

Architectural Speaker Specification Sheet

Extreme Home Theatre

Tall Rectangle



Model	Ci5160REFM-THX	Ci3160REFM-THX	Ci5160RLM-THX	Ci3160RLM-THX	Ci4100QL-THX	
Series	Ci-Reference	Ci-Reference	Ci-R Series	Ci-R Series	Ci-Q Series	
Nominal impedance	4Ω	4Ω	4Ω	4Ω	4Ω	
Sensitivity (2.83V/1m)	92dB	89dB	89dB	89dB	89dB	
Frequency response (±6dB) open-backed	40Hz - 28kHz	40Hz - 28kHz	40Hz - 28kHz	43Hz - 28kHz	55Hz - 28kHz	
Frequency range (-10dB)	35Hz - 45kHz	35Hz - 45kHz	32Hz - 45kHz	33Hz - 45kHz	40Hz - 30kHz	
Nominal coverage (degrees)	150°	115°	150°	150°	150°	
Max SPL (dB)	116dB	110dB	110dB	110dB	104dB	
Crossover frequency	600Hz, 3000kHz	600Hz, 3000kHz	680Hz, 2.6kHz	640Hz, 2.6kHz	2.2kHz	
Drive units	LF	4 x 160 mm (6.5 in.)	2 x 160 mm (6.5 in.)	4 x 160 mm (6.5 in.)	2 x 160 mm (6.5 in.)	3 x 100 mm (4 in.)
	MF	125 mm (5.25 in.) Uni-Q	125 mm (5.25 in.) Uni-Q	160 mm (6.5 in.) Uni-Q	160 mm (6.5 in.) Uni-Q	100 mm (4 in.) Uni-Q
	HF	25 mm (1 in.) vented aluminium dome with Metamaterial Absorption Technology ¹	25 mm (1 in.) vented aluminium dome with Metamaterial Absorption Technology ¹	25mm (1in.) vented aluminium dome with Metamaterial Absorption Technology ¹	25mm (1in.) vented aluminium dome with Metamaterial Absorption Technology ¹	19 mm (0.75 in.)
Recommended amplifier power	50 - 500 W	50 - 350 W	50 - 350W	50 - 350W	10 - 150 W	
Recommended high-pass filter (Hz)	35Hz - 80Hz	35Hz - 80Hz	35Hz - 80Hz*	35Hz - 80Hz*	55Hz	
Product external dimensions (H x W x D)	1070 x 230 x 105.7 mm (42.13 x 9.06 x 4.16 in.)	680 x 230 x 105.7 mm (26.77 x 9.06 x 4.16 in.)	1070 x 230 x 105.7 mm (42.13 x 9.06 x 4.16 in.)	680 x 230 x 105.7 mm (26.77 x 9.06 x 4.16 in.)	490 x 128 x 81 mm (19.29 x 5.04 x 3.19 in.)	
Cut-out dimensions (H x W)	1052 x 209 mm (41.42 x 8.23 in.)	660 x 209 mm (25.98 x 8.23 in.)	1052 x 209 mm (41.42 x 8.23 in.)	660 x 209 mm (25.98 x 8.23 in.)	476 x 114 mm (18.74 x 4.49 in.)	
Net weight	21.7 kg (47.8 lbs.)	13.6 kg (29.92 lbs.)	18.7 kg (41.1 lbs)	12 kg (26.4 lbs)	3 kg (6.61 lbs)	
Mounting depth from surface	99 mm (3.9 in.)	99 mm (3.9 in.)	99 mm (3.9 in.)	99 mm (3.9 in.)	76 mm (3 in.)	
Optional rough in frame	RIF5160L	RIF3160L	RIF5160L	RIF3160L	RIF4100L	
Ideal Rear Volume (L)	90L	60L	90L	60L	15L	
Minimum Rear Volume (L)	40L	30L	40L	30L	7L	
Certification	THX Cetified Dominus	THX Cetified Ultra	THX Cetified Ultra	THX Cetified Ultra	THX Cetified Select, IP64	

* Recommended high-pass filter for THX spec: 80Hz

¹ Metamaterial Absorption Technology is a joint development with Acoustic Metamaterials Group.

