

FitWeld Evo 300

Big power, small package, multi-voltage



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Why buy

- 300 A at 30 % duty cycle
- Ideal for limited working space
- Portable at 15 kg
- Much faster than MMA in tacking
- Exceptional ignition quality
- For 230 V and 380-440 V 3-phase input voltage
- Digital metering guarantees accurate parameters for WPS conformity
- Integral shielding gas flow regulation and GasGuard™
- Heavy duty plastic case for tough working conditions



Energy efficient

Speed, quality and economy for professionals

The impressive new FitWeld Evo 300 is the latest compact and portable MIG/MAG welding solution from Kemppi, including many innovative design techniques. QuickArc™ ignition, the latest GT WireDrive™ mechanics and Brights™ cabinet lighting combine with other features to make welding faster, easier and safer in heavy industry. 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.

- Portable 300 A / 14.5 kg - easy to move to the work site. Strong handles mounted to the top and rear of the reinforced plastic casing.
- Use for tacking, installation and even light production welding.
- Multi-voltage power source design for connection to 230 V and 380 V - 440 V (+/-10 V) 3-phase input voltages.

Power to weld accurately with clean results

FitWeld Evo 300 features a generous welding voltage range from 11 V to 32 V, which means you have adequate power for a wide range of applications. It delivers excellent welding performance at 300A @ 30% duty cycle.

Special arc ignition control techniques called QuickArc are used during the ignition cycle, ensuring very clean and precise arc initiation. QuickArc delivers clean, crisp and stable results, even with 1.2 mm filler wire.



Architecture

1. GasGuard ON/OFF.
2. Brights™ white LEDs for wire feeder illumination.
3. Durable cast aluminium GT WireDrive™ mechanism.
4. Gas hose connector.
5. Safe fiber-reinforced plastic case.
6. Connection cable.
7. 2T & 4T MIG gun switch selection and GasGuard OFF position for 2T.
8. Strong protective grab handles on top and on back.
9. Protective enclosed wire cabinet. Optional cabinet heater.
10. Cabinet door latch mechanism.
11. Polarity change connectors.
12. New safe spool hub and spool brake. For 20 cm spools.

Display and metering

Power control is set via simple, panel mounted control knobs. The digital display guarantees fast and accurate preset voltage and wire feed speed parameters setting. Actual parameters are displayed during welding and remain in the post welding display.

Strong cabinet with LED lights and optional heater

The strong fibreglass impregnated plastic case makes the machine body very strong and impact resistant.

The wire feed mechanism features a durable cast aluminium GT WireDrive and to make wire spool change and adjustment easy and safe in low light conditions, Brights cabinet lighting delivers the solution. In addition, an FitWeld Evo 300 can be ordered with cabinet heating, helping to control the wire cabinet temperature fluctuations that result in condensation and filler wire surface oxidation.

GasGuard™

Fitted as standard to FitWeld Evo 300, Kemppi Gas Guard eliminates the possibility to weld without shielding gas, helping to prevent unnecessary rework and damage to the welding gun.



FitWeld Evo 300 LED display



FitWeld Evo 300 control panel

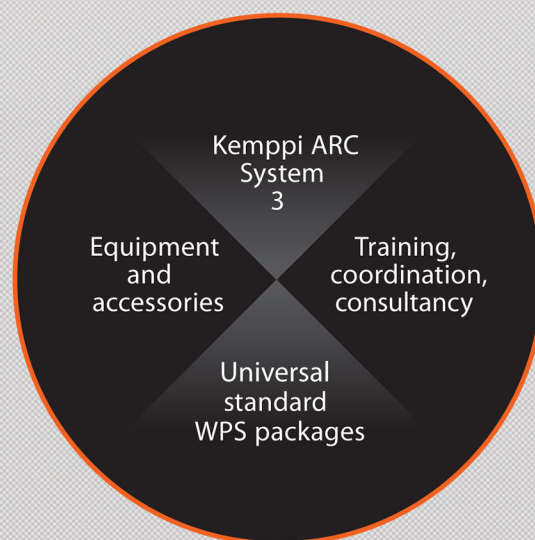
Technical data

FitWeld Evo 300			
Connection voltage	3 ~, 50/60 Hz	220-230 / 380-440 V ±10 %	
Rated power at max. current		10.8 kVA	
Supply current	25 % ED I_{1max}	230 V: 29 A	400 V: 17 A
	25 % ED I_{1eff}	230 V: 15 A	400 V: 9 A
Output 40 °C	25 % ED	300 A / 29.0 V	
	40 % ED	250 A / 26.5 V	
	60 % ED	210 A / 24.5 V	
	100 % ED	170 A / 22.5 V	
Connection cable	H07RN-F	4G1.5 (5 m)	
Fuse (delayed)		230 V: 16 A	400 V: 10 A
Open circuit voltage		42 - 86 V DC	
Power factor at max. current		230 V: 0.93	400 V: 0.94
Efficiency at max. current		230 V: 83 %	400 V: 84 %
Welding range		11 - 32 V	
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	
Minimum short circuit power S _{sc} of supply network		1.9 MVA	
Degree of protection		IP23S	

Ordering information

FitWeld Evo 300	
FitWeld Evo 300 + FE32 3.5 m	P2103
FitWeld Evo 300 + FE32 5 m	P2104
FE32 3.5 m	6603203
FE32 5m	6603204
FE35 3,5M	6603503
FE35 5M	6603504
MMT 32, 3 m	6253213MMT
MMT 32, 4.5 m	6253214MMT
Earth return cable, 35 mm ² , 5 m	6184311
Shield gas hose, 6 m	W000566

Total Welding Management



Kemppi contact info

