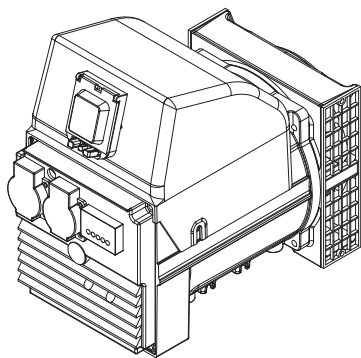
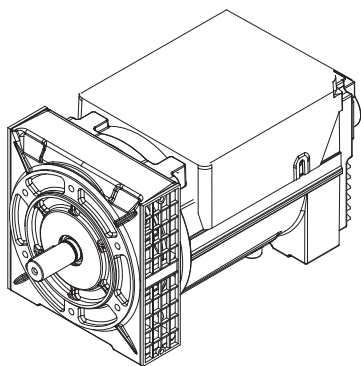
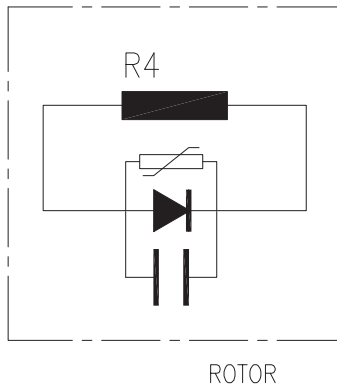
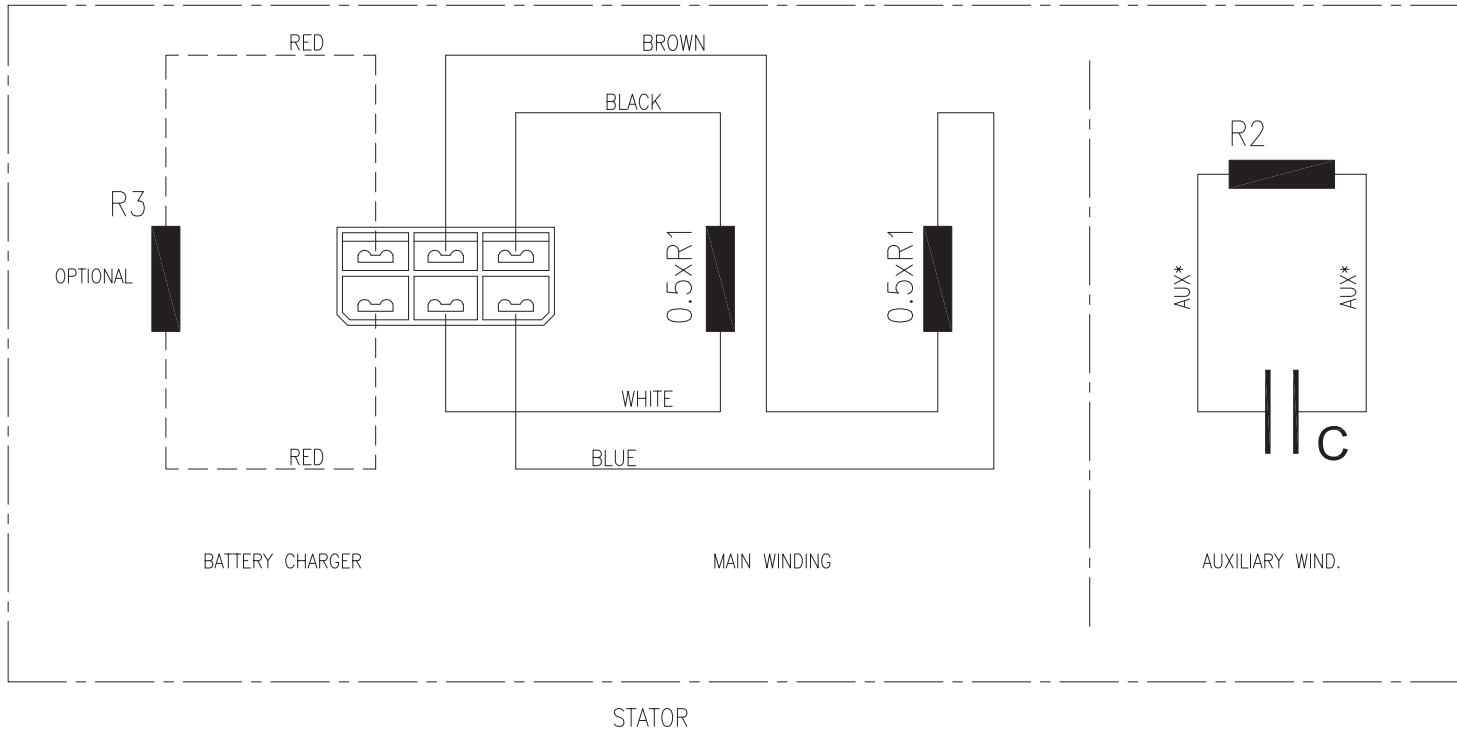