Architectural Speaker Specification Sheet

Extreme Home Theatre

Square / Round



Model	Ci250RRM-THX	Ci200RS-THX	Ci200RR-THX	Ci160RR-THX	
Series	Ci-R Series	Ci-R Series	Ci-R Series	Ci-R Series	
Nominal impedance	8Ω	4Ω	4Ω	4Ω	
Sensitivity (2.83V/1m)	89dB	90dB	90dB	90dB	
Frequency response (±6dB) open-backed	28Hz - 20kHz	33Hz - 28kHz	33Hz - 28kHz	52Hz - 24kHz	
Frequency range (-10dB)	20Hz - 45kHz	28Hz - 35kHz	28Hz - 45kHz	38Hz - 30kHz	
Nominal coverage (degrees)	120°	120°	120°	130°	
Max SPL (dB)	111dB	106dB	106dB	105dB	
Crossover frequency	540Hz - 2.6kHz	2.2kHz	2.2kHz	2.1kHz	
Drive units	LF	250 mm (10in.)	200 mm (8 in.) Uni-Q	200 mm (8 in.) Uni-Q	
	MF	100 mm (4in.) Uni-Q	-	-	
	HF	19mm (0.75in.) vented aluminium dome with Metamaterial Absorption Technology ¹	38 mm (1.5 in.)	38 mm (1.5 in.)	25 mm (1 in.)
Recommended amplifier power	50 - 250W	10 - 190 W	10 - 190 W	10 - 190 W	
Recommended high-pass filter (Hz)	30 - 60Hz	35Hz - 80Hz*	35Hz - 80Hz*	38Hz	
Product external dimensions	(H x W x D)	-	273 x 273 x 132.6 mm (10.75 x 10.75 x 5.22 in.)	-	
	Diameter Ø	346 mm (13.62in.)	-	290 mm (11.42 in.)	236 mm (9.24 in.)
	Depth	175 mm (6.89in.)	-	132.6 mm (5.22 in.)	115 mm (4.53 in.)
Cut-out dimensions	(H x W)	-	240 x 240 mm (9.45 x 9.45 in.)	-	
	Diameter Ø	300 mm (11.81in.)	-	238 mm (9.37 in.)	196 mm (7.71 in.)
Net weight	6 kg (13.2lbs)	3.6 kg (7.94 lbs.)	3.6 kg (7.94 lbs.)	2.94 kg (6.48 lbs.)	
Mounting depth from surface	168 mm (6.62 in.)	127 mm (5 in.)	126.5 mm (4.98 in.)	110 mm (4.33 in.)	
Optional rough in frame	-	RIF200S	RIF200R	-	
Ideal Rear Volume (L)	150L	20L	20L	20L	
Minimum Rear Volume (L)	80L	10L	10L	10L	
Certification	THX Certified Ultra, IP64	THX Certified Ultra, IP64	THX Certified Ultra, IP64	THX Certified Ultra	

* Recommended high-pass filter for THX spec: 80Hz

¹ Metamaterial Absorption Technology is a joint development with Acoustic Metamaterials Group.

