



The most significant progress towards the development of loudspeakers production Digital control: - direction of emission - opening angle and focus distance - tilting the radiation sound beam in the vertical plane without physically changing the position of loudspeaker The sound pressure level is evenly distributed - for listeners, that are close to the speaker, the sound is not too noisy, and for listeners that are too far away - not too quiet. Use of the radiant energy for the back of the speaker, which flat bounces off of the wall, back to the listeners. ACML loudspeakers ensure a clear natural sound experience, with high speech intelligibility. All settings are made with the help of "ACML-Control" software, that is included in the scope of supply. Additional use of DSP processors, which eliminate the need for additional equalizers. Because of their aesthetic shape, this loudspeaker fits into any environment.

Technical data	ACML-90	ACML-145
Power rated [W]	140	220
Frequency-range [Hz]	130 - 18k	120 - 18k
Guaranteed Sound power at SPL = 95dB (pink noise) IEC 60268-1	8m(*)	15m(*)
Number of neodymium speakers (3,3")	9pcs.	15pcs.
Number of neodymium tweeters	3pcs.	4pcs.
Number of DSP channels	8	16
Opening angle in the horizontal plane (constant)	110° (-6dB, 1kHz ÷ 8kHz)	110° (-6dB, 1kHz ÷ 8kHz)
Opening angle in the vertical plane (variable)	6° ÷ 14°	6° ÷ 14°
Nominal input level [dB]	0dB - line input or +50dB - input line speakers 100V	0dB - line input or +50dB - input line speakers 100V
Impedance input (symmetrical) [kΩ]	15 - line input or 40 - input line speakers 100V	15 - line input or 40 - input line speakers 100V
Gain control input [dB]	- 20 ÷ + 6	- 20 ÷ + 6
Delay input [m]	170	170
Limiter input [dB]	-40 ÷ + 6	-40 ÷ + 6
Noise - gate input	-90dB , -3dB - threshold 20us , 5000us - setting time 1ms , 3000ms - release time	-90dB , -3dB - threshold 20us , 5000us - setting time 1ms , 3000ms - release time
10-point input parametric equalizer	F: 20Hz , 20kHz Bw: 0,05oct. , 3,0oct. G: -12dB , +12dB, PEAK LoSh6, LoSh12, HiSh6, HiSh12	F: 20Hz , 20kHz Bw: 0,05oct. , 3,0oct. G: -12dB , +12dB, PEAK LoSh6, LoSh12, HiSh6, HiSh12
Power amplifiers [W]	8x20W Class D	16x20W Class D
Power supply [V]	230V or 115V (50Hz, +/-10%)	230V or 115V (50Hz, +/-10%)
Power consumption (nominal) [VA]	15	30

Technical data	ACML-90	ACML-145
Power consumption (maximum) [VA]	160	280
Dimensions height/width/depth [mm]	900/95/113	1450/95/113
Weight [kg]	4,6	5,8