### MOTORITIES COLLECTION

2024



**ON-BOARD SYSTEMS** 



For more than four decades, Focal has created speaker drivers and high-end loudspeakers that deliver a unique sound. Our brand values are innovation and performance; excellence and pleasure. We are globally renowned for our exclusive technologies. The result of this technological heritage is class-leading products offering a natural, authentic performance, imbued with clarity and power.

With our Motorities Collection, we invite you to combine the pleasure of driving with the pleasure of pure sound.

All aboard for some exceptional listening experiences.





**O3.**K2 POWER

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POLYGLASS
LAST EDITION





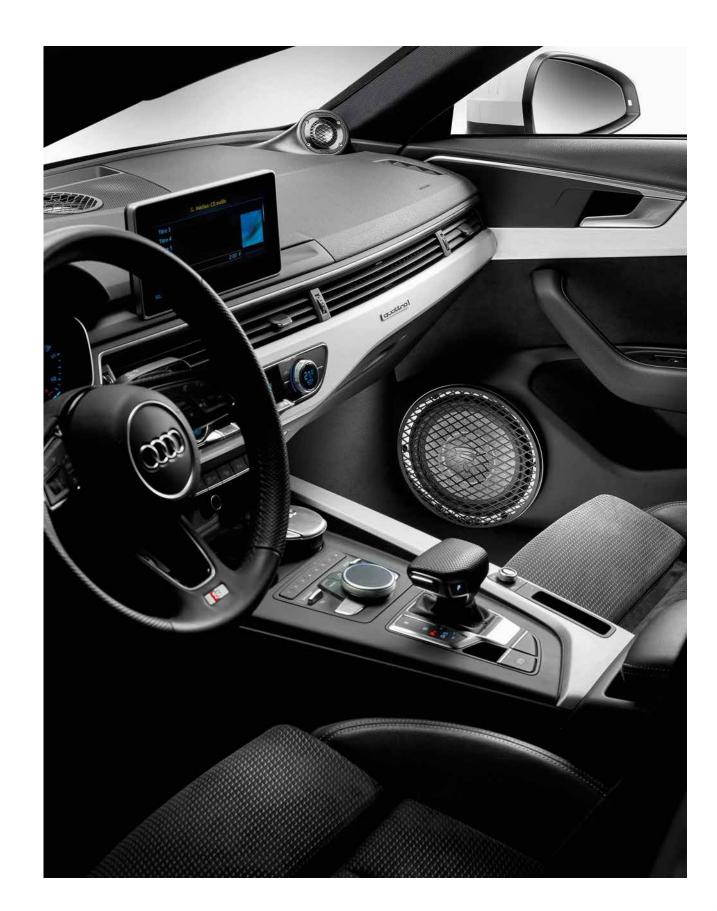


11.
ACCESSORIES
& ELECTRONICS

## O1. UTOPIA M

#### Simply excellent

The quintessence of Focal expertise and cutting-edge technology, the Utopia M product line takes sound excellence to a whole new level. The specially designed chassis is a subtle mix of tradition, performance and elegance in true French style. By choosing each speaker driver in the range based on your vehicle and your needs, you can build your own audio system for a fully bespoke set-up.





'M'-profile 'W' sandwich cone



Designer bowl



TMD<sup>®</sup> surround



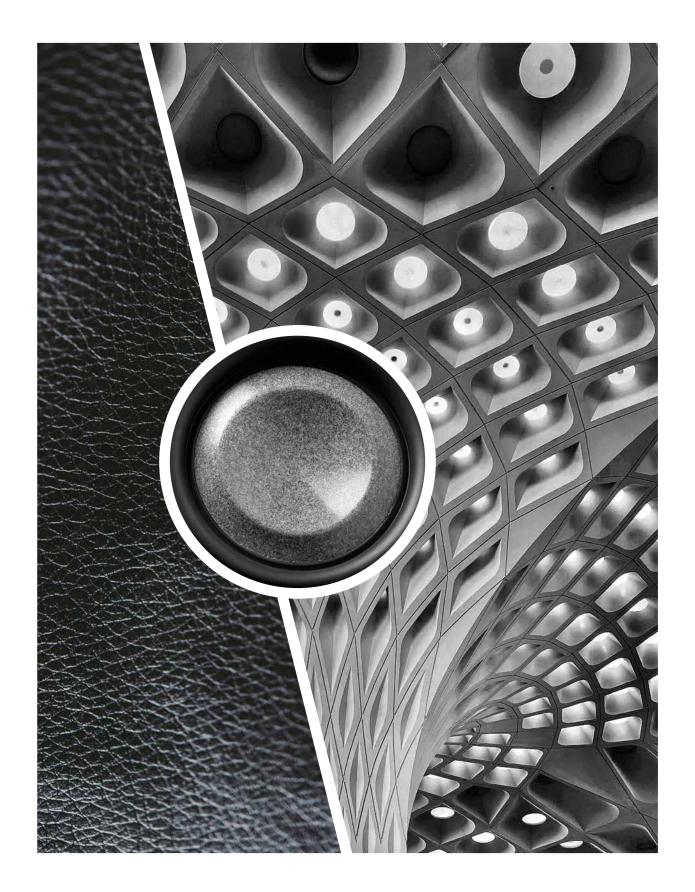
Neodymium magnet



'M'-shaped pure Beryllium tweeter



French manufacturing



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	ТВМ	3.5WM	6 WM	8 WM
Туре	Tweeter	Midrange	Woofer	Woofer
Diameter	-	3½" (87.5mm)	6½" (165mm)	8" (200mm)
Cone	'M'-shaped pure Beryllium dome	'M'-profile 'W'	'M'-profile 'W'	'M'-profile 'W'
Surround technology	Tuned Mass Damper (TMD*)	Tuned Mass Damper (TMD*)	Tuned Mass Damper (TMD®)	Tuned Mass Damper (TMD*)
Magnet	Neodymium	Neodymium	Neodymium	Neodymium
Mounting depth	5⁄16″ (9mm)	1¼" (31mm)	2" (51.5mm)	2½6" (52mm)
Voice coil diameter	1" (25m)	1¾" (45mm)	3½" (80mm)	3½" (80mm)
Impedance	4Ω	4Ω	4Ω	4Ω
Max. power	200W	100W	200W	200W
Nom. power	20W RMS	50W RMS	100W RMS	100W RMS
Sensitivity (2.83 V/1 m)	95dB	88dB	91.5dB	91.8dB
Frequency response	1,5kHz - 50kHz	200Hz - 10kHz	60Hz - 6kHz	45Hz - 5kHz
Suggested load volume	-	-	-	-
Accessories	Supplied mounting brackets	Optional grille	Optional grille	Optional grille





