

ZETA 40 | 60 | 100



MIGATRONIC

Zeta cuts through: precise cuts and portable user advantages

Robust and portable plasma cutting

The Migatronic Zeta plasma cutters featuring automatic control of the cutting and gouging processes are designed for both workshop use and site repairs. Inverter technology combined with simplicity of operation ensures precise handling of the plasma cutting process in all conductive metals and metal alloys.

The Zeta machines can be connected to existing compressors and are prepared for use with generators.



Simplicity of operation and functional design

The control panel is easily operated. Once the amperage is adjusted according to plate thickness, the Zeta 40, 60 and 100 are ready for cutting. The Zeta 100 can also be used for fine-gouging, a process for detecting lack of fusion after welding. The plasma arc is ignited automatically via the pilot arc which means contact-free ignition and longer service life of wear parts in the torch body.

Optimal cutting economy

The Zeta machines use only compressed air as plasma gas and can be connected to your compressed-air plant. The machines feature power-saving standby functions for optimal cutting and operating economy.

Plate thickness decides choice of machine

The mono-phase Zeta 40 performs quality cuts in up to 8 mm plate thicknesses. The three-phase Zeta 60 and Zeta 100 perform quality cuts in up to 12 and 25 mm plates respectively. In case of

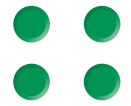
dividing cuts where no special demands are made on the quality of the cuts, the plate thickness can be increased by up to 50%. See next page for cutting performances.

Also suitable for punched plate cutting

All three Zeta machines make it easy to use plasma technology for cutting in perforated or punched plates. With just one push on a button, the machine is ready for punched plate cutting; a unique standard function in all Zeta machines.



Mono-phase and three-phase plasma cutting with simplicity of operation and optimal cutting economy



Zeta 40



Zeta 60



Zeta 100
on trolley (optional
equipment, art. no.
78857044/78857045)

CUTTING PERFORMANCE

Please regard the table as a guideline for choice of nozzle size compared with maximum plate thickness for cutting in mild steel. In case of cutting in other materials, the possible cutting capacity and cutting speed are reduced.

	0 mm	10 mm	20 mm	30 mm	40 mm
ZETA 40					
0.9 mm nozzle	Expected quality cut	Dividing cut with reduced quality			
1.0 mm nozzle	Expected quality cut	Dividing cut with reduced quality			
1.1 mm nozzle		Expected quality cut	Dividing cut with reduced quality		
ZETA 60					
0.9 mm nozzle	Expected quality cut	Dividing cut with reduced quality			
1.0 mm nozzle	Expected quality cut	Dividing cut with reduced quality			
1.1 mm nozzle		Expected quality cut	Dividing cut with reduced quality		
1.2 mm nozzle		Expected quality cut	Dividing cut with reduced quality		
ZETA 100					
0.9 mm nozzle	Expected quality cut	Dividing cut with reduced quality			
1.0 mm nozzle	Expected quality cut	Dividing cut with reduced quality			
1.1 mm nozzle		Expected quality cut	Dividing cut with reduced quality		
1.2 mm nozzle		Expected quality cut	Dividing cut with reduced quality		
1.4 mm nozzle		Expected quality cut	Dividing cut with reduced quality		
1.5 mm nozzle		Expected quality cut	Dividing cut with reduced quality		
1.6 mm nozzle		Expected quality cut	Dividing cut with reduced quality		

Expected quality cut
 Dividing cut with reduced quality

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The large range of accessories includes kit for high-precision circle cutting. (Art. no. 80600200)



Zeta features

- Three currents - three machine versions
- Matches all patterns of use
- Portable and robust
- Plasma fine-gouging (Zeta 100)
- Various nozzle sizes for high-quality cuts
- Circle cutting device and roller guide
- Trolley (Zeta 100)

POWER SOURCE	ZETA 40	ZETA 60	ZETA 100
Mains voltage	1 x 230 V	3 x 400 V	3 x 400 V
Fuse (PFC)	16 A	10 A	20 A
Current range	20-45 A	20-60 A	20-100 A
Duty cycle 40°C 100%	35 A	40 A	75 A
Duty cycle 40°C 60%	40 A	50 A	85 A
Duty cycle 40°C 40%	45 A	60 A	100 A
Protection class	IP 23	IP 23	IP 23
Open circuit voltage	225 V	241 V	248 V
Pressure, air	4-6 bar	4-6 bar	4-6 bar
Consumption l/min.	100-160	100-160	100-160
Quality cut, mm	< 8	< 12	< 25
Dividing cut, max., mm	< 12	< 18	< 35
Dimensions H x W x L, mm	360 x 220 x 570	360 x 220 x 570	405 x 345 x 675
Weight, kg	26	27	36

We reserve the right to make changes.

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