# Profi-Line Plasma Plasma Cutting Unit Avalon 65 AIR

# Avalon 65 AIR with integrated compressor

# Neat and reliable cutting

The air plasma cutting unit Avalon 65 AIR with integrated compressor is your reliable partner for demanding applications. Use the Avalon 65 Air to cut materials up to 35 mm thick.

## Features

- IGBT technology
- with integrated compressor
- Microprocessor control system for excellent and dynamic arc characteristics
- CNC-connection interface
- HF-free arc starting system for increased reliability and low EMF exposure.
- Manual switch to activate the airflow to set the test air pressure without triggering the torch.
- Intelligent protection function protects the plasma torch from damage such as incorrect air pressure, missing consumables, overload of the pilot arc.

Input power(V)3-380/V 400V ±10% /50/60HzRated input current18 ARated input power7,8 KWCurrent adjustment rawer20 A ~ 65 ANo-load voltage20 A ~ 65 ANo-load voltage90% 65ADuty cycle 40°C 10 min90% 65AMax. Cutting thickness90% 65AMax. Cutting thickness54Coper35 mmAluminum225 mmAluminum220 mmCoper14 mmNeasurement (LxWxH)595x250x890 mmProtection class1P23Insulation class11,4 kg	Model		Avalon 65 AIR
Rated input power7,8 KWCurrent adjustment rarge20 A ~ 65 ANo-load voltage20 A ~ 65 ANo-load voltage90% 65ADuty cycle 40°C 10 min90% 65AMax. Cutting thickness90% 65AMax. Cutting thickness-Max. Cutting thickness-Max. Cutting thickness6-steeloptimal cutting thickness6-steelStainless steel35 mmAluminum220 mmCopper414 mmMeasurement (Lx W x H)595x250x890 mmProtection classIP23Insulation classHWeight51,4 kg	Input power(V)		3-380/V 400V ±10% /50/60Hz
Current adjustment rarge20 Å ~ 65 ÅNo-load voltage450 VDuty cycle 40°C 10 mir90% 65Å 100% 61ÅMax. Cutting thickness90% 65Å 100% 61ÅMax. Cutting thickness $< -$ Max. Cutting thickness $< -$ Optimal cutting thicknessC-steelStainless steel $< 25$ mm $< 220$ mm $< 14$ mmMeasurement (Lx W x H)595x250x890 mmProtection class $< 14$ mm $< 123$ Insulation class $< 14$ kg	Rated input current		18 A
No-load voltage450 VNo-load voltage450 VDuty cycle 40°C 10 min90% 65A 100% 61AMax. Cutting thickness-Max. Cutting thickness-optimal cutting thicknessC-steelStainless steel≤25 mmAluminum≤20 mm copperCopper≤14 mmMeasurement (LxWxH)595x250x890 mmProtection classIP23Insulation classHWeight51,4 kg	Rated input power		7,8 KW
Duty cycle 40°C 10 min90% 65A 100% 61AMax. Cutting thickness $-$ Max. Cutting thickness $-$ Max. Cutting thickness $-$ optimal cutting thicknessC-steelStainless steel $\leq 25$ mmAluminum $\leq 20$ mmCopper $\leq 14$ mmMeasurement (LxWxH)595x250x890 mmProtection class $-$ Insulation class $-$ Weight $51,4$ kg	Current adjustment range		20 A ~ 65 A
Max. Cutting thicknessCNC machines-Max. Cutting thicknessMax. Cutting thickness<	No-load voltage		450 V
Max. Cutting thicknessC-steel≤35 mmoptimal cutting thicknessC-steel≤25 mmStainless steel≤25 mmAluminum≤20 mmCopper≤14 mmMeasurement (LxWxH)595x250x890 mmProtection classIP23Insulation classHWeight51,4 kg	Duty cycle 40°C 10 min		
optimal cutting thickness C-steel ≤25 mm   Stainless steel ≤25 mm   Aluminum ≤20 mm   Copper ≤14 mm   Measurement (LxWxH) 595x250x890 mm   Protection class IP23   Insulation class H   Weight 51,4 kg	Max. Cutting thickness on CNC machines		-
thickness Stainless steel ≤25 mm Aluminum ≤20 mm Copper ≤14 mm Measurement (Lx W x H) 595x250x890 mm Protection class IP23 Insulation class I h Weight I for the state of the	Max. Cutting thickness carbon steel		≤35 mm
Stainless steel $\leq 25 \text{ mm}$ Aluminum $\leq 20 \text{ mm}$ Copper $\leq 14 \text{ mm}$ Measurement (Lx W x H)595x250x890 mmProtection classIP23Insulation classHWeight51,4 kg		C-steel	≤25 mm
Copper $\leq$ 14 mmMeasurement (LxWxH)595x250x890 mmProtection classIP23Insulation classHWeight51,4 kg		Stainless steel	≤25 mm
Measurement (Lx W x H)595x250x890 mmProtection classIP23Insulation classHWeight51,4 kg		Aluminum	≤20 mm
Protection classIP23Insulation classHWeight51,4 kg		Copper	≤14 mm
Insulation class H Weight 51,4 kg	Measurement (LxWxH)		595x250x890 mm
Weight 51,4 kg	Protection class		IP23
	Insulation class		Н
	Weight		51,4 kg
Cooling AF	Cooling		AF
Item no. 02.02.10.00064	Item no.		02.02.10.00064



### Scope of delivery: 1 Earth cable 3m

### Optional accessories:

Hand torch PT-60/6m with coaxialcable