#### **10WM**

Subwoofer

10" (250mm)

'M'-profile 'W'

Neodymium

4¼" (108mm)

(120mm)

2 x 4Ω

800W

87.5dB

400W RMS

25Hz - 800Hz

Sealed enclosure: 0.35 to 0.52 cu ft

Dual voice coil 4¾"

#### UTOPIA 165 W-XP

Туре	2-way component kit
 Diameter	6½" (165mm)
 Cone	'W' sandwich
 Surround technology	Tuned Mass Damper (TMD®)
 Motor	Ferrite
 Mounting depth	2 <sup>15</sup> /16" (74mm)
 Voice coil diameter	1¼" (32mm)
Tweeter	'M'-shaped pure Beryllium dome
 Crossover	Separated: 12/18dB bi-amp
 Adjustable tweeter level	+3; 0; -3dB/oct
 Impedance	2Ω
 Max. power	200W
 Nom. power	100W RMS
 Sensitivity (2.83 V/1 m)	93dB
 Frequency response	60Hz - 40kHz
Accessories	Grilles included



#### 3½" GRILLE

Optional 'M' profile aluminium ring



#### 6" GRILLE

Optional 'M' profile aluminium ring



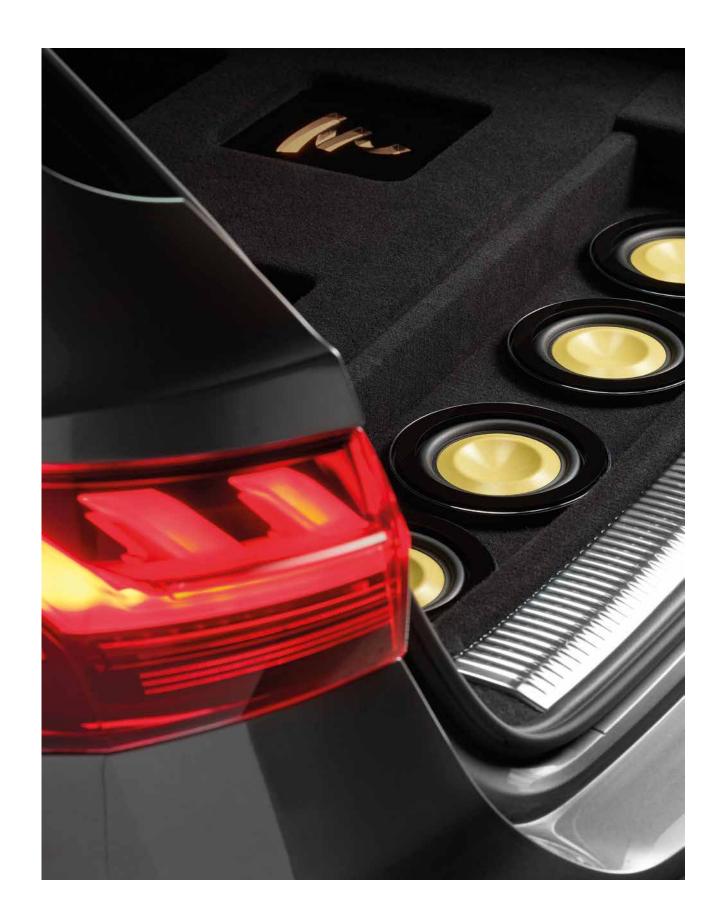
#### 8" GRILLE

Optional 'M' profile aluminium ring

## O2. K2 POWER M

#### Power with style

Iconic K2 cone, 'M'-profile, TMD® surround, etc... Focal has combined several of its finest technologies to create K2 Power M. These speaker drivers are characterised by power, precision and compact design, offering unparalleled musicality and pure high-fidelity in-car sound. The brand new FRAK tweeter brings unprecedented dynamics to your installation; it combines perfectly with the other products from the range for a unique sonic experience and 'à la carte' installation.









