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# Dutch & Dutch

## 8C

Technical Specifications  
Version 2.0  
March 2019



DUTCH & DUTCH

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## Technical specifications

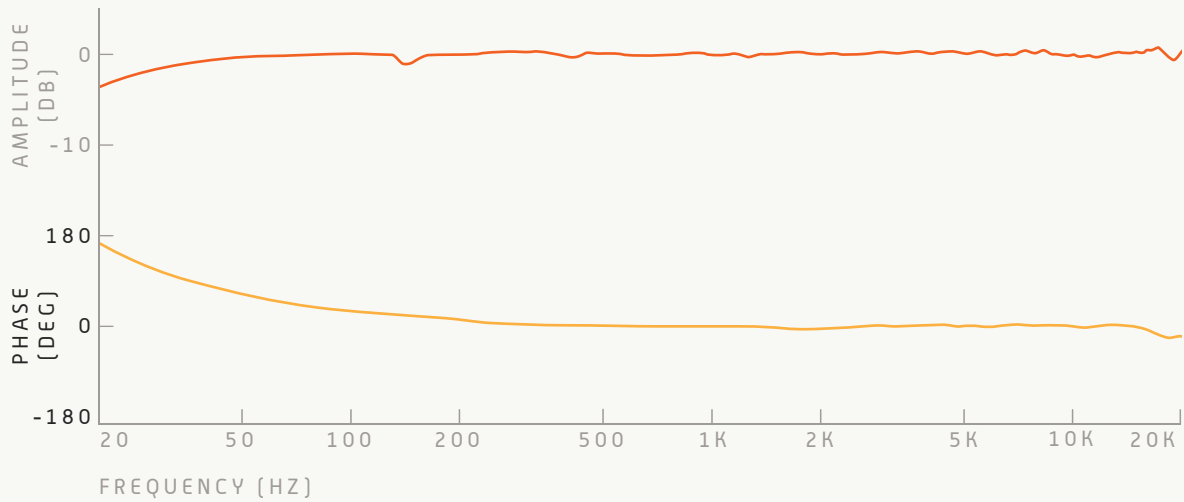
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|                         |   |
|-------------------------|---|
| DRIVERS:                | LF: 8" ALUMINIUM CONE (2X)<br>MF: 8" ALUMINIUM CONE<br>HF: 1" ALUMINIUM / MAGNESIUM ALLOY DOME  |
| CROSSOVERS:             | 100 HZ & 1250 HZ, 4TH ORDER LINKWITZ-RILEY,<br>LINEAR PHASE   |
| ENCLOSURE TYPE:         | LF: SEALED<br>MF: ACOUSTIC CARDIOID   |
| MAX LINEAR SPL @ 1M:    | 106 DB CONTINUOUS FROM 35 HZ UPWARDS*   |
| AMPLIFIER POWER:        | LF: 500 W<br>MF: 250 W<br>HF: 250 W   |
| AMPLIFIER TYPE:         | CLASS D, POWER FACTOR CORRECTION, HYBRID COOLING  |
| MAINS INPUT VOLTAGE:    | 110V – 230V AC, 50 – 60 HZ  |
| DIMENSIONS (H X W X D): | 485 X 270 X 380 MM (19 X 10.5 X 15 IN)  |
| WEIGHT:                 | 26 KG (57 LBS)  |
| CABINET CONSTRUCTION:   | SIDE AND TOP PANELS: 19 MM SOLID OAK WOOD<br>INTERNAL CONSTRUCTION: 18MM BIRCH PLYWOOD<br>OUTER Baffle: INJECTION MOULDED ABS, DAMPED |
| ANALOG INPUT:           | BALANCED AUDIO OVER XLR<br>SENSITIVITY SWITCH: +4 DBU / -10 DBV<br>PEAK INPUT LEVEL: +24 DBU [+4 DBU SETTING]                         |
| ANALOG OUTPUT:          | DSP CONTROLLED OUTPUT FOR ACTIVE SUBWOOFER  |
| DIGITAL INPUT:          | AES3 OVER XLR<br>LEFT / RIGHT / MONO CHANNEL SWITCH   |
| DIGITAL OUTPUT:         | AES3 LOOP THROUGH OVER XLR  |
| NETWORKING:             | ETHERNET OVER RJ45  |
| PROTECTION FUNCTIONS:   | THERMAL<br>DC / CLIPPING  |

