








PMI 160B




Explanation:

PMI 160B	DEVICE TYPE
	Three phase rectifier
IEC 60974-1	The power source complies with requisites and demands of the listed norms.
	Plasma welding
	Qualified for welding in spaces with increased electrical danger.
	Welding current: direct current
U _o	Open circuit voltage – rated value in V
5A/20,2V to 160A/26,6V	Range of performance, minimum and maximum welding current and appropriate working voltage.
X	Duty cycle in %
I ₂	Rated value of the welding current in A
U ₂	Standardised working voltage in V
 3~N 50/60Hz	Mains supply
U ₁	Rated value of the power supply voltage in V
I _{1max}	Maximum rated value of the power supply current
I _{1eff}	Effective value of the maximum power supply current
IP 23	Protection class
	Equipment with CE-markings fulfils the basic requirements of the Low-Voltage and Electromagnetic Compatibility Guideline.
	Application of this symbol on your equipment is confirmation that you must dispose of this equipment in compliance with agreed national procedures. In accordance with European legislation, end of life electrical and electronic equipment subject to disposal must be managed within agreed procedures.

TECHNICAL SPECIFICATIONS
PMI 160B

Supply	
Electricity	
Power connection:	5 x 16 A CEE plug, 2,5mm ²
Supply voltage:	3x400 V+N ± 15%
Supply frequency:	50 / 60 Hz
Supply fuse:	16 A
Max. power consumption:	6,35 kVA
Maximum rated value of the power supply current:	16 A
Effective value of the maximum power supply current:	15,8 A
Cos phi:	0,99
max. welding current (60%ED):	160 A
max. welding current (100%ED):	100 A
Pilot current (100%ED):	15A
Amperage range for plasma welding:	5A ÷ 160A
Amperage range for spot welding:	5A ÷ 160A
Amperage range for TIG-Electrode welding:	5A ÷ 160A
Amperage range for pilot current:	0,5A ÷ 15A
Open circuit voltage pilot inverter:	106V DC
Open circuit voltage main inverter:	85 V DC
Protection class:	IP 23
Sensors and Gas regulator	
Flow rate sensor in the return:	> 0,3 l/min
<u>Without OPTION electronic plasmagas control:</u>	
Gas regulator plasmagas (gas 0):	0.2 ÷ 2.5 l Ar/min inlet pressure: 2,5 bar
Gas regulator (gas1):	2 ÷ 20 l Ar/min inlet pressure: 2,5 bar
<u>With OPTION electronic plasmagas control:</u>	
Electronic plasmagas control (gas 0):	0,1 ÷ 5 l Ar/min inlet pressure: 2,5 bar
Gas regulator (gas1):	2 ÷ 20 l Ar/min inlet pressure: 2,5 bar

Noise	
Continuous sound-pressure level:	< 70 dB (A)
Dimensions	
Length:	653 mm
Width:	309 mm
Height:	605 mm
Total weight:	45 kg

A solid grey horizontal rectangular bar spanning most of the width of the page.