



Power Amplifier
Dual-Channel

**CM-5.5/7.5/
10.5/15.5/20.5**

Features

- CM-5.5: 550W@8Ω Bridged Mono
- CM-7.5: 720W@8Ω Bridged Mono
- CM-10.5: 1050W@8Ω Bridged Mono
- CM-15.5: 1600W@8Ω Bridged Mono
- CM-20.5: 2100W@8Ω Bridged Mono
- Frequency Response
10Hz - 35kHz, ±0.5dB
- Variable-Speed Cooling Fans
- Soft Start Protection System
- Balanced 20kΩ@0.775V Inputs
- <0.1% Total Harmonic Distortion
- Protection Circuitry
- Signal, Protection, Clip Indicators
- Rack Mount



Description

The CM-5.5/7.5/10.5/15.5/20.5 are dual-channel concert-grade amplifiers. Their low profile and exceptional sound quality make them ideal for permanent installation in professional PA systems or for road use in live performances. Inputs are XLR/TRS "Combo" connectors, and outputs are via rugged five-way binding posts or Speakon® connectors. Multiple amplifiers may be linked together via XLR connectors on each input. All units have soft-start protection circuitry and feature signal protection and clip indicators on the front panel. For added versatility, they may be operated in stereo, dual mono or bridged mono mode. Variable-speed fans provide low-noise ventilation. The CM-series amplifiers are powered by 100-120VAC or 220-240VAC@50/60Hz (depending on country requirements) and are packaged in 3.5" (2RU) or 5.25" (3RU) high rack mount enclosures.

Technical Specifications

ELECTRICAL	CM5.5	CM7.5	CM10.5	CM15.5	CM20.5
Power Output					
8Ω Stereo	175W	230W	340W	510W	700W
4Ω Stereo	270W	360W	510W	800W	1100W
8Ω Bridged Mono	550W	720W	1050W	1600W	2100W
Input Sensitivity (8Ω, 1kHz)	0.775Vrms				
Frequency Response (±0.5dB)	10Hz - 35kHz				
THD	< 0.1%				
Signal-to-Noise Ratio	> 100dB				
Damping Factor (8Ω, 1kHz)	> 150				
Slew Rate	±40V/μsec				
GENERAL					
Power Source	100-120VAC or 220-240VAC 50/60Hz				
Power Consumption	420W	520W	770W	950W	1300W
Weight	35.1lbs.	40.2lbs.	45.5lbs.	53.6lbs.	61.6lbs.
	12kg	15kg	17kg	20kg	23kg
Dimensions (W x H x D)	19" x 3.5" x 14.5"			19" x 5.25" x 14.5"	
	482mm x 88mm x 369mm			482mm x 132mm x 369mm	

CM-5.5/7.5/10.5/15.5/20.5 Architects and Engineers Specifications

The power amplifier shall be a dual-channel amplifier capable of RMS output power of [175W/CM-5.5, 230W/CM-7.5, 340W/M-10.5, 510W/CM-15.5, 700W/CM-20.5@8Ω per channel], [270W/CM-5.5, 360W/CM-7.5, 510W/CM-10.5, 800W/CM-15.5, 1100W/CM-20.5@4Ω per channel], [550W/CM-5.5, 720W/CM-7.5, 1050W/CM-10.5, 1600W/CM-15.5, 2100W/CM-20.5@8Ω bridged mono per channel].

Inputs shall be combo type XLR/TRS ¼" connectors and output via rugged five-way binding posts and Speakon® style connectors.

The unit shall have a soft-start system to protect speakers against excessive power surges upon power on or power off.

