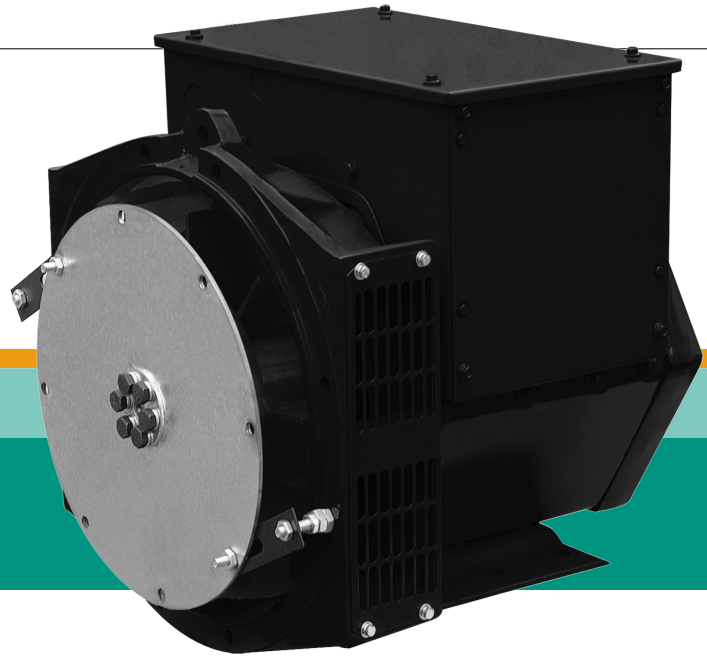


# NEW ERA SLG

SERIES THREE-PHASE BRUSHLESS SYNCHRONOUS ALTERNATOR



## SLG184 TECHNICAL DATA SHEET

### 50Hz CLASS "H"

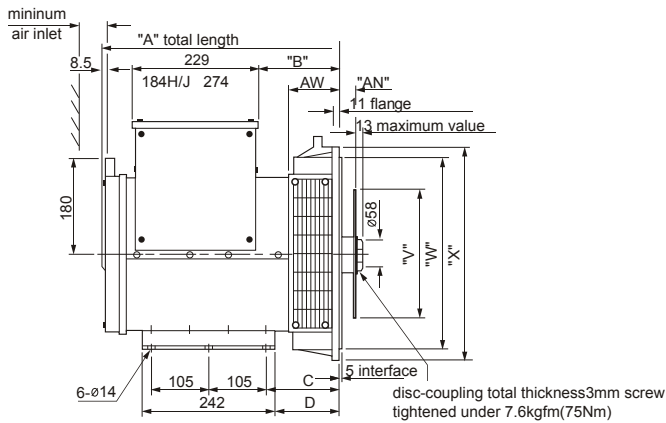
RATINGS	Winding 311 / 0.8 Power Factor												Winding 05					
	Cont./125k/40°C						Cont./125k/40°C						Cont./125k/40°C					
Duty / Temp Rise / Ambient T°																		
PHASE	3 PHASE						1 PHASE						1 PHASE					
SERIES STAR	380	400	415	440									Power Factor					
PARALLEL STAR	190	200	208	220									0.8	1				
SERIES DELTA	220	230	240	254														
DOUBLE DELTA							220	230	240	220,230,240								
	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW		
SLG184E	22.5	18	22.5	18	22.5	18	17.5	14	13	10.4	13	10.4	13	10.4	15	12	16.6	16.6
SLG184F	27.5	22	27.5	22	27.5	22	22.5	18	16	12.8	16	12.8	16	12.8	18.5	14.8	20	20
SLG184G	31.3	25	31.3	25	31.3	25	27.5	22	18.1	14.5	18.1	14.5	18.1	14.5	21	16.8	22.8	22.8
SLG184H	37.5	30	37.5	30	37.5	30	32.5	26	21.7	17.4	21.7	17.4	21.7	17.4	25	20	27	27
SLG184J	40	32	42.5	34	40	32	35	28	23.2	18.6	24.7	19.8	23.2	18.6	28	22.4	30	30