GETEC

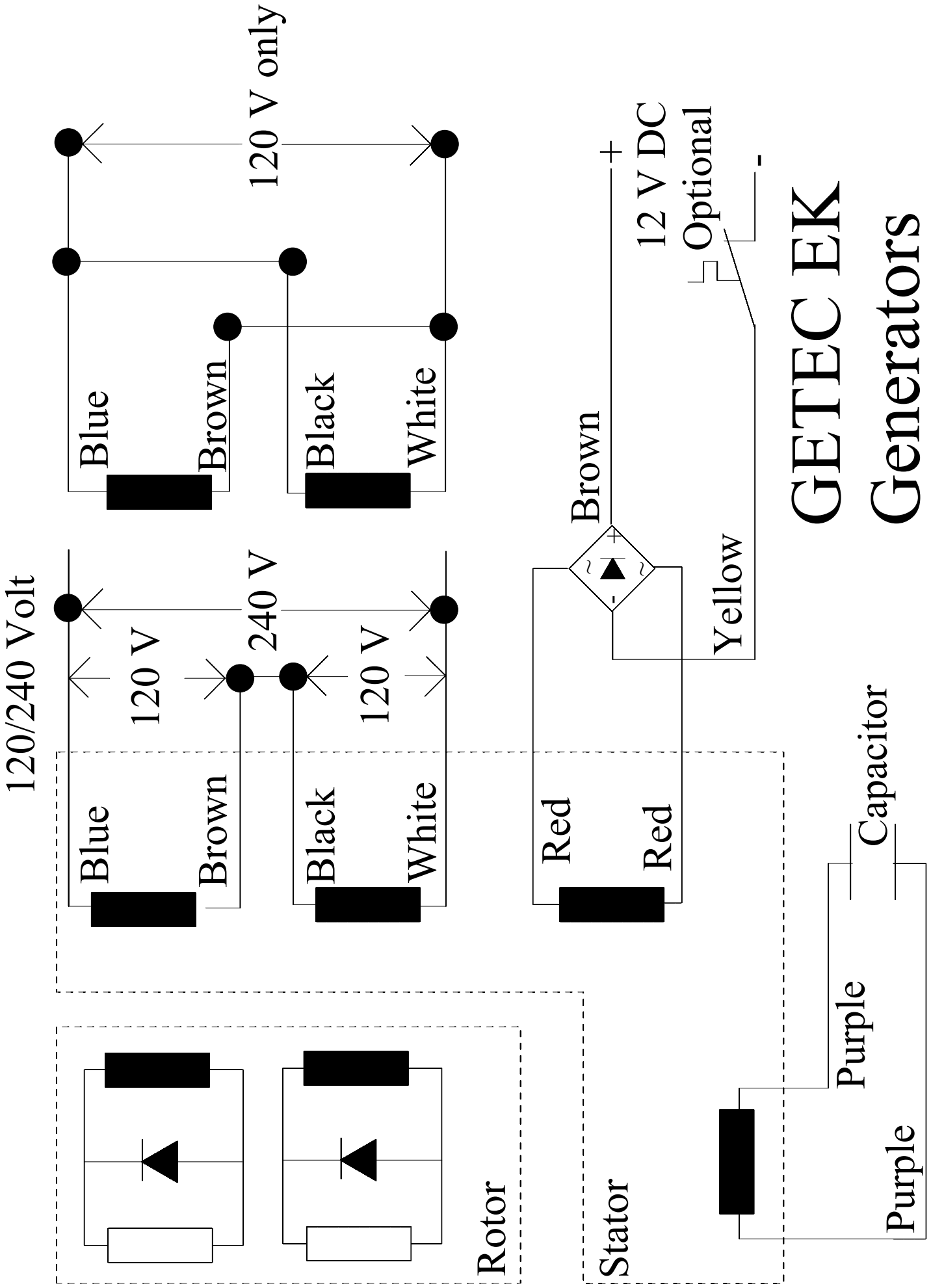
ER Manual



