

# FastMig KM 300 / 400 / 500, KMS 300 / 400 / 500

## Combine choice, power, quality and economy



### + In brief

- Precise electronic control
- Quality welding performance
- Practical, modular design
- Low energy consumption
- Distance wire feeding options
- Practical and versatile functions
- Wise process solutions

### + Applications

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



Energy efficient

## Key features

FastMig KM and KMS MIG/MAG machines pack huge duty cycle performance into compact lean dimensions and weight, increasing productivity and work site mobility. Precise arc performance suits environments where quality matters and 10% more power efficiency over conventional designs will please every user. FastMig KM range is the modern alternative to traditional step-switch designs. New control technology ensures excellent arc ignition and welding performance, so you spend more time welding and less time cleaning weld spatter.

Choose from 300/400/500 amp power source models, plus two robust, impact resistant, plastic cased wire feeders for 200mm and 300mm wire spools. Electronic control means you can tune and adjust the weld settings from the wire feed unit, even during welding. Choose from our wide range of interconnecting cable sets and you'll have the reach, control and distance you need.

Power efficient 300/400/500 amp KMS models combine with three MXF wire feed units suiting different work site conditions and 200mm and 300mm wire spools. A choice of basic or synergic control panels offer large, clear meter displays and logical, useful functions that make welding easy in any situation. Synergic SFW control panels simplify weld process control including selections for Fe, St/St, Al, CuSi, CuAl8 filler wires in a range of diameters.

FastMig KMS is compatible with several Wise process products, including WiseRoot and WisePenetration, ensuring KMS users have the option to easily tackle those specialist tasks when needed.



Combine FastMig KMS with SuperSnake for the ultimate distance and access welding solution, extending the reach of standard welding guns up to 25 m from the wire feed unit.



The modular design of KM/KMS models ensures you choose the specification that best suits your needs.

# FastMig KM 300 / 400 / 500, KMS 300 / 400 / 500

## Technical specifications

FastMig		KM/KMS 300	KM/KMS 400	KM/KMS 500	KM/KMS 400 MVU	
Connection voltage	3~, 50/60 Hz	400 V (-15...+20 %)	400 V (-15...+20 %)	400 V (-15...+20 %)	400 V (-15...+20%)	230 V (±10%)
Rated power at max. current		12.9 kVA/ 13.9 kVA	18.5 kVA/ 19.5 kVA	25.9 kVA/ 26.1 kVA	19 kVA	20 kVA
Connection cable	H07RN-F	4G6 (5 m)	4G6 (5 m)	4G6 (5 m)	4G10 (5 m)	4G10 (5 m)
Fuse, delayed		25 A	35 A	35 A	35 A/50 A	35 A/63 A
Output 40 °C	60 % ED	-	-	500 A/39 V		
	80 % ED	-	400 A/34 V	-	400 A/34 -36V	400 A/36 V
	100 % ED	300 A/29 V	380 A/33 V	430 A/35.5 V	380 A/35 V	380 A/33-35 V
Open circuit voltage	MMA	50V	50V	50V	50V	50V
	MIG	65V	65V	65V	65V	65V
Power ratio at max. current		87 %	87 %	87 %	87 %	87 %
Welding range	MIG	20A/12V-300A/32V	20A/12V-400A/36V	20A/12V-500A/40V	20A/12V- 400A/36V	20A/12V - 500A/40V
	MMA	10A/20V-300A/32V	10A/20V-400A/36V	10A/20V-500A/40V	10A/20V- 400A/36V	10A/20V - 500A/40V
External dimension (mm)	L x W x H	590 x 230 x 430	590 x 230 x 430	590 x 230 x 430	590 x 230 x 580	590 x 230 x 580
Weight		34 kg	35 kg	36 kg	49 kg	49 kg

FastMig wire feeders		MF 29	MF 33	MXF 63	MXF 65	MXF 67
Operating voltage		24 V DC	24 V DC	50 V DC	50 V DC	50 V DC
Rated power		100 W	100 W	100 W	100 W	100 W
Output 40 °C	60 % ED	520 A	520 A	520 A	520 A	520 A
	100 % ED	440 A	440 A	440 A	440 A	440 A
Wire feed mechanism		4 roll	4 roll	4 roll	4 roll	4 roll
Wire feed speed		0...25 m/min	0...25 m/min	0...25 m/min	0...25 m/min	0...25 m/min
Wire spool, maximum	∅	200 mm	300 mm	200 mm	300 mm	300 mm
Filler wires ∅ (mm)	Fe, Ss	0.6...1.6	0.6...1.6	0.6...1.6	0.6...1.6	0.6...1.6
	Cored wire	0.8...1.6	0.8...1.6	0.8...1.6	0.8...2.0	0.8...2.0
	Al	1.0...1.6	1.0...1.6	1.0...1.6	1.0...2.4	1.0...2.4
External dimensions (mm)	L x W x H	510 x 200 x 310	510 x 200 x 310	510 x 200 x 310	620 x 210 x 445	625 x 243 x 476
Weight		9.4 kg	13.6 kg	9.4 kg	11.1 kg	14 kg

