

V404H Technical Data Sheet

		CONTROL SYSTEM	SELF EXCITED
INSULATION SYSTEM	CLASS H	A.V.R.	AS440
PROTECTION	IP23	VOLTAGE REGULATION	±1.0 %
WINDING PITCH	TWO THIRDS	SUSTAINED SHORT CIRCUIT	NOT
INDING 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					
Duty/Ambiant T° . RISE		Cont.125K/40 °C			Standby - 150/40 °		
PHASE		3 PHASE					
SERIES STAR		380	400	415	380	400	415
PARALLEL STAR		190	200	208	190	200	208
SERIES DELTA		220	230	240	220	230	240
SLG404H	KVA	900	900	900	943.8	943.8	943.8
	KW	720	720	720	755	755	755

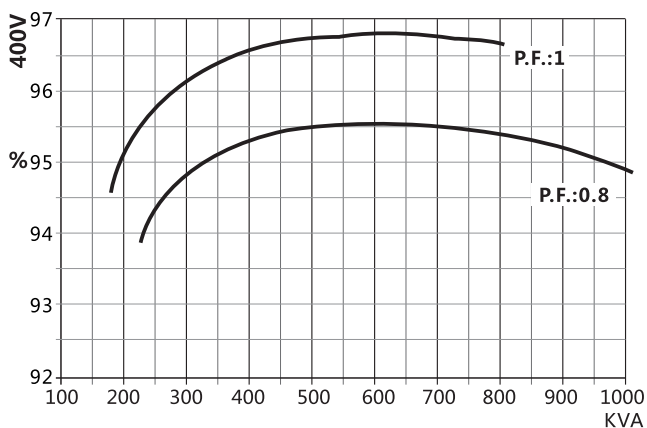
60Hz CLASS "H"

RATINGS		Winding 311 / 0.8 Power Factor							
Duty/Ambiant T° . RISE		Cont.125K/40 °C			Standby - 150/40 °				
PHASE		3 PHASE							
SERIES STAR		416	440	460	480	416	440	460	480
PARALLEL STAR		208	220	230	240	208	220	230	240
SERIES DELTA		240	254	266	277	240	254	266	277
SLG404H	KVA	1000	1000	1000		1050	1050	1050	
	KW	800	800	800		840	840	840	

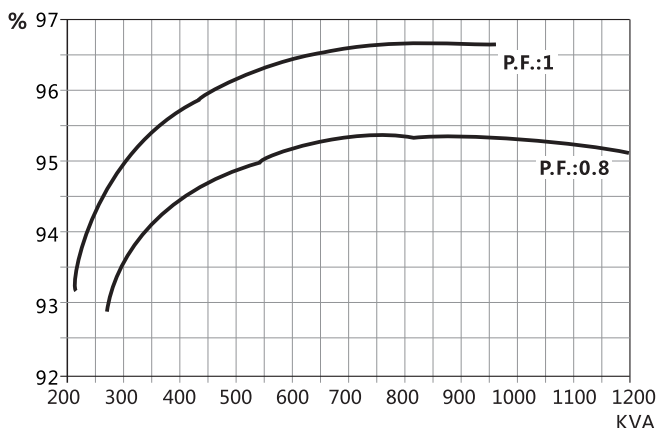
REACTANCES , TIME CONSTANTS (s) : CLASS : H / 400 V

	SLG404H	
	50Hz/400V	60Hz/440V
Xd DIR. AXIS SYNCHRONOUS	2.87	2.99
X'd DIR. AXIS TRANSIENT	0.31	0.323
X''d DIR. AXIS SUBTRANSIENT	0.155	0.162
Xq QUAD. AXIS REACTANCE	1.9	1.98
X''q QUAD. AXIS SUBTRANSIENT	0.291	0.291
XL LEAKAGE REACTANCE		
X2 NEGATIVE SEQUENCE	0.226	0.226
X0 ZERO SEQUENCE	0.025	0.025
T'd TRANSIENT TIME CONST. (s)		0.16
T''d SUB-TRANSTIME CONST. (s)		0.016
T'do O.C. FIELD TIME CONST. (s)		1.5
Ta ARMATURE TIME CONST. (s)		0.024
SHORT CIRCUIT RATIO		1/ Xd

