

ESAB Cutmaster 80

Industrial hand plasma equipment



The ESAB Cutmaster 80 weighs in at a mere 19.5 kg while still offering superior cutting power. Don't let the size of this unit fool you, it's more than capable of cutting 25mm (1") with a maximum capability of 38mm (1-1/2"). This unit, like all other TRUE™ ESAB Cutmasters, is equipped with the 1Torch®. Packages include power source, SL60 1Torch, spare parts kit, air filter/regulator, work cable and clamp and power cable.

- True Cut™ – 25mm (1")
- Quick Disconnect Torch for easy maintenance or machine torch conversion
- Auto-Restrike on mesh or expanded metal for maximum productivity
- True-Guard™ roll bar for ultimate protection
- TD Surelok® technology for better quality cuts and longer parts life

Industry

- Heavy Fabrication
- Farm and Ranch
- Construction
- Manufacturing
- Structural Steel
- Rental Fleets
- Pipe and Pipelines
- Mining
- Steel Service Centers



Specifications / Technical data

Recommended Cut	25mm
Maximum Cut	38mm
Pierce Rating	15mm
Max Amperage Output	80A
Output Power	9 kW
Dimensions	305 mm x 381 mm x 610 mm
Weight	19.5 kg
Torch Air pressure	5.2 bar
Torch Air consumption	190 l/m
Input voltage	400v +- 10% -3ph 50/60 Hz
Duty Cycle	40% @ 80A, 400V 3 ph
Amperage Draw	400V 3 ph, 20A

Ordering Information –

Description	Part Number
ESAB Cutmaster 80 6.1m SL60 400V 3ph	0559113303
ESAB Cutmaster 80 15.2m SL60 400V 3ph	0559113313

Options & Accessories

Description	Part Number
Spare Parts Kit (80A)	5-2555
Circle Cutting Guide Deluxe	7-8910
Circle Cutting Guide kit	7-3291
Raduis roller cutting guide kit	7-7501
Straight Line Cutting Guide	7-8911
Stand off cutting guide 40A	9-8251
Stand off cutting guide 60-120A	9-8281
Trigger guard	9-8420
Leather Lead Covers 6.1 m	9-1260
Leather Lead Covers 15.2 m	9-1280
Remote Pendent Control	7-3460
Hand Pendant Extention	7-7744
ATC 1Torch Lead Extension 4.6 m	7-7544
ATC 1Torch Lead Extension 7.6 m	7-7545
ATC 1Torch Lead Extension 15.2 m	7-7552
Single Stage Air Filter Kit	7-7507
Two Stage Air Filter	9-9387
Multi-Purpose Cart	7-8888
ATC ® 1Torch® SL 60 75° 6.1M	7-5204
ATC ® 1Torch® SL 60 90° 6.1M	7-5260

Note: All Spare Parts Kits include ten (10) Tips, five (5) Electrodes and one (1) Start Cartridge.

Ordering Information – Wear and Spare Parts

1Torch consumables	Part Number
Electrode	9-8215
Start Cartridge	9-8213
Start Cartridge – Heavy Duty	9-8277
Tip – Drag (60A)	9-8252
Tip – Standoff (80A)	9-8211
Tip – Gouging B (50-100A)	9-8226
Tip – Gouging C (60-120A)	9-8227
Tip – Gouging D (60-120A)	9-8228
Shield Cup	9-8218
Shield Cup Max Life	9-8237
Shield Cap (Drag only)	9-8236
Deflector	9-8243
Shield Cap - Gouging	9-8241

Gouging Profiles				
	Output Range	Depth	Width	Profile
Tip A	40 Amps (MAX)	Shallow	Narrow	
Tip B	50-100 Amps	Deep	Narrow	
Tip C	60-120 Amps	Moderate	Moderate	
Tip D	60-120 Amps	Shallow	Wide	
Tip E	120 Amps	Moderate	Wide	

Gouging profile chart for choosing the right gouging tip based on your application



XA00175426/ 2015-02-02/ ESAB reserves the right to alter specifications without prior notice



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