

CX 15

Point Source Speaker

Part number CX 15 L: 1007628

Part number CX 15 R: 1007629

Thanks to its 15" bass/mid-range driver, the CX 15 passive speaker provides a powerful bass foundation. Its multi-functional cabinet means it can be used as an FOH speaker, delay speaker or stage monitor – anywhere where a very high sound pressure level, high speech intelligibility and powerful bass reproduction are required.

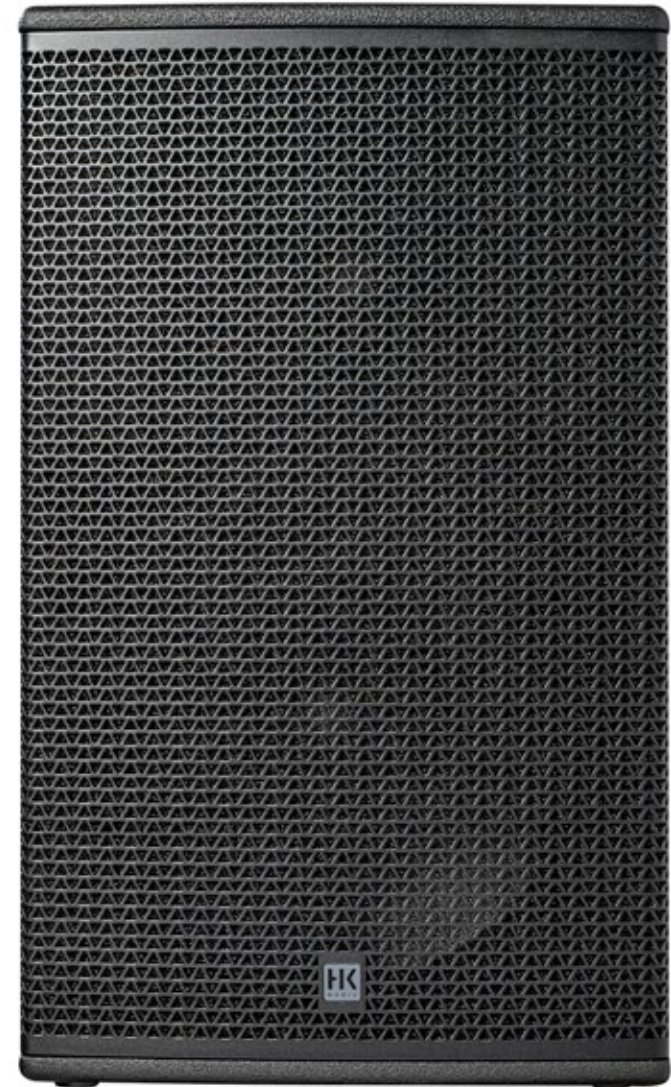
Exceptional phase linearity, a wide dynamic range and a BEM-optimised high-frequency horn ensure a very precise dispersion pattern. When used as a monitor, the CX 15 is particularly suitable for very loud stage applications and can also reproduce low-frequency instruments perfectly.

Characteristics

- Passive 15" /1.4" full-range speaker
- Multi-functional cabinet
- Transparent resolution and very precise dispersion pattern thanks to Boundary Element Method-optimised high-frequency horn
- 4x NL4 speakon connectors
- Cabinet made of birch multiplex with resistant PU coating
- HK Audio DuoTilt Adapter
- Expandable with C SUB subwoofer models
- Suitable for sophisticated stage monitoring as well as a full-range speaker for small events

Applications

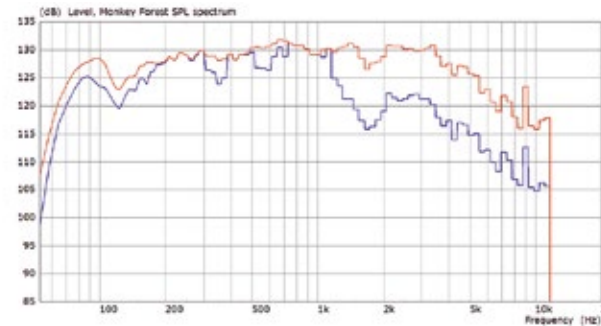
- Monitoring with sophisticated bass reproduction
- Full-featured front PA top
- Extremely high sound pressure levels in the near field (club use, electronic music)



