

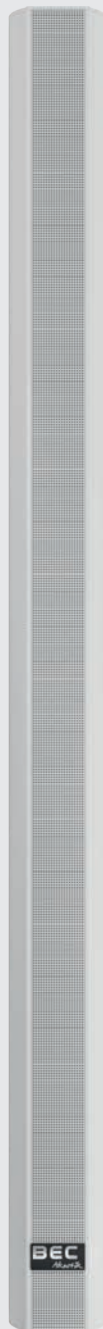
BEC

Akustik

More than 25 years German Engineering



SPEAKER



IC 120

► TECHNICAL DATA

Impedance	4 Ω
Frequency range	120 Hz - 20 kHz
System	Line array speaker
Broadband driver	4 x (20 x 120 mm)
Rated Power	40 W
Maximum power	80 W

► RADIATION

Radiation angle, horizontal	160°
Radiation angle, vertical	40°
Sensitivity	88 dB/W/m
Max. rated SPL	106 dB

► HOUSING

Material	Aluminium
Color	Black, white, silver, gold special on request
Number of drivers	4
Mounting	Metal angle bracket (Standard) In-Wall mounting on request
Permissible operating temp.	0 - 100 °C
Width	37,5 mm
Hight	1206 mm
Depth	23 mm



IC 100

► TECHNICAL DATA

Impedance	6 Ω
Frequency range	120 Hz - 20 kHz
System	Line array speaker
Broadband driver	3 x (20 x 120 mm)
Rated Power	30 W
Maximum power	60 W

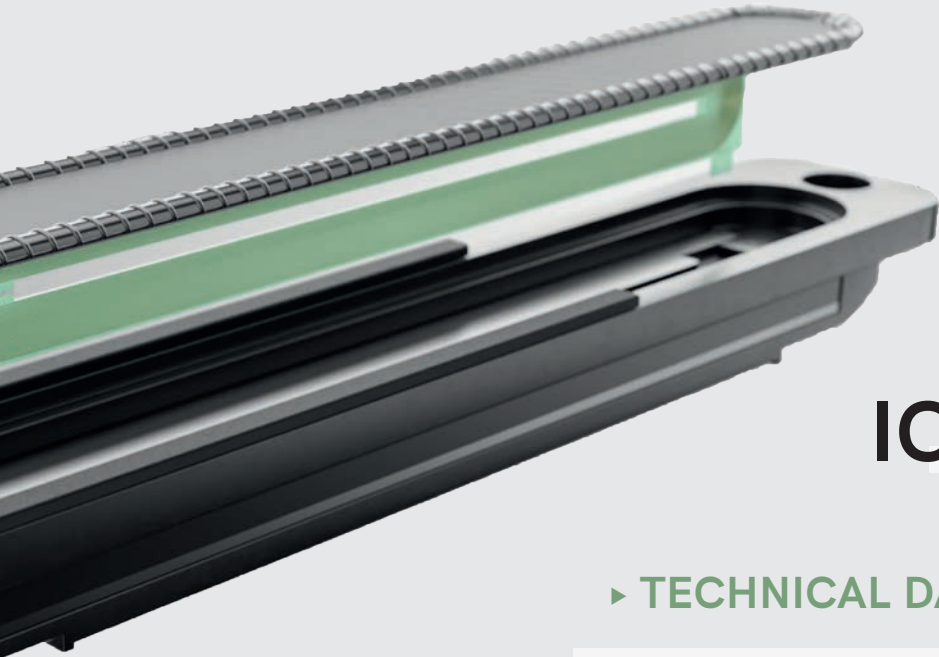
► RADIATION

Radiation angle, horizontal	160°
Radiation angle, vertical	40°
Sensitivity	86 dB/W/m
Max. rated SPL	102 dB

► HOUSING

Material	Aluminium
Color	Black, white, silver, gold, special on request
Number of drivers	3
Mounting	Metal angle bracket (standard) In-Wall mounting on request
Permissible operating temp.	0°-100° C
Width	37,5 mm
Hight	998 mm
Depth	23 mm





IC 70

► TECHNICAL DATA

Impedance	6 Ω
Frequency range	120 Hz - 20 kHz
System	Line array speaker
Broadband driver	3 x (20 x 120 mm)
Rated Power	30 W
Maximum power	60 W

► RADIATION

Radiation angle, horizontal	160°
Radiation angle, vertical	40°
Sensitivity	86 dB/W/m
Max. rated SPL	102 dB/W/m

