

## Productivity, performance and durability

Kemppi **WeldForce™** MIG/MAG machine range provides productivity, performance and durability in welding. **WeldForce™** is the reliable choice for rough field conditions; incorporating heavy-duty wire feeder and the latest welding power technology and digital control. Choose **WeldForce™** on arc performance alone and you will ensure adaptability and variety of process control at the point of application. **WeldForce™** is modular by design, allowing customers to choose the specification that best meets their needs. Three power source sizes (350A, 450A, and 550A) and four different feeder options guarantee customer choice by selecting the combination that best suits the application.

The new **WeldForce™** wire feeders represent new levels of durability in wire feeder design and construction; using impact resistant strong, plastic casing Kemppi ensure significant reductions of wear and tear in case-materials. If you need powerful basic MIG/MAG machines with accurate parameter control or more advanced synergic MIG/MAG, **WeldForce™** is the ideal welding solution.

- WeldForce™ range**
- Gas-cooled: 350, 450 and 550 A
  - Liquid-cooled: 350, 450 and 550 A (with a separate cooling unit)
- All of the Gas- and Liquid-cooled models are also available as multi-voltage machines (230 / 400V 3ph).



- Heavy duty machines
- Reliable choice for rough field conditions
- Controls shielded from impact
- Synergic 1-knob MIG - 46 programs
- Memory channel options
- Choose the feeder specification that meets your needs:
  - on power source, on boom, on swing arm, with hanging frame, 200/300 mm spools, basic/advanced features

### Features of KWF feeders

U / WFS, 2T / 4T  
 Gas flow adjustment  
 Wire feed speed and voltage displays with hold-function  
 Dynamics  
 Wire inch, Gas purge  
 Creep start  
 ON / OFF -function  
 Set-up -function  
 Crater filling, Hot Start  
 1-MIG (Synergic MIG)  
 Memory for welding parameters  
 MMA

### KWF 200/300

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### KWF 200S/300S

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### WeldForce™ – maximum arc performance

Kemppi always pays special attention to arc performance and **WeldForce™** is no exception. **WeldForce™** offers choices in filler material and gas programs selection, providing fine arc control and adjustment in a variety of applications and materials. **WeldForce™** includes specific control selections of ignition and weld termination. Hot start, creep start and crater filling controls meet the demands of busy users and the changing workshop needs throughout the working day. **WeldForce™** Synergic includes 46 Synergic programs and parameter memory selection guarantees the recording of optimum weld settings.



### Main applications

- Shipyards
- Offshore
- Heavy and medium workshops

# Technical data

## Wire feed units

	KWF 200/200S	KWF 300/300S
Connection voltage (safety voltage) V DC	50	50
Rated power W	100	100
Max. load 60% A	520	520
100% A	440	440
Filler wires mm ø		
Fe, Ss	0.6 ... 1.6	0.6 ... 2.4
Cored wire	0.8 ... 1.6	0.8 ... 2.4
Al	1.0 ... 1.6	1.0 ... 2.4
Max. wire reel ø mm/kg	200/5	300/20
Wire feed speed m/min	0-18 (25)	0-18 (25)
Dimensions L x W x H mm	510 x 200 x 310	590 x 240 x 445
Weight kg	9.4	13.6

## Power sources

	KPS 3500	KPS 4500	KPS 5500
Connection voltage 3~ 50/60 Hz (all machines)	400 V -15 % ... +20 %		
Loadability 60% ED	-	450 A	550 A
80% ED	350 A	420 A	500 A
100% ED	320 A	380 A	440 A
Welding current and voltage range			
MMA	10-350 A	10-450 A	10-550 A
MIG	10-32 V	10-36 V	10-40 V
Connection capacity kVA	15	21.5	28
Fuse delayed A	25	35	35
Degree of protection	IP 23C	IP 23C	IP 23C
Open circuit voltage V	approx. 65	approx. 65	approx. 65
Dimensions L x W x H mm (all machines)		690 x 230 x 520	
Weight kg	37	41	48

## Power sources

	KPS 3500MVU	KPS 4500MVU	KPS 5500MVU
Connection voltage 3~ 50/60 Hz 230 V/3~ (all machines)	400 V -15 % ... +20 %		
Loadability 60% ED	-	450 A	550 A
80% ED	350 A	420 A	500 A
100% ED	320 A	380 A	440 A
Welding current and voltage range			
MMA	10-350 A	10-450 A	10-550 A
MIG	10-31 V	10-36 V	10-42 V
Connection capacity kVA	17	24	33
Fuse delayed A (230V)	35	50	63
Degree of protection	IP 23C	IP 23C	IP 23C
Open circuit voltage V	approx. 65	approx. 65	approx. 65
Dimensions L x W x H mm (all machines)		530 x 230 x 620	
Weight kg	45	49	56

## Water cooling unit KWU 10

Connection voltage 50/60 Hz V	400 1~
Rated power W	120 W
Cooling power	1.25
Max. start pressure kPa	400
Tank volume l	3
Dimensions L x W x H mm	530 x 230 x 290
Weight / without water kg	12.5
Degree of protection	IP 23C



## Order information

Power sources		
KPS 3500	400V	6131350
KPS 4500	400V	6131450
KPS 5500	400V	6131550
KPS 3500 MVU	230/400V	613135003
KPS 4500 MVU	230/400V	613145003
KPS 5500 MVU	230/400V	613155003

## Wire feeders

KWF 200	6232200
KWF 300	6232300
KWF 200S	6232200S
KWF 300S	6232300S

## Water cooling unit

KWU 10	6262110
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## Transport units

P40	6185264
T400	6185267

## Remote control units

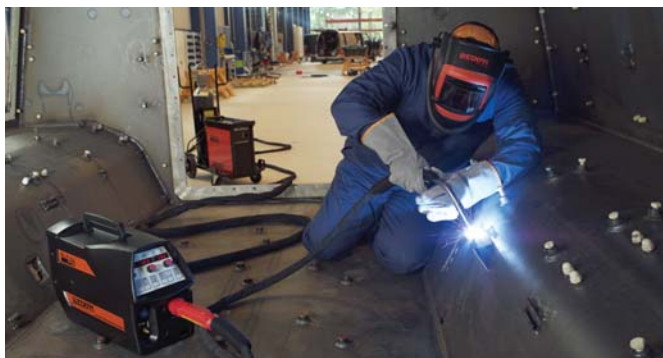
R20	6185419
R10	6185409
RMT 10 (PMT MIG GUN)	6185475

## Interconnection cables

KWF 70-1,8-GH	6260401
KWF 70-1,8-WH	6260403
PROMIG 2/3 70-10-GH	6260326
PROMIG 2/3 70-10-WH	6260334

## Accessories

KWF 200 hanging frame*	6185285
KWF 200 protection slides*	6185286
KWF 300 protection slides	6185287
KWF 200/300 spool space heater	6185288
KV 400 swing arm	6185247
GG200/300 Gas Guard	6237406
KWF Sync 300	6263300



\* incl. KPS mounting set