

B·HYPE

B·H series aims to provide a professional yet efficient sonic performance to all kind of users, combining an extremely efficient CLASS D amplifier with aggressive sound pressure levels (up to 126,5 dB for the 15" cabinet), while delivering the most accurate sound reproduction.



ACOUSTICAL SPECIFICATIONS

Frequency response [-10dB]:	65 - 20k Hz (B-HYPE 8) / 55 - 20k Hz (B-HYPE 10) / 55 - 20k Hz (B-HYPE 12) / 51 - 20k Hz (B-HYPE 15)
Frequency response [-6dB]:	70 - 19.6k Hz (B-HYPE 8) / 62 - 19.6k Hz (B-HYPE 10) / 61 - 19.5k Hz (B-HYPE 12) / 57 - 19.7k Hz (B-HYPE 15)
Max SPL:	120 dB (B-HYPE 8) / 121 dB (B-HYPE 10) / 126 dB (B-HYPE 12) / 126.5 dB (B-HYPE 15)
HF compression driver:	1" (output)
LF:	8" (B-HYPE 8), 10" (B-HYPE 10), 12" (B-HYPE 12), 15" (B-HYPE 15)
LF voice coil:	1.5" (B-HYPE 8 - 10) / 2" ()
Crossover frequency:	2300 Hz (B-HYPE 8 - 10) / 2100 Hz (B-HYPE 12 - 15)
Directivity:	Asymmetrical vertical - Differentiated horizontal
Coverage (HxV):	85° - 120° x 80° (+25°/-60°)

AMPLIFIER

Type:	AMP SMPS
Amplification class	Class D
Power supply	1 x VDE
RMS amplifier power:	260 W (B-HYPE 8 - B-HYPE 10) / 400 W (B-HYPE 12 - B-HYPE 15)
Crossover frequency:	2300 Hz (B-HYPE 8 - 10) / 2100 Hz (B-HYPE 12 - 15)
Directivity:	Asymmetrical vertical - Differentiated horizontal
Coverage (HxV):	85° - 120° x 80° (+25°/-60°)

PROCESSOR

Internal controller:	28-bit/56-bit DSP
A/D D/A converter:	24 bit/48 kHz
Limiter:	Peak, RMS, Thermal
RMS amplifier power:	130 W (B-HYPE 8 - B-HYPE 10) / 200 W (B-HYPE 12 - B-HYPE 15)
Crossover frequency:	2300 Hz (B-HYPE 8 - 10) / 2100 Hz (B-HYPE 12 - 15)
Directivity:	Asymmetrical vertical - Differentiated horizontal
Coverage (HxV):	85° - 120° x 80° (+25°/-60°)

USER INTERFACE

Controls:	Volume, input selector, DSP preset
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INPUTS & OUTPUTS

Input:	1 x Combo (XLR/Jack) Balanced Input
Output:	1x XLR Balanced Link
Limiter:	Peak, RMS, Thermal
RMS amplifier power:	130 W (B-HYPE 8 - B-HYPE 10) / 200 W (B-HYPE 12 - B-HYPE 15)
Crossover frequency:	2300 Hz (B-HYPE 8 - 10) / 2100 Hz (B-HYPE 12 - 15)
Directivity:	Asymmetrical vertical - Differentiated horizontal
Coverage (HxV):	85° - 120° x 80° (+25°/-60°)

POWER SUPPLY SPECIFICATIONS (ABSORPTION / INSTALLATION)

Absorption at 1/8th of power in medium use conditions (*):	(B-HYPE 8 - B-HYPE 10) 0.29 A (220-240V~) - 0.50 A (110-120V~) (B-HYPE 12 - B-HYPE 15) 0.42 A (220-240V~) - 0.95 A (110-120V~)
Absorption at 1/3rd of power in maximum use conditions (**):	(B-HYPE 8 - B-HYPE 10) 0.49 A (220-240V~) - 0.85 A (110-120V~) (B-HYPE 12 - B-HYPE 15) 0.85 A (220-240V~) - 1.8 A (110-120V~)
Absorption with speaker on while idle:	(B-HYPE 8- B-HYPE 10) 15 W / (B-HYPE 12- B-HYPE 15) 20 W
Inrush current:	(B-HYPE 8- B-HYPE 10) 12.03 A / (B-HYPE 12- B-HYPE 15) 12.96 A

*** NOTE FOR INSTALLER:** Values refer to 1/8th of power, under average operating conditions (music programme with occasional or no clipping). For any type of configuration we recommend to consider them as minimum sizing values.

**** NOTE FOR INSTALLER:** Values refer to 1/3rd of power, under heavy operating conditions (music programme with frequent clipping and limiter activation). In case of professional installations and tours we recommend sizing according to these values.

DIMENSIONS

Material:	PP polypropylene
Grille:	NC-machined
Handles:	3 (2 on sides, 1 on top)
Pole mount:	Yes, 36 mm
Width:	243 mm (B-HYPE 8) 295 mm (B-HYPE 10) 350 mm (B-HYPE 12) 415 mm (B-HYPE 15)
Height:	443 mm (B-HYPE 8) 544 mm (B-HYPE 10) 645 mm (B-HYPE 12) 725 mm (B-HYPE 15)
Depth:	231 mm (B-HYPE 8) 283 mm (B-HYPE 10) 330 mm (B-HYPE 12) 391 mm (B-HYPE 15)
Weight:	6.6 kg (B-HYPE 8) 9 kg (B-HYPE 8) 13.9 kg (B-HYPE 8) 17.4 kg (B-HYPE 8)

Product features, specifications and appearance are subject to changes without prior notice. dBTechnologies reserves the right to make changes or improvements in design or manufacture without any obligation to incorporate such changes or improvements in products manufactured before their introduction.



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