► HOUSING

Material	Aluminium
Color	Black, white, silver, gold, special on request
Number of speakers	3
Mounting	Metal angle bracket (standard) In-Wall mounting On request
Permissible operating temp.	0 - 100 °C
Width	37,5 mm
Hight	698 mm
Depth	23 mm



IC 50

► TECHNICAL DATA

Impedance	8 Ω
Frequency range	120 Hz – 20 kHz
System	Line array speaker
Broadband driver	3 x (20 x 120 mm)
Rated Power	20 W
Maximum power	40 W

► RADIATION

Radiation angle, horizontal	160°
Radiation angle, vertical	40°
Sensitivity	86 dB/W/m
Max. rated SPL	98 dB

► HOUSING

Material	Aluminium
Color	Black, white, silver, gold special on request
Number of drivers	2
Mounting	Metal angle bracket (standard) In-Wall mounting on request
Permissible operating temp.	0 – 100 °C
Width	37,5 mm
Hight	498 mm
Depth	23 mms



APPLICATION FIELD

- Installation
- In-wall solutions
- HiFi Surround
- Mobile sound reinforcement



AMPLIFIER

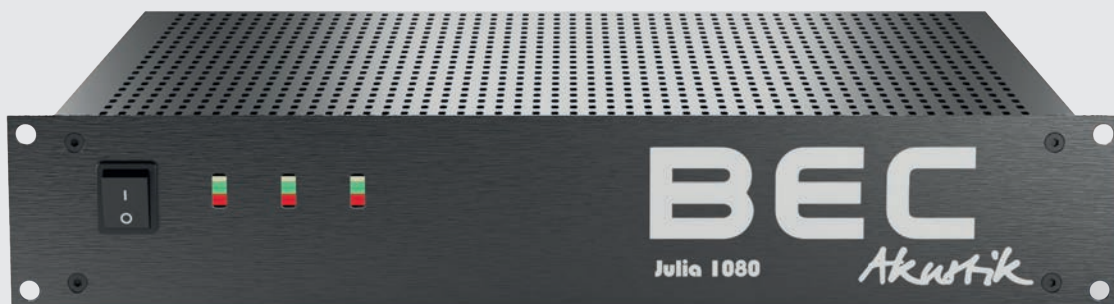
JULIA 1080

► DEVICE TYPE

Class-D amplifier

► TECHNICAL DATA

Power (sin.) at 8 Ohm	6x 120 W or 6x 180 W
Power (sin.) at 4 Ohm	6x 180 W or 6x 120 W
Power (sin.) at 8 Ohm bridged	1x 540 W or 1x 750 W
Frequency range	20 Hz - 35 kHz
THD	20 Hz - 20 kHz) 1W by max. 0,02%
Damping factor at 8 Ohm/ 1 kHz	250
Input sensitivity	26 dB/ 29 dB/ 32 dB/ 34 dB
Input connections	XLR
Output connections	Speakon
Dimensions:	
Height in U (mm):	2 (88)
Width	19" / 482 mm
Depth	280 mm
Weight	8 kg



BOB 540

► DEVICE TYPE

Class-D amplifier

► TECHNICAL DATA

Power (sin.) at 8 Ohm	3x 120 W or 3x 180 W
Power (sin.) at 4 Ohm	3x 180 W or 6x 250 W
Power (sin.) at 8 Ohm bridged	3x 540 W or 3x 750 W
Frequency range	20 Hz - 35 kHz
THD	20 Hz - 20 kHz) 1W at max. 0,02%
Damping factor at 8 Ohm/ 1 kHz	250
Input sensitivity	26 dB/ 29 dB/ 32 dB/ 34 dB
Input connections	XLR
Output connections	Speakon
Dimensions:	
Height in U (mm):	2 (88)
Width	9" / 230 mm
Depth	280 mm
Weight	4 kg



EVA 6

► DEVICE TYPE

Class-H amplifier

► TECHNICAL DATA

Power (sin.) at 8 Ohm	2x 420 W
Power (sin.) at 4 Ohm	2x 600 W
Power (sin.) at 2 Ohm	2x 750 W
Power (sin.) at 4 Ohm bridged	1x 1500 W
Frequency range	20 - 20.000 Hz
Slew rate	35 V/μs
THD	0,01 %
Damping factor at 8 Ohm/ 1 kHz	350
Signal to Noise Ratio	>100 dB
Input impedance symm.	20 kOhm
Channel separation	> 65 dB
Input sensitivity	33 dB/ 1Volt
Input connections	XLR
Output connections	Speakon
Dimensions:	
Height in U (mm):	2 (88)
Width	19" / 482 mm
Depth	358 mm
Weight	15,5 kg



