

SPIRIT® II PRODUCT COMPARISON



SPIRIT II 150

SPIRIT II 275

SPIRIT II 400

CUT CAPACITY in (mm)			
MILD STEEL -	Production Capacity ⁽¹⁾ Maximum Cutting Capacity ⁽²⁾	1.25 (32) 1.5 (38)	2 (50) 3 (75)
STAINLESS STEEL -	Production Capacity ⁽¹⁾ Maximum Cutting Capacity ⁽²⁾	3/4 (20) 3/4 (20)	1.5 (38) 2 (50)
ALUMINUM -	Production Capacity ⁽¹⁾ Maximum Cutting Capacity ⁽²⁾	3/4 (20) 3/4 (20)	1.5 (38) 1.5 (38)
CUT SPEED in (mm)			
ipm (mm/min) @ Rated Output Current		1/2 (12) 90 (2485)	1/2 (12) 160 (4205)
CUT QUALITY - ISO 9013 Range⁽³⁾		2-4	2-5
PROCESS AMPS		30-150	30-400
VOLTAGE (VDC)			
OPEN CIRCUIT		300	370
OUTPUT		170	200
CUTTING GAS (Plasma/Shield)		Oxygen/Air, Oxygen/Oxygen	
MILD STEEL -		Air/Air, Air/Nitrogen, H17/Nitrogen, Nitrogen/Air	
STAINLESS STEEL -		Air/Nitrogen, Nitrogen/Air	
ALUMINUM -		Argon, Nitrogen	
MARKING GAS		Argon, Nitrogen	
WEIGHT lb [kg]			
POWER SUPPLY (PS) -		953 (432)	1922 (872)
AUTOMATIC GAS CONSOLE (AGC) -		53 (24)	53 (24)
MANUAL GAS CONSOLE (MGC) -		43 (19.5)	43 (19.5)
PLASMA CONSOLE (PC) -		10 (4.5)	10 (4.5)
DIMENSIONS in (mm)			
POWER SUPPLY (PS) -		29x38.4x43.2 (737x975x1097)	34.2x39.9x49.5 (869x1013x1257)
AUTOMATIC GAS CONSOLE (AGC) -		12x12.4x13.7 (305x315x348)	12x12.4x13.7 (305x315x348)
MANUAL GAS CONSOLE (MGC) -		12x12.4x13.7 (305x315x348)	12x12.4x13.7 (305x315x348)
PLASMA CONSOLE (PC) -		13.4x9.2x3.2 (340x234x81)	13.4x9.2x3.2 (340x234x81)
COOLING TOWER (CT) -		-	23x36x15.8 (584x914x401)



MANUAL GAS CONSOLE (MGC)



AUTOMATIC GAS CONSOLE (AGC) WITH PLASMA CONSOLE (PC)

⁽¹⁾ Material type and composition can influence dross free performance, ⁽²⁾ Maximum capacity pierce requires the use of precision torch height control, ⁽³⁾ For thermally cut parts, cut quality is defined by the ISO 9013 standards. The lower the range, the smaller the cut angle on the cut face. Cut angle in ISO range 2 is better than ISO range 3.

