

# Soundtube CM690i-BK 6.5in HIGH POWER COAXIAL IN-CEILING SPEAKER/73Hz-22kHz/Black

System Type	6.5inch, coaxial, in-ceiling, high-SPL, ported (66-watt transformer for 25/70.7/100-volt or transformer bypass)
Impedance (nominal) <sup>1</sup>	8 ohm
Sensitivity dB @ 2.83 V / 1 m	91.5 dB
Sensitivity dB@1W/1m <sup>2</sup>	91.5 dB
Frequency Response (-3 dB) <sup>3</sup>	73Hz-22 kHz
Frequency Response (-10 dB) <sup>3</sup>	62 Hz-22 kHz
Max. Program Power <sup>4</sup>	200 W
Max. Continuous Power RMS <sup>4</sup>	100 w
Max. Power SPL @ 1 m <sup>6</sup>	111.5 dB
Coverage Angle (-6 dB @ 2 kHz)	170°
Coverage Angle (-6 dB @ 10 kHz)	95°
Coverage Angle (averaged from 2 to 10 kHz)	100°
Directivity Factor (Q)	3.8 (averaged 100Hz - 10kHz); 4.6 (2 kHz)
Directivity Index (DI)	5.8 dB (averaged 100Hz - 10kHz); 5.8 dB (2 kHz)
Tap Selector	Six-position rotary switch wit: transformer bypass position
Transducer - Low-Frequency Driver	165 mm (6.5 in.) treated fiber cone, cloth surround
Transducer - High-Frequency Driver	36 mm (1.42 in.) titanium compression driver with waveguide
Low-Frequency Voice Coil	35 mm (1.38 in)
Crossover Frequency	3.0 kHz
Network Type: Low Pass	18 dB per octave, 3rd order
Network Type: High Pass	18 dB per octave, 3rd order
Enclosure Material	Drawn aluminum backcan with ABS baffle
Motor-board	Cast aluminum
Grille	Steel with powder-coat finish
Inputs	Four-pin, 5.08 mm Euroblock for individual or daisy chain connection
Colors	Black or white
Backcan Diameter	296.7 mm (11.68 in.)
Backcan Height	201.7 mm (7.94 in.)
Visible Diameter	374.9 mm (14.76 in.)
Visible Height	27.4 mm (1.08 in.)
Mounting Hole Diameter	323.9 mm (12.75 in.)
Min / Max Ceiling Thickness	6.4 mm (0.25 in.) - 45.5 mm (1.91 in)
Weight	5.8 kg (12.8 lbs.)
Shipping Weight	18.0 kg (39.6 lbs.)
Packaging	Two per box