The unit shall meet the following performance criteria:

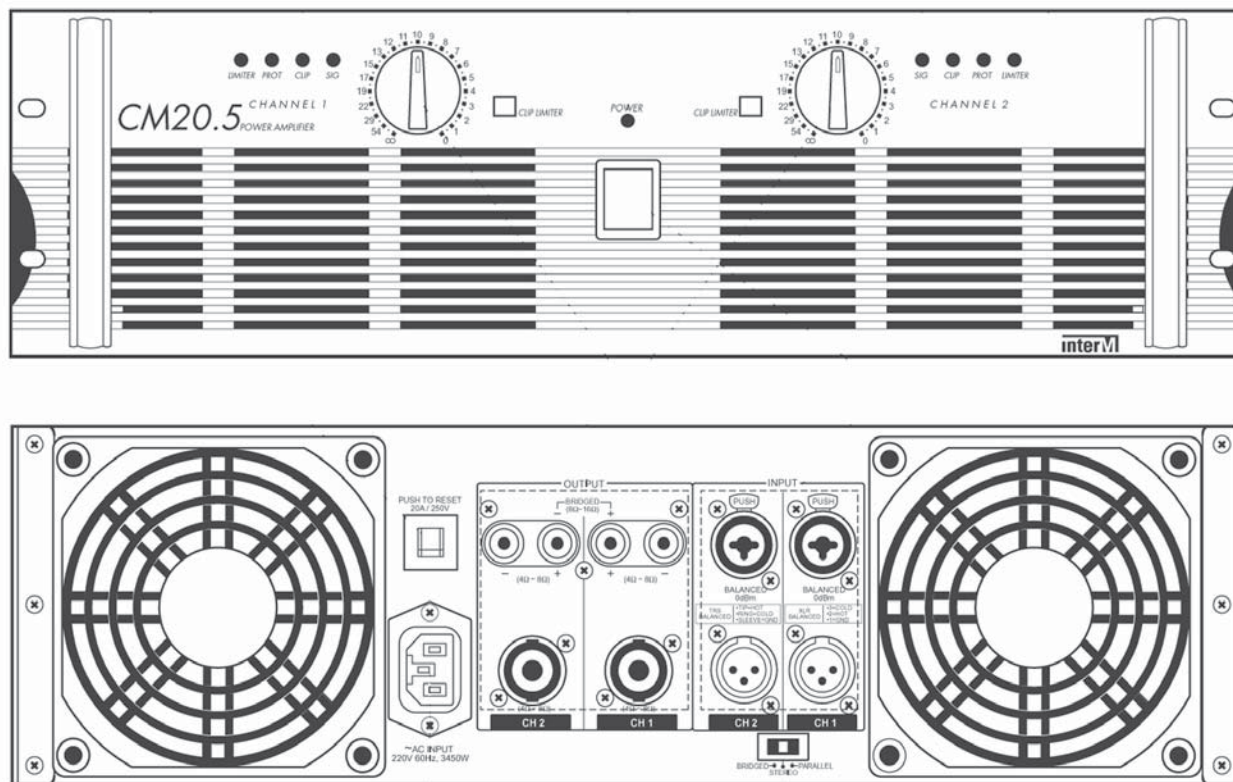
Frequency response shall be from 10Hz to 35kHz ± 0.5dB; total harmonic distortion shall be less than 0.1%; and input sensitivity and impedance shall be 0dB@20kΩ.

The CM-5.5/7.5/10.5 amplifier shall measure 19"(482mm) wide x 3.5"(88mm) high x 14.5"(369 mm) deep and shall be powered by 100-120VAC or 220-240VAC@50/60Hz.

The CM-15.5/20.5 amplifier shall measure 19"(482mm) wide x 5.25"(132mm) high x 14.5"(369mm) deep and shall be powered by 100-120VAC or 220-240VAC@50/60Hz (depending on country requirements).

The power amplifier shall be an Inter-M model CM--5.5/7.5/10.5/15.5/20.5.

CM-5.5/7.5/10.5/15.5/20.5 Front and Rear Views



Inter-M Americas, Inc. • 1 E. Beacon Light Lane • Chester, PA 19013
Tel: 610-874-8870 • Fax: 610-874-8890 • E-mail: info@inter-m.net
Website: www.inter-m.net

Inter-M Corp. (Korea) • 653-5 Banghak-Dong • Dobong-Ku • Seoul • Korea
Tel: 82-2-2289-8140~8 • Fax: 82-2-2289-8149 • E-mail: export@inter-m.com
Website: www.inter-m.com