GKM Series

GeKaMac®

Gas Shielded
ARC Welding Machines

Model :

- GKM 240
- GKM 250
- GKM 350-G
- GKM 350-2G
- GKM 420-G
- GKM 420-2G
- GKM 420-W
- GKM 420-2W
- GKM 500-2W
- GKM 500-2G
- GKM 600-2W

Please Read and Understand This Manual
Before Operating The Welding Machine

www.gedikwelding.com

Attention!

Our Valued Customer,

We kindly request that you obey the warnings mentioned below:

- Definitely have the "Warranty Document" approved when you get the machine.
- Use the machine in a way that is in accordance with the fundamentals that are mentioned in the user's guide of the machine.
- Refer to the nearest GEDIK WELDING authorized service or the service center of GEDIK WELDING when a problem comes up.

Thank you for prefering one of GeKaMac® products.

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2. SAFETY RULES

Protect yourself and others against possible serious injury or death risks. Keep children away. People who have pacemakers in their bodies should consult their doctors before operating the welding machine. Be careful when you are doing operations with your hands on the pieces. Use proper equipment that are necessarry to protect yourself from burns that can be caused by excessive heating of the piece during welding and / or cutting operation. Be sure that all set up, maintenance and repair related operations are performed only by qualified people.

2.1. ELECTRICAL SHOCK

The piece that is being worked on or ground circuits are active in terms of electricity while the welding machine is on. Don't touch these active parts with bare hands or wet clothing. Wear dry gloves that have no holes to insulate your hands.

2.2. ARC RAYS

Use a protective mask with a proper filter to protect your eyes from the sparks and the rays of the arc while welding or watching such an actitivity. The head mask and the filtered glasses must meet the ANSI Z87.I standards.

2.3. GASES AND FUMES

Fumes and gases that are harmful to health can form during the welding operation. Do not inhale these gases or fumes. Keep your head out of the fumes while welding. Provide sufficient ventilation in the arc and / or use fume suction machines to keep fumes and gases out of the breathing area.

2.4. WELDING SPARKS

Put away elements that are fire hazards from the welding area. If this is not possible, cover these hazards to prevent welding sparks from starting a fire. Do not forget that welding sparks and hot materials coming from welding can go on to neighboring areas easily through small cracks and openings. Don't do welding near hydrolic lines. Always keep a fire extinguisher on hand.

2.5. ELECTRIC AND MAGNETISM

Electric flow that passes through a conductor causes Electric and Magnetic Fields (EMF) to be formed. Welding current creates EMF around welding cables and welding machines.

— EMF can ruin the operation of some pacemakers. For this reason, welders who have pacamakers in their bodies should consult their doctors before welding.

— Being exposed to EMF during welding, can cause other unknown health problems.

— Getting exposed to EMF will be minimized by paying attention to the following instructions:

- Guide earthing and chassis cables together.
- Never wrap electrode and chassis cables around your body.
- Do not place your body between the electrode and chassis cables.
- Connect the chassis cable as close to the piece that is being worked on as possible.
- Stay as far away as you can from the power units.

3. ELECTROMAGNETIC COMPATIBILITY (EMC)

This machine has been designed in accordance with all related regulations and norms. Additionally, it can still generate electromagnetic forces that affect other systems such as communications (telephone, radio, television). These affects can cause security problems in the exposed systems. Read carefully and understand this section in order to reduce or get rid of the affects that can be created by this machine.
This machine has been designed to be operated in the industry area. If it is operated in private places (house etc.), it will become necessary to take special precautionary measures in order to prevent possible electromagnetic affects. It is necessary for the user to set up and operate these machines just like the way it is described in the handbook. If an electromagnetic affect is perceived due to the operation of these machines, the user should take corrective measures in order to get rid of these affects. If necessary, the user should contact GEDIK WELDING IND. COM. LTD. CO. No changes should be made in the machine without getting written approval from GEDIK WELDING IND. COM. LTD. CO.

The control of the work area should be made in terms of tools that can work improperly due to the electromagnetic affects before the machine is assembled.

- Inlet and outlet cables, telephone cables and control cables that are found in the work area of the machine.
- Radio and/or television transmitters and receivers,
- Computer or computer controlled tools,
- Safety and control equipment for industrial operations,
- Calibration and measurement appliances,
- Medical appliances such as heart rhtyme appliance and hearing aids,

Control the electromagnetic immunity of the equipments that operate near the work area. The user should be certain that all the equipments that are in the work place are compatible. Otherwise, it can necessitate additional protective measures.

Ideal dimensions of the work place are determined by the construction of the area and other factors that are found there. Take the warnings below into consideration in order to decrease the affects of the electromagnetic waves that the machine generates:

* Make the connection of the machine with the network electricity in the way it is stated in the user's guide. If an electromagnetic interaction comes into being, such preventive measures as filtring the main electrical inlet may need to be taken.

* Outlet cables should be as short as possible and should be kept together.

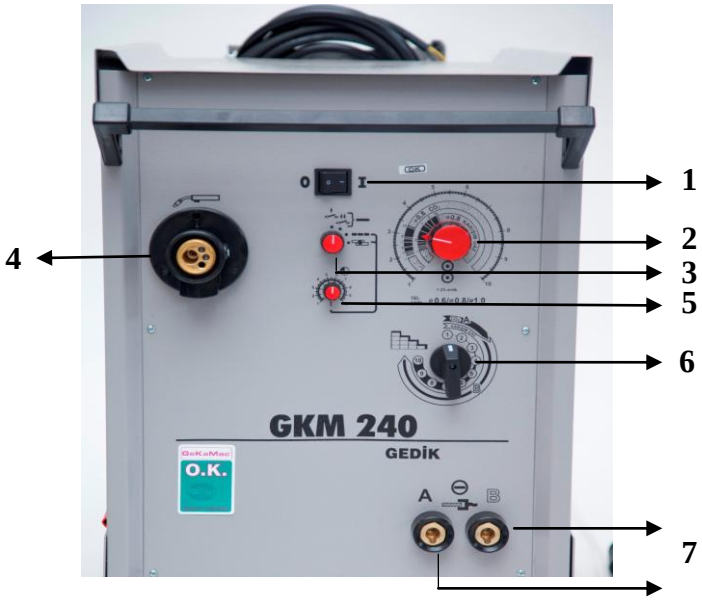
4. GENERAL INFORMATION AND WARNINGS

Do not set up, operate or repair before reading the user's guide and the security measures that are found in it. Hide this user's guide and always have it on hand.

- Cut off the electrical connection between the welding machine and the network when the work is finished or when you are going to take a long break.
- Do not make any changes in the welding machine. This operation can cause the machine to lose its properties and a change in technical data.
- It is forbidden to do adaptation on the welding machine. Doing adaptation does not only cause the loss of warranty rights, but also can jeopardize the operational safety of the machine and can create the risk of electrocution for the users.
- A damage in the welding machine due to a mistake of the user will cause the loss of warranty rights.
- Acceptable environmental temperature range during work is between -10 °C and +40 °C.
- Manufacturing company reserves the right to change the technical properties without prior notice.

