

FastMig™ Basic – Technical Data

■ Power sources		KM 300	KM 400	KM 500
Mains voltage	3~50/60 Hz	400 V -15%...+20%	400 V -15%...+20%	400 V -15%...+20%
Load capacity 40°	60% ED	-	-	500 A / 39 V
	80% ED	-	400 A / 34 V	-
	100% ED	300 A / 29 V	380 A / 33V	430 A / 35.5 V
Welding voltage range	MIG	10 V...37 V	10 V...39 V	10 V...42 V
External dimensions	L x W x H	590 x 230 x 430 mm	590 x 230 x 430 mm	590 x 230 x 430 mm
Weight		34 kg	35 kg	36 kg

■ Wire feed units		MF 29	MF 33
Operating voltage		24 V DC	24 V DC
Load capacity 40°	60% ED	520 A	520 A
	100% ED	440 A	440 A
Wire feed speed		0...25 m/min	0...25 m/min
Spool, max. ø		200 mm	300 mm
Filler wires ø		0.6...1.6 mm	0.6...2.4 mm
External dimensions	L x W x H	510 x 200 x 310 mm	590 x 240 x 445 mm
Weight		9.4 kg	13.6 kg

FastMig™ Synergic – Technical Data

■ Power sources		KMS 300	KMS 400	KMS 500
Mains voltage	3~50/60 Hz	400 V -15%...+20%	400 V -15%...+20%	400 V -15%...+20%
Load capacity 40°	60% ED	-	-	500 A / 39 V
	80% ED	-	400 A / 34 V	-
	100% ED	300 A / 29 V	380 A / 33V	430 A / 35.5 V
Welding voltage range	MIG	10 V...37 V	10 V...39 V	10 V...42 V
External dimensions	L x W x H	590 x 230 x 430 mm	590 x 230 x 430 mm	590 x 230 x 430 mm
Weight		34 kg	35 kg	36 kg

■ Wire feed units		MSF 53	MSF 55	MSF 57
Operating voltage		50 V DC	50 V DC	50 V DC
Load capacity 40°	60% ED	520 A	520 A	520 A
	100% ED	440 A	440 A	440 A
Wire feed speed		0...25 m/min	0...25 m/min	0...25 m/min
Spool, max. ø		200 mm	300 mm	300 mm
Filler wires ø		0.6...1.6 mm	0.6...2.4 mm	0.6...2.4 mm
External dimensions	L x W x H	510 x 200 x 310 mm	620 x 210 x 445 mm	625 x 243 x 446 mm
Weight		9.4 kg	11.1 kg	14 kg

Please, see [www.kemppi.com](http://www.kemppi.com) for detailed technical data and order information.

■ The Joy of Welding...



...Around the World.







**FASTMIG™**  
Basic & Synergic



**Kemppi Oy** – a pioneer in welding equipment technology



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Pure **Welding Power**  
from the **Root to the Top**



## FastMig™ Basic – pure welding power

### Benefits

- Efficient and productive system
- Light, durable design
- Low energy consumption

### Main applications

- Metal fabrication workshops
- Steel structure workshops
- Shipyards and offshore industry
- Repair and maintenance

■ **The FastMig™ Basic** range of products offers pure welding power for basic MIG/MAG welding in heavy and medium heavy industry.

The selection of three power sources, two wire feeders and other product options allows creating suitable welding equipment combinations for various needs.

With its durable and lightweight construction FastMig™ Basic makes an ideal companion for demanding welding conditions, and its stepless control and digital display put ease of use and the joy of welding within the reach of every workshop.

## The FastMig™ Basic range



### Power Sources

■ **The FastMig™ Basic selection** includes 300-, 400-, and 500-ampere power sources, all of which are effective yet light and compact devices. The energy consumption is 10% lower than that of switch-operated power sources with the same output.



| KM 300 | KM 400 | KM 500 |

### Wire Feeders

■ **The MF 29 and MF 33 wire feeders** are designed for demanding welding conditions. The recyclable, double-skinned plastic casing is strong and elegant, and the reliable wire feed mechanism ensures a smooth and undisturbed wire feed.



| MF 29 | MF 33 |

### Other Options

■ **The FastCool 10 water cooling unit** can be used for providing effective cooling of MIG/MAG welding guns.

■ **The PM 500 transport unit** makes it easy for you to handle and move around the welding equipment.

## FastMig™ Synergic – from the root to the top

### Benefits

- Practical modular design
- Versatile functions
- Spatterless welds

### Main applications

- Metal fabrication workshops
- Shipyards and offshore industry
- Chemical and process industry
- Steel structure workshops

■ **The FastMig™ Synergic** range of products allows creating powerful MIG/MAG welding equipment configurations that can serve you in every welding task from the root to the top.

The extensive selection of synergic curves and the optional FastROOT™ process for effective root pass welding make FastMig™ Synergic the perfect choice for demanding welding in heavy and medium-heavy industry.

When you get everything you need in one smart package, you will save time and money – and gain productivity.

## The FastMig™ Synergic range



### Power Sources

■ **The FastMig™ Synergic selection** includes 300-, 400- and 500-ampere power sources, all of which have an excellent power-to-weight ratio.



| KMS 500 | KMS 400 | KMS 300 |

### Wire Feeders

■ **The MSF range of wire feeders** is designed for demanding conditions and requirements. A versatile selection of control panels makes it easy to enhance the quality and productivity of the welding work.

The MSF 53 can be equipped with the basic panel SF 51 or the synergic panel SF 52.

The MSF 55 and 57 are compatible with the basic panel SF 54 and the synergic panel SF 53.



| MSF 53 | MSF 55 | MSF 57 |

### Other Options

■ **The FastROOT™ welding process** is an optional software component for fast and accurate root pass welding.

■ **Synergic curve packages** are optional software components for facilitating specific welding purposes.

■ **The FastCool 10 water cooling unit** can be used for providing effective cooling of MIG/MAG welding guns.

■ **Two control panel options** are available for each wire feeder. These clear, easy-to-use panels have several features and special functions that help you to further improve welding quality and productivity.

■ **The PM 500 transport unit** makes it easy for you to handle and move around the welding equipment.