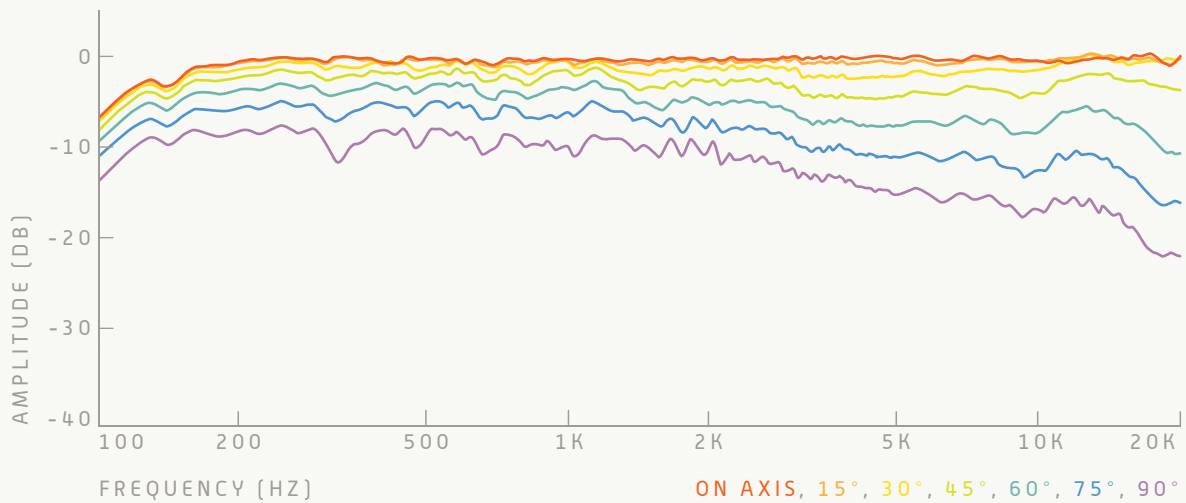
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\*IN HALF SPACE RADIATION CONDITIONS

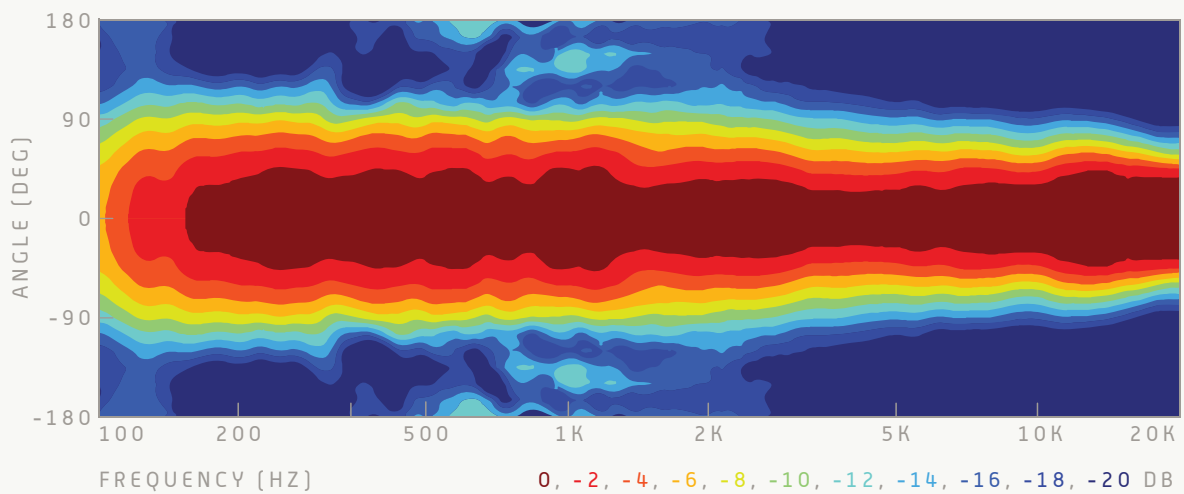
### On axis frequency and phase response\*



### Horizontal frequency responses\*\*



### Horizontal directivity plot\*\*



\* 1/24 octave smoothing. Anechoic chamber measurement above 100 Hz ( $4\pi$  radiation). Below 100 Hz, ground plane measurement technique is used ( $2\pi$  radiation) because of limitations of the anechoic chamber. Actual output and cutoff frequency can be adjusted electronically according to the acoustics of the listening room.

\*\* Frequency responses: 1/24 octave smoothing; directivity plot: 1/6 octave smoothing. Directivity characteristics are shown for the MF and HF sections only (100 Hz upwards) as LF radiation depends on acoustical boundary conditions.