

## For Sale

**Stock No: 608**

**Product Name:**

[ESAB LAD 1000 DC Welding Power Source - Constant Voltage](#)

**Model:**

LAD 1000

**Description:**

Suitable for Sub-Arc, ArcAir or Cladding  
1000 amps DC 80% Duty Cycle at 44 Volts  
900 amps at 100% Duty Cycle  
Voltage 3 Phase  
Dimensions 1020mm W x 870mm H x 1500mm

**Options:**

Sub-Arc Heads available PEF controls  
ESAB A6 and A2 welding head with manual slides and flux hoppers

**Link to Photographs:** [608](#)

FULL SPECIFICATION SHEET BELOW

[Welding machines](#)

supplied worldwide by Westermans International with Warranty

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**Permitted load**

LAD 1000: 900 A/44 V continuous  
 1000 A/44 V at 80 % duty cycle  
 LAD 1400: 1250 A/44 V continuous  
 1400 A/44 V at 80 % duty cycle

**Setting range**

LAD 1000: 200 A/18 V – 1000 A/44 V  
 LAD 1400: 200 A/18 V – 1400 A/44 V

**Open circuit voltage**

Coarse setting	LAD 1000	LAD 1400
I	44 V	44 V
II	55 V	55 V
III	66 V	66 V

**Open circuit rating**

LAD 1000: approx. 1400 W  
 LAD 1400: approx. 1700 W

**Efficiency and power factors**

LAD 1000: At 900 A/44 V  
 $\eta=0.82$  and  $\cos \varphi=0.75$   
 LAD 1400: At 1250 A/44 V  
 $\eta=0.81$  and  $\cos \varphi=0.78$

**Ventilating fan**

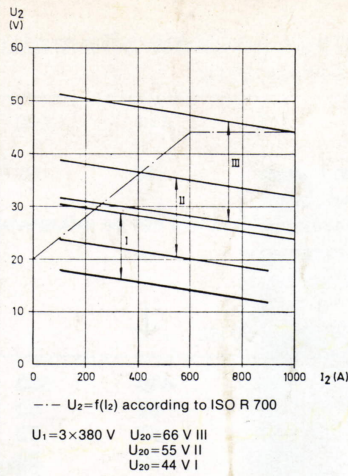
Rating: 300 W  
 Air capacity: 96 m<sup>3</sup>/min.

**Dimensions and weight**

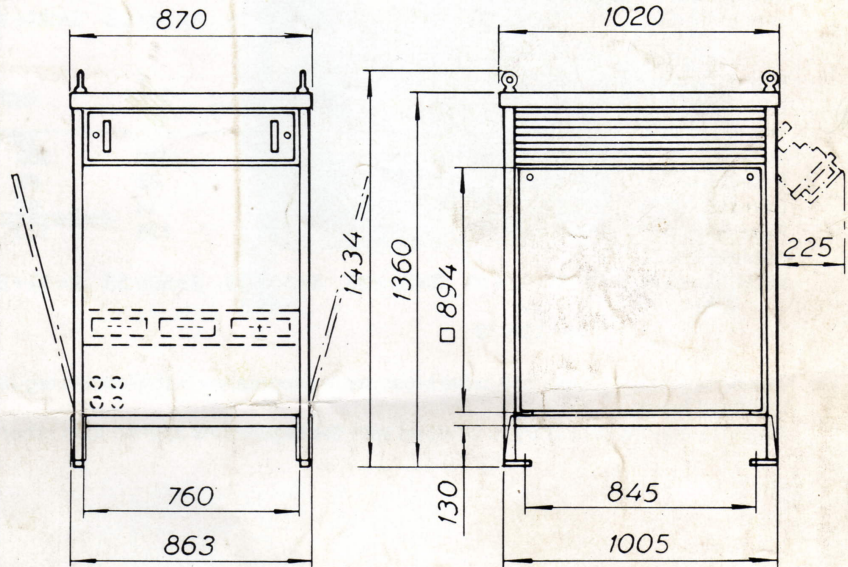
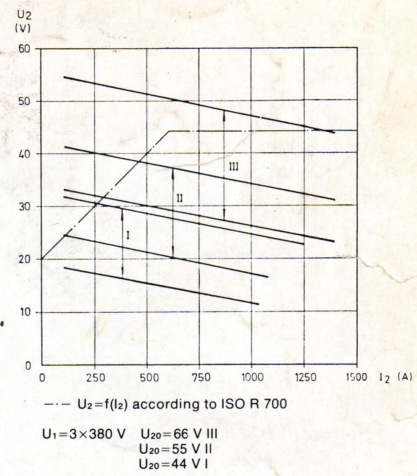
	LAD 1000	LAD 1400
Width:	870 mm	870 mm
Length:	1020 mm	1020 mm
Height:	1434 mm	1434 mm
Weight:	770 kg	830 kg
Weight with inductor:	840 kg	900 kg

The IP 22 version is drip-proof semi-protected.

**Static characteristics LAD 1000**  
 3×380 V 50 Hz



**Static characteristics LAD 1400**  
 3×380 V 50 Hz



All measurements in mm

**Order numbers for LAD 1000 and LAD 1400:**

Range	LAD 1000		LAD 1400	
	50 Hz	60 Hz	50 Hz	60 Hz
Stationary version (Permanent installation)	160 420-880	160 420-881	160 420-884	160 420-885
Stationary version with inductor	160 420-882	160 420-883	160 420-886	160 420-887
Stationary version with voltmeter and ammeter for arc/air gouging	160 420-888	160 420-889	160 420-890	160 420-891

ESAB reserves the right to alter specifications without notice.



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