

CUTMASTER® 152 Plasma Cutting System

THERMAL DYNAMICS
Professional

1 1/4" (30mm) Recommended Cut - 2" (50mm) Maximum Cut

Competitive Comparison	Thermal Dynamics	Hypertherm®	Miller®	ESAB®
	CUTMASTER 152	Powermax® 1650	Spectrum® 1251	PowerCut® 1500
Max Amperage Output - Amps	120	100	100	90
Min Amperage Output - Amps	25	30	Not Published	20
Output Power - Kw	15.4	16	18.2	Not Published
Recommended Cut - Inches (mm)	1.250 (30)	1.250 (30)	1.125 (32)	1.500 (38)
Max Cut - Inches (mm)	2.000 (50)	1.750 (45)	1.750 (44)	1.750 (45)
Pierce Rating - Inches (mm)	1.000 (25)	Not Published	Not Published	Not Published
Input Voltage	208/230-460V 1/3 PH, 50/60Hz 400V 3 PH, 50 Hz 600V 3 PH, 50/60Hz	200/208/230/ 240/400/480/600V 3PH	187-575V 3 PH, 50/60 Hz	208/230V 1 PH, 50/60 Hz 208/230V 3 PH, 50/60 Hz 230/460V 3 PH, 50/60 Hz
Auto Sensing Input Voltage	No	Yes	Yes	No
Current Draw 1 Phase - (Amps)				
208V	123	NA	NA	87
230V	112	NA	NA	74
460V	56	NA	NA	NA
Current Draw 3 Phase - (Amps)				
208V	62	51	55	44
230V	56	46	49	40
400V	32	27	28	NA
460V	28	22	24	27
600V	21	21	19	NA
Duty Cycle	80% @ 120A 100% @ 100A	60% @ 200-208V 70% @ 230-240V 80% @ 400-600V	40% @ 208V 50% @ 230V 80% @ 380-575V	40% 1 PH @ 90A 60% 3 PH @ 90A
Auto Pilot Restart	Yes	Yes	Auto-Refire™	Yes
Tip Saver Circuit	Yes	No	No	No
Over Voltage Protection	Yes	Yes	Yes	No
Power Factor Correction	No	Yes	Yes	No
Multi Voltage	Yes	Yes	Yes	Yes
Dimensions (H x W x L) - Inches (mm)	15 x 12 x 30 (381 x 305 x 762)	25.8 x 16.8 x 26.4 (655 x 427 x 671)	17.0 x 12.5 x 24 (432 x 318 x 610)	16.5 x 12.5 x 32.5 (419 x 318 x 826)
Weight - lbs (kg)	62 (28.1)	129 (58) (with torch)	97 (44) (with torch)	94 (43) Less Torch and work lead
Torch Model	SL100 (Hand, Mech, Auto)	T-100	ICE-100T	PT-32EH
Air Pressure - psi (bar)	75 (5.2)	75 (5.1) @ 25 ft (7.6)	90 (6.2)	80 (5.5)
Rec Cut Speed - ipm (mm/min)				
1" (25mm)	20 (508)	17 (431)	18 (457)	16 (406)
1 1/4" (30mm)	10 (254)	10 (254)	12 (305)	11 (279)
1 1/2" (40mm)	8 (206)	Not Published	Not Published	7 (178)
Industrial Price	\$4,725	\$5,121	\$4,999	\$3,971
Warranty - Years (Unit/Torch)	4/1	3/1	3/1	3/1

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