FLEXCUT 45 CE - TECHNICAL SPECIFICATIONS

NAME	INDEX
FLEXCUT® 45 CE	**K14452-1**
INPUT	
Input Voltage U_1	230V±15% 1-phase
	400V±15% 3-phase
Frequency	50Hz / 60Hz
EMC Class	A
Input Power at Rated Cycle (U_1=230V) / PF	3,59 kW @ 100% Duty Cycle / 0,85
	4,8 kW @ 60% Duty Cycle / 0,95
	5,2 kW @ 50% Duty Cycle / 0,85
Input Power at Rated Cycle (U_1=400V) / PF	3,5 kW @ 100% Duty Cycle / 0,95
	4,8 kW @ 60% Duty Cycle / 0,95
	5,1 kW @ 50% Duty Cycle / 0,95
RATED OUTPUT AT 40°C	
Duty Cycle 230V	50% 45 A 98 V | 60% 42 A 96.8 V | 100% 32 A 92,8 V
Duty Cycle 400V	50% 45 A 98 V | 60% 42 A 96.8 V | 100% 32 A 92.8 V
OUTPUT RANGE	
Cutting Current Range 230V	15 – 45A
Cutting Current Range 400V	15 – 45A
Maximum Open Circuit Voltage	320Vdc
INPUT CABLE AND RECOMMENDED FUSE SIZE	
Fuse (delayed) or Circuit Breaker (“D” characteristic) Size	16 A
Input Power Cable	3x2.5mm^2
DIMENSIONS AND WEIGHT	
Height	359mm
Width	205mm
Length (case only, without torch)	468mm
Weight	15kg
EXTERNAL INLET COMPRESSED AIR	
Required Inlet Flow Rate	290 ±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)

GENERAL DESCRIPTION

The FLEXCUT® 45 is a constant current, continuous control plasma cutting power source. It provides superior and reliable starting characteristics, cutting visibility and arc stability. The control system has a safety mechanism to insure that the nozzle and electrode are in place before cutting or gouging. This is extremely important due to the high voltages involved.