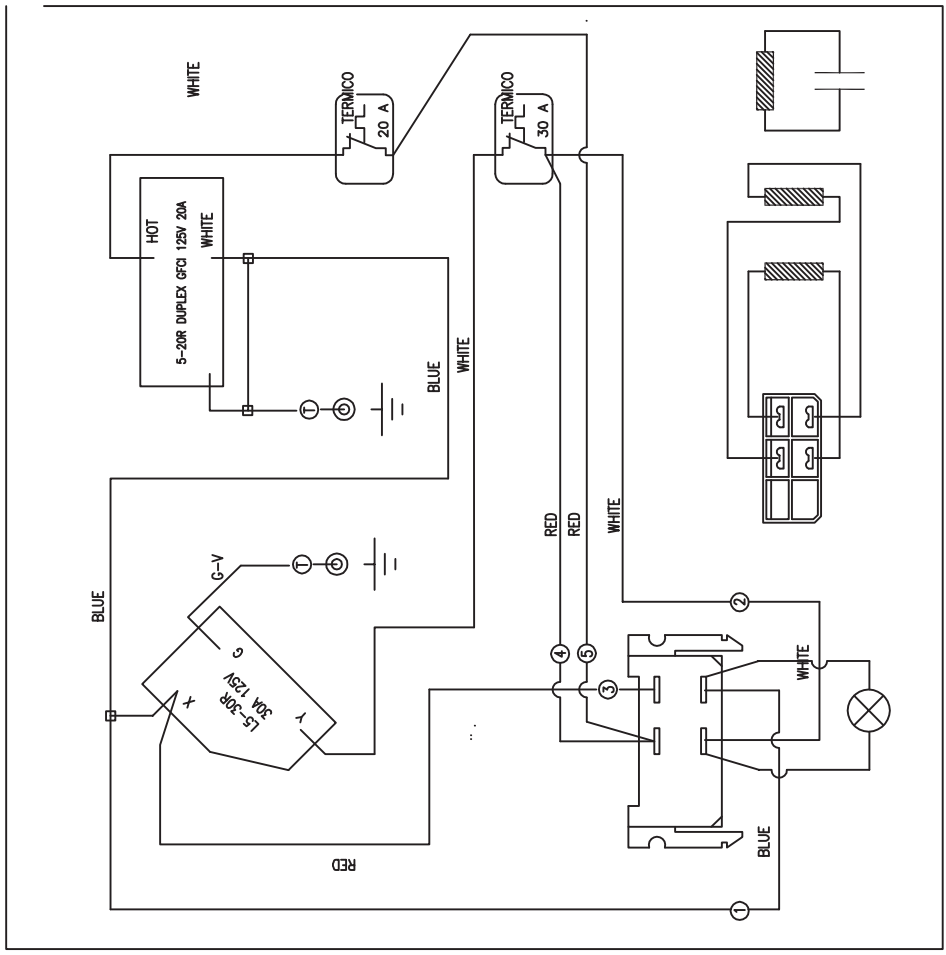
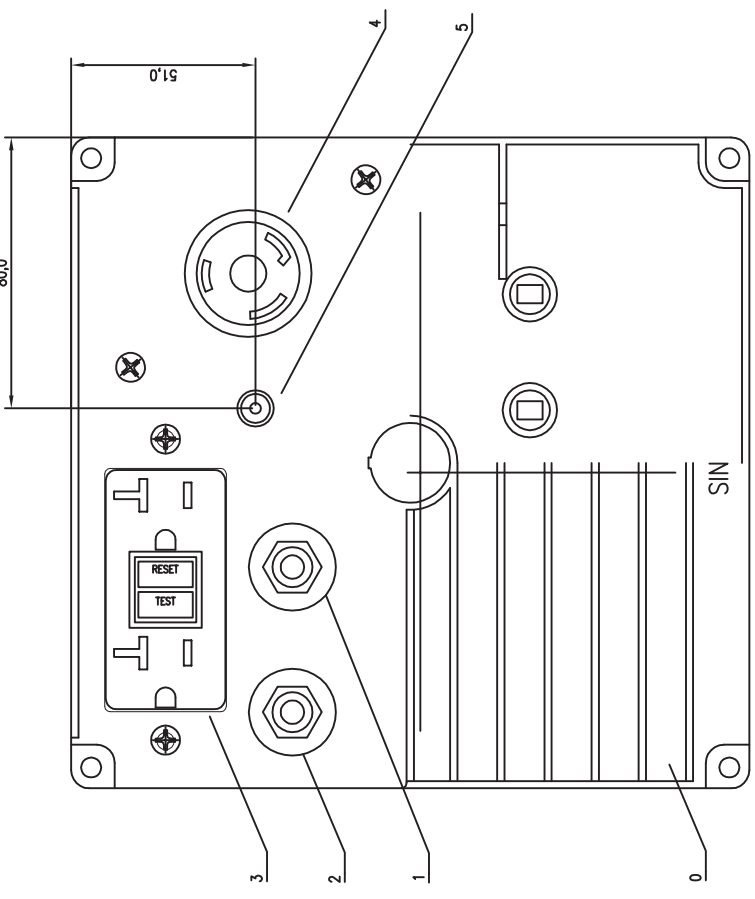
CE