French manufacturing



TMD<sup>®</sup> surround



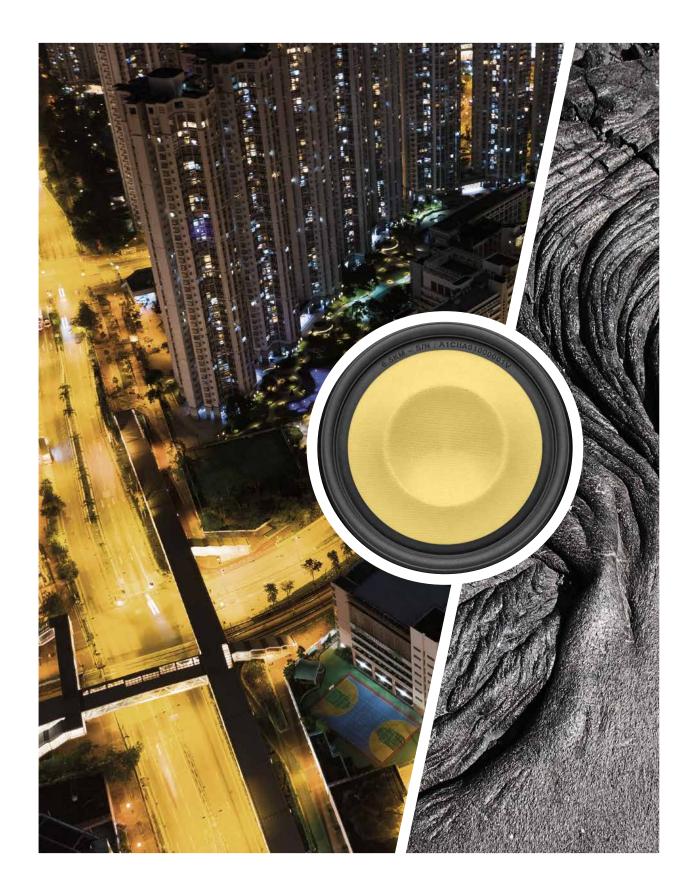
Neodymium magnet



FRAK Tweeter



'M'-shaped grille



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	FRAK	3 KM	6.5 KM
Туре	Tweeter	Medium	Woofer
Diameter	1¼" (32mm)	3" (80mm)	6½" (165mm)
Cone	'M'-shaped Aluminium-Magnesium	'M'-profile K2 sandwich	'M'-profile K2 sandwich
Surround technology	Tuned Mass Damper (TMD®)	Tuned Mass Damper (TMD*)	Tuned Mass Damper (TMD®)
Magnet	Neodymium	Neodymium	Ferrite
Mounting depth	<sup>3</sup> ⁄ <sub>4</sub> " (19.5mm)	11/8" (27.3mm)	2½" (54mm)
Voice coil diameter	1" (25mm)	1¾" (35mm)	2¾" (60mm)
Impedance	4Ω	4Ω	4Ω
Max. power	150W	120W	240W
Nom. power	25W RMS	60W RMS	120W RMS
Sensitivity (2.83 V/1 m)	91dB	89dB	92.5dB
Frequency response	600Hz - 32kHz	200Hz - 9kHz	50Hz - 5kHz
Suggested load volume	-	-	-
Accessories	Mounting accessories and grilles included	Optional grille	Optional grille



#### SUB 5 KM

Subwoofer

5" (145mm)

'M'-profile K2 sandwich

Catenary profile

Ferrite

2¾" (69mm)

2¾" (60mm)

4Ω

400W

200W RMS

86dB

35Hz - 250Hz

4I / 41Hz (sealed) 6I / 39Hz (sealed)

Optional grille



3" GRILLE

Optional 'M' profile aluminium ring



5" GRILLE

Optional 'M' profile aluminium ring



6½" GRILLE

Optional 'M' profile aluminium ring

## O3. K2 POWER

#### **K2-sized emotions**

Aniconic line with its aramid fibre cone, K2 Power is the definition of performance, power and style. Over the years, we have preserved this precious K2 DNA, whilst integrating our latest innovations into the kits, so we can continue to deliver the best. Developments include: super shallow depth kits, making them highly compact without losing energy and kits fitted with the FRAK tweeter to give your system unprecedented dynamics.









French manufacturing



TMD<sup>®</sup> surround



Ventilated magnet



FRAK tweeter



'M'-shaped K2 tweeter











	EC 165 KE	ES 100 KE	ES 165 K2E
Туре	2-way coaxial kit	2-way component kit	2-way component kit
Diameter	6½" (165mm)	4" (100mm)	6½" (165mm)
Cone	K2 sandwich	K2 sandwich	K2 sandwich
Surround technology	Tuned Mass Damper (TMD*)	Tuned Mass Damper (TMD*)	Tuned Mass Damper (TMD*)
Magnet	Ferrite	Neodymium	Ferrite
Mounting depth	2 <sup>15</sup> /16" (74mm)	1½" (39mm)	2 <sup>15</sup> /16" (74mm)
Voice coil diameter	1" (25mm)	<sup>3</sup> / <sub>4</sub> " (20mm)	1¼" (32mm)
Tweeter	Coaxial K2 sandwich 'M'-shaped	K2 sandwich 'M'-shaped	K2 sandwich 'M'-shaped
Crossover	Integrated	12/12dB (3.5kHz)	6-12/12dB (3.5kHz)
Adjustable tweeter level	-	+3/0/-3dB	+3/0/-3dB
Impedance	4Ω	4Ω	2Ω
Max. power	160W	120W	200W
Nom. power	80W RMS	60W RMS	100W RMS
Sensitivity (2.83 V/1 m)	93dB	90dB	93dB
Frequency response	60Hz - 22kHz	110Hz - 22kHz	60Hz - 22kHz
Accessories	Grilles included	Grilles included	Grilles included





ES 165 K2S	ES 165 KE
2-way component kit	2-way component kit
6½" (165mm)	6½" (165mm)
K2 sandwich	K2 sandwich
Tuned Mass Damper (TMD*)	Tuned Mass Damper (TMD®)
Ferrite	Ferrite
2¼" (58mm)	2 <sup>15</sup> / <sub>16</sub> " (74mm)
1¼" (32.5mm)	1¼" (32mm)
K2 sandwich 'M'-shaped	K2 sandwich 'M'-shaped
6-12/12dB (3kHz)	6-12/12dB (3kHz)
+3/0/-3dB	+3/0/-3dB
2Ω	4Ω
140W	200W
70W RMS	100W RMS
88dB	91dB
60Hz - 22kHz	60Hz - 22kHz
Grilles included	Grilles included





	ES 165 KX2E	ES 165 KX3E
Туре	2-way component kit	3-way component kit
Diameter	6½" (165mm)	Woofer: 6½" (165mm) Midrange: 4" (100mm)
Cone	K2 sandwich	K2 sandwich
Surround technology	Tuned Mass Damper (TMD*)	Tuned Mass Damper (TMD®)
Magnet	Ferrite	Woofer: Ferrite Midrange: Neodymium
Mounting depth	3" (76mm)	Woofer: 3" (76mm) Midrange: 1‰" (33.5mm)
Voice coil diameter	2" (40mm)	Woofer: 2" (40mm) Midrange: 1" (20mm)
Tweeter	FRAK : 'M'-shaped Aluminium-Magnesium	FRAK : 'M'-shaped Aluminium-Magnesium
Crossover	6-12/12-18dB (3kHz)	6-12/12/12dB (3/4/500/3/5kHz)
Adjustable tweeter level	+3/0/-3dB	+3/0/-3dB
Impedance	2Ω	4Ω
Max. power	240W	Woofer: 240W Midrange: 100W
Nom. power	120W RMS	Woofer: 120W RMS Midrange: 50W RMS
Sensitivity (2.83 V/1 m)	92.5dB	Woofer: 93dB Midrange: 88dB
Frequency response	55Hz - 32kHz	45Hz - 32kHz
Suggested load volume	-	-
Accessories	Grilles included	Grilles included







SUB 25 KXE	SUB 25 KXS	SUB 30 KXE
Subwoofer	Subwoofer	Subwoofer
10" (250mm)	10" (250mm)	12" (300mm)
K2 sandwich	K2 sandwich	K2 sandwich
Tuned Mass Damper (TMD*)	Tuned Mass Damper (TMD*)	Tuned Mass Damper (TMD®)
Ferrite	Ferrite	Ferrite
6¾" (172mm)	3¾" (94.5mm)	6¾" (172mm)
2½" (65mm)	1¾" (45mm)	2½" (65mm)
-	-	-
-	-	-
-	-	-
2x4Ω	4Ω	2x4Ω
1,200W	700W	1,600W
600W RMS	350W RMS	800W RMS
84.5 dB	84.5dB	86.5dB
25Hz - 500Hz	25Hz - 500Hz	25Hz - 500Hz
Sealed enclosure: 0.6 to 0.77cu ft Bass-reflex: 0.77 to 1.23cu ft	Sealed enclosure: 0.56 to 0.7cu ft	Sealed enclosure: 0.99 to 1.23cu ft Bass-reflex: 0.99 to 1.76cu ft
-	-	-

04.

