FLEXCUT 85 CE - TECHNICAL SPECIFICATIONS

NAME	INDEX
FLEXCUT® 85 CE	**K14454-1**
INPUT	
Input Voltage U_1	230V±15% 3-phase
	400V±15% 3-phase
Frequency	50Hz / 60Hz
EMC Class	A
Input Power at Rated Cycle (U_1=230V) / PF	8 kW @ 100% Duty Cycle / 0,93
	11,2 kW @ 60% Duty Cycle / 0,94
Input Power at Rated Cycle (U_1=400V) / PF	7,9 kW @ 100% Duty Cycle / 0,81
	11 kW @ 60% Duty Cycle / 0,86
RATED OUTPUT AT 40°C	
Duty Cycle 230V	60% 85A 114V | 100% 66A 106,4V
Duty Cycle 400V	60% 85A 114V | 100% 66A 106,4V
OUTPUT RANGE	
Cutting Current Range 230V	25 – 85A
Cutting Current Range 400V	25 – 85A
Maximum Open Circuit Voltage	320Vdc
INPUT CABLE AND RECOMMENDED FUSE SIZE	
Fuse (delayed) or Circuit Breaker (“D” characteristic) Size (U_1=230V)	25 A
Fuse (delayed) or Circuit Breaker (“D” characteristic) Size (U_1=400V)	16 A
Input Power Cable	4x4mm^2
DIMENSIONS AND WEIGHT	
Height	448mm
Width	262mm
Length (case only, without torch)	630mm
Weight	35,5kg
EXTERNAL INLET COMPRESSED AIR	
Required Inlet Flow Rate	305 ±10% l/min
Required Inlet Pressure	6,2bar – 8,9bar (90-130 psi)
OTHERS	
Protection Rating	IP23
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® 85 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.