This Generator is designed to be operated at 3600 RPM.
 Exceeding 3720 RPM can damage this Generator and is not covered under Warranty.
 Lower Speeds than 3600 RPM can also damage this Generator.
 Low Speed will affect the Generator performance (Reduced Power)
 Speed and Capacitor Value will affect Voltage of Generator.
 Increasing the Value of the Capacitor (mf) will increase the Voltage.
 Decreasing the Capacitor Value will decrease the Voltage.



GETEC EK Generators

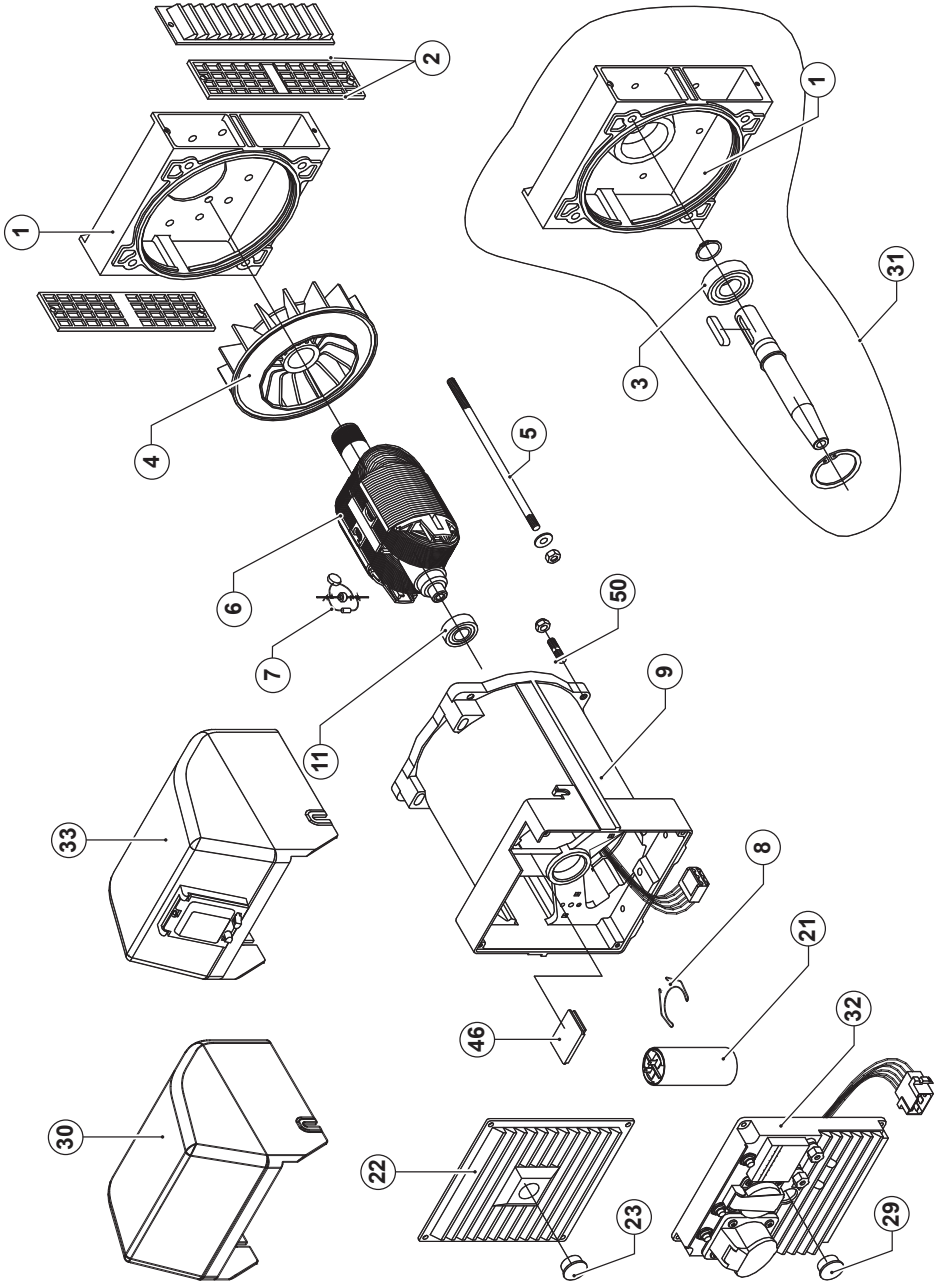


MATERIAL		FINISH	
SCALE		DRAWN FACCI	
CHECKED AND APPROVED		CLIENTE / CUSTOMER	
PART NAME		PART NUMBER	
<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		REV. 00	



