	110	12	36.8	180	15	265	4-M12	230	60	339	25	490	610	365	44.8	155
STC-15	318	228	133	48	110	14	42.2	200	19	300	4-M16	250	60	378	30	500	660	400	51.2	192
STC-20	318	228	133	48	110	14	42.2	200	19	300	4-M16	250	60	378	30	500	660	400	51.2	202
STC-30	356	286	149	60	140	18	53	225	20	350	4-M16	300	65	421	32	650	770	452	64	257
STC-40	356	286	149	60	140	18	53	225	20	350	4-M16	300	65	421	32	650	770	452	64	290
STC-50	356	311	149	60	140	18	53	225	20	350	4-M16	300	65	421	32	650	810	452	64	344