LAB 1300C Specification

MAX OUTPUT POWER [1]	FTC 20 Hz-20 kHz at 0.1% THD	EIA 1 kHz at Cliplevel	IHF Peak Power 20 ms burst
8Ω stereo	325 W	350 W	385 W
4Ω stereo	600 W	650 W	750 W
2Ω stereo [2]	800 W	900 W	1000 W
8Ω bridged	1300 W	1400 W	1500 W
4Ω bridged	1560 W	1800 W	2000 W

SPEAKER PROTECTION
Each channel is fuse protected on the positive and negative power supply rails. Electronic short-circuit protection with a progressive characteristic. The output power is turned off at shorted output. The output power is turned off at shorted output. The power amplifier can be run into short-circuits for a long time without damage, and is open circuit and mismatch proof.

DISTORTION		
THD 20 Hz-20 kHz and 1 W-600 W	4 ohms	0.08 %
THD at 1kHz and 600W	4 ohms	0.03 %
DIM 30 at 300 W	4 ohms	0.02 %
CCIF (13 and 14 kHz) at 200 W	4 ohms	0.02 %
SMPTE (60 Hz and 7 kHz) at 300 W	4 ohms	0.05 %
POWER BANDWIDTH [3]		5 Hz-50 kHz
Slew rate		40 V/μs
OUTPUT IMPEDANCE	1 kHz	0.07 ohm
HUM AND NOISE below max power		<- 105 dBA
CHANNEL SEPARATION		
	1 kHz	80 dB
	10 kHz	70 dB
PHASE AND DELAY		
Deviation from perfect delay	150 Hz-20 kHZ	± 2°
Total delay input to output at 4 ohms		4,1 μs
INPUTS		
Sensitivity, switchable for full output into 4 ohms		0.775 or 1,8 Vrms
Gain, switchable		37 dB or 29 dB
Impedance		20 kohms, balanced
Common mode rejection at 1 kHz		50 dB
FRONT PANEL		
Gain controls		(2) Channel A - B
Output display	(2) red + (10) green LED´s	Fast peak - slow release
Temp indicator	(2) yellow LED´s	80_ C at heatzink
VHF indicator	(2) yellow LED´s	> 10 kHz at full power
On indicator	(2) green LED´s	DC rail voltage for channel A and B
REAR PANEL		
Input connectors		(2) XLR type 3 pin female (pin 2+), and (2) 1/4″ jack
Output connectors		(2) Neutric 4-pole speakon connectors (pin 1+ output)
Switches:		
Gain		37 dB or 29 dB
Link		Tandem mono, channel A and B
Rev B		Phase reverse of channel B
Clip limiter A and B		On - Off

POWER		Option
Operation voltage	120 V - 270 V AC	65 V-135 V AC
Minimum start voltage	190 V AC	95 V AC
Full output power	180 V -260 V AC	90 V-130 V AC
Peak inrush current	4.5A	
OVERALL DIMENSIONS		
mm (inch)	483 (19″) W × 88 (3.5″) H × 310 (12.4″) D	
WEIGHT	8 kg (18 lbs)	
APPROVALS	CE	Emission EN 55 103-1, E3 Immunity EN 55 103-2, E3, with S/N below 1% at normal operation level [4] Safety EN 60 065, class I

1) Specifications measured with 230 V regulated AC
2) Continuous power, one channel driven or peak power both channels driven. (Thermal protection may occur at high continuous power).

3) The VHF-protection turns off the channel for frequencies above 20 kHz at full power.

4) Normal operation level 1/8 of full power or –9dB below clip point.

LAB. GRUPPEN reserve the right to alter functions or specifications without prior notice.

LAB.GRUPPEN AB ANDERSSON & BÄVHOLM
Gullregnsvägen 16, 434 44 KUNGSBACKA, SWEDEN
Telephone +46 300 168 23 FAX +46 300 142 46