Architectural Speaker Specification Sheet

Subwoofer



Model	Ci3160RLb-THX Active Mode (KASA 500)	Ci250RRb-THX Active Mode (KASA500)	Ci200Qsb-THX Passive Mode (Crossover "ON")	Ci200Qsb-THX Active Mode (KASA500)
Series	Ci-R Series	Ci-R Series	Ci-Q Series	Ci-Q Series
Nominal impedance	4Ω	-	6Ω	-
Sensitivity (2.83V/1m)	92dB	-	85dB	-
Frequency response (±6dB) open-backed	20Hz - 140Hz	25Hz-KASA setting	40Hz - 100Hz	30Hz - 140Hz
Frequency range (-10dB)	25Hz - KASA setting	20Hz-KASA setting	29Hz - 140Hz	25Hz - KASA setting
Max SPL (dB)	112dB	109dB	104dB	104dB
Crossover frequency	-	-	100Hz	-
Drive units LF	3 x 160 mm (6.5 in.)	250 mm (10in.)	200 mm (8 in.)	200 mm (8 in.)
Required amplifier	KEF KASA500	KEF KASA500	-	KEF KASA500
Recommended amplifier power	-	-	10 - 150 W	-
Recommended high-pass filter (Hz)	25Hz - 80Hz*	KASA	-	KASA
Recommended low-pass filter (Hz)	50Hz - 120kHz	50Hz-120Hz	80Hz - 120Hz	50Hz - 120Hz
Product external dimensions (H x W x D)	680 x 230 x 96 mm (26.77 x 9.06 x 3.78 in.)	-	273 x 273 x 106 mm (10.75 x 10.75 x 4.17 in.)	273 x 273 x 106 mm (10.75 x 10.75 x 4.17 in.)
Diameter Ø	-	346mm (13.62 in.)	-	-
Cut-out dimensions (H x W)	660 x 209 mm (25.98 x 8.23 in.)	-	238 x 238 mm (9.37 x 9.37 in.)	238 x 238 mm (9.37 x 9.37 in.)
Net weight	10.9 kg (24.1 lbs)	5.6 kg (12.3lbs)	3.3 kg (7.28 lbs)	3.3 kg (7.28 lbs)
Mounting depth from surface	88.5 mm (3.84 in.)	147 mm (5.8in.)	101.6 mm (4 in.)	101.6 mm (4 in.)
Optional rough in frame	RIF3160L	-	RIF200S	RIF200S
Ideal Rear Volume (L)	80L	100L	32L#	32L#
Minimum Rear Volume (L)	40L	60L	20L	20L
Certification	THX Certified Ultra, THX Certified Select	THX Certified Ultra, THX Certified Select, IP64	THX Certified Ultra, THX Certified Select, IP64	THX Certified Ultra, THX Certified Select, IP64

* Recommended high-pass filter for THX spec: 80Hz

For single speaker only. Double volume for pair speakers.

Architectural Speaker Specification Sheet

Subwoofer



Model		Ci200TRb Passive Mode	Ci200TRb Active Mode (KASA500)
Series		Ci-T Series	Ci-T Series
Nominal impedance stereo mode		2 x 8Ω	2 x 8Ω
Nominal impedance mono mode		16Ω	16Ω
Sensitivity (2.83V/1m)		87dB	87dB
Frequency response (±6dB) open-backed		42Hz - 120Hz	32Hz - 120Hz
Frequency range (-10dB)		38Hz - 140Hz	25Hz - KASA setting
Max SPL (dB)		109dB	109dB
Drive units	LF	200 mm (8 in.)	200 mm (8 in.)
Required amplifier		-	KEF KASA500
Recommended amplifier power		10 - 125 W	-
Recommended low-pass filter (Hz)		80Hz - 120Hz	60Hz - 120Hz
Product external dimensions	Diameter Ø	290 mm (11.42 in.)	290 mm (11.42 in.)
	Depth	63 mm (2.48 in.)	63 mm (2.48 in.)
Cut-out dimensions	Diameter Ø	240 mm (9.45 in.)	240 mm (9.45 in.)
Net weight		1.7 kg (3.75 lbs)	1.7 kg (3.75 lbs)
Mounting depth from surface		59 mm (2.32 in.)	59 mm (2.32 in.)
Optional rough in frame		RIF200R	RIF200R
Optional rear enclosure		RNC200R	RNC200R
Ideal Rear Volume (L)		60L	60L
Minimum Rear Volume (L)		35L	35L
Certification		IP64	IP64