## FLAX EVO

#### The perfect balance

With its French flax cone - a patented Focal exclusive technology - Flax Evo embodies the search for acoustic quality combined with sleek aesthetics. Sound definition, a natural midrange and deep bass are what characterise this unique range. The speaker drivers can handle high-performance amplification and can be therefore combined with any product from the Focal electronics range to provide you with a pure listening experience whilst on the go.





Flax cone



French manufacturing



TMD® surround



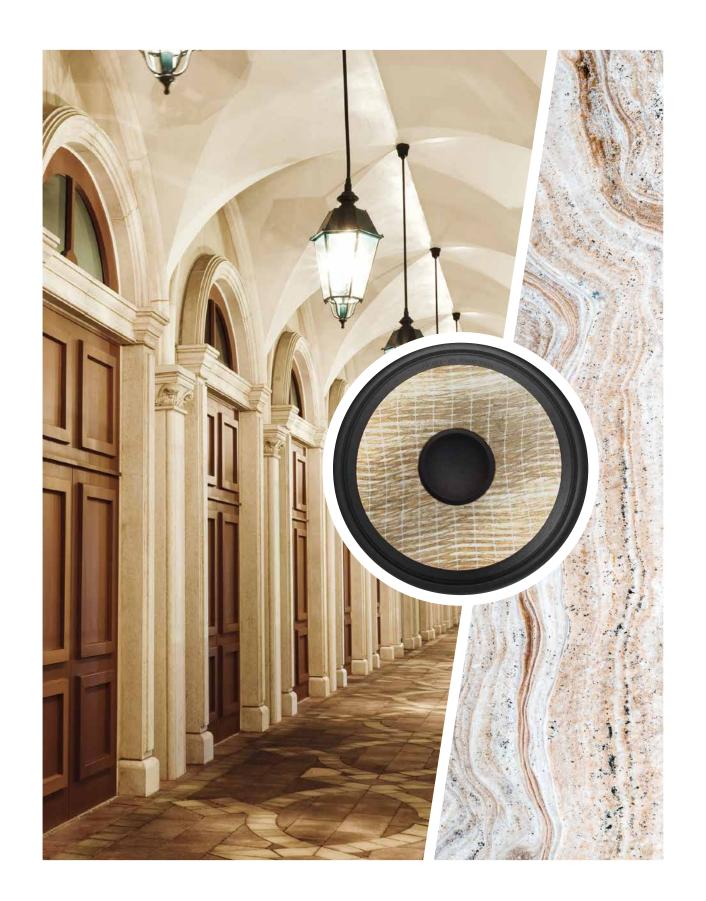
Ferrite magnet



TAM® tweeter



Audiophile crossover





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	PC 165 FE	PS 130 FE	PS 165 FE
Туре	2-way coaxial kit	2-way component kit	2-way component kit
Diameter	6½" (165mm)	5" (130mm)	6½" (165mm)
Cone	Flax sandwich	Flax sandwich	Flax sandwich
Surround technology	Tuned Mass Damper (TMD®)	Tuned Mass Damper (TMD®)	Tuned Mass Damper (TMD*)
Magnet	Ferrite	Ferrite	Ferrite
Mounting depth	2%" (72.7mm)	2%" (59.7mm)	2 <sup>1</sup> / <sub>8</sub> " (72.7mm)
Voice coil diameter	1" (25mm)	1" (25mm)	1" (25mm)
Tweeter	Coaxial 'M'-shaped	TAM : 'M'-shaped Aluminium/Magnesium	TAM : 'M'-shaped Aluminium/Magnesium
Crossover	Integrated: 6dB/oct	Separated: 12/12dB/oct	Separated: 12/12dB/oct
Adjustable tweeter level	0/-3dB	0/-3dB	0/-3dB
Impedance	4Ω	4Ω	4Ω
Max. power	140W	120W	140W
Nom. power	70W RMS	60W RMS	70W RMS
Sensitivity (2.83 V/1 m)	90dB	90.5dB	91.5dB
Frequency response	60Hz - 28kHz	75Hz - 28kHz	60Hz - 28kHz
Accessories	Mounting accessories, screws	Mounting accessories, screws	Mounting accessories, screws







PS 165 FSE	PS 165 FXE	PS 165 F3E
2-way component kit	2-way component kit	3-way component kit
6½" (165mm)	6½" (165mm)	Woofer: 61/2" (165mm)
6/2 (165111111)	0/2 (10311111)	Midrange: 31/8" (80mm)
Flax sandwich	Flax sandwich	Flax sandwich
Tuned Mass Damper (TMD®)	Tuned Mass Damper (TMD*)	Tuned Mass Damper (TMD®)
Ferrite	Ferrite	Ferrite
21/// (E4 Emm)	7// (77 222)	Woofer: 2 <sup>7</sup> / <sub>8</sub> " (72.7mm)
2½" (54.5mm)	3" (77mm)	Midrange: 1516" (33.5mm)
1¼" (32mm)	1¼" (32mm)	Woofer: 1¼" (32mm)
174 (32111111)	174 (3211111)	Midrange: 1" (25mm)
TAM : 'M'-shaped Aluminium/Magnesium	TAM : 'M'-shaped Aluminium/Magnesium	TAM : 'M'-shaped Aluminium/Magnesium
Separated: 12/12dB/oct	Bi-amp separated: 12-18dB/oct	Separated: 12/12-18dB/oct
0/-3dB	0/-3dB	O/-3dB
4Ω	4Ω	4Ω
120W	160W	160W
60W RMS	80W RMS	80W RMS
91.5dB	90.5dB	90.5dB
70Hz - 28kHz	55Hz - 28kHz	60Hz - 28kHz
Mounting accessories, screws	Mounting accessories, screws	Mounting accessories, screws







