EDM SUB

The EDM Sub is a bandpass design featuring two M-Force 301P02 transducer, which can be built both as an active or a passive infra-sub, driven by an M-Drive amplifier module coupled with a DSPL ETH or an X4L amplifier platform respectively. When powered by an X4L, the sub can be connected to a Dante network.
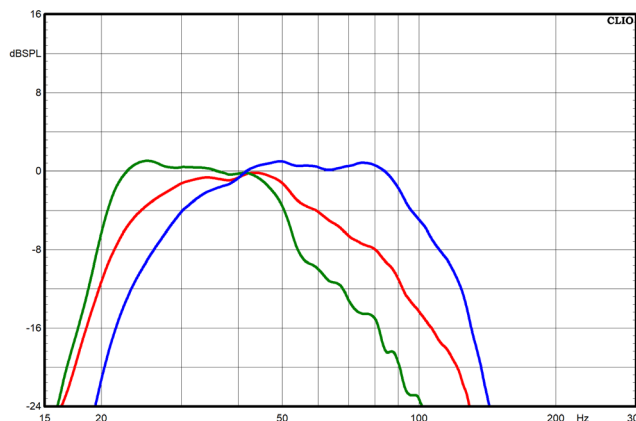
This double 30" configuration is surprisingly compact and can reach a maximum SPL of 147.3 dB @ 1m (ANSI/CEA2010B) when driven with an M-Drive, and of 146.1 dB when driven by an X4L.

The M-Force features no power compression, and the DPC is available on M-Drive equipped boxes for better bass control.

The four available presets ensure ample coverage for different music programs: Standard, Punch, Infra, and a Cardioid version of the Standard one.

Frequency Response (half space)

Acoustic and Mechanical Specifications

Frequency Response - Standard Preset	🔴	21 Hz - 88 Hz (-10 dB) Half Space
Frequency Response - Infra Preset	🟢	18 Hz - 60 Hz (-10 dB) Half Space
Frequency Response - Punch Preset	🔵	24 Hz - 120 Hz (-10 dB) Half Space
Dimensions (W x H x D)		1200 x 800 x 1018 mm 47.2 x 31.5 x 40.1 in
Estimated Weight		180 kg*

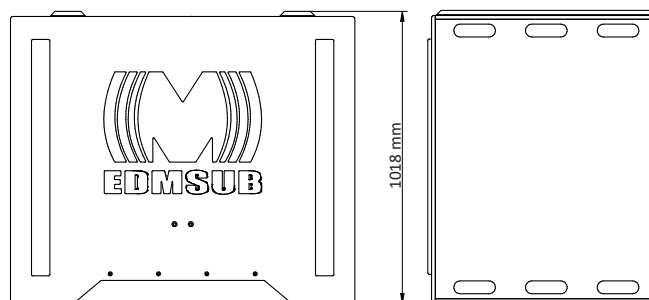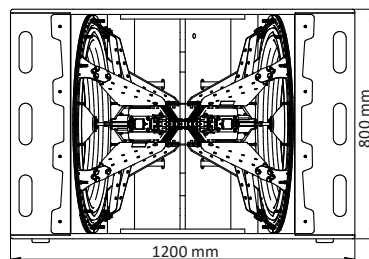*Weight may vary depending on construction and accessories.

DSP Specifications

AD/DA Converter	24 bit @ 48 kHz
Input Delay	340 ms
Equalizer	Complete parametric equalizers and IIR filters set
Avaialble presets (with full protection)	Standard, Punch, Infra, Cardioid Standard
ArmoníaPlus™ remote control environment under Ethernet connectivity	

M-Drive Specifications

V Peak	310 V_{peak}
A Peak	200 A_{peak}
Nominal Power Requirement	AC 100 V - 240 V, 50/60 Hz
Long Term Mains Power Consumption	1500 W

Dimensions

Bill of Materials

Name	Code	Description
M-FORCE 301P02 (2X)	PF000605	MF01 MS 30" HDPE 3 MM W
M-Drive amp module	PF000315	M-Drive
DPC Sensor	SM000530	DPC Pressure Sensor
DSP-Lite EM	DSPLE005	DSP Lite EM for M Drive
Heatsink for M-Drive	HS0MD001	Heatsink M-Drive kit (with EMC filter, fans, power supply connectors)
USB-RS485 Converter	PC000096	M-Drive programming interface (only one needed for multiple builds)