5. CONTROL PANELS

5.1. GKM 240 CONTROL PANEL



1. On/Off Switch (Açma Kapama Anahtarı)

2. Wire Speed Adjustment (Tel Hız Ayar Düğmesi)

3. Trigger Modes Selection (Tetik Modu Seçimi)

4. Torch Connection Euro (Torç Konnektörü Euro)

5. Time Selection for Trigger Modes (Tetik Mod Zaman Seçimi)

6. Voltage Steps Adj. Switch (Gerilim Ayar Şalteri)

7. Choke Coil Outputs (Şok Bobin Çıkışları (Şase Bağlantıları))

5.2. GKM 250 CONTROL PANEL

1. Trigger Modes Selection (Tetik Modu Seçimi)

2. Wire Speed Adjustment (Tel Hız Ayar Düğmesi)

3. Time Selection for Trigger Modes (Tetik Mod Zaman Seçimi)

4. On/Off Switch (Açma Kapama Anahtarı)

5. Voltage Steps Adj. Switch (Gerilim Ayar Şalteri)

6. Torch Connection Euro (Torç Konnektörü Euro)

7. Choke Coil Outputs (Şok Bobin Çıkışları, Şase Bağlantıları)

5.3. GKM 350-G, GKM 420-G, GKM 420-W CONTROL PANEL

1. Digital Display for Voltmeter (Voltmetre Dijital Ekranı)

2. Digital Display for Ampermeter (Ampermetre Dijital Ekranı)

3. Voltage Steps Adj. Switch (Gerilim Ayar Şalteri)

4. On/Off Switch (Açma Kapama Anahtarı)

5. Trigger Modes Selection (Tetik Modu Seçimi)

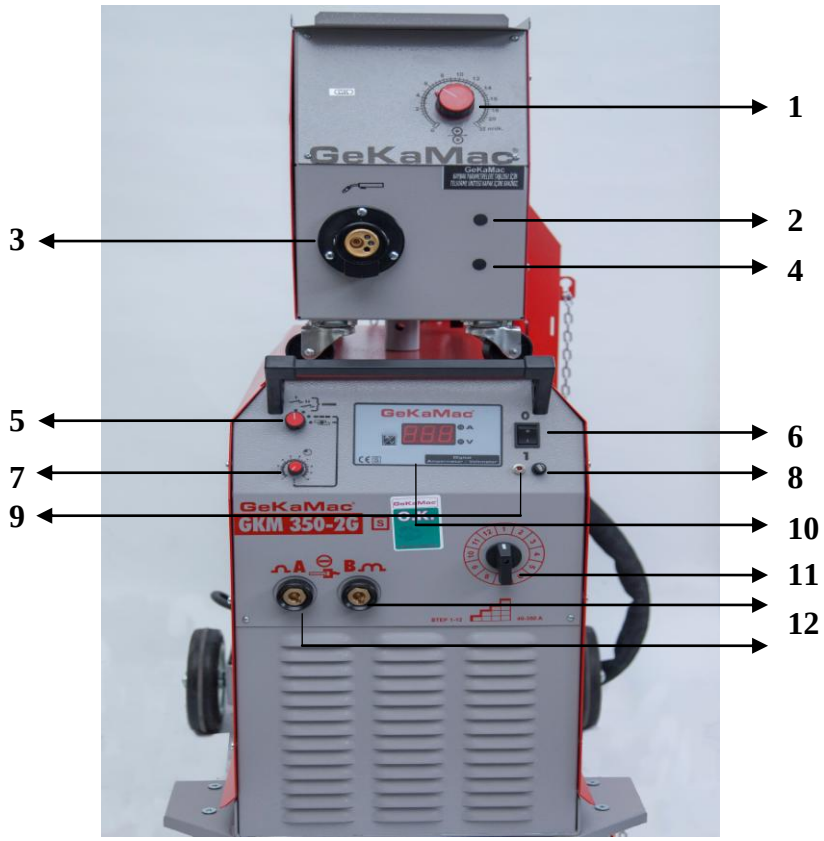
6. Wire Speed Adjustment (Tel Hız Ayar Düğmesi)

7. Time Selection for Trigger Modes (Tetik Mod Zaman Seçimi)

8. Torch Connection Euro (Torç Konnektörü Euro)

9. Choke Coil Outputs (Şok Bobin Çıkışları (Şase Bağlantıları))

5.4. GKM 350-2G, GKM 420-2G, GKM 420-2W CONTROL PANEL



1. Wire Speed Adjustment (Tel Hız Ayar Düğmesi)
2. Hot Water Input (Sıcak Su Girişi)
3. Torch Connection Euro (Torç Konnektörü Euro)
4. Cold Water Output (Soğuk Su Çıkışı)
5. Trigger Modes Selection (Tetik Modu Seçimi)
6. On/Off Switch (Açma Kapama Anahtarı)
7. Time Selection for Trigger Modes (Tetik Mod Zaman Seçimi)
8. Wire Feeding Motor Fuse 10A (Tel Sürme Motoru Sigortası 10A)
9. Fuse Error Indicator LED (Sigorta Uyarı Işığı)
10. Digital Display for Ampermeter / Voltmeter (Ampermetre / Voltmetre Dijital Ekranı)
11. Voltage Steps Adj. Switch (Gerilim Ayar Şalteri)
12. Choke Coil Outputs (Şok Bobin Çıkışları (Şase Bağlantıları))

5.5. GKM 500-2G, GKM 500-2W, GKM 600-2W CONTROL PANEL

1. Wire Speed Adjustment (Tel Hız Ayar Düğmesi)
2. Hot Water Input (Sıcak Su Girişi)
3. Cold Water Output (Soğuk Su Çıkışı)
4. Torch Connection Euro (Torç Konnektörü Euro)
5. On/Off Switch (Açma Kapama Anahtarı)
6. Wire Feeding Motor Fuse 10A (Tel Sürme Motoru Sigortası 10A)
7. Fuse Error Indicator LED (Sigorta Uyarı Işığı)
8. Trigger Modes Selection (Tetik Modu Seçimi)
9. Time Selection for Trigger Modes (Tetik Mod Zaman Seçimi)
10. Digital Display for Ampermeter / Voltmeter
    (Ampermetre / Voltmetre Dijital Ekranı)
11. Voltage Steps Adj. Switch (Sensitive)
    (Gerilim Ayar Şalteri – Hassas-)
12. Voltage Steps Adj. Switch (Rough)
    (Gerilim Ayar Şalteri – Kaba-)
13. Choke Coil Outputs (Şok Bobin Çıkışları (Şase Bağlantıları))

6. LABEL INFORMATION

GeKaMac	GEDİK KAYNAK SAN. VE TİC. A.Ş.			
	Ankara Cad. No:306 Şeyhli İstanbul/TURKEY			
www.gedikwelding.com	MADE IN TURKEY			
GKM 240	S.N.: XXXXXXXX-24G-YYY			
3~	TS EN 60974-1/-10			
	30 A / 21 V - 240 A / 30 V			
	X	35%	60%	100%
	I_2	240 A	180 A	140 A
S	U_2	26,5 V	23,0 V	21,0 V
U_0= 32 V	I_1	13,0 A	8,5 A	6,0 A
	S_1	8,0 kVA	4,8 kVA	3,5 kVA
IP23	U_1= 380 V	I_{max}= 13 A		$I_{1\,Efektif}$ = 10,5 A
3 ~ 50-60 Hz		0-23 m/min		Cosφ= 0,95
TSE	8691852009320	CE		

GeKaMac	GEDİK KAYNAK SAN. VE TİC. A.Ş.			
	Ankara Cad. No:306 Şeyhli İstanbul/TURKEY			
www.gedikwelding.com	MADE IN TURKEY			
GKM 250	S.N.: XXXXXXXX-25G-YYY			
3~	TS EN 60974-1/-10			
	30 A / 21 V - 250 A / 30 V			
	X	35%	60%	100%
	I_2	250 A	180 A	140 A
S	U_2	26,5 V	23,0 V	21,0 V
U_0= 30 V	I_1	13,00 A	8,00 A	5,75 A
	S_1	8,1 kVA	4,8 kVA	3,5 kVA
IP23	U_1= 380 V	I_{max}= 13 A		$I_{1\,Efektif}$ = 9,2 A
3 ~ 50-60 Hz		0-22 m/min		Cosφ= 0,95
TSE	8691852009320	CE		

GeKaMac	GEDİK KAYNAK SAN. VE TİC. A.Ş.			
	Ankara Cad. No:306 Şeyhli İstanbul/TURKEY			
www.gedikwelding.com	MADE IN TURKEY			
GKM 350-G	S.N.: XXXXXXXX-35G-YYY			
3~	TS EN 60974-1/-10			
	30 A / 15 V - 350 A / 32 V			
	X	35%	60%	100%
	I_2	350 A	300 A	180 A
S	U_2	30 V	27 V	23 V
U_0= 18-47 V	I_1	24,5 A	18,0 A	13,6 A
	S_1	15,6 kVA	10,5 kVA	6,5 kVA
IP23	U_1= 380 V	I_{max}= 24,5 A		$I_{1\,Efektif}$ = 17 A
3 ~ 50-60 Hz		0-22 m/min		Cosφ= 0,95
TSE	8691852009320	CE		

GeKaMac	GEDİK KAYNAK SAN. VE TİC. A.Ş.			
	Ankara Cad. No:306 Şeyhli İstanbul/TURKEY			
www.gedikwelding.com	MADE IN TURKEY			
GKM 350-2G	S.N.: XXXXXXXX-352G-YYY			
3~	TS EN 60974-1/-10			
	30 A / 16 V - 350 A / 32 V			
	X	35%	60%	100%
	I_2	350 A	270 A	210 A
S	U_2	32,0 V	28,0 V	17,5 V
U_0= 13-45 V	I_1	25,0 A	19,5 A	7,5 A
	S_1	16,0 kVA	11,0 kVA	6,5 kVA
IP23	U_1= 380 V	I_{max}= 25 A		$I_{1\,Efektif}$ = 14,1 A
3 ~ 50-60 Hz		0-22 m/min		Cosφ= 0,95
TSE	8691852009320	CE		

GeKaMac	GEDİK KAYNAK SAN. VE TİC. A.Ş.			
	Ankara Cad. No:306 Şeyhli İstanbul/TURKEY			
www.gedikwelding.com	MADE IN TURKEY			
GKM 420-G	S.N.: XXXXXXXX-42G-YYY			
3~	TS EN 60974-1/-10			
	30 A / 12 V - 420 A / 30 V			
	X	35%	60%	100%
	I_2	420 A	320 A	250 A
S	U_2	30 V	29 V	20 V
U_0= 13-43 V	I_1	30,0 A	25,0 A	11,5 A
	S_1	17,5 kVA	12,0 kVA	7,1 kVA
IP23	U_1= 380 V	I_{max}= 30 A		$I_{1\,Efektif}$ = 18,4 A
3 ~ 50-60 Hz		0-22 m/min		Cosφ= 0,95
TSE	8691852009320	CE		

