

FASTMig™ BASIC



Kemppei FastMig™ Basic – pure power for MIG/MAG welding

The Kemppei FastMig™ Basic is designed for the basic MIG/MAG welding needs of heavy and medium heavy industry. Thanks to its stepless controls and digital displays, individual welding parameters can be fine-tuned easily and accurately.

FastMig™ Basic's effective and efficient 300, 400 and 500 ampere power sources are light, modern and compactly built. They are 70 % lighter and consume 10 % less energy than switch-operated power sources with a comparable output.

The MF 29 and MF 33 wire feed units are designed for demanding welding conditions. The double skinned plastic casing is durable, elegant and recyclable and is fitted with a durable 4 x 4 feed roll device to guarantee steady, uninterrupted wire feeding.

The FastMig™ Basic range includes an option to fit the new FastCool 10 water cooling unit, providing effective cooling of liquid cooled MIG/MAG welding guns in heavy duty applications.

The FastMig™ Basic range

- 3 power sources: KM 300, KM 400 and KM 500
- Wire feed units: MF 29 and MF 33
- Cooling unit: FastCool 10
- Transport unit: PM 500

■ Benefits

- Increased productivity and quality
 - Stepless voltage and wire feed control
- Easy to handle
 - 70 % lighter than equivalent switch controlled devices
- Consumes 10 % less energy

■ Main applications

- Medium & heavy metal fabrication workshops
- Steel structure workshops
- Shipbuilding & Offshore
- Repair and Maintenance

FAST - Formula Arc System Technology

Arc properties guaranteed to increase welding productivity and quality

Technical Data

FastMig™ 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 %
Rated power	60% ED	-	-	25.9 kVA
	80% ED	-	18.5 kVA	-
	100% ED	12.9 kVA	16.9 kVA	20.1 kVA
Connection cable/fuse delayed		4 x 6 S - 5 m / 25 A	4 x 6 S - 5 m / 35 A	4 x 6 S - 5 m / 35 A
Load capacity 40 °C	60% ED	-	-	500 A / 39 V
	80% ED	-	400 A / 34 V	-
	100% ED	300 A / 29 V	380 A / 33 V	430 A / 35.5 V
Welding range	MIG	10 V...37 V	10 V...39 V	10 V...42 V
Open circuit voltage		65 V	65 V	65 V
Power ratio at max current		0.9	0.9	0.9
Efficiency at max. current		87 %	87 %	87 %
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

FastMig™ Wire feeders		MF 29	MF 33	FastMig™ Cooling unit		FastCool 10
Operating voltage		24 V DC	24 V DC	Operating voltage		1 ~, 50/60 Hz 400 V -15%...+20%
Rated power		100W	100W	Connection capacity	100% ED	120 W
Load capacity 40 °C	60% ED	520 A	520 A	Cooling power		1.25 kW
	100% ED	440 A	440 A	Maximum pressure		400 kPa
Feeding mechanism		4-roll feed	4-roll feed	Recommended cooling liquid		20 % - 40 % ethanol/water
Wire feed speed		0...25 m/min	0...25 m/min	Tank volume		3 l
Spool, max. ø		200 mm	300 mm	External dimension	L x W x H	570 x 230 x 280 mm
Filler wires ø	Fe, Ss	0.6...1.6 mm	0.6...1.6 mm	Weight		13 kg
	Cored wire	0.8...1.6 mm	0.8...2.0 mm			
	Al	1.0...1.6 mm	1.0...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			

Order Information

Power sources	FastMig™ KM 300	6033000	MIG -guns	MMT 35, 3 m	6253513MMT
	FastMig™ KM 400	6034000		MMT 35, 4.5 m	6253514MMT
	FastMig™ KM 500	6035000		MMT 42, 3 m	6254213MMT
Wire feeders	MF 29	6063200		MMT 42, 4.5 m	6254214MMT
	MF 33	6063300		MMT 42W, 3 m	6254203MMT
Cooling unit	Fastcool 10	6068100		MMT 42W, 4.5 m	6254204MMT
Transport units	PM 500	6185291		MMT 52W, 3 m	6255203MMT
	PM 501 (with PSL 55)	6185292		MMT 52W, 4.5 m	6255204MMT
	P 500	6185265	Interconnection cables	KM 70-1.8-WH	6260411
	T 10*	6185231		KM 70-1.8-GH	6260413
Accessories	KWF 200 hanging frame	6185285		KM 70-10-GH	6260417
	KWF 200 protection slides	6185286		KM 70-10-WH	6260418
	KWF 300 protection slides	6185287		KM 70-20-WH	6260450
				KM 70-20-GH	6260451
				KM 70-30-WH	6260454
				KM 70-30-GH	6260455

Other lengths subject to enquiry

* FastMig™ requires mounting kit, order number W002085