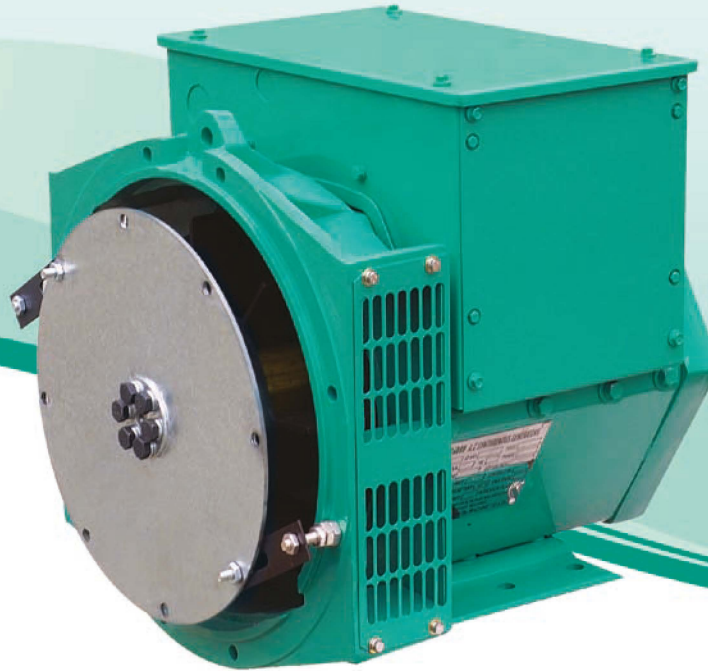




SLG184G Technical Data Sheet

		CONTROL SYSTEM	SELF EXCITED
INSULATION SYSTEM	CLASS H	A.V.R.	AS440
PROTECTION	IP21	VOLTAGE REGULATION	±1.0 %
WINDING PITCH	2/3	SUSTAINED SHORT CIRCUIT	NOT
WINDING LEADS	12	WAVEFORM DISTORTION	NO LOAD < 1.5% NON-DISTORTING BALANCED LINEAR LOAD < 5.0%
MAXIMUM / OVERSPEED	2250 Rev/Min	TELEPHONE INTERFERENCE: THF	THF<2%
		TELEPHONE INTERFERENCE: TIF	TIF<50

50Hz CLASS "H"

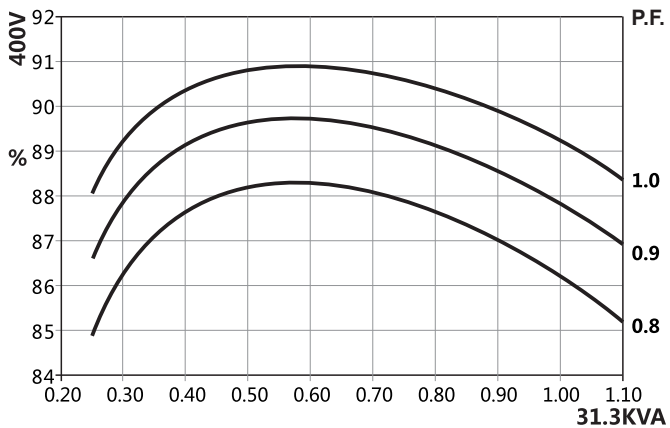
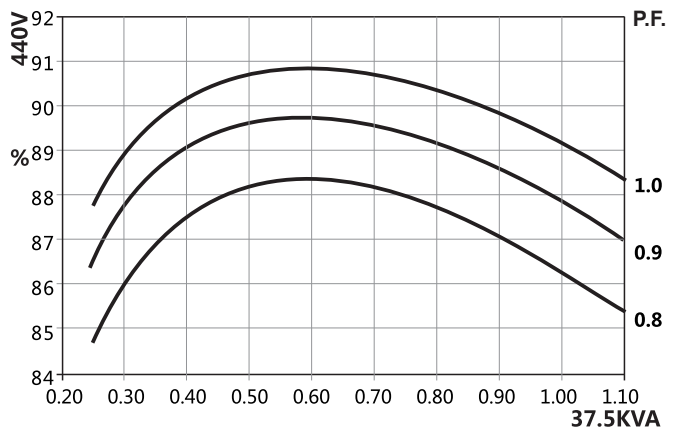
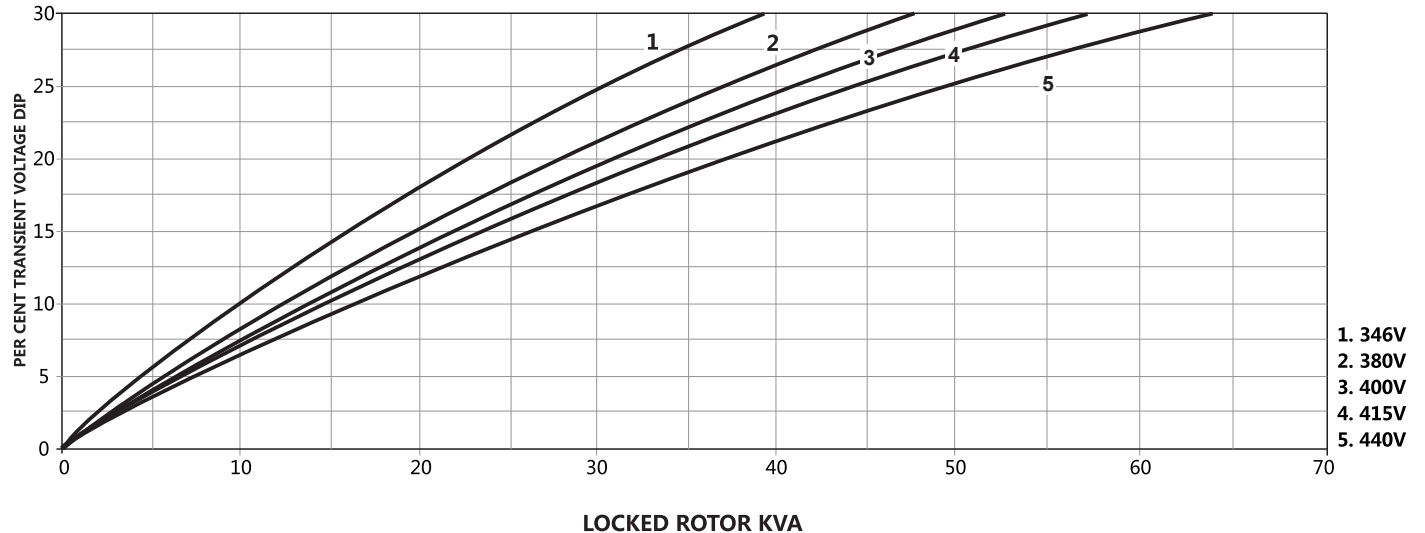
RATINGS		Winding 311 / 0.8 Power Factor												Winding 05	
Duty/Ambient T°. RISE		Cont.125K/40°C				Standby - 150/40°				Cont.125K/40°C			Cont.125K/40°C		
PHASE		3 PHASE								1 PHASE			1 PHASE		
SERIES STAR		380	400	415	440	380	400	415	440				Power Factor		
PARALLEL STAR		190	200	208	220	190	200	208	220				0.8	1	
SERIES DELTA		220	230	240	254	220	230	240	254						
DOUBLE DELTA										220	230	240	220, 230, 240		
SLG184G	KVA	31.3	31.3	31.3	27.5	32.5	32.5	32.5	28.6	18.1	18.1	18.1	21.0	22.8	
	KW	25	25	25	22	26	26	26	22.9	14.5	14.5	14.5	16.8	22.8	