### 60Hz CLASS "H"

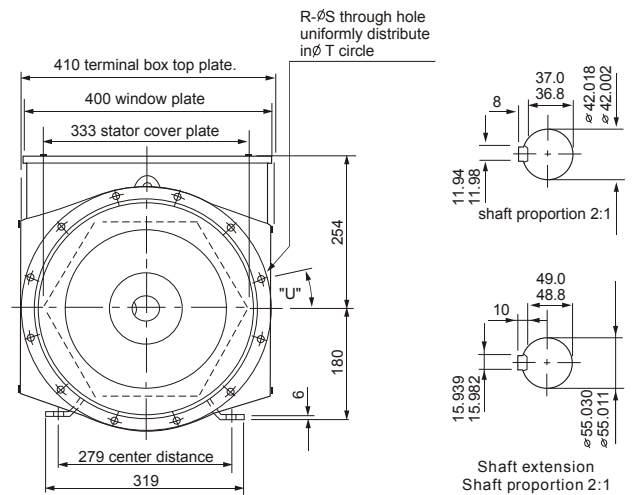
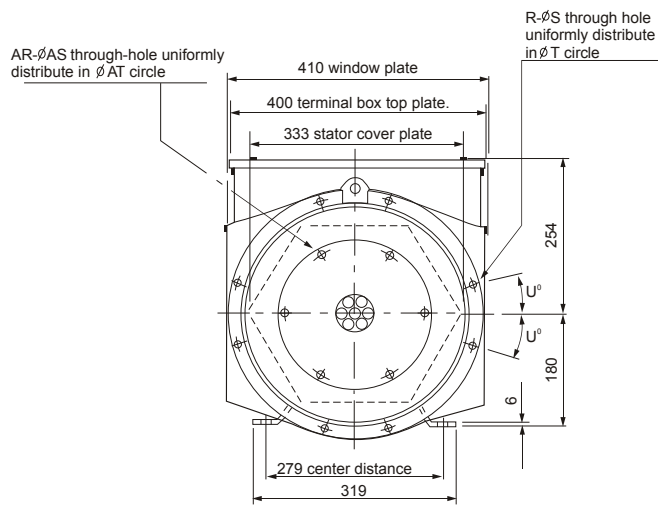
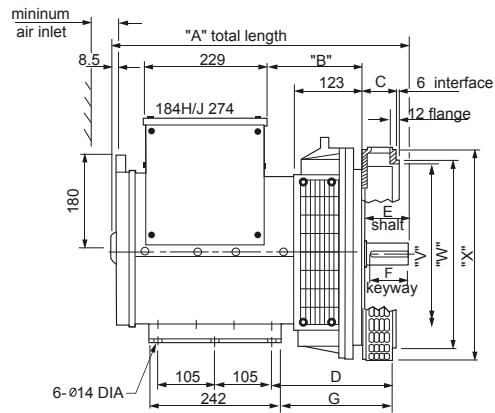
RATINGS	Winding 311 / 0.8 Power Factor												Winding 06					
	Cont./125k/40°C						Cont./125k/40°C						Cont./125k/40°C					
Duty / Temp Rise / Ambient T°																		
PHASE	3 PHASE						1 PHASE						1 PHASE					
SERIES STAR	416	440	460	480									Power Factor					
PARALLEL STAR	208	220	230	240									0.8	1				
SERIES DELTA	240	254	266	277														
DOUBLE DELTA							220	230	240	220,230,240								
	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW	KVA	KW		
SLG184E	27.5	22	28.8	23	28.8	23	30	24	14.6	11.7	15.3	12.2	16	12.8	18.4	14.7	21	21
SLG184F	32.5	26	34.4	27.5	34.4	27.5	35	28	17.2	13.8	18	14.4	18.8	15	21.9	17.5	25.6	25.6
SLG184G	35	28	37.5	30	37.5	30	37.5	30	18.7	15	19.5	15.6	20.3	16.2	25	20	30	30
SLG184H	44.3	35.4	46.9	37.5	46.9	37.5	46.9	37.5	23.6	18.9	24.6	19.7	25.7	20.6	31.3	25	35	35
SLG184J	47.3	37.8	50	40	50	40	50	40	25	20	26.3	21	27.4	21.9	35	28	40	40

**SLG184 External dimension**

**SINGLE BEARING**



**DOUBLE BEARING**



Model	DIMENSION (mm)								SHIPMENT DATA		
	A				B				N.W/G.W (kg)	LXWXH (mm)	
	SAE2	SAE3	SAE4	SAE5	SAE2	SAE3	SAE4	SAE5			
SLG184E	471	443.5	431.5	443.5	186	159	147	159	120	133	565X485X620
SLG184F	561	533.5	521.5	553.5	276	249	237	269	150	156	675X510X620
SLG184G	561	533.5	521.5	553.5	276	249	237	269	156	172	675X510X620
SLG184H	620.5	593.5	581.5	613.5	291	264	252	284	216	226	740X510X620
SLG184J	620.5	593.5	581.5	613.5	291	264	252	284	226	236	740X510X620

Model	DIMENSION (mm)							SHIPMENT DATA		
	A	B	C	D	E	F	G	N.W (kg)	G.W (kg)	LXWXH (mm)
	SLG184E	551.5	177	65	228	82	77			
SLG184F	641.5	267	65	228	82	77	212	154	164	740X510X620
SLG184G	641.5	267	65	228	82	77	212	170	180	740X510X620
SLG184H	734.5	282	105	268	110	100	252	220	230	820X510X620
SLG184J	734.5	282	105	268	110	100	252	230	240	820X510X620

S.A.E.NO.	FLANGE (mm)								
	AW	R	S	T	U°	W	X	C	D
2	132.3	12	11	466.7	15	447.6	489	172	156
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*	136.7	8	11	285.8	22.5	266.7	308	176.7	160.7

S.A.E.NO.	FLANGE (mm)						
	R	S	T	U°	V	W	X
1	12	12.7	530.2	15	500	511.17	553
2	12	11	466.7	15	432	447.6	495
3	12	11	428.6	15	396	409.5	451
4	12	11	381.0	15	352	361.9	403
5	8	11	333.3	22.5	301	314.3	356

NOTE: \* "A" dimension should extend 31.7mm 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.

S.A.E.NO.	DISC COUPLING (mm)				
	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
14 Δ	25.4	8	13.5	438.2	466.5

	SINGLE BEARING SAE NO SELECTOR				
	SAE 6.5	SAE 7.5	SAE 8	SAE 10	SAE 11.5
SAE 3	•	•		•	•
SAE 4	•	•	•		
SAE 5	•	•			
SAE 6	•				

NOTE: Δ SAE14 is applicable for SLG184H/J iron core;  
 SAE6.5&7.5 are not applicable for SLG184H/J iron core.