GeKaMac	GEDİK KAYNAK SAN. VE TİC. A.Ş.			
	Ankara Cad. No:306 Şeyhli İstanbul/TURKEY			
www.gedikwelding.com	MADE IN TURKEY			
GKM 420-2G	S.N.: XXXXXXXX-422G-YYY			
3~	TS EN 60974-1/-10			
	30 A / 12 V - 420 A / 30 V			
	X	35%	60%	100%
	I_2	420 A	320 A	250 A
S	U_2	30 V	29 V	20 V
U_0= 13-43 V	I_1	30,0 A	25,0 A	11,5 A
	S_1	17,5 kVA	12,0 kVA	7,1 kVA
IP23	U_1= 380 V	I_{max}= 30 A		$I_{1\,Efektif}$ = 18,4 A
3 ~ 50-60 Hz		0-22 m/min		Cosφ= 0,95
TSE	8691852009320	CE		

GeKaMac	GEDİK KAYNAK SAN. VE TİC. A.Ş.			
	Ankara Cad. No:306 Şeyhli İstanbul/TURKEY			
www.gedikwelding.com	MADE IN TURKEY			
GKM 420-W	S.N.: XXXXXXXX-42W-YYY			
3~	TS EN 60974-1/-10			
	30 A / 12 V - 420 A / 30 V			
	X	35%	60%	100%
	I_2	420 A	320 A	250 A
S	U_2	30 V	29 V	20 V
U_0= 13-43 V	I_1	31,0 A	25,0 A	11,5 A
	S_1	17,6 kVA	12,1 kVA	7,1 kVA
IP23	U_1= 380 V	I_{max}= 31 A		$I_{1\,Efektif}$ = 18,4 A
3 ~ 50-60 Hz		0-22 m/min		Cosφ= 0,95
TSE	8691852009320	CE		

GeKaMac	GEDİK KAYNAK SAN. VE TİC. A.Ş.			
	Ankara Cad. No:306 Şeyhli İstanbul/TURKEY			
www.gedikwelding.com	MADE IN TURKEY			
GKM 420-2W	S.N.: XXXXXXXX-422W-YYY			
3~	TS EN 60974-1/-10			
	30 A / 12 V - 420 A / 30 V			
	X	35%	60%	100%
	I_2	420 A	320 A	250 A
S	U_2	30 V	29 V	20 V
U_0= 13-43 V	I_1	30,5 A	25,0 A	11,5 A
	S_1	17,6 kVA	12,1 kVA	7,1 kVA
IP23	U_1= 380 V	I_{max}= 30,5 A		$I_{1\,Efektif}$ = 18,4 A
3 ~ 50-60 Hz		0-22 m/min		Cosφ= 0,95
TSE	8691852009320	CE		

GeKaMac	GEDİK KAYNAK SAN. VE TİC. A.Ş.			
	Ankara Cad. No:306 Şeyhli İstanbul/TURKEY			
www.gedikwelding.com	MADE IN TURKEY			
GKM 500-2G	S.N.: XXXXXXXX-502G-YYY			
	TS EN 60974-1/-10			
	40 A / 17 V - 500 A / 38 V			
	X	X%	60%	100%
	I_2		500 A	380 A
U_0= 16-57 V	U_2		38,0 V	26,5 V
	I_1		42,5 A	18,9 A
	S_1		27,5 kVA	14,5 kVA
IP23	U_1= 380 V	I_{max}= 42,5 A	$I_{1\ Efektif}$ = 30 A	
3 ~ 50-60 Hz		0-22 m/min	Cosφ= 0,95	
	8691852009320			

GeKaMac	GEDİK KAYNAK SAN. VE TİC. A.Ş.			
	Ankara Cad. No:306 Şeyhli İstanbul/TURKEY			
www.gedikwelding.com	MADE IN TURKEY			
GKM 500-2W	S.N.: XXXXXXXX-502W-YYY			
	TS EN 60974-1/-10			
	40 A / 16,2 V - 500 A / 41 V			
	X	X%	60%	100%
	I_2		500 A	380 A
U_0= 16-52 V	U_2		41,0 V	27,5 V
	I_1		43,0 A	18,9 A
	S_1		27,6 kVA	14,6 kVA
IP23	U_1= 380 V	I_{max}= 43 A	$I_{1\ Efektif}$ = 30 A	
3 ~ 50-60 Hz		0-22 m/min	Cosφ= 0,95	
	8691852009320			

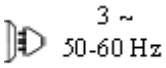
GeKaMac	GEDİK KAYNAK SAN. VE TİC. A.Ş.			
	Ankara Cad. No:306 Şeyhli İstanbul/TURKEY			
www.gedikwelding.com	MADE IN TURKEY			
GKM 600-2W	S.N.: XXXXXXXX-602W-YYY			
	TS EN 60974-1/-10			
	30 A / 15 V - 600 A / 44 V			
	X	35%	60%	100%
	I_2	600 A	520 A	400 A
U_0= 18-60 V	U_2	44,0 V	34,0 V	29,5 V
	I_1	60 A	50 A	33 A
	S_1	33,6 kVA	28,5 kVA	18,5 kVA
IP23	U_1= 380 V	I_{max}= 60 A	$I_{1\ Efektif}$ = 35 A	
3 ~ 50-60 Hz		0-22 m/min	Cosφ= 0,90	
	8691852009320			

Class 2

Wire Feed Wire

Direct Current

Three-Phase Transformer Rectifier



Network Input Three-Phase Alternative Current

Suitable for welding in an environment with increased hazard of electric shock

MIG/MAG Welding

X = Duty Cycle

U_0 = No-Load Voltage

U_1 = Supply Voltage

U_2 = Welding Voltage

I_1 = Input Voltage

I_2 = Welding Voltage

IP21 = Protection Class

S_1 = Input Power

7. TECHNICAL INFORMATION

	Unit	GKM 240	GKM 250	GKM 350-G	GKM 350-2G	GKM 420-G
Main Voltage	V	380	380	380	380	380
Maximum Power	kVA	8,0	8,1	15,6	16,0	17,5
Adjustment Range	A	30 - 240	30 - 250	30 - 350	30 - 350	30 - 420
Power Factor		0,95	0,95	0,95	0,95	0,95
Welding Range (%35)		240	250	350	350	420
Welding Range (%60)		180	180	270	270	320
Welding Range (%100)		140	140	210	210	250
Open Circuit Voltage	V	13 - 32	13 - 32	13 - 35	13 - 35	13 - 43
Isolation Class		H	H	H	H	H
Protection Class		IP 23	IP 23	IP 23	IP 23	IP 23
Standart		EN 60974-1/10 EN 60529	EN 60974-1/10 EN 60529	EN 60974-1/10 EN 60529	EN 60974-1/10 EN 60529	EN 60974-1/10 EN 60529
Dimension	mm (V*W*H)	800/420/670	930/480/900	930/480/900	1075/500/800	1075/500/800
Weight	kg	82	75	125	140	140
Wire Diameter	⌀mm	0,8-1,0	0,8-1,0	0,8-1,0-1,2	0,8-1,0-1,2	0,8-1,0-1,2

	Unit	GKM 420-2G	GKM 420-W	GKM 420-2W
Main Voltage	V	380	380	380
Maximum Power	kVA	17,5	17,6	17,6
Adjustment Range	A	30 - 420	30 - 420	30 - 420
Power Factor		0,95	0,95	0,95
Welding Range (%35)		420	420	420
Welding Range (%60)		320	320	320
Welding Range (%100)		250	250	250
Open Circuit Voltage	V	13-43	13-43	13-43
Isolation Class		H	H	H
Protection Class		IP23	IP23	IP23
Standard		EN 60974-1/10 EN 60529	EN 60974-1/10 EN 60529	EN 60974-1/10 EN 60529
Dimension	mm	1075/500/800	1075/500/800	1075/500/800
Weight	kg	155	165	177
Wire Diameter	⌀mm	0,8-1,0-1,2	0,8-1,0-1,2	0,8-1,0-1,2

	Unit	GKM 500-2W	GKM 500-2G	GKM 600-2W
Main Voltage	V	380	380	380
Maximum Power	kVA	27,6	27,5	33,6
Adjustment Range	A	40 - 500	40 - 500	40 - 600
Power Factor		0,95	0,95	0,90
Welding Range (%35)		X	X	600
Welding Range (%60)		500	500	520
Welding Range (%100)		380	380	400
Open Circuit Voltage	V	16 - 57	16 - 57	18 - 60
Isolation Class		H	H	H
Protection Class		IP23	IP23	IP23
Standard		EN 60974-1/10 EN 60529	EN 60974-1/10 EN 60529	EN 60974-1/10 EN 60529
Dimension	mm	1100/510/1440	1100/510/1440	1100/510/1440
Weight	kg	245	226	280
Wire Diameter	⌀mm	0,8-1,0-1,2 -1,6	0,8-1,0-1,2 -1,6	0,8-1,0-1,2 -1,6

8. MACHINE SET UP INFORMATION

- Read this section carefully before setting up or operating the machine.
- Do not place the machine on a plane that is at more than 15 degrees with the horizontal and do not operate it on such a plane.
- The machine must be operated in an environment where there is a flow of clean air and there must be no factor that inhibits the ventilation or that stops the flow of air. The machine should not be covered with paper, dustcloth or similar objects while working.
- Dust and dirt can enter into the machine. This situation should be minimized as much as possible. Don't work in environments that are extremely dusty and that have water, paint and oil granules and grinding dusts and corrosive gases in their atmosphere.
- This machine has IP 23 class protection. Keep the machine as dry as possible and don't place it on surfaces that are wet or have puddles on them.
- Definitely do not operate the machine under sunlight and at places where there is a possibility of splashing of water.
- Place the machine far from appliances that are radio controlled. The normal operation of the machine can affect the operation of this type of appliances that are nearby in a negative way and in this situation, can cause injury and equipment malfunction. Read the "Electromagnetic Compatibility" section in this user's guide.
- Do not operate the machine at places where the environmental temperature is either below -10°C or above +40°C and humidity is above 70%.
- The opening of the chassis cover and the interventions made by unauthorized people concerning electrical equipment can create life threatening situations. The people who act in a contrary way, are considered to have accepted in advance the negative results that can come up.
- The operational efficiency of the machine, is the percentage of time that the welder can weld for 10 minutes at a given welding current without excessive heating and without taking a break.
- The machine is protected against excessive heating by the help of thermal protection. When this protection comes on-line, the warning light on the front panel will come on. When the safe operating temperature is reached again, the light will turn off and welding will continue.

