

## Big power, small package, quick ignition



### + In brief

- 300A, 20% duty cycle, 14.5kg
- Easy tune step-less voltage and wire speed
- Adjustment for shielding gas flow to welding gun
- Three position switch for self shielded and shielded filler wires

### + Applications

- Shipyards and offshore industry
- Metal fabrication workshops
- Installation and set-up
- Car repair
- Agriculture



Energy efficient

## Key features

FitWeld 300 MIG/MAG machine is the solution for tacking and welding in heavy industry. QuickArc™ ignition techniques, the latest GT WireDrive™ mechanics and Brights™ cabinet lighting, combine with other features to make welding faster, easier and safer. Offering real economy of size and weight, FitWeld also saves up to 57% on input power and increases tack and welding speed to twice that of traditional MMA equipment.

FitWeld's welding heritage shines through with precise and crisp arc character. Its tough and robust plastic case protects the power source in extreme conditions. The GT WireDrive™ unit is compact and strong, giving rapid response to welding gun trigger signals, making it ideal for multiple arc starts in tack welding environments.

## FitWeld architecture



1. Adjustment for shielding gas flow to welding gun.
2. Brights™ LED's illuminate the wire feed cabinet, making wire spool changes and adjustment easy and safe in dark conditions.
3. GT WireDrive™ is compact and strong, giving rapid response to welding gun trigger signals. Designed for multiple arc start use.
4. QuickArc™ ignition ensures precise, clean arc ignition, so spatter is minimised and arc stabilisation is fast.
5. Reinforced fibre plastic case protects the power source in extreme conditions.
6. GasGuard™ function prevents welding without shielding gas in 2T/4T position.
7. Three position switch for self-shielded and gas-shielded filler wires.
8. Strong grab handles make carrying and lifting easy, also protecting rear fittings.
9. Enclosed wire cabinet design helps to protect filler wire from the welding environment.
10. Cabinet door latch mechanism is protected from damage and accidental opening.
11. Easy polarity change allows either positive or negative welding.

# FitWeld 300

## Technical specifications

FitWeld 300		
Connection voltage	3 ~, 50/60 Hz	380 – 440 V ±10%
Rated power at max. current		11.0kVA
Supply current	$I_{1max}$	16 A
	$I_{1eff}$	7A
Load capacity 40 °C		300 A / 20%
Connection cable	H07RN-F	4G1.5 (5m)
Fuse (delayed)		10A
Open circuit voltage		40 – 46 V
Power factor at max. current		0.95
Efficiency at max. current		0.85
Welding range		11- 32V
Wire spool (max. ø)		200 mm
Wire feed mechanism		2-roll feed
Filler wires	Fe solid	0.8 - 1.2 mm
	Fe cored	0.8 - 1.2 mm
	Ss	0.8 - 1.2 mm
	Al	1.0 - 1.2 mm
External dimensions	L x W x H	457 x 226 x 339 mm
Weight		14.5 kg
EMC class		A
Degree of protection		IP23S

## Ordering information

FitWeld	300
Fitweld 300, MMT32, 3 m	P2101
Fitweld 300, MMT32, 4.5 m	P2102
MMT32, 3 m	6253213MMT
MMT 32, 4.5 m	6253214MMT
Earth return cabel, 35 mm <sup>2</sup> , 5 m	6184311
Shield gas hose, 6 m	W000566



FitWeld 300 mounted on ST7 transport unit.

For more product information, videos and news, please visit our website at [www.kemppi.com](http://www.kemppi.com)

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The Joy of Welding