FastCool 10	
Operating voltage	24 V DC
Rated power	50 W
Cooling power	1.0 kW
Maximum pressure	450 kPa
Recommended cooling liquid	20...40 % ethanol/water
Tank volume	3 l
External dimensions	L x W x H 570 x 230 x 280 mm
Weight	11 kg

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## Ordering information

<b>Power Sources</b>	
FastMig KM 300	6033000
FastMig KM 400	6034000
FastMig KM 500	6035000
FastMig KM 400 MVU	603400003
FastMig KMS 300	6053000
FastMig KMS 400	6054000
FastMig KMS 500	6055000
FastMig KMS 400 MVU	605400003
<b>Control panels</b>	
SF 51	6085100
SFW 52	6085200W
SFW 53	6085300W
SF 54	6085400
<b>WiseRoot™ feature</b>	<b>6265011</b>
<b>Wire Feeders</b>	
MF 29	6063200
MF 33	6063300
MXF 63	6152300
MXF 65	6152100
MXF 67	6152200
<b>FastCool 10</b>	<b>6068100</b>



Wire feed units for different applications. MXF 65/MXF 67 for 300 mm wire spools. MXF 63 for 200 mm wire spools.

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## Ordering information

<b>Transport units</b>			
PM 500	6185291	PMT 50 4.5 m	6255014
PM 501 (with PSL 55)	6185292	PMT 30 W 3 m	6253043
PM 502	6185293	PMT 30 W 4.5 m	6253044
P 500 (MF 29, MF 33, MXF 63)	6185265	PMT 42W 3 m	6254203
P 501 (MXF 65, MXF 67)	6185269	PMT 42W 4.5 m	6254204
T 10*	6185231	PMT 52W 3 m	6255203
T 120*	6185252	PMT 52W 4.5 m	6255204
<b>Remote control units</b>		<b>Earth return cables</b>	
R10, 5 m	6185409	5 m, 50 mm <sup>2</sup>	6184511
R10, 10 m	618540901	5 m, 70 mm <sup>2</sup>	6184711
R20, 5 m	6185419	<b>Cable for MMA welding</b>	
RMT 10 (PMT)	6185475	5 m, 50 mm <sup>2</sup>	6184501
R30 DataRemote 5 m	6185420	5 m, 70 mm <sup>2</sup>	6184701
R30 DataRemote 10 m	618542001	<b>Interconnection cables</b>	
Remote control cable, 10 mm	6185481	KM 70-1.8-WH	6260411
<b>Accessories</b>		KM 70-1.8-GH	6260413
KWF 200 hanging frame	6185285	KM 70-10-GH	6260417
KWF 200 protection sliders	6185286	KM 70-10-WH	6260418
KWF 300 protection sliders	6185287	KM 70-20-GH	6260450
KV 200 mounting plate	6185249	KM 70-20-WH	6260451
MXF 63 hanging frame (incl. KPS mounting set)	6185285	KM 70-30-GH	6260454
MF 65 hanging kit	W001694	KM 70-30-WH	6260455
MXF 63 protection sliders (incl. KPS mounting set)	6185286	KWF 70-1.8-GH	6260401
KWF Sync 300	6263300	KMS 70-1.8-WH	6260410
GG200/300 gas guard	6237406	PROMIG 2/3 70-10-GH	6260326
MXFSuperSnake synchronisation kit	W004030	PROMIG 2/3 70-10-WH	6260334
Gun holder GH30	6256030	PROMIG 2/3 70-20-GH	6260327
KV 401 SWING BOOM ARM (PM 500)	6185248	PROMIG 2/3 70-20-WH	6260337
<b>MIG welding guns</b>		PROMIG 2/3 70-30-GH	6260330
MMT 35 3 m	6253513MMT	PROMIG 2/3 70-30-WH	6260340
MMT 35 4.5 m	6253514MMT		
MMT 42 3 m	6254213MMT		
MMT 42 4.5 m	6254214MMT		
MMT 42W 3 m	6254203MMT		
MMT 42W 4.5 m	6254204MMT		
MMT 52W 3 m	6255203MMT		
MMT 52W 4.5 m	6255204MMT		
PMT 35 3 m	6253513		
PMT 35 4.5 m	6253514		
PMT 42 3 m	6254213		
PMT 42 4.5 m	6254214		
PMT 50 3 m	6255013		

Other lengths if requested.

\* FastMig requires a mounting kit, order number W002085.