9. MACHINE MAINTENANCE

- The maintenance and service must be done only by qualified personel! The network current of the welding machine should be cut off during maintenance and service. Electric plug of the machine must be removed from the jack.
- Obey the general personal safety and fire safety rules that deal with welding operations.
- Control the insulation state and connections of cable conductors and energy cable.
- Remove the connections that have become loose.
- The dust which has accumulated inside the welding machine should be cleaned with compressed air regularly. If the machine is being used in an environment that contains a lot of dust and fume, this operation should be repeated twice a month.
- Need to be careful about the pressure of the air that is being used for cleaning in order to protect small pieces.

- The entry of water and steam into the welding machine should be inhibited. If the machine is affected by the humidity, the inside of the machine should be dried and insulation should be controlled.
- If the welding machine is not going to be used for a long time, it should be stored at a dry place.
- The welding machine should not be thrown at random and must be protected from hits while being put away or transported

10. STORAGE AND TRANSPORTATION

- The welding machine should be stored in closed rooms that have environmental temperatures between -10°C and +40°C with a humidity of at the most 70%.
- Incendiary, conductive dust or other environmental elements should not be found in the room.
- It is recommended that the welding machines should be preserved in a proper way.
- The welding machine should be packaged in a way that will prorect it from mechanical damages during long distance transportation.

11. GAS METAL ARC WELDING METHOD

The operations that are listed below should be performed before starting to weld:

- Points to consider in the gas metal arc welding method

a- Gas Tube

Place the gas tube in the open area behind the welding machine and tighten the tube in such a way that it won't fall with the help of the chain above. Affix the gas regulator to the tube. Affix the hose that is located at the rear outlet of the welding machine to the outlet of the gas regulator and squeeze it. Loosen the screw below the gas regulator by turning it to the left (you will have closed off the gas inlet of the machine this way).

b- Torch Connection

Place the torch cable at its place in the wire feed unit carefully and tighten it into its place with the use of clamp screw.

c- Gas Metal Arc Welding Wire

Take the roller out of its package. Turn the roller around until you are certain that the roller will turn counterclockwise once it is placed inside the machine. Then, place the roller into the socket which is located inside the machine. Pushing the roller and the projection on the socket forward will make the task of affixing easier.

d- Wire Feed System

Let us open the pressure levers that are found on the wire feed system. At this point, let us push the wire, which is rolled up on a roller, past the wire feed point which is located inside torch connection (central connection) after passing it through the wire guides located in the wire feed system. The closing of the pressure levers again, places the wire into the wire feed system. Provide for the advancement of the wire through and 20mm past the torch by turning on the machine.

- Adjust the proper welding current value, which you will determine according to the diameter and type of the electrode, welding position and wire information log, by the use of amper adjustment lever which is located at the top of the machine.
- Start welding by obeying the rules of welding.

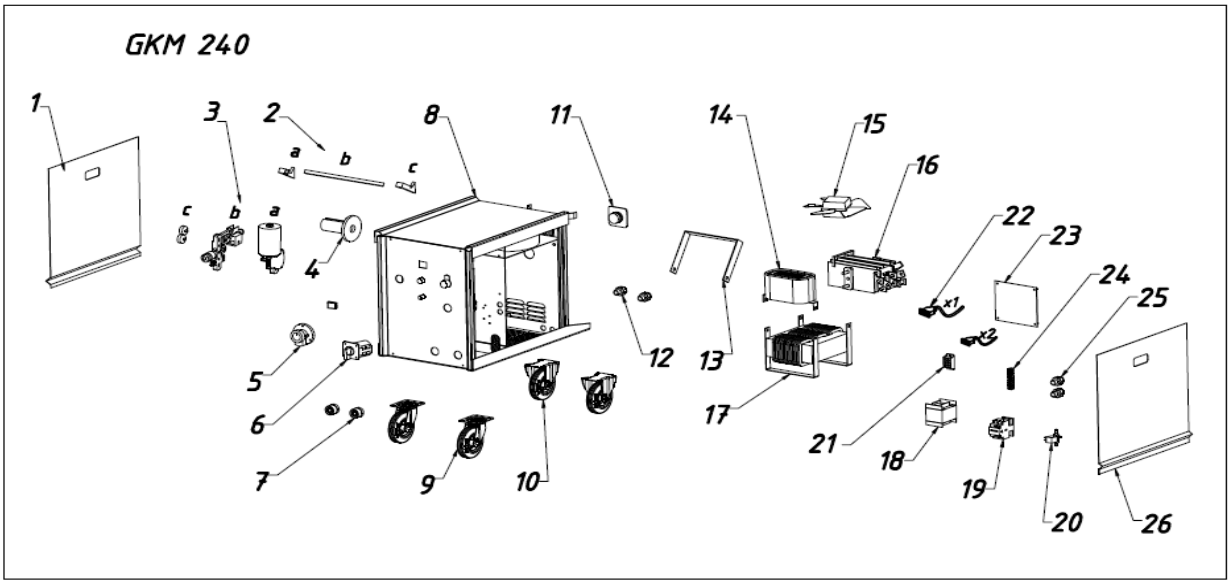
12. GAS METAL ARC WELDING MACHINE PROBLEMS

FAULT	PROBABLE REASON	SOLUTION
The machine is not welding.	There can be a problem with the supply cable or supply voltage of the machine.	Check it.
	The machine could have been deactivated by the thermostat due to excessive heat.	Check it.
	The pump circuit breaker may be in the (0) position or may be faulty.	Check it.
	The power line inside the torch may be broken.	Check it, if it is necessary, get any one.
	There may be a problem with the power line of the connecting cable.	Check it, if it is necessary, get any one.
	The electronic card of the machine may be faulty.	Call the technical service
	The contactor may be faulty.	Call the technical service
The machine is welding at low current.	One less phase may be coming to the machine.	Check it.
	The rectifier group can be faulty.	Call the technical service
	The package type switch of the machine may be faulty.	Check it and get any one.
	The coils of the machine may be faulty.	Call the technical service
	There can be a looseness of contact in the internal cable connections of the machine.	Check it.
	The switches of the contactor may not be conducting a phase.	Check it.
If insufficient gas is coming from the end of the torch or if there is no gas coming out?	The gas valve may be faulty.	Check it, if it is necessary, get any one.
	The flow meter may be faulty.	Check it, if it is necessary, get any one.
	The gas hose inside the torch may have been damaged.	Change the gas hose.
	The torch adaptor gas canal may be clogged up.	Clean the gas canal.

FAULT	PROBABLE REASON	SOLUTION
	The tube may be completely empty.	Change the tube.
The wire feed motor doesn't work.	Its fuse may have blown.	Check it.
	Motor cables inside the connecting cable may be broken.	Check it, if it is necessary, get any one.
	The electronic card of the machine may be faulty.	Call the technical service
	There may be a problem with the card transformer.	Call the technical service.
	The potentiometer may be faulty (22K).	Check it and change it.
	Thyristor module may be faulty.	Call the technical service
	Welding method selection switch may be faulty or a cable of it may be broken.	Check it, if it is necessary, get any one.
	Wire feed motor may be faulty.	Call the technical service
There is an electrical leakage in the machine.	No neutral/ground line is coming to the casing of the machine.	Check it.
Wire inflection is taking place at the outlet of the wire feed roller.	The guide tube has moved very far away from the wire feed roller.	Check it and corret.
	Pressure spring may be firmer than necessary.	Loosen little bit pressure spring.
	The inside of the spiral may be clogged up with dusts of iron. Every wire should be cleaned with dry air at the end.	Clean the inside of the spiral.
	The spiral may be bent.	Correct the spiral.
	Burr might be stuck to the inside of current nozzle which can make it more difficult for the wire to get through.	Check it.
There is a water leakage in the machine's water cooling system.	Water couplers may be faulty.	Check it, if it is necessary, get any one.
	Water hoses might have bursted.	Check it, if it is necessary, get any one.