Architectural Speaker Specification Sheet

Rectangle



Model	Ci200QL	Ci160QL	Ci160.2CL
Series	Ci-Q Series	Ci-Q Series	Ci-C Series
Nominal impedance	8Ω	8Ω	8Ω
Sensitivity (2.83V/1m)	90dB	89dB	89dB
Frequency response (±6dB) open-backed	35Hz - 34kHz	38Hz - 34kHz	52Hz - 20kHz
Frequency range (-10dB)	32Hz - 30kHz	32Hz - 30kHz	47Hz - 45kHz
Nominal coverage (degrees)	115°	125°	120°
Max SPL (dB)	107dB	105dB	104dB
Crossover frequency	2.5kHz	3.0kHz	2.5kHz
Drive units	LF	200 mm (8 in.) Uni-Q	160 mm (6.5 in.) Uni-Q
	HF	25 mm (1 in.)	19 mm (0.75 in.)
Recommended amplifier power	10 - 150 W	10 - 125 W	10 - 100 W
Recommended high-pass filter (Hz)	40Hz	45Hz	50Hz
Product external dimensions (H x W x D)	369 x 273 x 106 mm (14.53 x 10.75 x 4.17 in.)	303 x 223 x 97.5 mm (11.93 x 8.78 x 3.84 in.)	303 x 223 x 91 mm (11.93 x 8.78 x 3.58 in.)
Cut-out dimensions (H x W)	334 x 238 mm (13.15 x 9.37 in.)	274 x 194 mm (10.79 x 7.64 in.)	274 x 194 mm (10.79 x 7.64 in.)
Net weight	2.6 kg (5.77 lbs)	2.05 kg (4.51 lbs)	1.87 kg (4.12 lbs)
Mounting depth from surface	99.8 mm (3.93 in.)	91 mm (3.58 in.)	84.5 mm (3.33 in.)
Optional rough in frame	RIF200L	RIF160L	RIF160L
Optional rear enclosure	RNC200L	RNC160L	RNC160L
Ideal Rear Volume (L)	60L	25L	35L
Minimum Rear Volume (L)	35L	15L	20L
Certification	IP64	IP64	IP64

Architectural Speaker Specification Sheet

Flush Mount



Model		Ci130QSfl	Ci130QRfl
Series		Ci-Q Series	Ci-Q Series
Nominal impedance		8Ω	8Ω
Sensitivity (2.83V/1m)		87dB	87dB
Frequency response (±6dB) with back can/ rear enclosure		-	-
Frequency response (±6dB) open-backed		45Hz - 34kHz	45Hz - 34kHz
Frequency range (-10dB)		38Hz - 30kHz	38Hz - 30kHz
Nominal coverage (degrees)		130°	130°
Max SPL (dB)		103dB	103dB
Crossover frequency		3.8kHz	3.8kHz
Drive units	LF	130 mm (5.25 in.) Uni-Q	130 mm (5.25 in.) Uni-Q
	MF	-	-
	HF	19 mm (0.75 in.)	19 mm (0.75 in.)
Recommended amplifier power		10 - 100 W	10 - 100 W
Recommended high-pass filter (Hz)		50Hz	50Hz
Product external dimensions	(H x W x D)	200.5 x 200.5 x 103.6 mm (7.9 x 7.9 x 4.08 in.)	-
	Diameter Ø	-	200.6 mm (7.9 in)
	Depth	-	104.6 mm (4.12 in)
Cut-out dimensions	(H x W)	158 x 158 mm (6.22 x 6.22 in.)	-
	Diameter Ø	-	158 mm (6.22 in.)
Net weight		1.6 kg (3.53 lbs.)	1.45 kg (3.19 lbs.)
Mounting depth from surface		101mm (3.98 in.)	101 mm (3.98 in.)
Ideal Rear Volume (L)		15L	15L
Minimum Rear Volume (L)		10L	10L

