



INSULATION CLASS	H
LEADS	12 6 on model SK 250 S only
EXCITATION SYSTEM	Brushless
VOLTAGE REGULATOR TYPE	AVR BL3
VOLTAGE REGULATION ACCURACY [%]	± 1 %
SHORT CIRCUIT CURRENT	> 300 % I <sub>n</sub>
TOTAL HARMONIC CONTENT [%*]	< 2,0 %
TELEPHONE HARMONIC FACTOR [%**]	< 3 %
ELECTROMAGNETIC COMPATIBILITY	EN 5501 EN 5008-1, EN 50082-2
UNDERSPEED PROTECTION	Yes
WINDING PITCH	2/3

[%] With load from 0 to 100%, speed variation from -2 % to + 5 %, power factor 0,8 and balanced load

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### RANGE TECHNICAL INFORMATION

#### 50 HZ

120 KVA - 300 KVA @ 1500 RPM

#### 60 HZ

145 KVA - 360 KVA @ 1800 RPM

BY

# GETEC

**Standards:**  
IEC 34.1, IEC 34.5, IEC 34.22,  
EN 55011, EN 50081-1, EN 50082-2

**Protection degree:**  
Standard is IP20; higher protection degree can be supplied on request.

**Bearings:**  
Bearings are dimensioned for heavy duty

**Transient features:**  
Transient voltage drop for rated step load at 0.8 power factor is less than 18%.

**Single phase operation:**  
The SK250 series can be connected for single phase use.

[%\*\*] Line to line, at no load or at full linear and balanced load.

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		RATINGS										Efficiency			
		S1 40/05 °C cl. F				S1 40/25 °C cl. H				Stand by 27/63°C		S1 40/25 °C 4/4			
		3 ph.		1 ph.	3 ph.		1 ph.	3 ph.		1 ph.	3 ph.				
<b>50 Hz 1500 rpm</b>															
Voltage Y		380	400	415	400	380	400	415	400	380	400	415	400		
Voltage		220	230	240	230	220	230	240	230	220	230	240	230		
Type	Code	kVA				kVA				kVA				cos = 0,8	cos = 1
SK 250 SS	86420120-XS--	110	110	110	66	120	120	120	72	131	131	131	78	91,2	91,5
SK 250 SM	86420132-XS--	121	121	121	73	132	132	132	79	144	144	144	86	91,4	91,7
SK 250 SL	86420150-XS--	137	137	137	82	150	150	150	90	164	164	164	98	91,7	92,0
SK 250 MS	86420175-XS--	160	160	160	96	175	175	175	105	191	191	191	114	92,1	92,4
SK 250 MM	86420200-XS--	183	183	183	110	200	200	200	120	218	218	218	131	92,4	92,6
SK 250 ML	86420230-XS--	211	211	211	126	230	230	230	138	251	251	251	150	92,7	93,0
SK 250SL	86420250-XS--	229	229	229	137	250	250	250	150	273	273	273	164	92,9	93,1
SK 250 LM	86420270-XS--	247	247	247	148	270	270	270	162	294	294	294	177	93,0	93,2
SK 250 LL	86420300-XS--	275	275	275	165	300	300	300	180	327	327	327	196	93,2	93,4
<b>60 Hz 1800 rpm</b>															
Voltage Y		416	440	480	480	416	440	480	480	416	440	480	480	480	
Voltage		240	254	277	277	240	254	277	277	240	254	277	277	277	
Type	Code	kVA				kVA				kVA				cos = 0,8	cos = 1
SK 250 SS	86420120-XS--	125	129	133	80	136	141	145	87	149	153	158	95	91,2	91,5
SK 250 SM	86420132-XS--	136	140	145	87	149	153	158	95	162	167	172	104	91,5	91,8
SK 250 SL	86420150-XS--	155	160	165	99	169	175	180	108	184	190	196	118	91,8	92,1
SK 250 MS	86420175-XS--	181	187	192	115	197	204	210	126	215	222	229	137	92,1	93,4
SK 250 MM	86420200-XS--	207	213	220	132	226	233	240	144	246	254	262	157	92,5	92,8
SK 250 ML	86420230-XS--	237	244	252	151	259	267	275	165	282	291	300	180	92,9	93,1
SK 250SL	86420250-XS--	258	267	275	165	282	291	300	180	307	317	327	196	93,0	93,2
SK 250 LM	86420270-XS--	280	289	298	179	306	315	325	195	333	344	354	213	93,1	93,3
SK 250 LL	86420300-XS--	310	320	330	198	338	349	360	216	369	381	392	235	93,2	93,4

#### OPERATING CONDITIONS

The ratings given in the above table are referred to the following conditions:  
 Ambient temperature 40°C  
 Altitude below 1000 m a.s.l.  
 Power factor 0.8  
 Symmetrical non deforming load  
 Stand-by ratings are based on ambient temperature max 27°C, for continuous supply of loads for any utility power failure; no overloads are allowed.

#### CORRECTION FACTORS

	25 °C	40 °C	45 °C	50 °C	55 °C
Amb. Temp.	1,05	1,0	0,96	0,92	0,88
	1000 M	1500 M	2000 M	2500 M	3000 M
Altitude	1,00	0,96	0,93	0,90	0,86
	1,0	0,8	0,7	0,6	0,5
Power Factor	1,00	1,00	0,93	0,88	0,84



SK250-02