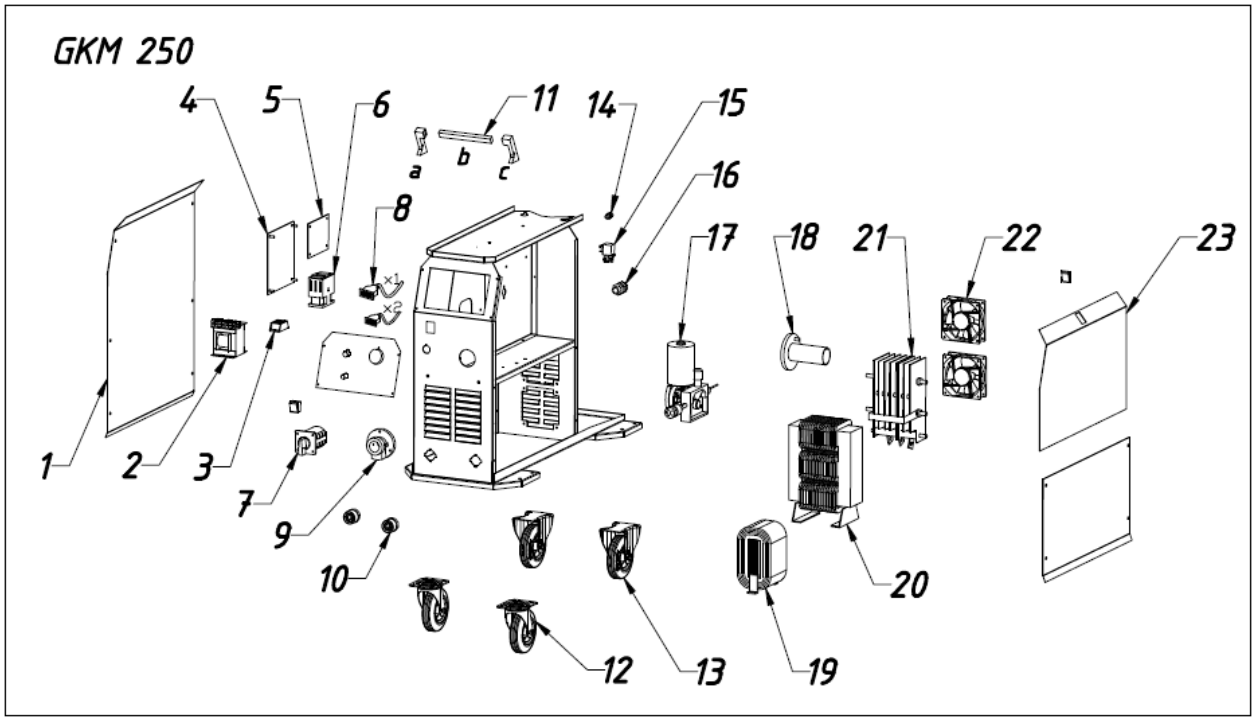
13. SPARE PARTS

13.1. Spare Parts of GeKaMac® GKM 240



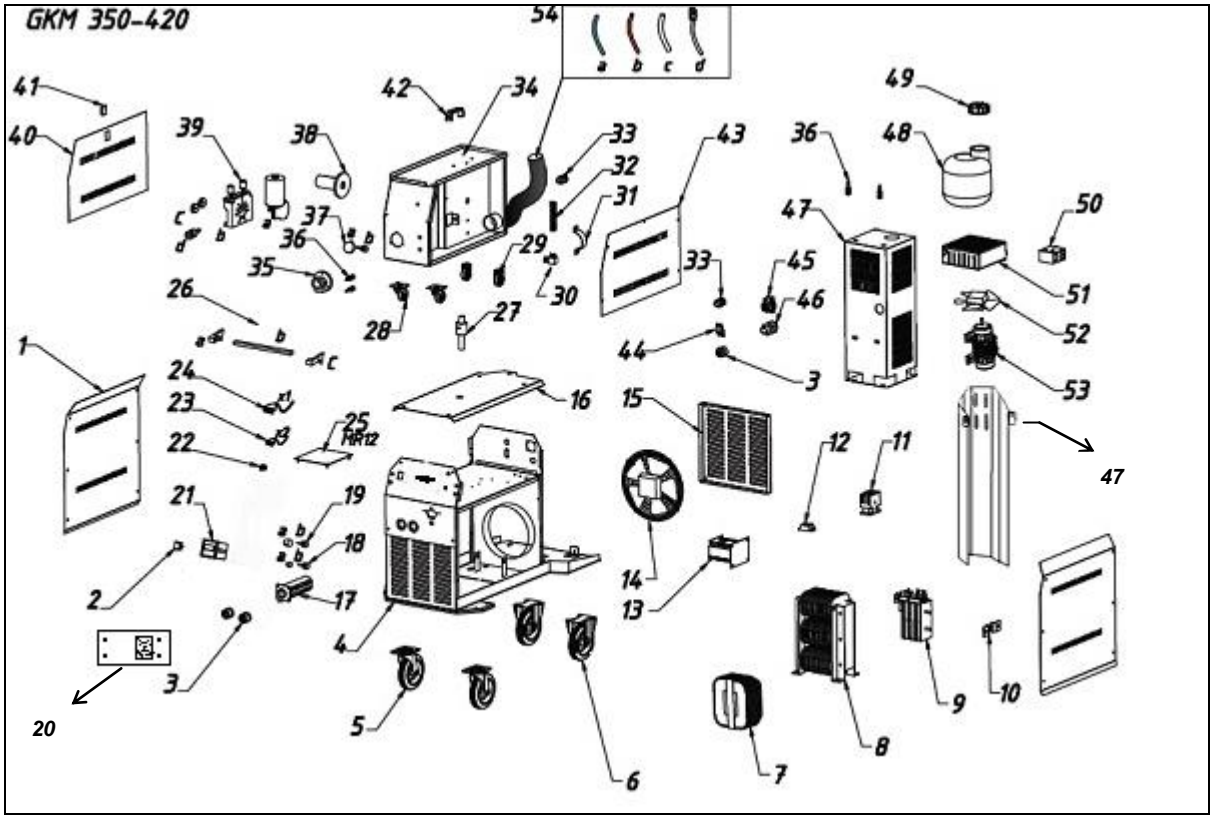
PICTURES NUMBERS		PRODUCT CODE	MATERIAL DESCRIPTION
1		**201094**	GKM 240 COMPLETE LID WITH A HANDLE
2	a	**105662**	RIGHT HAND HANDLE
	b	**201102**	GKM 240 PAINTED HANDLE PROFILE
	c	**105661**	LEFT HAND HANDLE
3	a	**105557**	WIRE FEED MOTOR
	b	**105699**	ROLLER
	c	**201714**	WIRE FEED CARRIER
4		**101521**	BRAKE CYLINDER
5		**100858**	FLANGE
6		**105728**	GKM 240 PACKAGE TYPE SWITCH
7		**206001**	FEMALE JACK SET 50 / 70
8		**201062**	GKM 240 COMPLETELY PAINTED CASING
9		**101472**	GKM 240 MOBILE WHEEL
10		**101471**	GKM 240 FIXED WHEEL
11		**101303**	220 V UNDERPLASTER GROUNDING PLUG
12		**101446**	13,5 mm. PLASTIC UNION STEM
13		**201077**	TUBE HOLDER
14		**201046**	GKM 240 COMPLETE CHOKE COIL
15		**101461**	GKM 240 FAN MOTOR
16		**100507**	GKM 240 RECTIFIER GROUP
17		**201011**	GKM 240 COMPLETE TRANSFORMER (WITH CIRCUIT BREAKER)
18		**101391**	GKM 240 TRANSFORMER CARD
19		**101363**	GKM 240 CONTACTOR (LC1D1818D5)
20		**106408**	42 VOLT VALVE
21		**105698**	THYRISTOR MODULE
22		**201030**	X2 CABLING GROUP (FOR GKM 240)
23		**101360**	MR.12 ELECTRONIC CARD
24		**101295**	NR:3 SHORT CIRCUIT ELECTRIC TERMINAL
25		**101446**	13,5 mm PLASTIC UNION STEM
26		**201090**	GKM 240 COMPLETE SCREW CAP

13.2. Spare Parts of GeKaMac® GKM 250



PICTURES NUMBERS		PRODUCT CODE	MATERIAL DESCRIPTION
1		**202547**	GKM 250 SCREW CAP
2		**101390**	GKM 250 CARD TRANSFORMER
3		**105698**	THYRISTOR MODULE
4		**101360**	MR12 ELECTRONIC CARD
5		**101391**	GKM 240 TRANSFORMER CARD
6		**101363**	GKM 250 CONTACTOR (LC1D1818D5)
7		**105728**	GKM 250 PACKAGE TYPE SWITCH
8		**201030**	X2 CABLING GROUP (FOR GKM 250)
9		**100858**	FLANGE
10		**206001**	FEMALE JACK SET 50 / 70
11	a	**105662**	RIGHT HAND HANDLE
	b	**201102**	GKM 240 PAINTED HANDLE PROFILE
	c	**105661**	LEFT HAND HANDLE
12		**106079**	GKM 250 MOBILE WHEEL
13		**106080**	GKM 250 FIXED WHEEL
14		**106082**	GKM 250 GLASS FUSE HOUSING
15		**106408**	42 VOLT VALVE
16		**101446**	13,5 mm PLASTIC UNION STEM
17		**106067**	WIRE FEED MOTOR
18		**101521**	BRAKE CYLINDER
19		**201930**	GKM 250 CHOKE COIL
20		**201928**	GKM 250 COMPLETE TRANSFORMER
21		**100507**	GKM 250 RECTIFIER GROUP
22		**106077**	GKM 250 FAN
23		**202549**	GKM 250 HINGED LID

