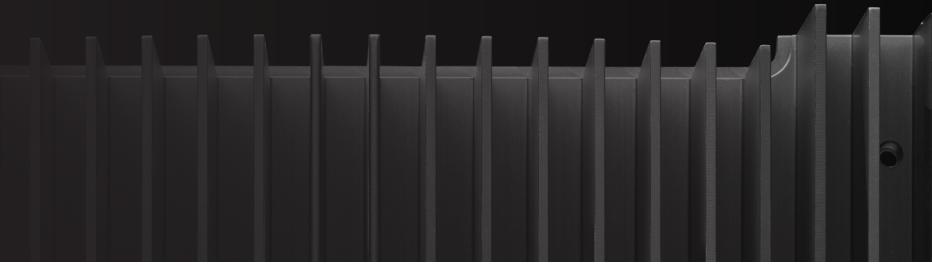


EL50 Anniversary

**3-Way Active Floor-standing Loudspeaker
with All-Discrete Electronics**

**Overview**

Elliptical curved cabinet for low diffraction
ATC 9"/234mm 'SL' bass driver
ATC 3"/75mm 'Superdome' mid-range
ATC 1"/25mm 'S-Spec' tweeter
ATC 3-channel discrete 'Amp-Pack'
Balanced instrumentation input combining high CMRR and very low noise
4th order active crossovers implemented with low-noise discrete circuitry
MOSFET class A-B power stages capable of 350W continuous total power
Power on/off trigger input and link output
DC offset and thermal amp protection

Acoustic specifications

Bass driver: SB75-234SL 8Ω
Mid driver: SM75-150S 16Ω
High Frequency Driver: SH25-76S 6Ω
Low Frequency Cut-off: 32Hz (-6dB anechoic)
High Frequency Cut-off: 25kHz (-6dB)
Matched Response: +/-0.5dB
Crossover Point: 380Hz & 3.5kHz
MaxSPL: 112dB (per pair; IEC Weighted Pink Noise, 1m, anechoic)
Sensitivity: -17.5dBu (85dBC, @1m, pink noise, per speaker; anechoic)

Electronic specifications

Balanced Input: Rear panel mounted female XLR, pin 2+ve
Input Impedance: 20kΩ
Input CMRR: >80dB (20Hz-10kHz)
Input Sensitivity: 2.2dBu/1V or 8.2dBu/2V (switched, ref. full output)
Crossover Filters: 4th Order Linkwitz Riley
Amplifier type: Grounded Source MOSFET, class A/B, convection cooled (fan-less)
Output Power: Bass: 200W (8Ω, continuous average, 0.1%THD)
Mid: 100W (16Ω, continuous average, 0.1%THD)
HF: 50W (8Ω, continuous average, 0.1%THD)
THD+N: 0.0015% / -96dB (1kHz, 1dB below rated power; 90kHz BW)
Frequency Response: 8Hz-190kHz
Limiter: FET momentary gain reduction, all channels
Electronic amp protection: Amplifier d.c. offset and over-temperature (both indicated by rear panel LED)
Mains Input: 220-230V / 110-115V factory set. Please observe panel markings and labels!
Power Trigger Input/Link: 2 x rear panel mounted, Switchcraft L712RA
Power Consumption: Idle 77W / 105VA, 1/8th Power 240W / 315VA, Full Power 600W / 730VA
Heat Output: Idle 77W / 263BTU, 1/8th Power 184W / 628BTU, Full Power 250W / 853BTU

Physical specifications

See following page

EL50 Anniversary

3-Way Active Floor-standing Loudspeaker
with All-Discrete Electronics

Loudspeaker Technology Ltd

Gypsy Lane, Aston Down, Stroud, Gloucestershire GL6 8HR, United Kingdom

+44 (0)1285 760561 info@atc.audio www.atc.audio

ACOUSTIC
ENGINEERS

ATC reserve the right to change specifications without prior notice

Acoustic Transducer Co. is a trading name and ATC is the registered Trade Mark of Loudspeaker Technology Ltd.

Net Weight: 63kg / 139lbs

Dimensions...