160373

EXPLODED VIEW



SPARE PARTS LIST

REF.	CODE	OLD CODE	DESCRIPTION
1 (*)	107689	4061011023	<i>Front shield IMB35 J609A</i>
	107691	4061011031	<i>Front shield IMB35 J609B</i>
	107725	4061011291	<i>Front shield IMB35 c.23</i>
	107682	4061011011	<i>Front shield IMB34 (B3/B14)</i>
2 (*)	106212	266062001	<i>IP21 front grid</i>
	106149	266042001	<i>IP23 front grid</i>
3	105453	1750016205	<i>Bearing type 6205 2RS C3</i>
4	106318	266083001	<i>Fan (with hole diam.30)</i>
5 (*)	105-	17600--	<i>Shaft stay bolt</i>
6 (*)	\	\	<i>ER rotor (Coupling ?) (1)</i>
7	111911	79060	<i>Diode+Varistor+EMC Capacitor</i>
8 (*)	105653	17900540	<i>Capacitor block spring (d.35-40)</i>
	105654	179005401	<i>Capacitor block spring (d.45-50)</i>
9 (*)	\	\	<i>Housing + Stator</i>
11	105449	1750016004	<i>Bearing type 6004 2RS C3</i>
21 (*)	1064-	3001000--	<i>Capacitor -- μF 450V</i>
22	106061	266022004	<i>IP23 end cover</i>
23	106223	266064008	<i>Tap for IP23 end cover</i>
29	106222	266064007	<i>Tap for EK end cover</i>
30	106108	266024008	<i>ER black top cover</i>
31	106383	300005	<i>KIT from IMB35 J609B to IMB34 (B3/B14)</i>
32 (*)	106159	266061004	<i>Blind EK end cover</i>
	\	7022--	<i>Single-phase panel</i>
33 (*)	\	7065--	<i>Single-phase top panel</i>
	46	106150	266044003
50	105533	176006030	<i>Stay bolt M8x32</i>
			<i>(1) 4+7+11 items are included</i>

Troubleshooting

DEFECT	CAUSE	REMEDY
The alternator does not excite.	<ol style="list-style-type: none"> 1) Demagnetized machine. 2) Reduced speed. 3) Faulty rotating diodes. 4) Faulty capacitor. 5) Failure in the windings. 	<ol style="list-style-type: none"> 1) Apply to the terminal a DC voltage between 6÷12V for 1 second. 2) Check the speed and bring it to the rated value. 3) Check and replace. 4) Check and replace. 5) Check the windings resistances as per the table.
Low no-load voltage	<ol style="list-style-type: none"> 1) Reduced speed. 2) Faulty rotating diodes. 3) Wrong capacitor value. 4) Faulty windings. 	<ol style="list-style-type: none"> 1) Check the speed and regulate. 2) Check and replace. 3) Check and replace. 4) Check the resistance as per the table.
Too high no-load voltage	<ol style="list-style-type: none"> 1) Excessive engine speed. 2) Wrong capacitor value. 	<ol style="list-style-type: none"> 1) Regulate the engine speed. 2) Check and replace.
Correct no-load voltage and too low full-load voltage.	<ol style="list-style-type: none"> 1) Probable overload. 2) The engine speed slows down. 3) Faulty diodes. 	<ol style="list-style-type: none"> 1) Check the load current. 2) Check engine dimensions. 3) Check and replace.
Unstable voltage.	<ol style="list-style-type: none"> 1) Loose connections. 2) Irregular rotation. 	<ol style="list-style-type: none"> 1) Check the connections. 2) Verify the rotation uniformity.
Machine overheating.	<ol style="list-style-type: none"> 1) Partially obstructed ventilation openings. 2) Probable overload. 	<ol style="list-style-type: none"> 1) Remove and clean the air inlet and outlet grids. 2) Check the load current.
Noisy machine.	<ol style="list-style-type: none"> 1) Faulty bearings. 2) Faulty coupling. 	<ol style="list-style-type: none"> 1) Check and replace. 2) Verify and repair.