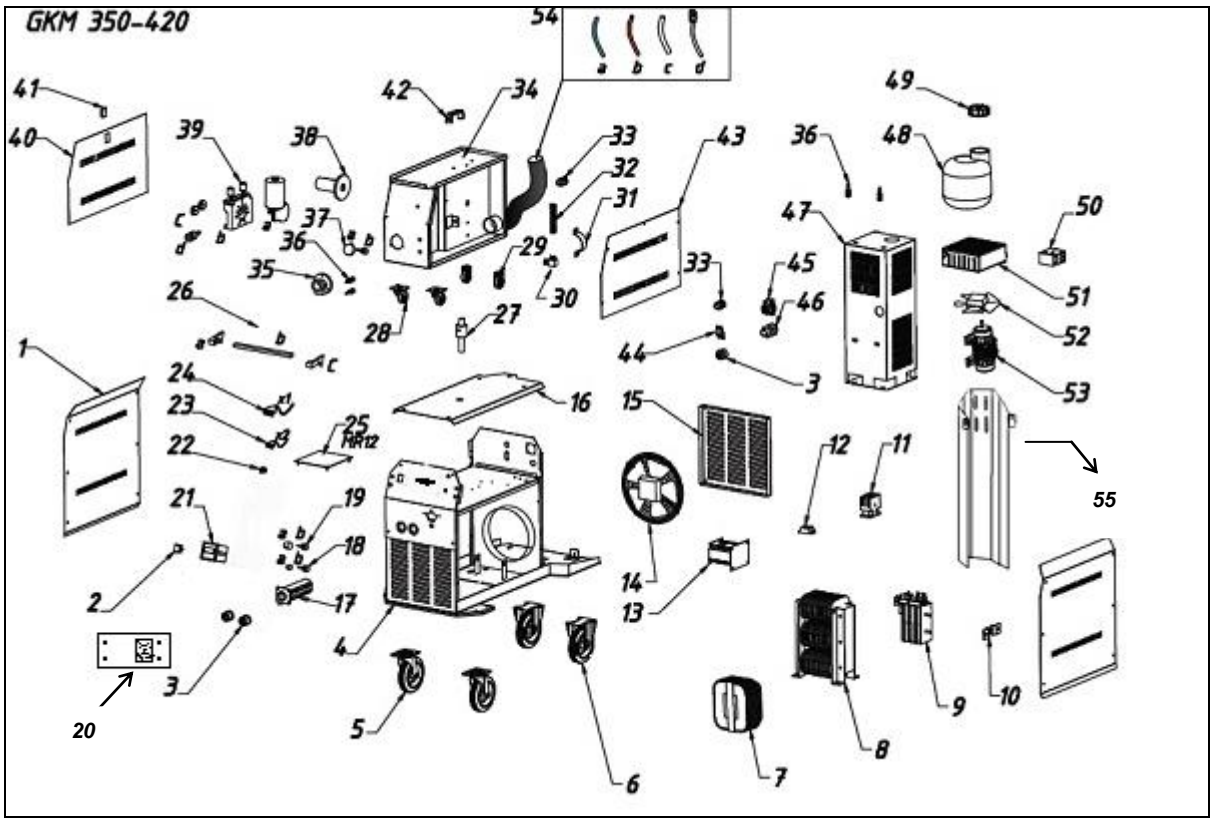
13.3. Spare Parts of GeKaMac® GKM 350-G, GKM 350-2G



PICTURES NUMBERS		PRODUCT CODE	MATERIAL DESCRIPTION
1		**201280**	GKM 350/420 SIDE LID
2		**101304**	0-1 SWITCH
3		**206001**	50-70 FEMALE CONNECTION ELEMENT
4		**201193**	GKM 350/420 METAL BODY
5		**101470**	GKM 350/420 MOBILE WHEEL
6		**101469**	GKM 350/420 FIXED WHEEL
7		**201178**	GKM 350 CHOKE COIL
8		**202545**	GKM 350 TRANSFORMER
9		**100505**	GKM 350 RECTIFIER GROUP
10		**101380**	300A SHUNT
11		**101364**	GKM 350 CONTACTOR
12		**105698**	THYRISTOR MODULE
13		**101389**	CARD TRANSFORMER
14		**101462**	FAN (25CM)
15		**203280**	GKM 350 FAN PROTECTION SHEET METAL
16		**201288**	GKM 350 TOP LID
17		**105726**	12-STAGE PACKAGE TYPE SWITCH
18	a	**201344**	TIME ADJUSTMENT SWITCH
	b	**105656**	25K POTENTIOMETER
19	a	**201140**	WELDING METHOD SELECTION SWITCH
	b	**105665**	2X6 COMMUTATOR SWITCH
20		**107534**	GKM A/V ELECTRONIC CARD
22		**101297**	ELECTRIC TERMINAL
23		**201446**	X2 CABLE GROUP
24		**201173**	X1 CABLE GROUP
25		**101360**	MR 12 ELECTRONIC CARD
26	a	**101537**	PLASTIC HANDLE (LEFT)

PICTURES NUMBERS		PRODUCT CODE	MATERIAL DESCRIPTION
	b	**201299**	PROFILE LEVER
	c	**101538**	PLASTIC HANDLE (RIGHT)
27		**105758**	WIRE FEED UNIT STUD
28		**106116**	WIRE FEED UNIT MOBILE WHEEL
29		**106117**	WIRE FEED UNIT FIXED WHEEL
30		**106408**	GAS VALVE
31		**206103**	CONNECTING CABLE CLAMP
32		**101297**	ELECTRIC TERMINAL
33		**101446**	13,5 mm UNION STEM
34		**201233**	WIRE FEED UNIT METAL BODY
35		**100858**	FLANGE
36		**105748**	6MM WATER COUPLING
37	a	**201003**	WIRE SPEED ADJUSTMENT SWITCH
	b	**105656**	25K POTENTIOMETER
38		**202523**	BRAKE CYLINDER
39	a	**105557**	WIRE FEED MOTOR
	b	**106032**	WIRE FEED SYSTEM
	c	**106039**	WIRE FEED ROLLER(0,8 mm-1,0 mm)
	d	**100857**	WIRE FEED CENTRAL CONNECTION ADAPTOR
40		**201268**	WIRE FEED LID (WITH HANDLE)
41		**106096**	PLASTIC SLIDING LID LOCK
42		**101037**	WIRE FEED CARRIER PLASTIC HANDLE
43		**201264**	WIRE FEED UNIT LID (WITH SCREW)
44		**105731**	FEMALE SOCKET
45		**106247**	220V PLUG
46		**101448**	29 UNION STEM
47		**204064**	TUBE HOLDER

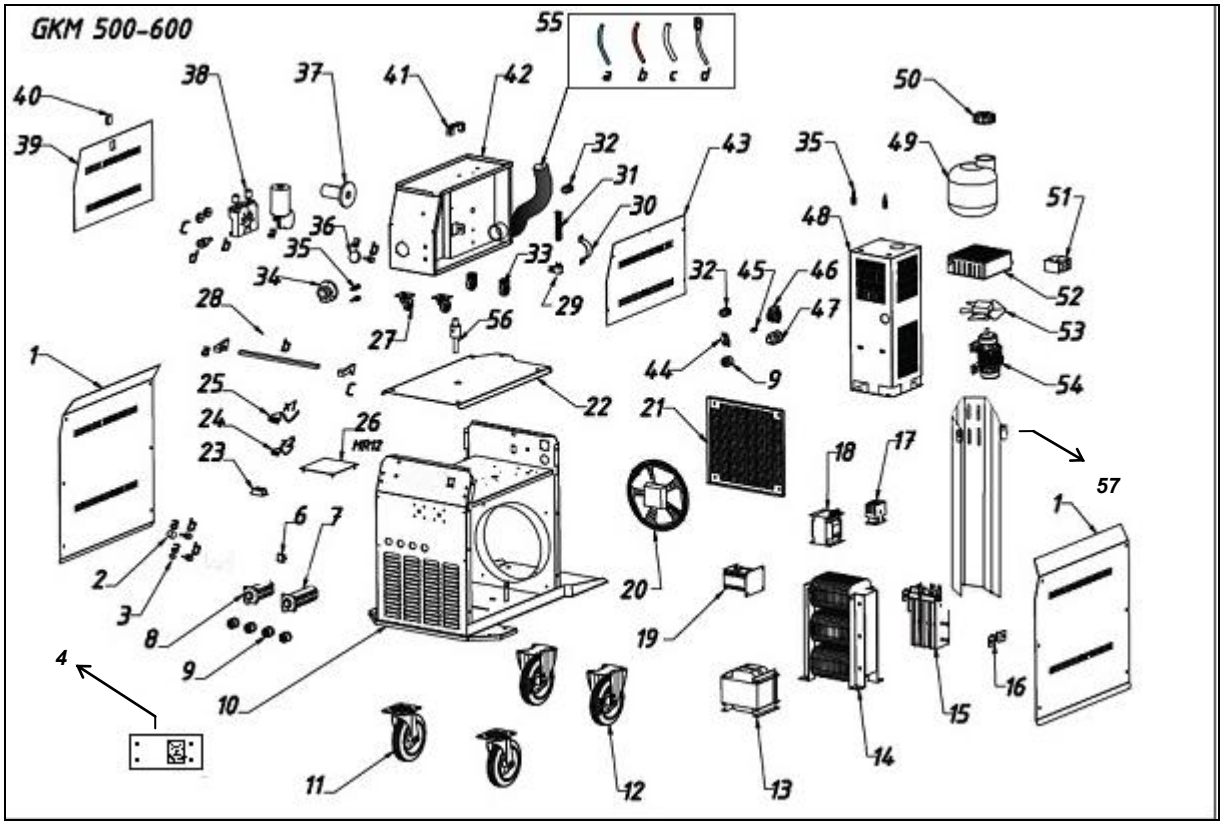
13.4. Spare Part List of GeKaMac® GKM 420-W, GKM 420-G, GKM 420-2W, GKM 420- 2G