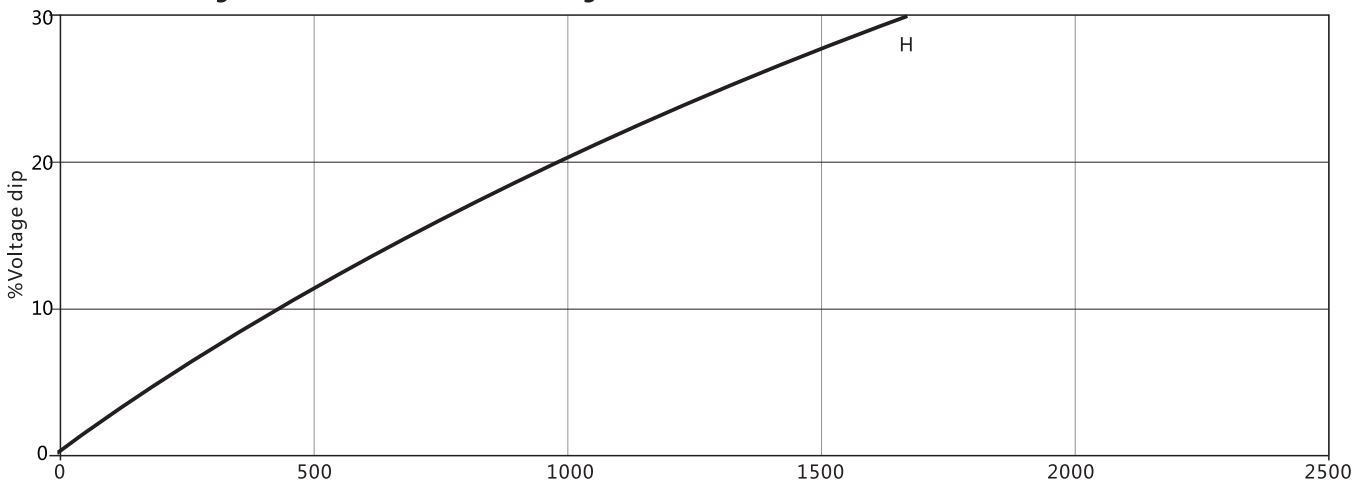
50Hz 400V Winding 311 THREE PHASE EFFICIENCY CURVES



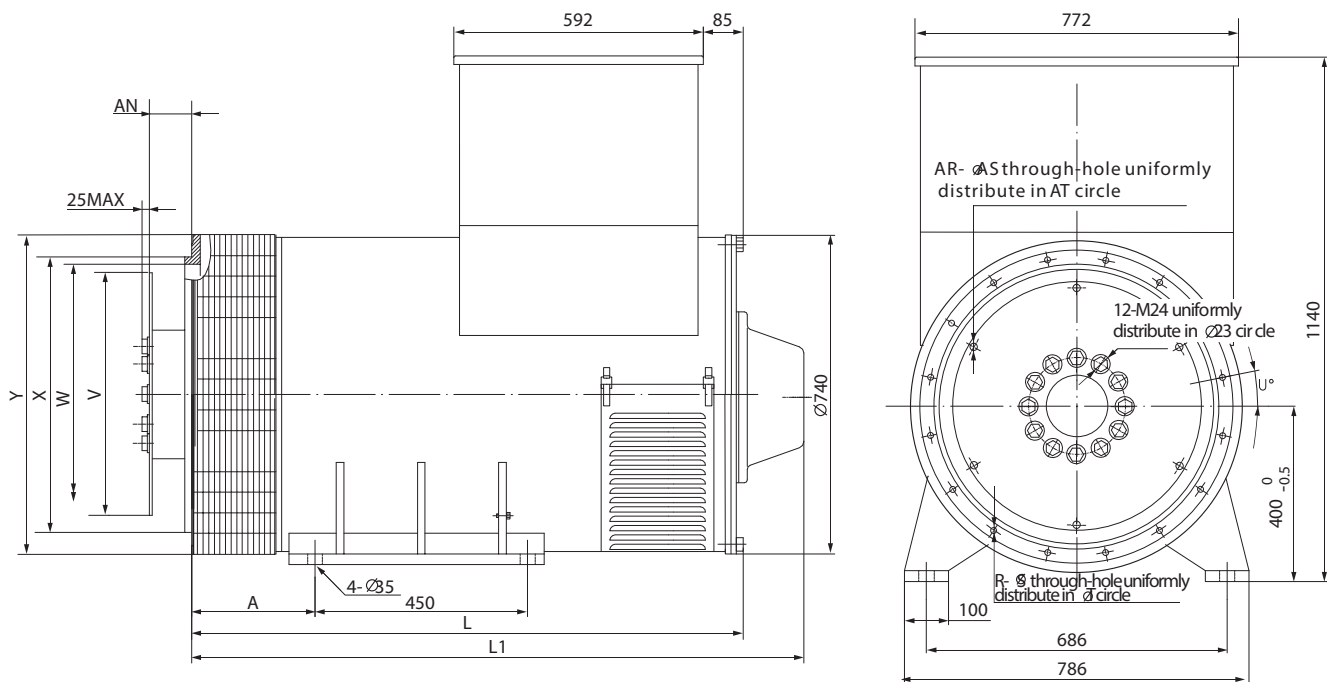
60Hz 440V Winding 311 THREE PHASE EFFICIENCY CURVES



50Hz 400V Winding 311 Locked Rotor Motor Starting Curve



Locked rotor-kVA at 0.6 power factor



DIMENSION (mm)

SAE00	Model	A	L	L1
	404H	477	1535	1700
SAE0&0.5&1	404H	467	1525	1690

FLANGE (mm)

S.A.E.NO.	R	S	T	W	X	Y	U
00	16	14	851.0	750	787.3	882	11.25
0	16	14	679.5	632	647.6	748	11.25
1/2	12	14	619.1	560	584.1	748	15
1	12	12.7	530.2	495	511.1	748	15

