



Special symbols

-  4-roll wire drive
-  Water cooling option
-  Direct and pulsed current output
-  Alternating, direct and pulsed current output
-  Constant voltage output
-  Constant current and constant voltage output
-  Requires single phase supply
-  Multi-voltage unit
-  2-roll wire drive
-  Energy efficient compared to alternative product options
-  Supply frequency
-  Constant current output
-  Requires three phase supply



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MinarcMig Evo 170/200

An adaptive tool for the mobile welder



Energy efficient

Technical specifications

MinarcMig Evo	170	200
Connection voltage	1~, 50/60 Hz 230 V (± 15 %)	230 V (± 15 %)
Connection voltage (AU)	1~, 50/60 Hz 240 V (± 15 %)	240 V (± 15 %)
Rated power at max. current	35 % ED 170 A/4.8 kVA	200 A/6.2 kVA
Supply current	35 % ED I _{lmax}	20,3 A
	100 % ED I _{leff}	10,1 A
Connection cable	H07RN-F	3G1.5 (1.5 mm ² , 3 m)
		3G1.5 (1.5 mm ² , 3 m)
Fuse	type C	16 A
		16 A
Output 40 °C	35% ED	170 A/24 V
	60% ED	140 A/21 V
	100% ED	100 A/20 V
Welding range	20 A/15 V – 170 A/ 24 V	20 A/15 V – 200 A/ 26 V
	No-load voltage	74 V
Idle power	12 W fan off, 21 W fan on	12 W fan off, 26 W fan on
	Voltage steps	0.1 V
Power factor at max. current	0.99	0.99
Efficiency at 100 % ED	80 %	82 %
Filler wires ø	Fe solid wire	0.6...1.0 mm
	Fe cored wire	0.8...1.0 mm
	Ss	0.8...1.0 mm
	Al	1.0 mm
	CuSi	0.8...1.0 mm
Wire feed speed adjustment range	1...12 m/min	1...13 m/min
Wire spool	max. ø	200 mm / 5 kg
Shielding gases	CO ₂ , Ar + CO ₂ mixed	CO ₂ , Ar, Ar + CO ₂ mixed
External dimensions	L x W x H	450 x 227 x 368 mm
Weight (incl. gun and cables 3.0 kg)	13 kg	13 kg
Temperature class	F (155 °C)	F (155 °C)
EMC class	A	A
Degree of protection	IP23S	IP23S
Operating temperature range	-20...+40 °C	-20...+40 °C
Storage temperature range	-40...+60 °C	-40...+60 °C
Standards:	IEC 60974-1, IEC 60974-5, IEC 60974-10, IEC 61000-3-12	

KempactRA

Switch on the new standard



Technical specifications

Kempact	181A	251R, 251A
Connection voltage	230V (±15 %) - 1~, 50/60 Hz	240V (±15 %) - 1~, 50/60 Hz
Rated power at max. current	5 kVA - 50 % ED I _{lmax} (180 A)	8.5 kVA - 30 % ED I _{lmax} (250 A)
Supply current	22 A - 50 % ED I _{lmax} (180 A)	36 A - 30 % ED I _{lmax} (250 A)
	16 A - 100 % ED I _{leff} (140 A)	17 A - 100 % ED I _{leff} (150 A)
Connection cable (H07RN-F)	3G1.5 (1.5 mm ² , 5 m)	3G2.5 (2.5 mm ² , 5 m)
Fuse (Type C)	16 A	20 A
Welding range	10V / 20 A – 26 V / 180 A	10V / 20 A – 29 V / 250 A
Power factor at max.	0.99 - 180 A / 23 V	0.99 - 250 A / 26.5V
Efficiency at 100% ED	0.82 - 140 A / 21 V	0.82 - 150 A / 21.5 V
Wire feed speed adjustment range	1.0-14.0 m/min	1.0-18.0m/min
Voltage adjustment range	8.0-26.0V	8.0-29.0V
External dimensions (L x W x H)	623 x 579 x 1070 mm	623 x 579 x 1070 mm
Weight (without gun and cables)	44 kg	44 kg
EMC class	A	A
Standards:	IEC 60974-1, IEC 60974-5, IEC 60974-10, IEC 61000-3-12	

Kempact	253R, 253A	323R, 323A
Connection voltage	400V (±15 %) - 3~, 50/60 Hz	400V (±15 %) - 3~, 50/60 Hz
Rated power at max. current	8.5 kVA - 40 % ED I _{lmax} (250 A)	12 kVA - 35 % ED I _{lmax} (320 A)
Supply current	11.9 A - 40 % ED I _{lmax} (250 A)	17.2 A - 35 % ED I _{lmax} (320 A)
	6.1 A - 100 % ED I _{leff} (150 A)	8.2 A - 100 % ED I _{leff} (190 A)
Connection cable (H07RN-F)	4G1.5 (1.5 mm ² , 5 m)	4G1.5 (1.5 mm ² , 5 m)
Fuse (Type C)	10A	10A
Welding range	10V / 20 A – 31 V / 250 A	10V / 20 A – 32.5 V / 320 A
Power factor at max.	0.93 - 250 A / 26.5V	0.94 - 320 A / 30 V
Efficiency at 100% ED	0.88 - 150 A / 21.5 V	0.86 - 190 A / 23.5 V
Wire feed speed adjustment range	1.0-18.0m/min	1.0-20.0m/min
Voltage adjustment range	8.0-31.0V	8.0-32.5V
External dimensions (L x W x H)	623 x 579 x 1070 mm	623 x 579 x 1070 mm
Weight (without gun and cables)	44 kg	44 kg
EMC class	A	A
Standards:	IEC 60974-1, IEC 60974-5, IEC 60974-10	