



One-Inch Exit Compression Drivers

By George Petersen

With all the emphasis on larger 1.5- and 2-inch exit compression drivers, it seems that the long-time, industry-standard 1-inch exit drivers have less importance today. Yet, actually the opposite is true, and with the rise of small-format line array designs and compact top boxes for speaker-on-a-stick systems, our old friend the 1-inch exit HF driver is back in style, big time. We surveyed the market looking at entries in this category from a number of manufacturers and found a wide range of models to suit nearly any budget (prices given

are street or MAP), as well as various applications and horn mounting options — in both bolt-on and 1-3/8-inch threaded screw-on variants. Please note that a fair number of companies not listed also make 1-inch drivers, but limit their sale mostly as replacement parts for their existing speakers and are not included in this survey. We also didn't include drivers made specifically for high-impedance (i.e., 70-volt) or paging/announce applications. And should you require more information, datasheets, etc., each company's URL is included, for more exploring.

B-52 COMP-4CLB



Magnet: Ferrite
Diaphragm: PETB film
Power Rating: 80 Watts
Frequency Response: 800 Hz to 18 kHz
Impedance: 8 ohms
Voice Coil: 1.75"
Crossover Frequency: >1.2 kHz
Weight: 6 pounds
Mount: Bolt-on (screw-on also avail.)
Price: \$80

b-52pro.com

Community VHF100



Magnet: Ferrite
Diaphragm: Non-metallic
Power Rating: 50 Watts
Frequency Response: 1.8 kHz to 18 kHz
Sensitivity: 111 dB SPL, 1W/1m
Impedance: 8 ohms
Voice Coil: 2"
Crossover Frequency: >1.8 kHz
Weight: 5.9 pounds
Mount: 4-hole bolt-on
Price: \$307

communitypro.com

B&C DE500



Magnet: Neodymium
Diaphragm: Titanium
Power Rating: 50 Watts
Frequency Response: 1 kHz to 18 kHz
Sensitivity: 107 dB SPL, 1W/1m
Impedance: 8 ohms (16-ohm avail.)
Voice Coil: 1.7"
Crossover Frequency: >1.5 kHz
Weight: 3.3 pounds
Mount: 2-hole bolt-on
Price: \$190

bcspeakers.com

DAS M-50N



Magnet: Neodymium
Diaphragm: Titanium
Power Rating: 50 Watts
Frequency Response: 1 kHz to 20 kHz
Sensitivity: 107 dB SPL, 1W/1m
Impedance: 8 ohms
Voice Coil: 1.75"
Crossover Frequency: >1 kHz
Weight: 2 pounds
Mount: Screw-on
Price: \$199

dasaudio.com

Beyma CD10Nd



Magnet: Neodymium
Diaphragm: Aluminum
Power Rating: 70 Watts
Frequency Response: 700 Hz to 19k Hz
Sensitivity: 111 dB SPL, 1W/1m
Impedance: 8 ohms
Voice Coil: 1.75"
Crossover Frequency: >1.2 kHz
Weight: 2.7 pounds
Mount: 2-hole or 3-hole bolt-on
Price: \$199

profesional.beyma.com

Eighteen Sound ND1090



Magnet: Neodymium
Diaphragm: Titanium
Power Rating: 50 Watts
Frequency Response: 1.6 kHz to 20 kHz
Sensitivity: 110 dB (1W/1m)
Impedance: 8 ohm (16 ohm also avail.)
Voice Coil: 1.75"
Crossover Frequency: >1.6 kHz
Weight: 2.6 pounds
Mount: 4-hole (M6)
Price: \$200

eighteensound.com

Celestion CDX1-1720



Magnet: Neodymium
Diaphragm: PETP film
Power Rating: 75 Watts
Frequency Response: 1.2 kHz to 20 kHz
Sensitivity: 110 dB SPL, 1W/1m
Impedance: 8 ohms
Voice Coil: 1.75"
Crossover Frequency: >2.2 kHz
Weight: 1.4 pounds
Mount: 4-hole bolt-on (M6 thread)
Price: \$130