Architectural Speaker Specification Sheet

Square



Model	Ci200QS	Ci160QS	Ci130QS
Series	Ci-Q Series	Ci-Q Series	Ci-Q Series
Nominal impedance	8Ω	8Ω	8Ω
Sensitivity (2.83V/1m)	90dB	89dB	87dB
Frequency response (±6dB open-backed)	35Hz - 34kHz	38Hz - 34kHz	45Hz - 34kHz
Frequency range (-10dB)	32Hz - 30kHz	32Hz - 30kHz	38Hz - 30kHz
Nominal coverage (degrees)	115°	125°	130°
Max SPL (dB)	107dB	105dB	103dB
Crossover frequency	2.5kHz	3.0kHz	3.8kHz
Drive units	LF	200 mm (8 in.) Uni-Q	160 mm (6.5 in.) Uni-Q
	HF	25 mm (1 in.)	19 mm (0.75 in.)
Recommended amplifier power	10 - 150 W	10 - 125 W	10 - 100 W
Recommended high-pass filter (Hz)	40Hz	45Hz	50Hz
Product external dimensions (H x W x D)	273 x 273 x 106 mm (10.75 x 10.75 x 4.17 in.)	223 x 223 x 97 mm (8.78 x 8.78 x 3.82 in.)	184 x 184 x 84 mm (7.24 x 7.24 x 3.31 in.)
Cut-out dimensions (H x W)	238 x 238 mm (9.37 x 9.37 in.)	194 x 194 mm (7.64 x 7.64 in.)	158 x 158 mm (6.22 x 6.22 in.)
Net weight	2.4 kg (5.3 lbs)	1.88 kg (4.14 lbs)	1.4 kg (3.1 lbs)
Mounting depth from surface	99.8 mm (3.93 in.)	91 mm (3.58 in.)	77.9 mm (3.07 in.)
Optional rough in frame	RIF200S	RIF160S	RIF130S
Optional rear enclosure	RNC200S	RNC160S	RNC130S
Ideal Rear Volume (L)	60L	25L	15L
Minimum Rear Volume (L)	35L	15L	10L
Certification	IP64	IP64	IP64

Ci Specifications Sheet Square



Model	Ci160.2CS	Ci130.2CS	Ci160CSds	Ci160ES	Ci160TS	
Series	Ci-C Series	Ci-C Series	Ci-C Series	Ci-E Series	Ci-T Series	
Nominal impedance	8Ω	8Ω	8Ω	8Ω	8Ω	
Sensitivity (2.83V/1m)	89dB	87dB	91dB	89dB	87dB	
Frequency response (±6dB) open-backed	52Hz - 20kHz	52Hz - 20kHz	50Hz - 20kHz	52Hz - 20kHz	110Hz - 24kHz	
Frequency range (-10dB)	47Hz - 45kHz	45Hz - 45kHz	45Hz - 30kHz	46Hz - 45kHz	69Hz - 45kHz	
Nominal coverage (degrees)	120°	140°	120°	110°	160°	
Max SPL (dB)	104dB	102dB	106dB	104dB	101dB	
Crossover frequency	2.8kHz	2.8kHz	3.2kHz	2.8kHz	1.7kHz	
Drive units	LF	160 mm (6.5 in.) Uni-Q	130 mm (5.25 in.) Uni-Q	160 mm (6.5 in.) Dual voice coil	160 mm (6.5 in.) Uni-Q	115 mm (4.5 in.) Dual layer
	HF	16 mm (0.6 in.)	16 mm (0.6 in.)	2 x 19 mm (0.75 in.)	16mm (0.6in.)	25 mm (1 in.)
Recommended amplifier power	10 - 100 W	10 - 80 W	10 - 80 W	10 - 100 W	10 - 100 W	
Recommended high-pass filter (Hz)	50Hz	55Hz	50Hz	50Hz	70Hz	
Product external dimensions (H x W x D)	223 x 223x x 90.5 mm (8.78 x 8.78 x 3.56 in.)	184 x 184 x 83 mm (7.24 x 7.24 x 3.27 in.)	223 x 223 x 90.5 mm (8.78 x 8.78 x 3.56 in.)	223 x 223 x 88.7 mm (8.78 x 8.78 x 3.49 in.)	222.8 x 222.8 x 41 mm (8.77 x 8.77 x 1.61 in.)	
Cut-out dimensions (H x W)	194 x 194 mm (7.64 x 7.64 in.)	158 x 158 mm (6.22 x 6.22 in.)	194 x 194 mm (7.64 x 7.64 in.)	194 x 194 mm (7.64 x 7.64 in.)	194 x 194 mm (7.64 x 7.64 in.)	
Net weight	1.70 kg (3.74 lbs)	1.35 kg (3.0 lbs)	1.80 kg (4.0 lbs)	1.4 kg (3.1 lbs)	1.05 kg (2.31 lbs)	
Mounting depth from surface	84.5 mm (3.33 in.)	77.1 mm (3.03 in.)	84.5 mm (3.33 in.)	85.2 mm (3.35 in.)	<36 mm (1.42 in.)	
Optional rough in frame	RIF160S	RIF130S	RIF160S	RIF160S	RIF160S	
Optional rear enclosure	RNC160S	RNC130S	RNC160S	RNC160S	RNC160S	
Ideal Rear Volume (L)	35L	20L	35L	35L	3L	
Minimum Rear Volume (L)	20L	12L	20L	20L	1L	
Certification	IP64	IP64	IP64	IP64	IP64	

