TD Cutmaster 60i

Highest power-to-weight ratio in its class

THERMAL DYNAMICS.
AN ESAB BRAND

The Cutmaster® 60i with SL60QD™ 1Torch® is the perfect combination of end-user insight, advanced technology, and intelligent design. Packed with power and offering the highest power-to-weight ratio in its class, the Cutmaster 60i with SL60QD 1Torch also has best in class cutting arc length and the most empowering and engaging user experience no matter the application. Cutmaster MechPak is also available for easy integration into semi-automatic cutting processes.

- Built for portability and durability with the integralmulti-handle design, available in either a 1 phaseor 3 phase unit
- 50% Duty Cycle at 60A with automatic multi-voltage detection from 208-480V
- Industrial SL60QD 1Torch quick disconnect with ATC® (Advanced Torch Connector) allowing selective replacement of either the torch handle assembly or the torch leads, using the patented SureLok® technology
- Up to 3/4 in. (20 mm) recommended cut capacity with maximum sever of 1-1/2 in. (38 mm) and 3/4 in. (20 mm) pierce capability
- High-visibility, oversized display with gas optimizer technology and consumables end-of-life indicator, makes setup and usage simple and productive
- Cutmaster Black Series electrode included for up to 60% longer life of consumable parts
- Industry leading 4-year warranty on power supply and 1-year warranty on torch

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Industry

- Agricultural Equipment
- Automotive Bodies
- Civil Construction
- General Manufacturing
- HVAC
- Repair and Maintenance

TD Cutmaster 60i

Specifications	
Input Voltage	400 ± 10% VAC 3 ph 50/60 Hz
Amperage Draw	13.2A @ 400V 3 Phase
Output Current AC	Continuously adjustable 10 - 60A
Output Rating	60 A @ 50% duty cycle 50 A @ 60% duty cycle 40 A @ 100% duty cycle
Pierces	20 mm
Recommended Cut	20 mm
Severs Manual	38 mm
Gas Flow	142-235
Gas Pressure	6.2-8.6 bar
Operating Temperature	0 - 50 °C (32 - 122 °F)
Gas Requirements	Compressed Air
Open Circuit VAC High	300 VAC
Weight	16.8 kg (37 lb)
Dimensions	536 x 199 x 593 mm (21.12 x 7.85 x 14.15 in.)

Ordering Information	
TD Cutmaster 60i, 400V, 3ph, 6.1 m (20 ft) SL60 QD (non-CE)	1-5630-3
TD Cutmaster 60i, 400V, 3ph, 15.2 m (50 ft) SL60 QD (non-CE)	1-5631-3
TD Cutmaster 60i, 400V, 3ph, Power Supply Only (non-CE)	3-5630-3
TD Cutmaster 60i, 400V, 3ph, 6.1 m (20 ft) SL60 QD (CCC)	1-5630-3C
TD Cutmaster 60i, 400V, 3ph, 15.2 m (50 ft) SL60 QD (CCC)	1-5631-3C
TD Cutmaster 60i, 400V, 3ph, Power Supply Only (CCC)	3-5630-3C
TD Cutmaster 60i, 400V, 3ph, 6.1 m (20 ft) SL60 QD (CE)	1-5630-4
TD Cutmaster 60i, 400V, 3ph, 15.2 m (50 ft) SL60 QD (CE)	1-5631-4
TD Cutmaster 60i, 400V, 3ph, Power Supply Only (CE)	3-5630-4
Cutmaster 60i with torch SL60QD 1Torch, cable 6.1 m (20 ft)	0736665
TD Cutmaster 60i, 1 ph with SL60QD 1Torch 20 ft (6.1 m) 75° Head	1-5630-1X
TD Cutmaster 60i, 1 ph with SL60QD 1Torch 50 ft (15.2 m) 75° Head	1-5631-1X
TD Cutmaster 60i, 1 ph Power Supply Only	3-5630-1X
TD Cutmaster 60i, 3 ph with SL60QD 1Torch 20 ft (6.1 m) 75° Head	1-5630-2X
TD Cutmaster 60i, 3 ph with SL60QD 1Torch 50 ft (15.2 m) 75° Head	1-5631-2X
TD Cutmaster 60i, 3 ph Power Supply Only	3-5630-2X

Options & Accessories	
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
Leather Lead Covers 6.1 m (20 ft)	9-1260
Remote Pendent Control	7-3460
Hand Pendant Extention, 7.6m (25 ft.)	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
SL100 Mechanized Torch 1.5 m (5 ft) 180° Body	7-5213

Options & Accessories	
SL100 Mechanized Torch 3.0 m (10 ft) 180° Body	7-5214
SL100 Mechanized Torch 7.6 m (25 ft) 180° Body	7-5215
SL100 Mechanized Torch 15.2 m (50 ft) 180° Body	7-5216
Filter Wrench	9-9675
Work Cable #8 with Ground Clamp and 50 mm Plug	9-9692
SL60QD Torch and Lead 6.1 m (20 ft) 75° Head	0736061
SL60QD Torch Handle Assembly 75° Head (no leads)	0736064
SL60QD Lead 6.1 m (20 ft)	0736065
ATC® 1Torch® SL 60 75° 6.1M	0730837
SL100 Mechanized Torch 7.6 m (25 ft) 180° Body	0731794
Shield Cup	0730820
SL100 Mechanized Torch 15.2 m (50 ft) 180° Body	0730971
Start Cartridge	0730804
Tip – Standoff (60A)	0730825
Tip – Gouging A (40A)	0730832
Tip – Gouging B (50-100A)	0730833
Tip – Gouging C (60-120A)	0730834
Tip – Gouging D (60-120A)	0730835
Shield Cap - Gouging	0730836
Shield Cap (Drag only)	0730826
Tip – Drag (60A)	0731678
Deflector for protective nozzle	0731676
Torch SL60QD with 15.2 m (50 ft) cable and 75 ° head	0736819
Starter cartridge	0730805
Separation guide	0730827
Maximum protection cup	0730809
Cutmaster Black Series Consumable Kit	5-0060
SL60QD Torch and Lead 20 ft (6.1 m) 75° Head	7-5620
SL60QD Torch and Lead 50 ft (15.2 m) 75° Head	7-5650
SL60QD Torch Handle Assembly 75° Head (no leads)	7-5681
SL60QD Lead 20 ft (6.1 m)	4-5620
SL60QD Lead 50 ft (15.2 m)	4-5650
Cutmaster MechPak, 25 ft (7.6 m)	7-7725
Cutmaster MechPak, 50 ft (15.2 m)	7-7750
Cutmaster Black Series Wear Parts Kit	5-0061