	P 20 FE	P 20 FSE
Туре	Sealed box and bass-reflex subwoofer	Shallow sealed box subwoofer
Diameter	8" (20cm)	8" (20cm)
Cone	Flax sandwich	Flax sandwich
Magnet	Dual ferrite	Ferrite
Surround technology	4%" (117mm)	3" (76mm)
Voice coil diameter	1½" (38mm)	1½" (38mm)
Impedance	4Ω	4Ω
Max. power	500W	400W
Nom. power	250W RMS	200W RMS
Sensitivity (2.83 V/1 m)	82.5dB	86dB
Frequency response	39Hz - 500Hz	41Hz - 400Hz
Suggested load volume	Sealed enclosure: 0.35 to 0.52 cu ft Bass-reflex: 0.35 to 0.71 cu ft	Sealed enclosure: 0.21 to 0.32 cu ft







P 25 FE	P 25 FSE	P 30 FSE
Sealed box and bass-reflex subwoofer	Shallow sealed box subwoofer	Shallow sealed box subwoofer
10" (25cm)	10" (25cm)	12" (30cm)
Flax sandwich	Flax sandwich	Flax sandwich
Dual ferrite	Ferrite	Ferrite
5%ε" (140.6mm)	3" (76mm)	4¼" (108.5mm)
2" (50mm)	1½" (38mm)	1½" (38mm)
4Ω	4Ω	4Ω
600W	560W	600W
300W RMS	280W RMS	300W RMS
85dB	86dB	89dB
33Hz - 500Hz	41Hz - 400Hz	38Hz - 350Hz
Sealed enclosure: 0.35 to 0.88 cu ft Bass-reflex: 0.88 to 1.23 cu ft	Sealed enclosure: 0.42 to 0.64 cu ft	Sealed enclosure: 0.64 to 0.88 cu ft

## 05.

## SLATEFIBER

#### Performance personified

Versatile, accessible and high-performance, the Slatefiber line turns heads for its uncompromising efficiency. The two products are high sensitivity, so they can be connected to the vehicle's original system or to an amplifier. What's more, you get meticulous French manufacturing, an exclusive Slatefiber cone, sleek design, flexible installation options and standard kit sizes to fit a wide range of vehicles.



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Slatefiber cone



Rotor effect basket



French manufacturing



Ferrite magnet



Aluminium-Magnesium tweeter



Separable crossovers









	PC 165 SF	PS 165 SF
Туре	2-way coaxial kit	2-way component kit
Diameter	6½" (165mm)	6½" (165mm)
Cone	Slatefiber	Slatefiber
Surround technology	Butyl	Butyl
Magnet	Ferrite	Ferrite
Mounting depth	2 <sup>3</sup> / <sub>4</sub> " (70mm)	2¾" (70mm)
Voice coil diameter	1" (25mm)	1" (25mm)
Tweeter	Aluminium-Magnesium inverted dome	Aluminium-Magnesium inverted dome
Crossover	Integrated	Separable crossover: 12dB/oct
Adjustable tweeter level	-	+3/0/-3dB
Impedance	4Ω	4Ω
Max. power	160W	160W
Nom. power	80W RMS	80W RMS
Sensitivity (2.83V/1m)	91dB	91dB
Frequency response	60Hz - 21kHz	60Hz - 21kHz
Accessories	Mounting accessories, screws	Mounting accessories, screws



# O6. POLYGLASS LAST EDITION

#### A winning combination

Forget your current system and treat yourself to a rejuvenated sound experience with our Polyglass Last Edition kits that combine power, durability and compactness. This line has never stopped improving across the board, from concept to design. For boosted bass, complete your system with a Focal subwoofer, choosing the format and size that best meet the needs of your system.





Polyglass cone



Aluminium chassis



Butyl surround



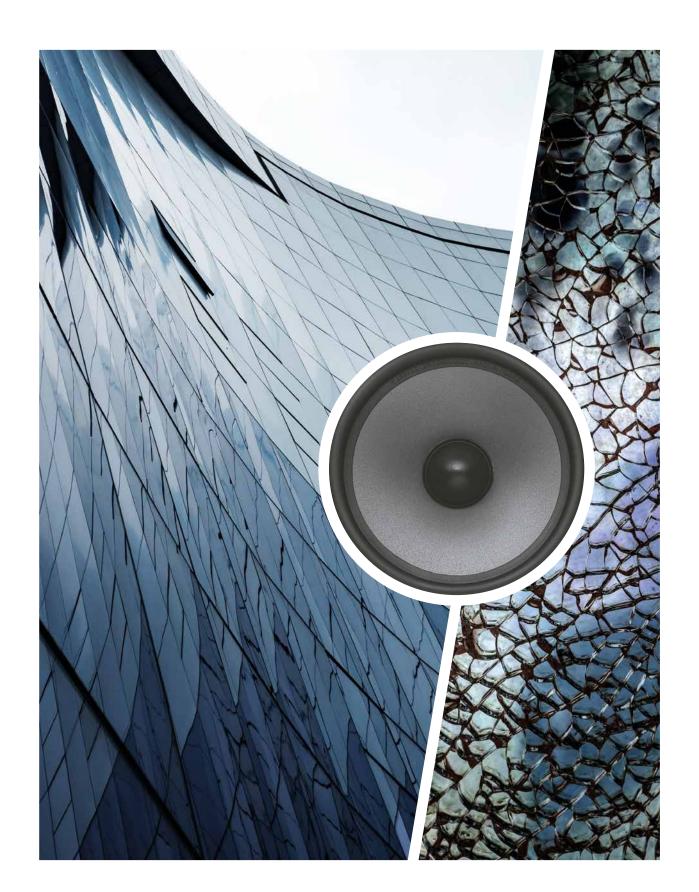
Separable crossovers



Aluminium tweeter



Diamond cutting







	PC 165 LAST EDITION	PS 165 LAST EDITION
Туре	2-way coaxial kit	2-way component kit
Diameter	6½" (165mm)	6½" (165mm)
Cone	Polyglass	Polyglass
Magnet	Ferrite	Ferrite
Mounting depth	2% (65.5mm)	2%6" (65.5mm)
Voice coil diameter	1" (25mm)	1" (25mm)
Tweeter	TNP Aluminium inverted dome	TNP Aluminium inverted dome
Crossover	Integrated: 6dB/oct	Separated: 6/12dB/oct
Adjustable tweeter level	-	+3/0/-3dB
Impedance	4Ω	4Ω
Max. power	160W	160W
Nom. power	80W RMS	80W RMS
Sensitivity (2.83 V/1 m)	92.5dB	92.5dB
Frequency response	60Hz - 20kHz	60Hz - 20kHz
Accessories	Grilles included	Grilles included



