



KEMPPI PRO EVOLUTION

The multi-process power sources representing the well-known Kemppi Pro brand bring a professional feel to MMA welding.

In brief

The dependable and stable arc enables productive welding

Extensive electrode selection due to high voltage reserve

Quality welds with minimal spatter due to precise controls

Withstands extremely heavy use

Applications

Installation and set-up

Repair and maintenance

Shipyards and offshore industry

Kemppi Pro Evolution in MMA welding

The digitally controlled multi-process power sources in the Kemppi Pro Evolution product series are suitable for all types of welding. They can also be also used for demanding MMA welding and carbon arc gouging.

The power source functions are controlled in MMA welding either by using the PL control panel containing the basic functions or by using a more diverse PX control panel. Both contain all the necessary functions for efficient manual metal arc welding.

There are three different power classes available for Kemppi Pro Evolution power sources: 3200, 4200 and 5200.

■ A diverse tool for the professional

Kemppi Pro Evolution power sources are true instruments for the professional as far as functionality and power are concerned.

These machines can be used for welding with all electrode types, including cellulosic electrodes. The arc features are stable and the power source maintains steady current regardless of variations occurring in the length of the arc.

The features include electrode ignition pulse, automatic arc dynamic control, high voltage reserve, and an anti-freeze function that assists in continuing welding when the electrode gets stuck to the material being welded.

Technical specifications

Kemppi Pro Evolution power sources		3200	4200	5200
Connection voltage	3~, 50/60 Hz	400 V (-15...+20 %)	400 V (-15...+20 %)	400 V (-15...+20 %)
Rated power at maximum current		13.3 kVA	19.7 kVA	26.6 kVA
Connection cable	H07RN-F	4G6 (5 m)	4G6 (5 m)	4G6 (5 m)
Fuse, delayed		25 A	35 A	35 A
Load capacity 40° C	70 % ED	-	420 A/36.8 V	520 A/40.0 V
	100 % ED	320 A/32.8 V	400 A/36 V	440 A/37.6 V
Welding range	MMA	10 A/20V–320 A/33V	10 A/20V–420 A/37V	10 A/20–520 A/40V
Open circuit voltage		65 V	65 V	65 V
Power factor at maximum current		0.93	0.93	0.93
Efficiency at maximum current		0.85	0.85	0.85
External dimensions	L x W x H, mm	530 x 230 x 520	530 x 230 x 520	530 x 230 x 520
Weight	kg	37	41	48

Ordering codes

Power sources		
Kemppi Pro Evolution 3200		6131320
Kemppi Pro Evolution 4200		6131420
Kemppi Pro Evolution 5200		6131520
Control panels		
PL-operation panel		6185801
PX-operation panel		6185802
Remote control unit R 10	1-knob, 5 m	6185409
Transport unit T 10		6185231
Remote control cable	10 m	6185481
Earthing and welding cables when requested		



Control panels

The Kemppi Pro Evolution control panels for MMA welding contain many useful functions resulting in easier and more efficient welding.

PL control panel functions

- Display of welding parameters
- Control of welding current
- Arc dynamics control



PX control panel functions

- Display of welding parameters
- Control of welding current
- Arc dynamics control
- Method selection: tack welding, MMA welding, or carbon arc gouging