DISC COUPLING (mm)

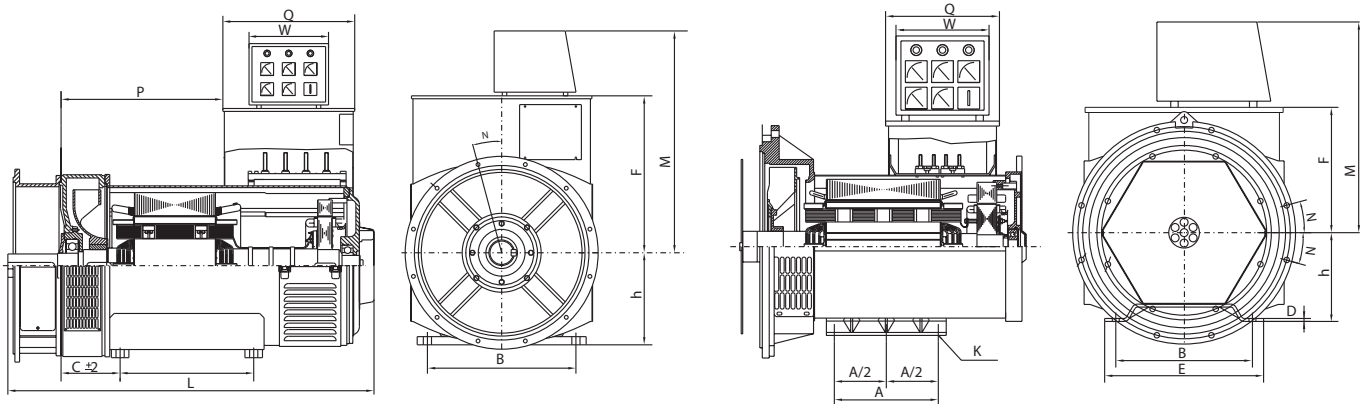
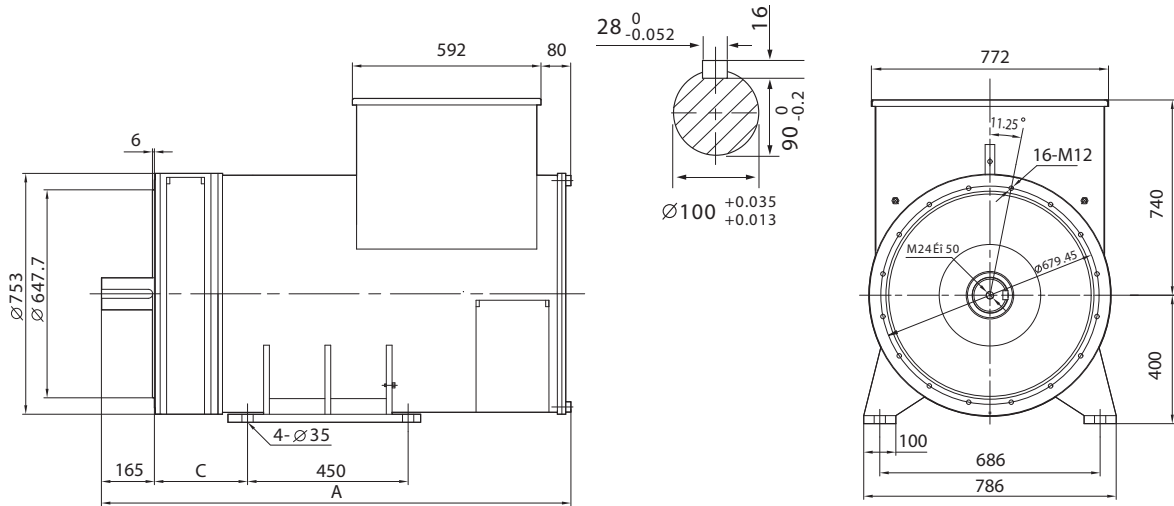
S.A.E.NO.	AN	AR	AS	AT	V
14	25.4	8	13.5	438.2	466.6
18	15.87	6	16.7	543.0	571.4
21	0	12	16.7	641.3	673.0

SAE NO SELECTOR CHOWT

	SAE14	SAE18	SAE21
SAE 00		•	•
SAE 0	•	•	
SAE 0.5	•		
SAE 1	•		

TRANSPORTATION DATA

Model	N.W(kg)	G.W(kg)	LXWXH(cm)	QTY FOR 20FT CONTAINER
404H				



Frame (mm)

Model	C	A	N.W(kg)	G.W(kg)
404H	447	1680	1690	1790

Frame (mm)

Model	A	A/2	D	E	F	h	K	M	N	Q	W	B	P	C	L
404H	450			786	608	400	4-ø35	840	15°	570	350	686			

TRANSPORTATION DATA

Model	N.W(kg)	G.W(kg)	LXWXH(cm)	QTY FOR 20FT CONTAINER
:404H				