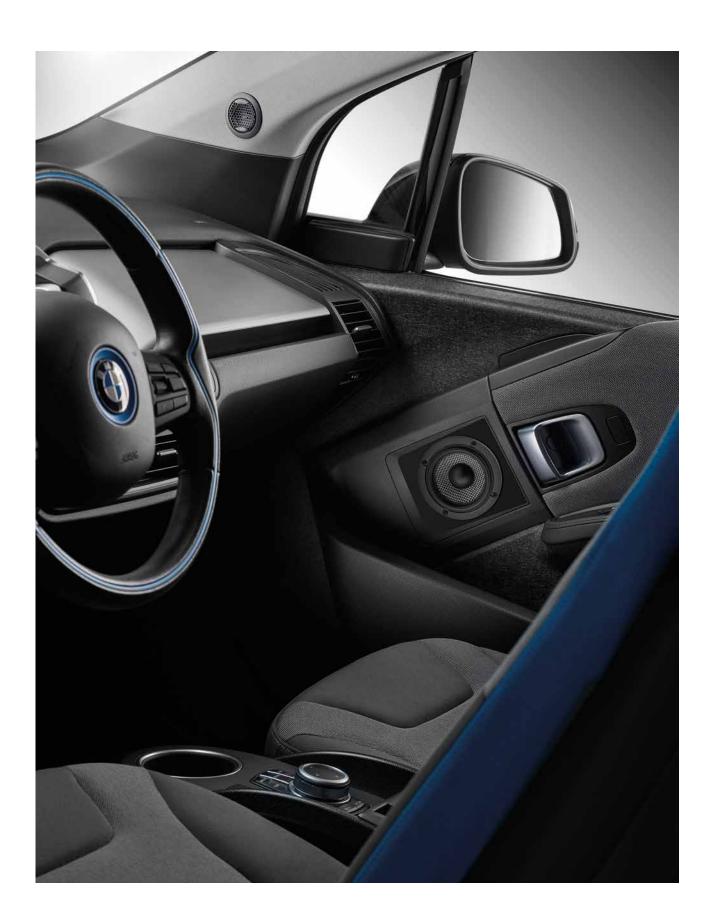
FOCAL | POLYGLASS LAST EDITION

 07.

## ACCESS

#### Accessible Focal technology

Access invites all drivers to experience Focal innovation and quality. With its assured style and technical prowess, this line is dedicated to performance. Power handling, plunging depth of bass and razor sharp acoustics are the common denominators of the Access philosophy: we guarantee you the full Focal technology experience inside your car and a rejuvenated listening adventure.









Reinforced ABS bowl



Butyl surround



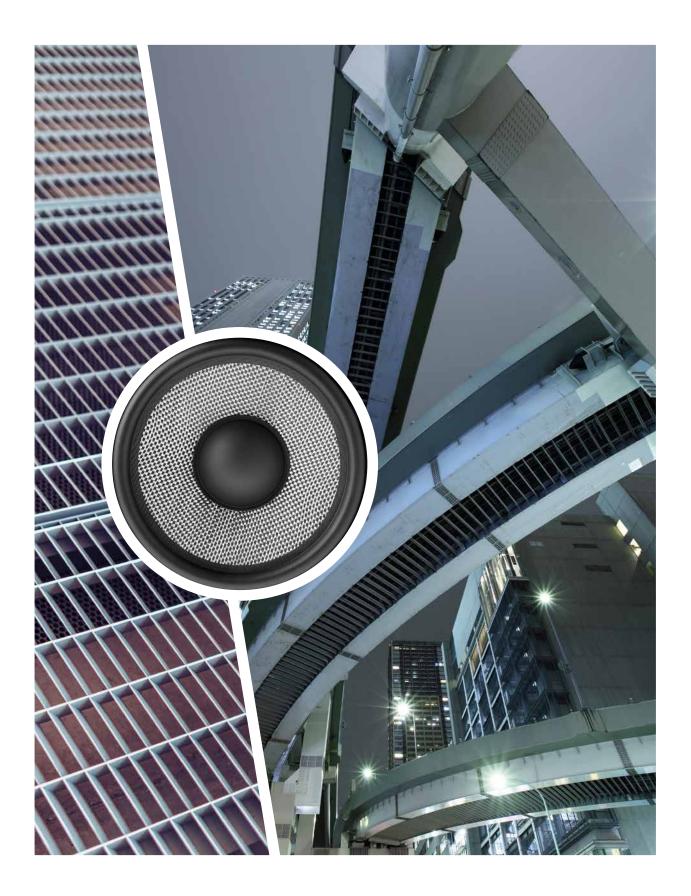
Adjustable tweeter level



Aluminium tweeter



Curved grilles



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	100 AC	130 AC	165 AC
Туре	2-way coaxial kit	2-way coaxial kit	2-way coaxial kit
Diameter	4" (100mm)	5" (130mm)	6½" (165mm)
Cone	DFS®	DFS®	DFS®
Magnet	Ferrite	Ferrite	Ferrite
Mounting depth	21/16" (52.2mm)	2½" (54.7mm)	2½" (62.9mm)
Voice coil diameter	1" (25mm)	1" (25mm)	1" (25mm)
Tweeter	Rotating Aluminium inverted dome	Rotating Aluminium inverted dome	Rotating Aluminium inverted dome
Crossover	Integrated: 6dB/oct	Integrated: 6dB/oct	Integrated: 6dB/oct
Impedance	4Ω	4Ω	4Ω
Max. power	80W	100W	120W
Nom. power	40W RMS	50W RMS	60W RMS
Sensitivity (2.83 V/1 m)	87.2dB	89.3dB	91dB
Frequency response	70Hz - 20kHz	70Hz - 20kHz	60Hz - 20kHz
Accessories	Grilles included	Grilles included	Grilles included