Architectural Speaker Specification Sheet

Round



Model		Ci200QR	Ci160QR	Ci130QR
Series		Ci-Q Series	Ci-Q Series	Ci-Q Series
Nominal impedance		8Ω	8Ω	8Ω
Sensitivity (2.83V/1m)		90dB	89dB	87dB
Frequency response (±6dB) open-backed		35Hz - 34kHz	38Hz - 34kHz	45Hz - 34kHz
Frequency range (-10dB)		32Hz - 30kHz	32Hz - 30kHz	38Hz - 30kHz
Nominal coverage (degrees)		115°	125°	130°
Max SPL (dB)		107dB	105dB	103dB
Crossover frequency		2.2kHz	3.0kHz	3.8kHz
Drive units	LF	200 mm (8.0 in.) Uni-Q	160 mm (6.5 in.) Uni-Q	130 mm (5.25 in.) Uni-Q
	HF	25 mm (1 in.)	19 mm (0.75 in.)	19 mm (0.75 in.)
Recommended amplifier power		10 - 150 W	10 - 125 W	10 - 100 W
Recommended high-pass filter (Hz)		40Hz	45Hz	50Hz
Product external dimensions	Diameter Ø	289.6 mm (11.4 in.)	234.6 mm (9.24 in.)	193.4 mm (7.61 in.)
	Depth	109.8 mm (4.32 in.)	98 mm (3.86 in.)	83.3 mm (3.28 in.)
Cut-out dimensions	Diameter Ø	240 mm (9.45 in.)	196 mm (7.71 in.)	158 mm (6.22 in.)
Net weight		2.4 kg (5.28 lbs)	1.8 kg (3.96 lbs)	1.35 kg (2.97 lbs)
Mounting depth from surface		103.3 mm (4.07 in.)	91 mm (3.58 in.)	77.8 mm (3.06 in.)
Optional rough in frame		RIF200R	RIF160R	RIF130R
Optional rear enclosure		RNC200R	RNC160R	RNC130R
Ideal Rear Volume (L)		60L	25L	15L
Minimum Rear Volume (L)		35L	15L	10L
Certification		IP64	IP64	IP64