EVA 9

► DEVICE TYPE

Class-H amplifier

► TECHNICAL DATA

Power (sin.) at 8 Ohm	2x 750 W
Power (sin.) at 4 Ohm	2x 920 W
Power (sin.) at 2 Ohm	2x 1200 W
Power (sin.) at 4 Ohm bridged	1x 2400 W
Frequency response	20 - 20 kHz
Slew rate	37 V/ μ s
Total - THD	0,01 %
Damping factor at 8 ohms / 1 kHz	400
Signal to Noise Ratio	>100 dB
Input impedance symm.	20 kOhm
Channel separation	> 65 dB
Input sensitivity	33 dB/ 1 Volt
Input connections	XLR
Output connections	Speakon
Dimensions:	
Height in U (mm):	2 (88)
Width	19" / 482 mm
Depth	358 mm
Weight	17,0 kg



SUBWOOFER

FLATBOYSLIM



► DEVICE TYPE

Passive bandpass flat subwoofer

► TECHNICAL DATA

Woofer	5,5" flat bass speaker
Frequency range	45 - 200 Hz
Crossover frequency	40 - 150 Hz
Power consumption	40 W AES

► CONNECTIONS

Input	RIA AKL 220-04 (+ - + -)
-------	---------------------------

► HOUSING

Material	HDF housing with textured paint, anodized aluminium cover plate
Color	Black, white
Dimensions	58 x 270 x 410 mm





PAUL 12.1

► DEVICE TYPE

passive high-performance
subwoofer

► TECHNICAL DATA



Woofer	1×12" woofer
Transmission range	30 - 200 Hz (-6dB)
Max. SPL 1 M	116 dB
Impedance	8 Ohm
Power consumption	900 W AES

► CONNECTIONS

Input	Speakon
-------	---------

► HOUSING

Material	Birch multiplex with polyurea coating
Color	Black
Dimensions	430 x 430 x 450 mm
Weight	26 kg



MORITZ 400-40

► **DEVICE TYPE**

Active subwoofer with
passive radiator

► **TECHNICAL DATA**

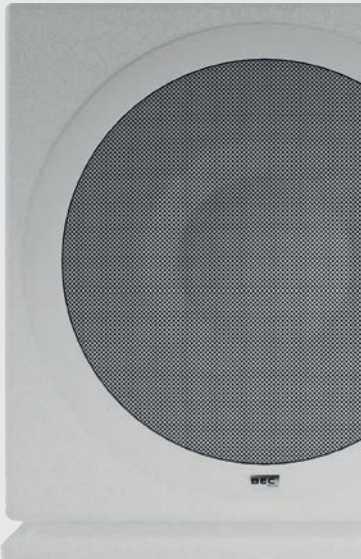
Woofer	10" bass speakers + 10 passive radiator
Frequency Range	28 - 150 Hz
Crossover frequency	50 - 150 Hz
Power consumption	200 W RMS

► **CONNECTIONS**

Input	1x Cinch (Stereo)
-------	-------------------

► **HOUSING**

Material	HDF housing with textured paint
Color	Black, white
Dimensions	364 x 343 x 343 mm
Weight	15 kg
Accessories	Power cord, spike set