570 AC	690 AC
2-way coaxial kit	2-way coaxial kit
5 x 7" (130 x 180 mm)	6 x 9" (164 x 235mm)
DFS®	DFS*
Ferrite	Ferrite
25/16" (59.5mm)	1¾6" (30mm)
1" (25mm)	1¾6" (30mm)
Rotating Aluminium inverted dome	Rotating Aluminium inverted dome
Integrated: 6dB/oct	Integrated: 6dB/oct
4Ω	4Ω
120W	150W
60W RMS	75W RMS
92.8dB	91.3dB
65Hz - 20kHz	50Hz - 20kHz
Without grille	Grilles included







	170 46	165.46	165 467
	130 AS	165 AS	165 AS3
Type	2-way component kit	2-way component kit	3-way component kit
Diameter		C1/ !! (1C F )	Woofer : 6½" (165mm)
Diameter	5" (130mm)	6½" (165mm)	Midrange : 31/8" (80mm)
Cone	DFS®	DFS®	DFS*
Magnet	Ferrite	Ferrite	Ferrite
Mounting	01/11/547	21/11/62 (200)	Woofer : 2½" (62.9mm)
depth	2½" (54.7mm)	2½" (62.9mm)	Midrange : 111/16" (42.5mm)
Voice coil diameter	1" (25mm)	1" (25mm)	1" (25mm)
Tweeter	Aluminium inverted dome	Aluminium inverted dome	Aluminium inverted dome
Crossover	Separated: 12/12dB/oct (5kHz)	Separated: 12/12dB/oct (5kHz)	Separated: 6/12dB/oct (5kHz)
Adjustable tweeter level	+3; 0; -3dB/oct	+3; 0; -3dB/oct	+3; 0; -3dB/oct
Impedance	4Ω	4Ω	4Ω
Max. power	100W	120W	160W
Nom. power	50W RMS	60W RMS	80W RMS
Sensitivity (2.83 V/1 m)	90dB	91.3dB	90dB
Frequency response	65Hz - 20kHz	60Hz - 20kHz	55Hz - 20kHz
Suggested load volume	-	-	-
Accessories	Grilles included	Grilles included	Grilles included





25 A4	30 A4
Subwoofer	Subwoofer
10" (250mm)	12" (300mm)
DFS®	DFS®
4¾" (120mm)	4¾" (120mm)
5" (126.6mm)	5¾" (146.5mm)
Simple voice coil: 2" (50mm)	Simple voice coil: 2" (50mm)
-	-
-	-
-	-
4Ω	4Ω
400W	500W
200W RMS	250W RMS
85dB	87dB
36Hz - 500Hz	32Hz - 500Hz
Sealed enclosure: 0.52 to 0.88 cu ft Bass-reflex: 0.71 to 1.23 cu ft	Sealed enclosure: 0.71 to 1.06 cu ft Bass-reflex: 0.88 to 1.23 cu ft
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## 08. UNIVERSAL

#### Optimal compatibility

Enjoy the Universal line's rich sound without altering the aesthetics of your car. Special attention was paid to design and dimensions during the development stages of these products, to ensure optimal compatibility with as many different vehicles as possible. Their compactness, shallow depth and divisible fastenings make them quick and easy to fit.





Polyglass cone



Compact size



Butyl surround



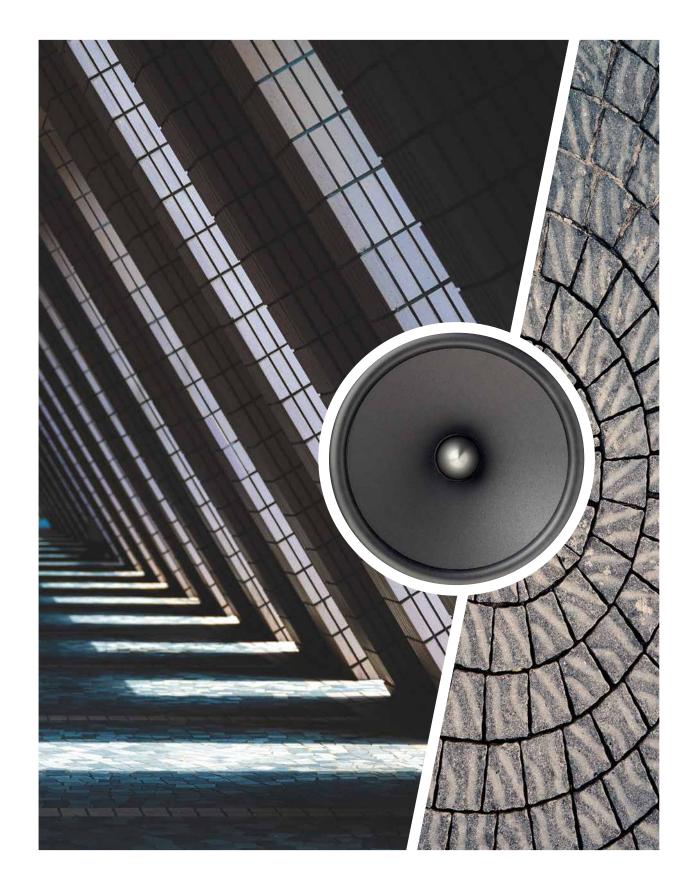
Adjustable tweeter level



Aluminium-Magnesium tweeter



Tilted tweeter support











	ICU 100	ICU 130	ICU 165
Туре	2-way coaxial kit	2-way coaxial kit	2-way coaxial kit
Diameter	4" (100mm)	5" (130mm)	6½" (165mm)
Cone	Polyglass	Polyglass	Polyglass
Magnet	Ferrite	Ferrite	Ferrite
Mounting depth	11/8" (49mm)	1⅓" (48.9mm)	1½" (48.4mm)
Voice coil diameter	1" (25mm)	1" (25mm)	1" (25mm)
Tweeter	Aluminium-Magnesium inverted dome	Aluminium-Magnesium inverted dome	Aluminium-Magnesium inverted dome
Crossover	Integrated: 6dB/oct	Integrated: 6dB/oct	Integrated: 6dB/oct
Adjustable tweeter level	Flat / High	Flat / High	Flat / High
Impedance	4Ω	4Ω	4Ω
Max. power	80W	120W	140W
Nom. power	40W RMS	60W RMS	70W RMS
Sensitivity (2.83 V/1 m)	90.3dB	91.8dB	93dB
Frequency response	90Hz - 21kHz	90Hz - 21kHz	60Hz - 21kHz
Accessories	Supplied without grille	Supplied without grille	Supplied without grille