Architectural Speaker Specification Sheet

Round



Model		Ci200.2CR	Ci160.2CR	Ci130.2CR	Ci160CRds
Series		Ci-C Series	Ci-C Series	Ci-C Series	Ci-C Series
Nominal impedance		8Ω	8Ω	8Ω	8Ω
Sensitivity (2.83V/1m)		90dB	89dB	87dB	91dB
Frequency response (±6dB) open-backed		45Hz - 20kHz	52Hz - 20kHz	52Hz - 20kHz	50Hz - 20kHz
Frequency range (-10dB)		35Hz - 45kHz	47Hz - 45kHz	45Hz - 45kHz	45Hz - 30kHz
Nominal coverage (degrees)		115°	120°	140°	120°
Max SPL (dB)		106dB	104dB	102dB	106dB
Crossover frequency		2.4kHz	2.8kHz	2.8kHz	3.2kHz
Drive units	LF	200 mm (8 in.) Uni-Q	160 mm (6.5 in.) Uni-Q	130 mm (5.25 in.) Uni-Q	160 mm (6.5 in.) Dual voice coil
	HF	16 mm (0.6 in.)	16 mm (0.6 in.)	16 mm (0.6 in.)	2 x 19 mm (0.75 in.)
Recommended amplifier power		10 - 125 W	10 - 100 W	10 - 80 W	10 - 80 W
Recommended high-pass filter (Hz)		40Hz	50Hz	55Hz	50Hz
Product external dimensions	Diameter Ø	289.6 mm (11.4 in.)	234.6 mm (9.24 in.)	193.4 mm (7.61 in.)	234.6 mm (9.24 in.)
	Depth	103.3 mm (4.07 in.)	88.7 mm (3.49 in.)	81 mm (3.19 in.)	93 mm (3.66 in.)
Cut-out dimensions	Diameter Ø	240 mm (9.45 in.)	196 mm (7.71 in.)	158 mm (6.22 in.)	196 mm (7.71 in.)
Net weight		1.6 kg (3.6 lbs)	1.4 kg (3.1 lbs)	1.2 kg (2.7 lbs)	1.80 kg (4.0 lbs.)
Mounting depth from surface		97.2 mm (3.83 in.)	85.2 mm (3.35 in.)	77.5 mm (3.05 in.)	86 mm (3.36 in.)
Optional rough in frame		RIF200R	RIF160R	RIF130R	RIF160R
Optional rear enclosure		RNC200R	RNC160R	RNC130R	RNC160R
Ideal Rear Volume (L)		60L	35L	20L	35L
Minimum Rear Volume (L)		30L	20L	12L	20L
Certification		IP64	IP64	IP64	IP64

Architectural Speaker Specification Sheet

Round



Model		Ci200ER	Ci160ER	Ci130ER	Ci160TR
Series		Ci-E Series	Ci-E Series	Ci-E Series	Ci-T Series
Nominal impedance		8Ω	8Ω	8Ω	8Ω
Sensitivity (2.83V/1m)		90dB	89dB	87dB	87dB
Frequency response (±6dB) open-backed		45Hz - 20kHz	52Hz - 20kHz	52Hz - 20kHz	110Hz - 24kHz
Frequency range (-10dB)		38Hz - 45kHz	46Hz - 45kHz	44Hz - 45kHz	69Hz - 45kHz
Nominal coverage (degrees)		100°	110°	135°	160°
Max SPL (dB)		106dB	104dB	102dB	101dB
Crossover frequency		2.8kHz	2.8kHz	2.8kHz	1.7kHz
Drive units	LF	200 mm (8 in.) Uni-Q	160 mm (6.5 in.) Uni-Q	130 mm (5.25 in.) Uni-Q	115 mm (4.5 in.) dual layer
	HF	16 mm (0.6 in.)	16 mm (0.6 in.)	16 mm (0.6 in.)	25 mm (1 in.)
Recommended amplifier power		10 - 125 W	10 - 100 W	10 - 80 W	10 - 100 W
Recommended high-pass filter (Hz)		40Hz	50Hz	55Hz	70Hz
Product external dimensions	Diameter Ø	289.6 mm (11.4 in.)	234.6 mm (9.24 in.)	193.4 mm (7.61 in.)	234.6 mm (9.24 in.)
	Depth	103.3 mm (4.07 in.)	88.7 mm (3.49 in.)	81 mm (3.19 in.)	40 mm (1.57 in.)
Cut-out dimensions	Diameter Ø	240 mm (9.45 in.)	196 mm (7.71 in.)	158 mm (6.22 in.)	196 mm (7.71 in.)
Net weight		1.6 kg (3.6 lbs)	1.4 kg (3.1 lbs)	1.2 kg (2.7 lbs)	1 kg (2.2 lbs.)
Mounting depth from surface		97.2 mm (3.83 in.)	85.2 mm (3.35 in.)	77.5 mm (3.05 in.)	<36 mm (1.42 in.)
Optional rough in frame		RIF200R	RIF160R	RIF130R	RIF160R
Optional rear enclosure		RNC200R	RNC160R	RNC130R	RNC160R
Ideal Rear Volume (L)		60L	35L	20L	3L
Minimum Rear Volume (L)		30L	20L	12L	1L
Certification		IP64	IP64	IP64	IP64