60Hz CLASS "H"

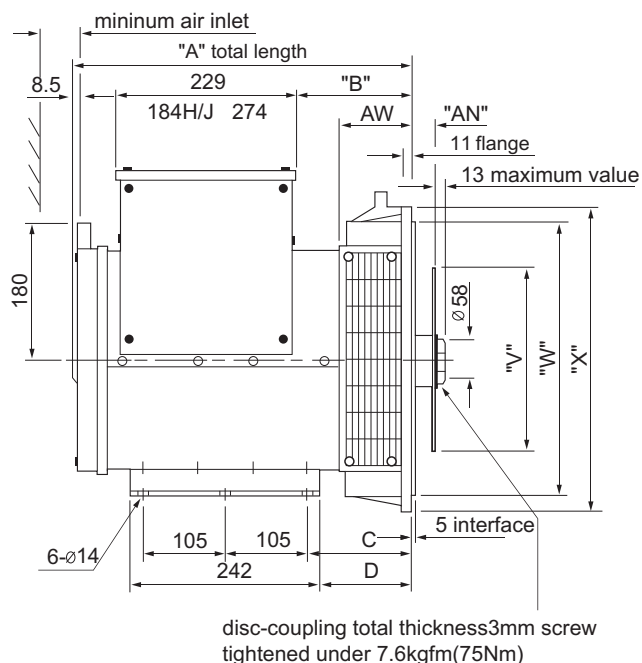
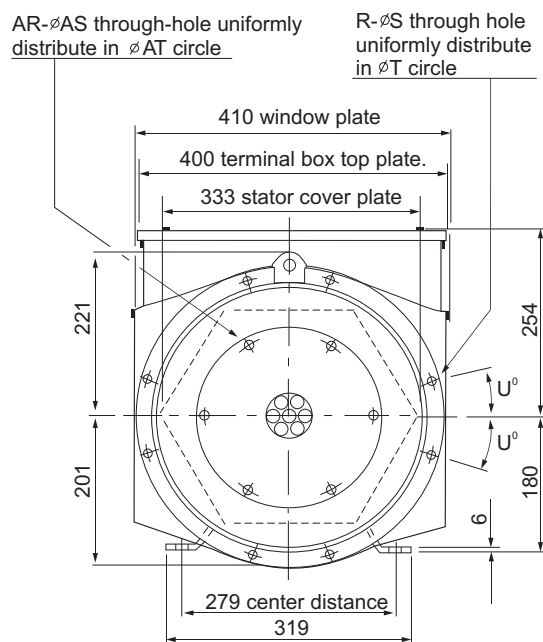
RATINGS		Winding 311 / 0.8 Power Factor												Winding 06	
Duty/Ambient T°. RISE		Cont.125K/40°C				Standby - 150/40°				Cont.125K/40°C			Cont.125K/40°C		
PHASE		3 PHASE								1 PHASE			1 PHASE		
SERIES STAR		416	440	460	480	416	440	460	480				Power Factor		
PARALLEL STAR		208	220	230	240	208	220	230	240				0.8	1	
SERIES DELTA		240	254	266	277	240	254	266	277						
DOUBLE DELTA										220	230	240	220, 230, 240		
SLG184G	KVA	35	37.5	37.5	37.5	36.3	38.8	38.8	38.8	18.7	19.5	20.3	25.0	30.0	
	KW	28	30	30	30	29	31	31	31	15	15.6	16.2	20.0	30.0	

