



ZETA THREE-PHASE PLASMA CUTTERS FOR EASE OF OPERATION AND OPTIMAL CUTTING ECONOMY

Zeta 60-100 are portable and user-friendly three-phase plasma cutters in robust cabinets – designed for workshop use and site repairs. The machines are applicable for cutting in all conductive metals and metal alloys.



ZETA 60-100 PLASMA CUTTERS

OPTIONAL EQUIPMENT

- Circle cutting device and roller guide
- Trolley (Zeta 100)
- Various nozzle sizes for high-quality cuts

A user-friendly control panel makes it easy to control the plasma cutting process. Once you have set the process and amperage according to plate thickness, the machine is ready for cutting. The Zeta plasma cutters use only compressed air as plasma gas and can be connected to your compressed air plant. The machines can be used with a generator as power source and feature power-saving standby functions for optimal cutting and operating economy. The plasma arc is ignited automatically via the pilot arc; this means longer service life of wear parts in the torch body.

FINE GOUGING WITH ZETA 100

Zeta 100 is prepared for fine gouging; a process for detecting lack of fusion after welding.

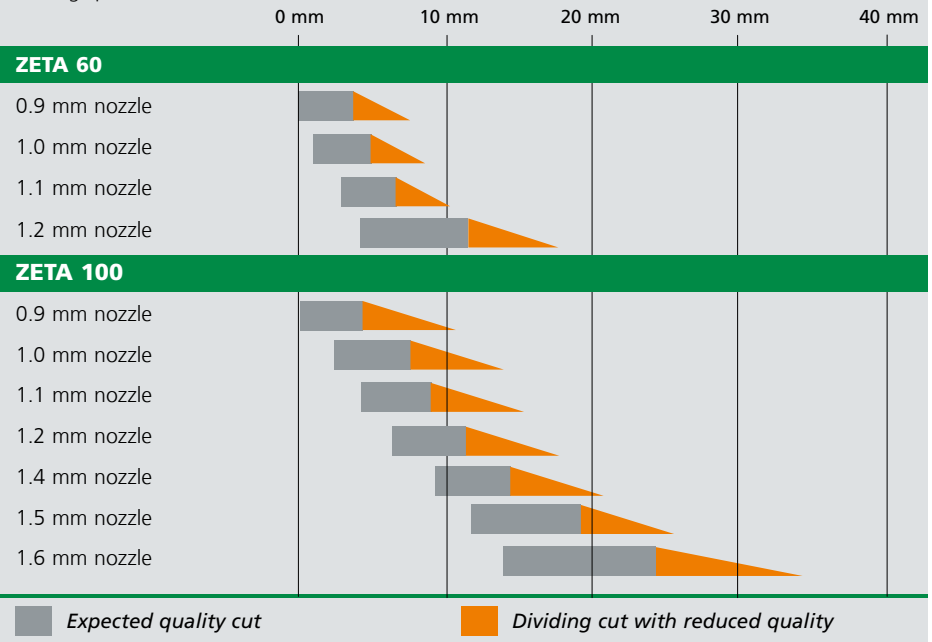
Plate thickness decides choice of machine. The Zeta 60 and Zeta 100 perform quality cuts in up to 12 mm and 25 mm plates respectively. In case of dividing cuts where no special demands are made on the quality of cuts, the plate thickness can be increased by up to 50%. For cutting performance, please refer to the table.

We reserve the right to make changes.

POWER SOURCE	ZETA 60	ZETA 100 // ZETA 100 AUTOMAT
Mains voltage, V	3x400	3x400
Mains voltage auto transformer, +/- 15 %, V	3x230-500	3x230. 3x400. 3x440. 3x500
Fuse, A	10	20
Current range, A/V-A/V	20/88-60/104	20/88-100/120
Duty cycle 100%/40°C, A/V	40/96	75/110
Duty cycle 60%/40°C, A/V	50/100	85/114
Duty cycle max./40°C, A/%/V	60/40/104	100/40/120
Efficiency rate	0.9	0.8
Open circuit voltage, V	241	248
Quality cut, mm	<12	<25
Dividing cut, max., mm	<18	<35
Protection class	IP 23	IP 23
Norm	EN/IEC60974-1.	EN/IEC60974-10
Dimensions (H x W x L), mm	360x220x570	405x345x675
Weight, kg	27	36 (6 m)/39 (15 m)

CUTTING PERFORMANCE

This table recommends guidelines 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.



PUNCHED PLATE CUTTING IS A STANDARD FUNCTION

By simply pressing the appropriate button,

the Zeta machines are ready for cutting in perforated or punched plates.

MANUAL CUTTING

The Zeta 100 for manual cutting is supplied with a torch with 6 m hose or, if a larger operating range is required, a torch with 15 m hose.

AUTOMATED CUTTING

The Zeta 100 for automated cutting is supplied with an automatic torch with 6 m hose and remote control outlet. This variant with built-in Arc Detect signal is controllable from automated machines and turntables for automation of the cutting process.

Svejemaskinefabrikken Migatronik A/S

Aggersundvej 33
DK-9690 Fjerritslev, Denmark
Tel: (+45) 96 500 600
Telefax: (+45) 96 500 601
migatronik.com