LARS 6.2

► DEVICE TYPE

Double 6" compact
subwoofer

► TECHNICAL DATA

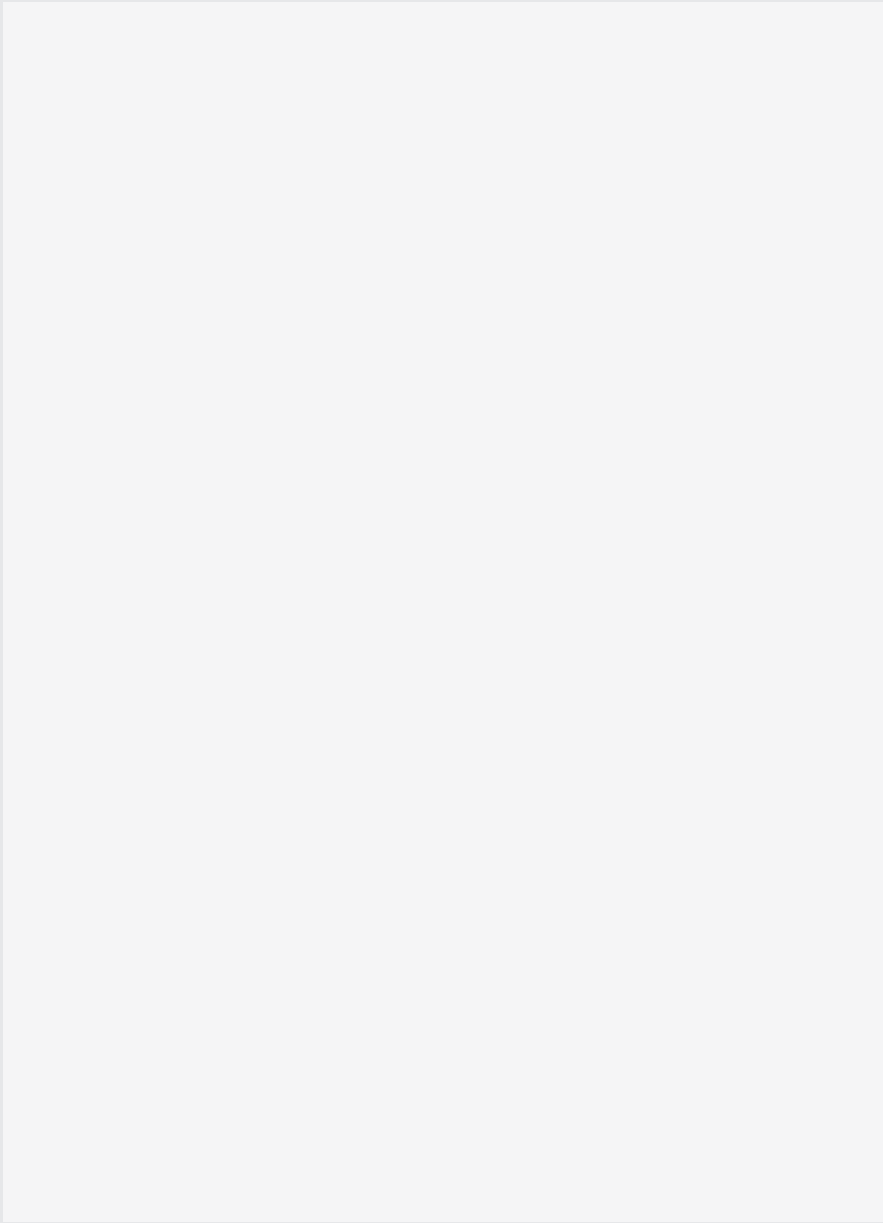
Woofer	2x 6" bass speakers
Frequency Range	35 - 200 Hz (-6dB)
Max. SPL	106 dB
Impedance	4 Ohm
power consumption	150 W AES

► CONNECTIONS

Input	Speakon
-------	---------

► HOUSING

Material	Birch multiplex with polyurea coating
Color	Black
Dimensions	260 x 435 x 390 mm
Weight	10 kg
Aufhängungen	2x M8 Gewinde



ACCESSORIES

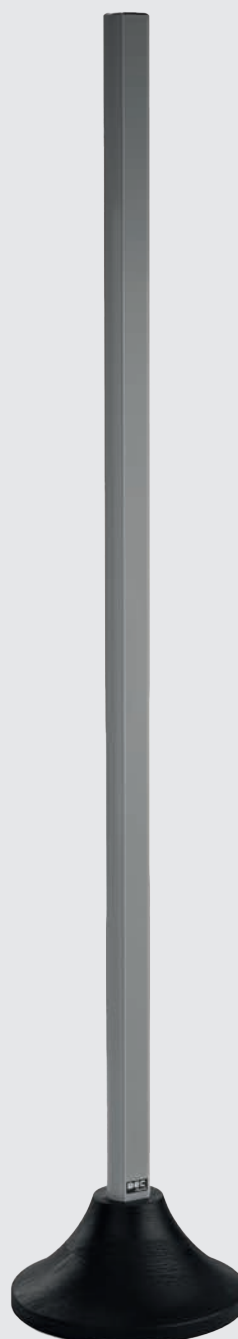
CROSSOVER FILTER FRED 2

Hand-wired with high-quality capacitors, made in Germany + integrated subwoofer output.



PEDESTAL TAJINE

Wooden pedestal.





PEDESTAL SORA

Solid and stable, made from southern German slate. With silicone inlay and cover cap.

The background of the page features a series of vertical, 3D-rendered bars of varying heights and colors. From left to right, the colors transition from yellow, through green, teal, blue, purple, red, grey, and finally to dark blue/black. The bars are positioned at the bottom of the page, creating a modern, architectural feel.

BEC Akustik, Division of BEC
Gesellschaft für Produktmanagement mbH
Zeichenstraße 55, D-47443 Moers
Tel.: + 49 2841 95506 - 0
Fax.: 49 2841 9550 - 625
Mail: info@bec-gmbh.de
www.bec-akustik.com