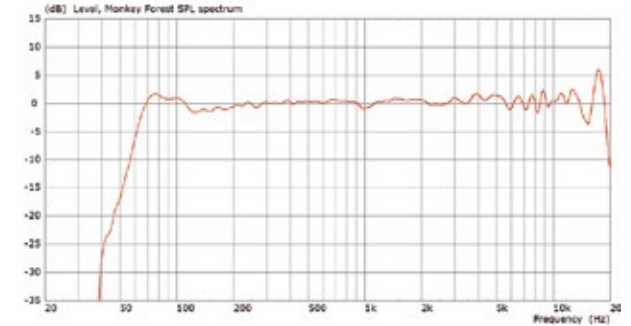
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Technical data

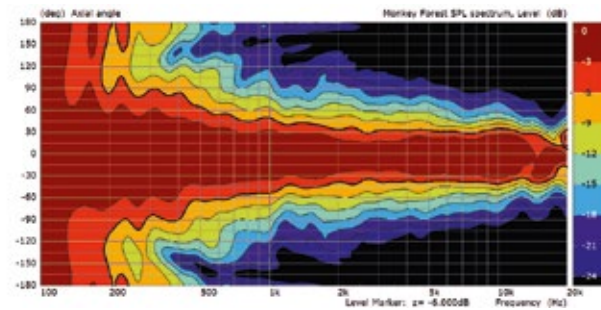
Characteristics	
Concept	Passive 2-way mid/high unit
Cabinet principle	Bass reflex
Power handling RMS	700 W
Power handling program	1400 W
Power handling peak	2800 W
Nominal impedance ¹⁾	8 ohms
Max. SPL average ²⁾	129 dB
Max. SPL peak ³⁾	132 dB
Sensitivity 1 W/1 m ⁴⁾	99 dB
Crossover frequency	1,2 kHz
Frequency range -6 dB	69 Hz - 18 kHz
Frequency range -10 dB	55 Hz - 19 kHz
Dispersion angle -6 dB (horizontal)	75° x 55°, rotatable
Components	
Low frequency	-
Mid/high frequency	1 x 15" cone speaker with neodymium magnet and 3,5" voice coil
High frequency	1 x 1,4" compression driver with neodymium magnet and 3" voice coil
Crossover	High pass: 24 dB/octave, low pass: 24 dB/octave
High frequency protection circuit	-
Horn	constant directivity horn, rotatable
Connections	
Input	2 x NL4 Speakon
Output/parallel output	2 x NL4 Speakon
Pin assignment	1+/-, 2+/-, schaltbar
Amping/Presets	
Lab.Gruppen	IPD Series, Lake
Powersoft	Armonia+
LEA Professional	-
Amping/Filter Sheets	
Lab.Gruppen	IPD/IPX Series (incl. limiter specifications)
Mechanical data	
Cabinet Features/Rigging	10 x Rigging points M10, Pole mount HK Audio DuoTilt (3°/7°), setup angles: 35° and 55°
Carrying handles	4 x integrated handle
Cabinet material	Birch plywood
Cabinet surface	PU coating
Color	Jet black (RAL 9005)
Front grille	steel front grille with anticorrosive coating, backed acoustic foam
Optional accessories	Cover, tilt bracket TB-XQ, attachment point AP-10/B, case
Dimensions (WxDxH)	45,0 x 75,5 x 39,5 cm 17-23/32 x 29-41/64 x 15-25/64 inch
Weight	29,1 kg / 64,2 lbs



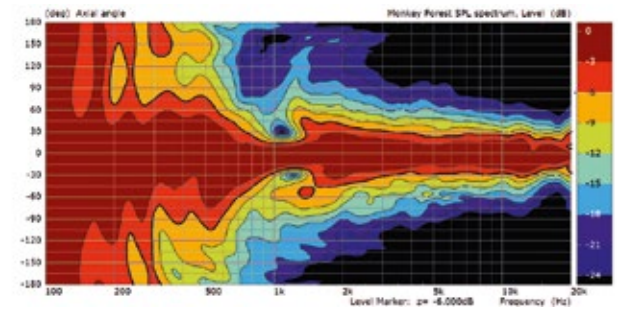
Max. SPL
(blue = 3 % THD, red = 10 % THD)