Architectural Speaker Specification Sheet

Soundlight



Model		Ci100.2QR	Ci100QS
Series		Ci-Q Series	Ci-Q Series
Nominal impedance		4Ω	4Ω
Sensitivity (2.83V/1m)		83dB	88dB
Frequency response (±6dB) open-backed		90Hz - 27kHz	80Hz - 27kHz
Frequency response (±6dB) with back can / rear enclosure		130Hz - 27kHz	-
Frequency range (-10dB)		70Hz - 40kHz	53Hz - 25kHz
Nominal coverage (degrees)		150°	150°
Max SPL (dB)		99dB	103dB
Crossover frequency		3.5kHz	3kHz
Drive units	LF	75 mm (3.15 in.) Uni-Q	100 mm (4 in.) Uni-Q
	MF	-	-
	HF	16 mm (0.6 in.)	19 mm (0.75 in.)
Recommended amplifier power		10 - 50 W	10 - 50 W
Recommended high-pass filter (Hz)		80Hz	60Hz
Product external dimensions	Diameter Ø	135.6 mm (5.34 in.)	127 x 127 mm (5.0 x 5.0 in.)
	Depth	107.5 mm (4.23 in.)	76 mm (2.99 in.)
Cut-out dimensions	Diameter Ø	118.0 mm (4.65 in.)	112 x 112 mm (4.41 x 4.41 in.)
Net weight		0.50 kg (1.10 lbs)	0.67 kg (1.48 lbs)
Mounting depth from surface	With back can	103.1 mm (4.06 in.)	-
	Without back can	52 mm (2 in.)	72 mm (2.83 in.)
Optional rough in frame		RIF100R	RIF100S
Optional rear enclosure		RNC100R	RNC100S
Ideal Rear Volume (L)		5L	6L
Minimum Rear Volume (L)		0.75L	2.5L
Certification		IP64	IP64

Architectural Speaker Specification Sheet

Outdoor



Model		Ventura 6	Ventura 5
Series		Ventura	Ventura
Nominal impedance		6Ω	6Ω
Sensitivity (2.83V/1m)		90dB	89dB
Frequency response (±6dB) with back can / rear enclosure		68Hz - 20kHz	74Hz - 20kHz
Frequency range (-10dB)		54Hz - 25kHz	58Hz - 25kHz
Nominal coverage (degrees)		112°	125°
Max SPL (dB)		105dB	103dB
Crossover frequency		3kHz	3.8kHz
Drive units	LF	160 mm (6.5 in.)	130 mm (5.25 in.)
	HF	25 mm (1 in.)	25 mm (1 in.)
Recommended amplifier power		10 - 125 W	10 - 100 W
Recommended high-pass filter (Hz)		50Hz	60Hz
Transformer taps		-	-
Product external dimensions (H x W x D)	Cabinet only	300 x 226 x 219 mm (11.8 x 9 x 8.6 in.)	262 x 197 x 189 mm (10.3 x 7.75 x 7.4 in.)
	With bracket and knobs	300 x 226 x 263.5 mm (11.8 x 9 x 10.38 in.)	262 x 197 x 235 mm (10.3 x 7.75 x 9.25 in.)
Net weight		3.8 kg (8.4 lbs)	2.85 kg (6.28 lbs)
Operating temperature range		-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Certification		IP65	IP65