

FLEXCUT 125 CE - TECHNICAL SPECIFICATIONS

NAME	INDEX
FLEXCUT® 125 CE	K14456-1
INPUT	
Input Voltage U_1	400V±15% 3-phase
Frequency	50Hz / 60Hz
EMC Class	A
Input Power at Rated Cycle ($U_1=400V$) / PF	18,2 kW @ 100% Duty Cycle / 0,93
RATED OUTPUT AT 40°C	
Duty Cycle 400V	100% 125A 130V
OUTPUT RANGE	
Cutting Current Range 400V	30 – 125A
Maximum Open Circuit Voltage	312Vdc
INPUT CABLE AND RECOMMENDED FUSE SIZE	
Fuse (delayed) or Circuit Breaker ("D" characteristic) Size ($U_1=400V$)	32 A
Input Power Cable	4x6mm ²
DIMENSIONS AND WEIGHT	
Height	476mm
Width	293mm
Length (case only, without torch)	691mm
Weight	42kg
EXTERNAL INLET COMPRESSED AIR	
Required Inlet Flow Rate	320 ±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® 125 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.

SELECT PROPER LOCATION

Place the FLEXCUT® 125 where clean, cool air can freely circulate in and out of the side louvers. Dirt, dust or any foreign material that can be drawn into the machine should be kept at a minimum. Failure to observe these precautions can result in excessive operating temperatures and nuisance shutdown of the machine.

A source of clean, dry air or nitrogen must be supplied to the FLEXCUT® 125 when using external air supply. Oil in the air is a severe problem and must be avoided. The supply pressure must be between 90 and 130 psi. Failure to observe these precautions could result in excessive operating temperatures or damage to the torch.