FLEXCUT® 35 AIR CE - TECHNICAL SPECIFICATIONS

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FLEXCUT® 35 AIR CE	**K14451-1**
INPUT	
Input Voltage U_1	120V±15% Single Phase
	230V±15% Single Phase
Frequency	50Hz / 60Hz
EMC Class	A
Input Power at Rated Cycle (U_1=120V) / PF	1,8 kW @ 100% Duty Cycle / 0,99
	1,9 kW @ 60% Duty Cycle / 0,99
	2,4 kW @ 20% Duty Cycle / 099
Input Power at Rated Cycle (U_1=230V) / PF	2,4 kW @ 100% Duty Cycle / 0,99
	3,1 kW @ 60% Duty Cycle / 0,99
	4,1 kW @ 35% Duty Cycle / 0,99
RATED OUTPUT AT 40°C	
Duty Cycle 120V	20% 22 A 88,8 V | 60% 16 A 86,4 V | 100% 15 A 86 V
Duty Cycle 230V	35% 35 A 94 V | 60% 27 A 90,8 V | 100% 21 A 88,4 V
OUTPUT RANGE	
Cutting Current Range 120V	15 ÷ 22 A
Cutting Current Range 230V	15 ÷ 35 A
Maximum Open Circuit Voltage	320Vdc
INPUT CABLE AND RECOMMENDED FUSE SIZE	
Fuse (delayed) or Circuit Breaker	B20 A, B16 A*
Type of Plug (Included with Machine)	250V / 16A
Input Power Cable	3x2.5mm^2
DIMENSIONS AND WEIGHT	
Height	359mm
Width	205mm
Length (case only, without torch)	468mm
Weight	12kg
EXTERNAL INLET COMPRESSED AIR	
Required Inlet Flow Rate	285 ±10% l/min
Required Inlet Pressure	6,2bar – 8,9bar (90-130 psi)
OTHERS	
Protection Rating	IP23S
Operating Temperature	from -10 °C to +40 °C (14°F to 104°F)
Storage Temperature	from -25 °C to 55°C (-13°F to +131°F)

* When the device is connected to a power supply protected by a B16 A circuit breaker, the breaker may trip during cutting operations, depending on various factors such as the distance from the distribution board, supply network impedance, and operator technique. In such cases, the use of a B20 A circuit breaker is recommended (as for operation with an extension cord).

If the B16 A circuit breaker trips, select the appropriate fuse type in the user interface; this may result in a reduction of the maximum output current.