



Smart Plasmarc™ 200

m2 Plasma Technology

- Multi-gas, 200 amp plasma system for heavy-duty mechanized cutting applications
- High cutting speeds for high productivity
- Optimized cut quality for fewer secondary operations
- Simple and intuitive operator controls
- Reliable performance across a range of material types and thicknesses



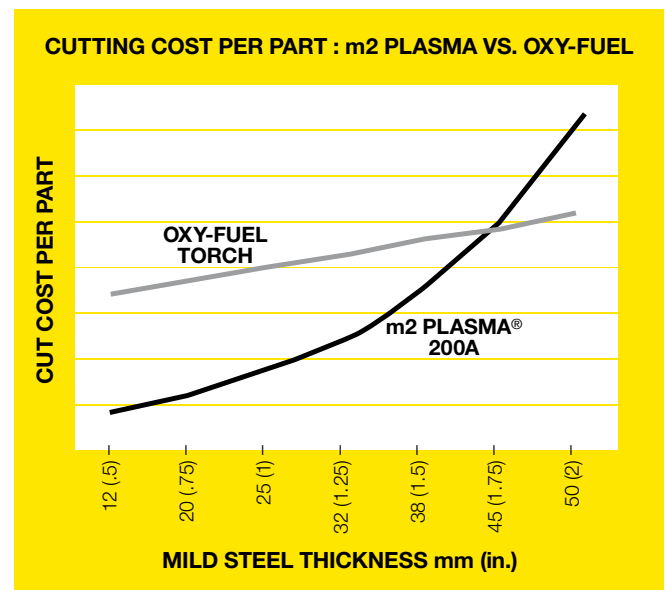
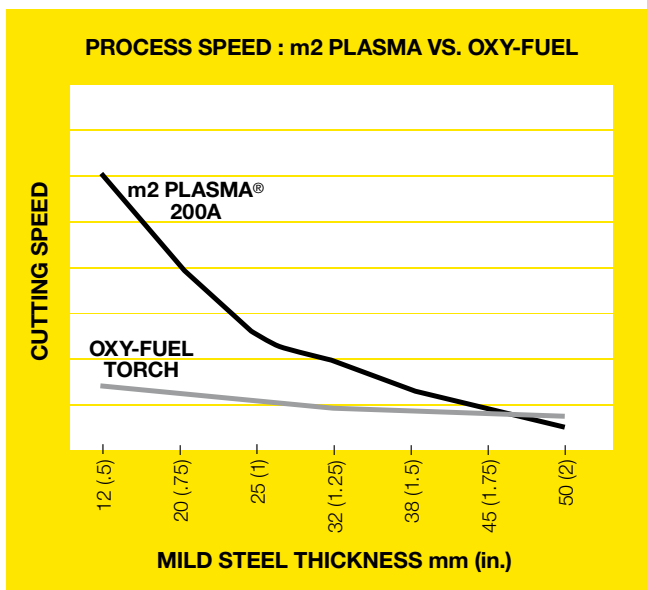
High Productivity Piercing and Cutting

ESAB's 200 Amp plasma system delivers high productivity piercing and cutting in a variety of material types and thicknesses. High cutting speeds result in more parts per hour. When compared to oxy-fuel, ESAB's m200 plasma system cuts more than four times faster in 12 mm (1/2 in.) mild steel. Quick setups and process changes also maximize productivity.

Lower Cost Per Part

High cutting speeds, electrical efficiency, exceptional consumable life and low gas costs result in a lower cost per part. High cut quality with minimal dross, reduced warping and a small heat-affected zone results in fewer secondary operations further reducing the overall costs of production.

Use air plasma gas for the lowest possible cost per part, choose oxygen or nitrogen when the application demands higher cut quality.



Fast Cutting Speeds For Top Productivity

- More than 4 times faster than oxy-fuel on 12 mm (1/2 in.) mild steel
- More than twice as fast as oxy-fuel on 25 mm (1 in.) mild steel

Lower Cost Of Operation

- 69% lower cost per part than oxy-fuel in 12 mm (1/2 in.) mild steel
- 56% lower cost per part than oxy-fuel in 25 mm (1 in.) mild steel

Cutting Data

Material	Plasma/Shield Gases	Current (Amps)	Thickness (mm)	Approximate Cutting Speed (mm/min)	Thickness (in.)	Approximate Cutting Speed (ipm)
Mild Steel	Air-Air	45	1	9020	24 ga	355
			3	4060	1/8	160
			6	1520	1/4	60
	Air-Air	130	3	5590	10 ga	220
			10	2670	3/8	105
			25	410	1	16
	Air-Air	200	6	4830	1/4	190
			12	2670	1/2	105
			20	1650	3/4	65
			25	890	1	35
			38	510	1 1/2	20
			50	200	2	8
	O ₂ -Air	130	3	6100	1/8	240
			10	2790	3/8	110
			25	510	1	20
	O ₂ -Air	200	38	250	1 1/2	10
			5	6690	3/16	275
			12	3050	1/2	120
25			1270	1	50	
32			970	1 1/2	25	
50		280	2	11		
Stainless Steel	Air-Air	200	5	6100	3/16	240
			20	1525	3/4	60
			50	200	2	8
	N ₂ -N ₂	200	6	4190	1/4	165
			12	1780	1/2	80
			25	760	1	30
Aluminum	N ₂ -N ₂	200	6	3180	1/4	125
			20	1020	3/4	40
			38	380	1 1/2	15

Easy to Use & Easy to Install

This plasma system is inherently easy to operate. A built-in process database features optimized cutting parameters that help ensure consistent cutting results. Parameters are selected and controlled in one easy step. Simple and intuitive operator controls reduce the need for operator training, minimize errors and shorten setup time. Advanced diagnostics simplify troubleshooting and maintenance. The system is built to be quick and easy to install, allowing for immediate productivity gains.

Superior Reliability

A full 100 percent duty cycle enables the system to handle the most demanding production requirements with the highest reliability. Reliable performance is also assured with a proven power supply design and heavy-duty fluid cooled cutting torch. ESAB's design requires fewer wear parts than similar plasma torches, reducing parts inventory and handling, thus saving time and expense. ESAB's innovative torch geometry ensures consistent cut quality and a long service life.

Specifications

Input Voltages	200/230/460VAC 3-PH, 60 Hz, 115/96/50 A 380/400VAC, CCC, 3-PH, 50 Hz, 60/57 A 400VAC, CE, 3-PH, 50 Hz, 57 A 575VAC, 3-PH, 60 Hz, 43 A
Open Circuit Voltage	342 - 366 VDC
Rated Output Voltage	160 VDC
Maximum Output Current	200 A
Duty Cycle Rating	100% @ 32 KW at 40 C
Power Factor	90%
Dimensions	1035 x 603 x 1200 mm
Weight	200/230/380/460V models: 427 kg 400V CE model: 434 kg 575V model: 492 kg
Plasma Gases	Air, O ₂ or N ₂
Shield Gases	Air or N ₂
Gas Pressures	Air: 5.9 bar (85 psi), O ₂ & N ₂ : 8.6 bar (125 psi)
Gas Combinations	Air-Air, O ₂ -Air, N ₂ -N ₂



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COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV
= ISO 9001 =
= ISO 14001 =
= OHSAS 18001 =