PICTURES NUMBERS		PRODUCT CODE	MATERIAL DESCRIPTION
1		**201280**	GKM 350/420 SIDE LID
2		**101304**	0-1 SWITCH
3		**206001**	50-70 FEMALE CONNECTION ELEMENT
4		**201193**	GKM 350/420 METAL CASING
5		**101470**	GKM 350/420 MOBILE WHEEL
6		**101469**	GKM 350/420 FIXED WHEEL
7		**201468**	GKM 420 CHOKE COIL
8		**201413**	GKM 420 TRANSFORMER
9		**100510**	GKM 420 RECTIFIER GROUP
10		**101381**	400A SHUNT
11		**101365**	GKM 420 CONTACTOR
12		**105698**	THYRISTOR MODULE
13		**101389**	AUXILIARY TRANSFORMER
14		**101462**	FAN (25CM)
15		**203290**	GKM 350/420 FAN PROTECTION SHEET METAL
16		**201288**	GKM 350/420 TOP LID
17		**105835**	18 STAGE PACKAGE TYPE SWITCH
18	a	**201344**	TIME ADJUSTMENT SWITCH
	b	**105656**	25K POTENTIOMETER
19	a	**201140**	WELDING METHOD SELECTION SWITCH
	b	**105665**	2X6 COMMUTATOR SWITCH
20		**107534**	GKM A/V ELECTRONIC CARD
22		**101297**	ELECTRIC TERMINAL
23		**201446**	X2 CABLE GROUP

PICTURES NUMBERS		PRODUCT CODE	MATERIAL DESCRIPTION
24		**201455**	X1 CABLE GROUP
25		**101360**	MR 12 ELECTRONIC CARD
26	a	**101537**	PLASTIC HANDLE (LEFT)
	b	**201299**	PROFILE LEVER
	c	**101538**	PLASTIC HANDLE (RIGHT)
27		**105758**	WIRE FEED UNIT STUD
28		**106116**	WIRE FEED UNIT MOBILE WHEEL
29		**106117**	WIRE FEED UNIT FIXED WHEEL
30		**106408**	GAS VALVE
31		**206103**	CONNECTING CABLE CLAMP
32		**101297**	ELECTRIC TERMINAL
33		**101446**	13,5 mm UNION STEM
34		**201233**	WIRE FEED UNIT METAL CASING
35		**100858**	FLANGE
36		**105748**	6mm WATER COUPLING
37	a	**201003**	WIRE SPEED ADJUSTMENT SWITCH
	b	**105656**	25K POTENTIOMETER
38		**202523**	BRAKE CYLINDER
39	a	**105557**	WIRE FEED MOTOR
	b	**106009**	WIRE FEED SYSTEM (1,0 mm-1,2 mm)
	c	**106040**	WIRE FEED ROLLER (1,0 mm-1,2 mm)
	d	**100857**	WIRE FEED CENTRAL CONNECTION ADAPTOR
40		**201268**	WIRE FEED LID (WITH HANDLE)
41		**106096**	PLASTIC SLIDING LID LOCK
42		**101037**	WIRE FEED CARRYING PLASTIC HANDLE
43		**201264**	WIRE FEED UNIT LID (WITH SCREW)
44		**105731**	FEMALE SOCKET
45		**106247**	220V PLUG
46		**101448**	29 UNION STEM
47		**201499**	PUMP UNIT
48		**101476**	WATER TANK
49		**101477**	WATER TANK LID
50		**105749**	MOTOR PROTECTION CIRCUIT BREAKER
51		**202485**	RADIATOR
52		**206152**	PROPELLER
53		**105894**	PUMP MOTOR
54		**201445**	CONNECTING CABLE (5 m)
55		**204064**	TUBE HOLDER

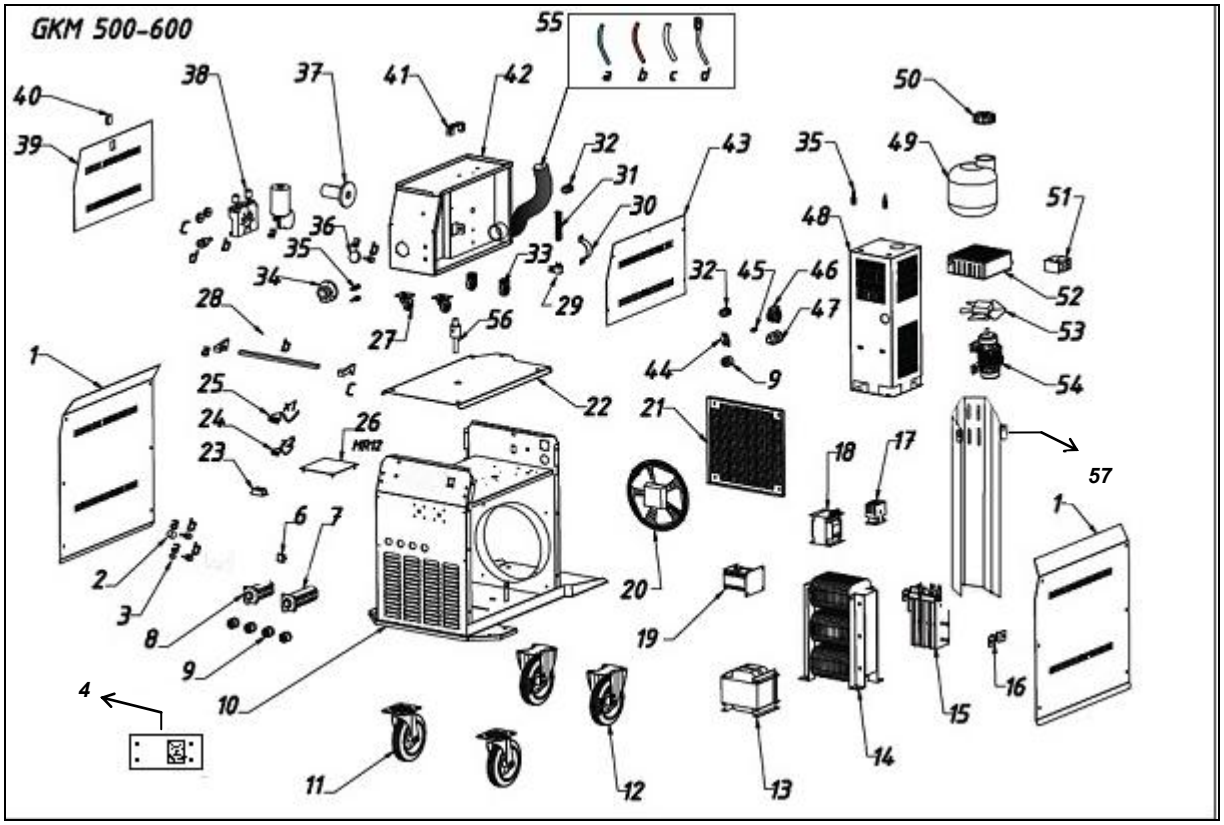
13.5. Spare Parts of GeKaMac® GKM 500-2W, GKM 500-2G



PICTURES NUMBERS		PRODUCT CODE	MATERIAL DESCRIPTION
1		**201760**	GKM 500/600 SIDE LID
2	a	**201140**	WELDING METHOD SELECTION SWITCH
	b	**105665**	2X6 COMMUTATOR SWITCH
3	a	**201344**	TIME ADJUSTMENT SWITCH
	b	**105656**	25K POTENTIOMETER
4		**107534**	GKM A/V ELECTRONIC CARD
6		**101304**	0-1 SWITCH
7		**101369**	1-9 PACKAGE TYPE SWITCH
8		**101370**	1-4 PACKAGE TYPE SWITCH
9		**101438**	70-95 FEMALE CONNECTION ELEMENT
10		**201733**	GKM 500/600 METAL CASING
11		**101473**	GKM 500/600 MOBILE WHEEL
12		**101474**	GKM 500/600 FIXED WHEEL
13		**201712**	GKM 500/600 CHOKE COIL
14		**202467**	GKM 500 TRANSFORMER
15		**100503**	GKM 500 RECTIFIER
16		**101382**	600 A SHUNT
17		**101371**	GKM 500/600 CONTACTOR
18		**101388**	PUMP TRANSFORMER
19		**101389**	ELECTRONIC CARD TRANSFORMER
20		**101464**	30 cm FAN
21		**201744**	GKM 500 FAN SHEET METAL
22		**201764**	GKM 500 TOP LID
23		**105698**	THYRISTOR MODULE