Frequency response (with controller)



Horizontal directivity



Vertical directivity

¹⁾ According to EN 60268-5 (minimum value not less than 80% of nominal value)

²⁾ 3 units @ 1 m, 10 % THD, 100 Hz - 5 kHz, (EN 60268-21), full space, @ 1,2 kW

³⁾ 3 units @ 1 m, 10 % THD @ 666 Hz, full space, @ 1,2 kW

⁴⁾ 100 Hz - 10 kHz, full space

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Accessories

TB-XNQ

Part number: 1007781

Universal tilt bracket for mounting the CX 15 on truss rods, ceilings, wall brackets, beams and on tripods.



Cover CX 15

Part number: 1007710

Padded, lockable transport protection cover for road-proof transportation of the CX 15.



AP-10B

Part number: 1007664

Optional attachment points for CX, for safe installation of the speakers on steel cables or chains.



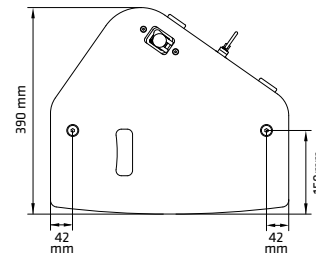
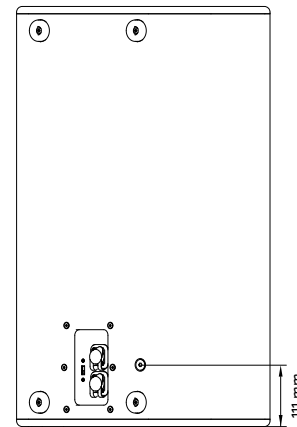
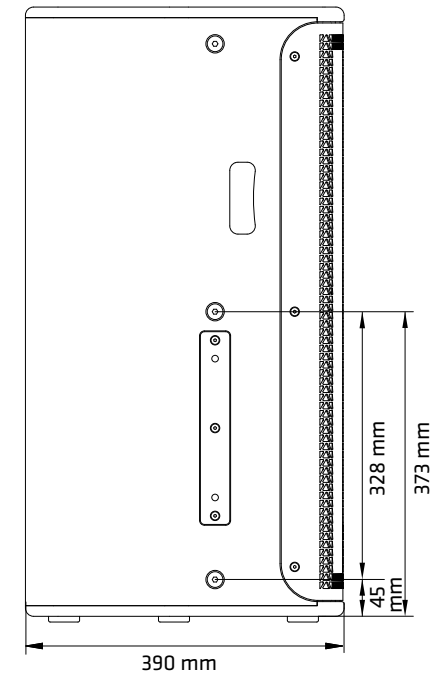
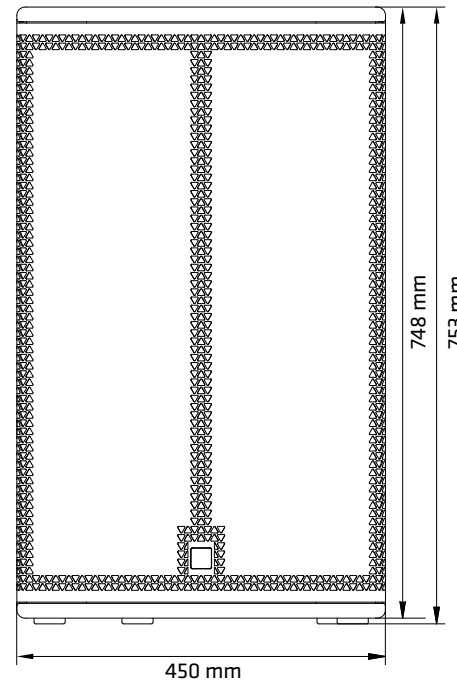
Case 2CX15

Part number: 1007687

Optional flight cases in black for 2x CX 15.



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