REACTANCES , TIME CONSTANTS (s) : CLASS : H / 400 V

	SLG184G	
	50Hz/400V	60Hz/440V
Xd DIR. AXIS SYNCHRONOUS	1.560	1.857
X'd DIR. AXIS TRANSIENT	0.150	0.190
X''d DIR. AXIS SUBTRANSIENT	0.110	0.119
Xq QUAD. AXIS REACTANCE	0.780	0.916
X''q QUAD. AXIS SUBTRANSIENT	0.170	0.202
XL LEAKAGE REACTANCE	0.063	0.075
X2 NEGATIVE SEQUENCE	0.140	0.179
X0 ZERO SEQUENCE	0.067	0.080
T'd TRANSIENT TIME CONST. (s)	0.024	
T''d SUB-TRANSTIME CONST. (s)	0.006	
T'do O.C. FIELD TIME CONST. (s)	0.55	
Ta ARMATURE TIME CONST. (s)	0.007	
SHORT CIRCUIT RATIO	1/ Xd	

50Hz 400V Winding 311 THREE PHASE EFFICIENCY CURVES

60Hz 440V Winding 311 THREE PHASE EFFICIENCY CURVES

50Hz 400V Winding 311 Locked Rotor Motor Starting Curve


SLG184G Single bearing external dimension



DIMENSION 尺寸 (mm)

S.A.E.NO.	A			B		
	SAE3	SAE4	SAE5	SAE3	SAE4	SAE5
SLG184G	533.5	521.5	553.5	249	237	269

FLANGE 法兰式过渡接套 (mm)

S.A.E.NO.	AW	R	S	T	UO	W	X	C	D
3	105	8**	11	428.6	15	409.5	451	145	129
4	93	8	11	381.0	15	361.9	402	133	117
5	125(105)***	8	11	333.3	22.5	314.3	356	165(145)***	149(129)***
6*	124.7	8	11	285.8	22.5	266.7	308	164.7	148.7

NOTE:* "A" dimension should extend 311.77mm corresponding to an additional spacer plate added on SAE6

** 8 holes of SAE3 uniformly distribute on the circle spaced as 12.

*** The AW dimension of 184E should be 105, C dimension is 145, D dimension is 129.

DISC COUPLING 盘片式联轴器 (mm)

S.A.E.NO.	AN	AR	AS	AT	V
6.5 ^Δ	30.16	6	8.7	200.0	215.8
7.5 ^Δ	30.16	8	8.7	222.2	241.2
8	61.9	6	11	244.5	263.4
10	53.98	8	11	295.3	314.2
11.5	39.68	8	11	333.4	352.3

SAE NO SELECTOR CHOWT 驱动片和过渡法兰配套表

	SAE 6.5	SAE 7.5	SAE 8	SAE 10	SAE 11.5
SAE 3	•	•		•	•
SAE 4		•	•	•	
SAE 5	•	•			
SAE 6	•				

TRANSPORTATION DATA 运输数据

型号 Model	N.W(kg)	G.W(kg)	LXWXH(cm)	QTY FOR 20FT CONTAINER
SLG184G	156	172	71.5x56x62	90

Technical drawings of the SAE2, 3&5 transition joint, showing front, shaft, and side views with dimensions.

Front View Dimensions:

- 410 terminal box top plate.
- 400 window plate
- 333 stator cover plate
- 279 center distance
- 319
- 254
- 180
- Model
- 221
- R- ϕ S through hole uniformly distribute in ϕ T circle

Shaft View Dimensions:

- 37.0
- 36.8
- $\phi 42.018$
- $\phi 42.002$
- 8
- 11.94
- 14.98
- shaft proportion 2:1
- 49.0
- 48.8
- 10
- 15.939
- 15.982
- $\phi 55.030$
- $\phi 55.011$
- Shaft extension
- Shaft proportion 2:1

Side View Dimensions:

- minimum air inlet
- "A" total length
- 8.5
- 229
- "B"
- 90
- 123
- C
- 6 interface
- 12 flange
- 180
- E shaft
- V
- W
- X
- F keyway
- D
- G
- 105
- 105
- 242
- 6- $\phi 14$ DIA

no hole on the cover of the SAE2, 3&5 transition joint. But SAE4 with fan area 202cm² hole.