PICTURES NUMBERS		PRODUCT CODE	MATERIAL DESCRIPTION
24		**201692**	GKM 500 X1 CABLE GROUP
25		**201702**	GKM 500 X2 CABLE GROUP
26		**101360**	MR12 ELECTRONIC CARD
27		**106116**	WIRE FEED UNIT MOBILE WHEEL
28	a	**101537**	PLASTIC RIGHT HAND HANDLE
	b	**201775**	PROFILE LEVER
	c	**101538**	PLASTIC LEFT HAND HANDLE
29		**106408**	GAS VALVE
30		**206103**	CONNECTING CABLE CLAMP
31		**101297**	NR:2 TERMINAL STRIPS
32		**101446**	13,5 UNION STEM
33		**106117**	WIRE FEED UNIT FIXED WHEEL
34		**100858**	FLANGE
35		**105748**	6mm WATER COUPLING
36	a	**201003**	WIRE SPEED ADJUSTMENT SWITCH
	b	**105656**	25K POTENTIOMETER
37		**202523**	BRAKE CYLINDER (SET)
38	a	**105557**	WIRE FEED MOTOR
	b	**106009**	WIRE FEED SYSTEM(1,0 mm-1,2 mm)
	c	**106040**	WIRE FEED ROLLER(1,0 mm-1,2 mm)
	d	**100857**	CENTRAL CONNECTION ADAPTOR
39		**201268**	WIRE FEED SYSTEM LID (LEFT)
40		**106096**	PLASTIC LID LOCK
41		**101037**	PLASTIC HANDLE
42		**201233**	WIRE FEED UNIT METAL CASING
43		**201264**	WIRE FEED SYSTEM LID (RIGHT)
44		**105731**	FEMALE SOCKET
45		**106082**	GLASS FUSE HOUSING
46		**106247**	220V PLUG
47		**101448**	29 UNION STEM
48		**201499**	PUMP UNIT
49		**101476**	WATER TANK
50		**101477**	WATER TANK LID
51		**105749**	MOTOR PROTECTION CIRCUIT BREAKER
52		**202485**	RADIATOR
53		**206152**	PROPELLER
54		**105894**	PUMP MOTOR
55		**201994**	CONNECTING CABLE (5 m)
56		**105758**	WIRE FEED UNIT STUD
57		**204064**	TUBE HOLDER

13.6. Spare Parts of GeKaMac® GKM 600-2W



PICTURES NUMBERS		PRODUCT CODE	MATERIAL DESCRIPTION
1		**201760**	GKM 500/600 SIDE LID
2	a	**201140**	WELDING METHOD SELECTION SWITCH
	b	**105665**	2X6 COMMUTATOR SWITCH
3	a	**201344**	TIME ADJUSTMENT SWITCH
	b	**105656**	25K POTENTIOMETER
4		**107534**	GKM A/V ELECTRONIC CARD
6		**101304**	0-1 SWITCH
7		**101369**	1-9 PACKAGE TYPE SWITCH
8		**101370**	1-4 PACKAGE TYPE SWITCH
9		**101438**	70-95 FEMALE CONNECTION ELEMENT
10		**201733**	GKM 500/600 METAL CASING
11		**101473**	GKM 500/600 MOBILE WHEEL
12		**101474**	GKM 500/600 FIXED WHEEL
13		**201712**	GKM 500/600 CHOKE COIL
14		**202661**	GKM 600 TRANSFORMER
15		**100504**	GKM 600 RECTIFIER
16		**101382**	600 A SHUNT
17		**101371**	GKM 500/600 CONTACTOR
18		**101388**	PUMP TRANSFORMER
19		**101389**	ELECTRONIC CARD TRANSFORMER
20		**101464**	30 cm FAN
21		**201744**	GKM 500 FAN SHEET METAL
22		**201764**	GKM 500 TOP LID
23		**105698**	THYRISTOR MODULE
24		**201692**	GKM 500 X1 CABLE GROUP
25		**201702**	GKM 500 X2 CABLE GROUP
26		**101360**	MR12 ELECTRONIC CARD

PICTURES NUMBERS		PRODUCT CODE	MATERIAL DESCRIPTION
27		**106116**	WIRE FEED UNIT MOBILE WHEEL
28	a	**101537**	PLASTIC RIGHT HAND HANDLE
	b	**201775**	PROFILE LEVER
	c	**101538**	PLASTIC LEFT HAND HANDLE
29		**106408**	GAS VALVE
30		**206103**	CONNECTING CABLE CLAMP
31		**101297**	NR:2 TERMINAL STRIPS
32		**101446**	13,5 UNION STEM
33		**106117**	WIRE FEED UNIT FIXED WHEEL
34		**100858**	FLANGE
35		**105748**	6 mm WATER COUPLING
36	a	**201003**	WIRE SPEED ADJUSTMENT SWITCH
	b	**105656**	25K POTENTIOMETER
37		**202523**	BRAKE CYLINDER(SET)
38	a	**105557**	WIRE FEED MOTOR
	b	**106009**	WIRE FEED SYSTEM(1,0 mm-1,2 mm)
	c	**106040**	WIRE FEED ROLLER(1,0 mm-1,2 mm)
	d	**100857**	CENTRAL CONNECTION ADAPTOR
39		**201268**	WIRE FEED SYSTEM LID (LEFT)
40		**106096**	PLASTIC LID LOCK
41		**101037**	PLASTIC HANDLE
42		**201233**	WIRE FEED UNIT METAL CASING
43		**201264**	WIRE FEED SYSTEM LID (RIGHT)
44		**105731**	FEMALE SOCKET
45		**106082**	GLASS FUSE HOUSING
46		**106247**	220V PLUG
47		**101448**	29 UNION STEM
48		**201499**	PUMP UNIT
49		**101476**	WATER TANK
50		**101477**	WATER TANK LID
51		**105749**	MOTOR PROTECTION CIRCUIT BREAKER
52		**202485**	RADIATOR
53		**206152**	PROPELLER
54		**105894**	PUMP MOTOR
55		**201748**	CONNECTING CABLE
56		**105758**	WIRE FEED UNIT STUD
57		**204064**	TUBE HOLDER

14. WARRANTY CONDITIONS

1. The length of the warranty starts on the date of delivery and it is for 1 year.

2. The whole merchandise including all its parts are covered by the warranty of our company.

3. If the merchandise breaks down within the length of the warranty, the time spent in the repair shop will be added to the length of the warranty. The length of repair of the merchandise is at the maximum 20 working days. This period of time starts on the date that the merchandise was delivered at one of the following locations: A service station or the seller of the merchandise or dealer or agency or representation office or importer or manufacturer, in this order if there are no service stations.

4. If the merchandise breaks down either due to material and workmanship or assembly lines within the length of the Warranty, it will be repaired without demanding any money under the name of expenditure of workmanship, the cost of the changed piece or under any other name.

5. Replacement operation will be done without charge in cases where the merchandise repeats the same fault more than twice or different faults come up more than four times within the length of the warranty, the length of the repair exceeds maximum necessary time and the determination of the unrepairability of the merchandise by a report that is prepared either by a service station or the seller or a dealer or an agency or a representation office or the importer or the manufacturer, in this order, if there are no service stations.

6. Faults that are results of misuse according to the user's guide of the merchandise are not covered by the warranty.

7. Ministry of Science Industry and Technology, The Protection of the Consumer and Competition General Directorate can be refered to whenever a problem concerning the warranty document comes up.

8. Earth clamp and electrode holder kits are not under warranty.

GeKaMac®
Gedik Welding Machines

Warranty Document

MACHINE INFORMATION

Brand : GeKaMac®
Model : ……
Serial Number : ……

CUSTOMER INFORMATION

Company Name : ……
Authorized Person : ……
Telephone : ……
Company Address : ……
City/Country…….... ……
E-Mail :……. @……

Signature /Cachet :

SERVICE INFORMATION

Authorized Service : ……
Service Staff : ……
Installation Date : ……/……/……
Warranty Starting Date : ……
Warranty Expiration Date : ……
Signature /Cachet

GeKaMac®
Gedik Welding Machines

Warranty Document

MACHINE INFORMATION

Brand : GeKaMac®
Model : ……
Serial Number : ……

CUSTOMER INFORMATION

Company Name : ……
Authorized Person : ……
Telephone : ……
Company Address : ……
City/Country…….... ……
E-Mail :……. @……

Signature /Cachet :

SERVICE INFORMATION

Authorized Service : ……
Service Staff : ……
Installation Date : ……/……/……
Warranty Starting Date : ……
Warranty Expiration Date : ……
Signature /Cachet

GKM Series

GeKaMac®

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