

CDV1-1757

Enhanced performance in the vocal range for added clarity and intelligibility Single piece polyimide diaphragm and surround delivers low noise high output performance Proprietary Sound Castle™ diaphragm clamping system for superb reliability 800Hz recommended minimum crossover frequency (12dB/oct)

Power Rating: Tested for two hours using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance. Loudspeaker tested in free air.

Continuous Power Rating is defined as 3dB greater than the AES rating.

Sensitivity measured on axis at 1W, 1m in 2 anechoic environment.

Xmax is derived from: (voice coil winding width-gap depth)/2.

Small Signal Parameters are measured after unit subjected to pre-conditioning signal.

General Specifications

Power Rating	60W
Continuous Power Rating	120W
Sensitivity	107dB
Rated Impedance	16
Frequency Range	800-18000 Hz
Voice coil diameter (mm)	44mm
Voice coil diameter (in)	1.75in
Recommended min. crossover	800Hz (12dB/oct)
Magnet Type	Ferrite
Diaphragm Material	Polyimide
Surround Material	Polyimide
Fitting	Screw
Throat Exit (mm)	25mm
Throat Exit (in)	1.0in
Repair Kit 1 (Part Number)	T6527 (16)
Horn 1 (Description)	H1SC-9040
Horn 2 (Description)	H1SC-8050
Weight	2.3kg/5.1lb

Mounting Information

Overall Depth	53mm/2.1in
Overall Size	120mm/4.7in
Unit Weight	2.3kg/5.1lb
Width	120mm/4.7in
Depth	53mm/2.1in
Weight	2.3kg/5.1lb
Fitting	Screw
Throat Exit	25mm/1in



CDV1-1757

1-inch exit, ferrite magnet, voice-optimised compression driver



120W
continuous
power rating

107 dB
sensitivity

1.75-inch
edgewound copper
clad aluminium
voice coil

CDV1-1757 is a compression driver specifically designed for optimum performance across the critical vocal band. This makes the product ideal for voice applications where maximum clarity and intelligibility is demanded.

This driver features Celestion technology built in, including a 1.75" (44mm) edgewound copper clad aluminium voice coil; tough, single piece polyimide diaphragm/surround; plus finite element analysis (FEA) optimised magnet assembly and phase plug. This enables the driver to deliver 120W continuous power handling (60Wrms, AES standard) and 107dB sensitivity.

A standard 1.38" (35mm) screw fitting provides maximum compatibility with a range of Celestion and third party horn flares.

- 1" exit, ferrite magnet, high efficiency compression driver with 1.75" edgewound copper clad aluminium voice coil offering 120W continuous (60Wrms, AES standard) power handling
- Purpose-designed to provide enhanced performance in the vocal range, for superb clarity and intelligibility
- Single piece, polyimide diaphragm and surround delivers low noise, high output performance with 107dB output sensitivity
- Next generation proprietary Sound Castle™ soft diaphragm clamping system for superb reliability, even in the most demanding of applications
- 800Hz recommended minimum crossover frequency (12dB/oct)
- Finite Element Analysis (FEA) optimised design maximises overall performance

