

**CUTMASTER® 42****CUTMASTER 52****CUTMASTER 82****CUTMASTER 102****CUTMASTER 152****System**

Cut Capacity	Recommended	1/4" (6 mm)	1/2" (12 mm)	3/4" (20 mm)	1" (25 mm)	1 1/4" (30 mm)
	Maximum	5/8" (15 mm)	1 1/8" (30 mm)	1 1/2" (40 mm)	1 3/4" (45 mm)	2" (50 mm)
	Pierce	1/4" (6 mm)	1/2" (12 mm)	5/8" (15 mm)	3/4" (20 mm)	1" (25 mm)
Output Current		40A	60A	80A	100A	120A
Input Power		120/230V 1 phase 50/60Hz	208/230-460V 1/3 phase 50/60Hz 400V 3 phase 50Hz 600V 3 phase 50/60Hz	208/230-460V 1/3 phase 50/60Hz 400V 3 phase 50Hz 600V 3 phase 50/60Hz	208/230-460V 1/3 phase 50/60Hz 400V 3 phase 50Hz 600V 3 phase 50/60Hz	208/230-460V 1/3 phase 50/60Hz 400V 3 phase 50Hz 600V 3 phase 50/60Hz
Work Cable		15 ft (4.5 m)	20 ft (6.1 m)	20 ft (6.1 m)	20 ft (6.1 m)	20 ft (6.1 m)
Duty Cycle		40% @ 40A	40% @ 60A 60% @ 50A 100% @ 30A	40% @ 80A 60% @ 65A 100% @ 55A	60% @ 100A 80% @ 80A 100% @ 70A	80% @ 120A 100% @ 110A
Dimensions		9" x 7" x 18.5" (228 mm x 117 mm x 470 mm)	15" x 12" x 24" (381 mm x 305 mm x 610 mm)	15" x 12" x 24" (381 mm x 305 mm x 610 mm)	15" x 12" x 30" (381 mm x 305 mm x 762 mm)	15" x 12" x 30" (381 mm x 305 mm x 762 mm)
Weight		26 lbs. (11.8 kg)	43 lbs. (19.5 kg)	43 lbs. (19.5 kg)	62 lbs. (29.1 kg)	62 lbs. (29.1 kg)
Ship Weight		57 lbs. (25.9 kg)	58 lbs. (26.3 kg)	58 lbs. (26.3 kg)	77 lbs. (34.9 kg)	77 lbs. (34.9 kg)

Torch

Model	SL40™ - Hand	SL60® - Hand SL100® - Automation & Mechanized	SL60 - Hand SL100 - Automation & Mechanized	SL100 - Hand, Automation, & Mechanized	SL100 - Hand, Automation, & Mechanized
Lead Length	15 ft (4.5 m) Manual	20 / 50 ft (6.1 / 15.2 m) Manual 25 / 50 (7.6 / 15.2 m) Automated	20 / 50 ft (6.1 / 15.2 m) Manual 25 / 50 ft (7.6 / 15.2 m) Automated	20 / 50 ft (6.1 / 15.2 m) Manual 25 / 50 ft (7.6 / 15.2 m) Automated	20 / 50 ft (6.1 / 15.2 m) Manual 25 / 50 ft (7.6 / 15.2 m) Automated
Gas	Air	Air	Air	Air	Air
Gas Pressure	75 psi (5.2 bar)	75 psi (5.2 bar)	70 psi (4.8 bar)	70 psi (4.8 bar)	70 psi (4.8 bar)
Gas Flow	3.2 cfh (91 l/m)	6.7 cfh (190 l/m)	6.7 cfh (190 l/m)	7.5 cfh (212 l/m)	7.5 cfh (212 l/m)
Pilot	Start Cartridge	Start Cartridge	Start Cartridge	Start Cartridge	Start Cartridge

Control

Hand Torch Switch or Hand Pendant Control

Application Information

Suitable Materials	Aluminum, Stainless Steel, Mild Steel				
Typical Applications	HVAC, Home Shop Plumbing, Auto Body Repair	Construction, Maintenance/Repair, Fabrication	Heavy Fabrication, Manufacturing	Heavy Fabrication, Manufacturing	Heavy Fabrication, Manufacturing

CUTMASTER® 42		CUTMASTER 52			CUTMASTER 82			
Voltage Phase	120/230V 1 Phase	Voltage Phase	208/230V 1 Phase	460V 3 Phase	600V 3 Phase	208/230V 1 Phase	460V 3 Phase	600V 3 Phase
Product Description	Catalog Number	Product Description	Catalog Number			Catalog Number		
System		System						
SL40™ Hand Torch 15 ft (4.5 m) Leads	1-4200	SL60® 75° Hand Torch 20 ft (6.1 m) Leads	1-5130-1	1-5130-2	1-5130-5	1-1130-1	1-1130-2	1-1130-5
		SL60 75° Hand Torch 50 ft (15.2 m) Leads	1-5131-1	1-5131-2	1-5131-5	1-1131-1	1-1131-2	1-1131-5
		SL100® 180° Mechanized Torch 25 ft (7.6 m) Leads	1-5132-1	1-5132-2	1-5132-5	1-1132-1	1-1132-2	1-1132-5
		SL100 180° Mechanized Torch 50 ft (15.2 m) Leads	1-5133-1	1-5133-2	1-5133-5	1-1133-1	1-1133-2	1-1133-5
 WHEN YOU NEED IT.			CUTMASTER 102			CUTMASTER 152		
		Voltage Phase	208/230V 1 Phase	460V 3 Phase	600V 3 Phase	208/230V 1 Phase	460V 3 Phase	600V 3 Phase
		Product Description	Catalog Number			Catalog Number		
		System						
		SL100 75° Hand Torch 20 ft (6.1 m) Leads	1-1330-1	1-1330-2	1-1330-5	1-1730-1	1-1730-2	1-1730-5
		SL100 75° Hand Torch 50 ft (15.2 m) Leads	1-1331-1	1-1331-2	1-1331-5	1-1731-1	1-1731-2	1-1731-5
		SL100 180° Mechanized Torch 25 ft (7.6 m) Leads	1-1332-1	1-1332-2	1-1332-5	1-1732-1	1-1732-2	1-1732-5
	SL100 180° Mechanized Torch 50 ft (15.2 m) Leads	1-1333-1	1-1333-2	1-1333-5	1-1733-1	1-1733-2	1-1733-5	

Accessories		
Circle Cutting Guide	7-3291	
Radius / Roller Cutting Guide	7-7501	
Single Stage Air Filter Replacement Air Filter	7-7507 9-7741	
ATC™ Leads Extensions 15 ft (4.6 m) 25 ft (7.6 m) 50 ft (15.2 m)	7-7544 7-7545 7-7552	
Cutting Guide Kit	7-8910	
Straight Line Cutting Guide	7-8911	
Leather Leads Cover 15 ft (4.6 m) 20 ft (6.1 m) 25 ft (7.6 m) 50 ft (15.2 m)	9-1258 9-1260 9-1270 9-1280	
Stand off Guide SL60/SL100 SL40	9-8281 9-0090	
Two Stage Filter 1st Stage Filter 2nd Stage Filter	9-9387 9-1021 9-1022	
Not Shown		
Pinion Assembly	7-2827	
CNC Interface Cable 25 ft / 7.6 m 50 ft / 15.2 m	9-8312 9-8313	



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