celestion.com

Eminence NSD:2005-8



Magnet: Neodymium
Diaphragm: Titanium
Power Rating: 50 Watts
Frequency Response: 1.5 kHz to 20 kHz
Sensitivity: 111 dB SPL, 1W/1m
Impedance: 8 ohms (16-ohm also avail.)
Voice Coil: 2"
Crossover Frequency: >1.5 kHz
Weight: 2 pounds
Mount: 2-hole bolt-on
Price: \$155

eminence.com

Fostex D1400



Magnet: Alnico
Diaphragm: Titanium
Power Rating: 60 Watts
Frequency Response: 650 Hz to 20 kHz
Sensitivity: 104 dB SPL, 1W/1m
Impedance: 8 ohms
Voice Coil: 2"
Crossover Frequency: >750 Hz
Weight: 7.6 pounds
Mount: 3-hole bolt-on
Price: \$596

fostexinternational.com

PRV D245-NDY



Magnet: Neodymium
Diaphragm: Titanium
Power Rating: 50 watts
Frequency Response: 1 kHz to 18 kHz
Sensitivity: 105 dB SPL, 1W/1m
Impedance: 8 ohms
Voice Coil: 1.75"
Crossover Frequency: >2 kHz
Weight: 1.1 pounds
Mount: 3-hole bolt-on
Price: \$75

prvaudio.com

JBL 2426H



Magnet: Ferrite
Diaphragm: Titanium
Power Rating: 70 Watts
Frequency Response: 800 Hz to 20 kHz
Sensitivity: 110 dB SPL, 1W/1m
Impedance: 8 ohms (2426J 16-ohm also avail.)
Voice Coil: 1.75"
Crossover Frequency: >800 Hz
Weight: 9.5 pounds
Mount: 3-hole bolt-on/removable flange for screw-on
Price: \$440 retail/\$350 street

jblpro.com

Radian 475PB



Magnet: Ferrite V
Diaphragm: Aluminum alloy
Power Rating: 50 Watts
Frequency Response: 800 Hz to 21 kHz
Sensitivity: 111 dB SPL, 1W/1m
Impedance: 8 ohms (16-ohm avail.)
Voice Coil: 1.75"
Crossover Frequency: >800 Hz
Weight: 6.4 pounds
Mount: 2-hole bolt-on
Price: \$178

radianaudio.com

P. Audio PreNeo-450N



Magnet: Neodymium
Diaphragm: Titanium
Power Rating: 80 Watts
Frequency Response: 1 kHz to 20 kHz
Sensitivity: 110 dB SPL, 1W/1m
Impedance: 8 ohms
Voice Coil: 1.75"
Crossover Frequency: >1.5 kHz
Weight: 4.2 pounds
Mount: 3-hole bolt-on
Price: \$158

paudiothailand.com

RCF ND350



Magnet: Neodymium
Diaphragm: Titanium
Power Rating: 50 Watts
Frequency Response: 1.2 kHz to 20 kHz
Sensitivity: 109 dB SPL, 1W/1m
Impedance: 8 ohms
Voice Coil: 1.75"
Crossover Frequency: >1.5 kHz
Weight: 2.2 pounds
Mount: 4-hole bolt-on
Price: \$120

rcf.it

Peavey RX22



Magnet: Ferrite
Diaphragm: Titanium
Power Rating: 70 Watts
Frequency Response: 500 Hz to 20 kHz
Sensitivity: 111 dB SPL, 1W/1m
Impedance: 8 ohms
Voice Coil: 2"
Crossover Frequency: >1.2 kHz
Weight: 5.4 pounds
Mount: Screw-on
Price: \$99

peavey.com

Selenium Pro D220TI



Magnet: Barium Ferrite
Diaphragm: Titanium
Power Rating: 27 Watts
Frequency Response: 1kHz to 21kHz
Sensitivity: 109 dB SPL, 1W/1m
Impedance: 8 ohms (16-ohm avail.)
Voice Coil: 1.7"
Crossover Frequency: >2kHz
Weight: 3.9 pounds
Mount: Screw-on
Price: \$50

jblselenium.com