ICU 570	ICU 690
2-way coaxial kit	2-way coaxial kit
5 x 7" (130 x 180mm)	6 x 9" (164 x 235mm)
Polyglass	Polyglass
Ferrite	Ferrite
25/16" (59.3mm)	35⁄16" (83.5mm)
1" (25mm)	1" (25mm)
Aluminium-Magnesium inverted dome	Aluminium-Magnesium inverted dome
Integrated: 6dB/oct	Integrated: 6dB/oct
Flat / High	Flat / High
4Ω	4Ω
140W	160W
70W RMS	80W RMS
94dB	93.6dB
60Hz - 21kHz	55Hz - 21kHz
Supplied without grille	Supplied with grilles









	ISU 130	ISU 165	ISU 200
Туре	2-way component kit	2-way component kit	2-way component kit
Diameter	5" (130mm)	6½" (165mm)	8" (200mm)
Cone	Polyglass	Polyglass	Polyglass
Magnet	Ferrite	Ferrite	Ferrite
Mounting depth	1⅓″ (48.9mm)	11/8" (48.4mm)	2½" (63.5mm)
Voice coil diameter	1" (25mm)	1" (25mm)	1" (25mm)
Tweeter	Aluminium-Magnesium inverted dome	Aluminium-Magnesium inverted dome	Aluminium-Magnesium inverted dome
Crossover	Integrated (connectors): 6dB/oct	Integrated (connectors): 6dB/oct	Integrated (connectors): 6dB/oct
Impedance	4Ω	4Ω	4Ω
Max. power	120W	140W	160W
Nom. power	60W RMS	70W RMS	80W RMS
Sensitivity (2.83 V/1 m)	91.8dB	93dB	93dB
Frequency response	90Hz - 21kHz	60Hz - 21kHz	40Hz - 21kHz
Accessories	Tweeter support Supplied without grille	Tweeter support Supplied without grille	Tweeter support Supplied without grille







ISU 690	TWU 1.5
2-way component kit	Tweeter
6 x 9" (164 x 235mm)	1 <sup>15</sup> / <sub>16</sub> " (49.4mm)
Polyglass	Aluminium/Magnesium inverted dome
Ferrite	Neodymium
35/16" (83.5mm)	<sup>1</sup> / <sub>16</sub> " (16.8mm)
1" (25mm)	<sup>13</sup> / <sub>6</sub> " (20mm)
Aluminium-Magnesium inverted dome	-
Integrated (connectors): 6dB/oct	Integrated: 6dB/oct
4Ω	4Ω
160W	100W
80W RMS	15W RMS
93,6dB	94dB
55Hz - 21kHz	4kHz - 21kHz
Tweeter support Supplied without grille	Tilted mounting support

## 09. AUDITOR

#### Your Focal installation debut

With Auditor, treat yourself to a high-quality Focal audio system at a very competitive price. This range of nine versatile kits provides a system with guaranteed efficiency, performance and power. Combined with dedicated electronics or connected to the vehicle's original amplifier, these component, coaxial and elliptical coaxial kits significantly improve the on-board audio. These products benefit from all of Focal's expertise to help you rediscover the pleasure of driving to music!





Polypropylene cone



Steel bowl



'U'-shaped surround



Black lacquered tweeter finish



Mylar tweeter



ABS & Mesh grille









	ACX 100	ACX 130	ACX 165	ACX 165 S
Туре	2-way coaxial kit	2-way coaxial kit	2-way coaxial kit	2-way shallow coaxial
Diameter	4" (100mm)	5" (130mm)	6½" (165mm)	6½" (165mm)
Cone	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Magnet	Ferrite	Ferrite	Ferrite	Ferrite
Mounting depth	1%" (48.2mm)	2½" (55mm)	2 <sup>7</sup> /ι <sub>6</sub> " (62.5mm)	1%" (48.5mm)
Voice coil diameter	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)
Tweeter	Mylar inverted dome	Mylar inverted dome	Mylar inverted dome	Mylar inverted dome
Crossover	6dB/oct	6dB/oct	6dB/oct	6dB/oct
Impedance	4Ω	4Ω	4Ω	4Ω
Max. power	60W	100W	120W	110W
Nom. power	30W RMS	50W RMS	60W RMS	55W RMS
Sensitivity (2.83 V/1 m)	88dB	90dB	91.5dB	91dB
Frequency response	80Hz - 21kHz	65Hz - 21kHz	60Hz - 21kHz	60Hz - 21kHz
Accessories	Supplied with grilles, fastening and screws			







ACX 165 S	ACX 570	ACX 690
2-way shallow coaxial kit	2-way coaxial elliptic kit	3-way coaxial elliptic kit
6½" (165mm)	5 x 7" (130 x 180mm)	6 x 9" (164 x 235mm)
Polypropylene	Polypropylene	Polypropylene
Ferrite	Ferrite	Ferrite
11/8" (48.5mm)	2¾" (59.5mm)	31/16" (78mm)
1" (25mm)	1" (25mm)	1¾" (35mm)
Mylar inverted dome	Mylar inverted dome	Mylar inverted dome tweeter/midrange
6dB/oct	6dB/oct	6dB/oct
4Ω	4Ω	4Ω
110W	120W	160W
55W RMS	60W RMS	80W RMS
91dB	91.6dB	92dB
60Hz - 21kHz	60Hz - 21kHz	50Hz - 20kHz
Supplied with grilles, fastening and screws	Supplied with grilles, fastening and screws	Supplied with grilles, fastening and screws





	ASE 130	ASE 165
Туре	2-way component kit	2-way component kit
Diameter	5" (130mm)	6½" (165mm)
Cone	Polypropylene	Polypropylene
Magnet	Ferrite	Ferrite
Mounting depth	2⅓" (55.5mm)	2¾" (62.5mm)
Voice coil diameter	1" (25mm)	1" (25mm)
Tweeter	Mylar inverted dome	Mylar inverted dome
Crossover	Separated pre-wired: 12dB/oct	Separated pre-wired: 12dB/oct
Impedance	4Ω	4Ω
Max. power	100W	120W
Nom. power	50W RMS	60W RMS
Sensitivity (2.83 V/1 m)	90dB	91.5dB
Frequency response	65Hz - 21kHz	60Hz - 21kHz
Accessories	Supplied with grilles, fastening and screws	Supplied with grilles, blinding and screws



#### **ASE 165 S**

2-way shallow component kit

6½" (165mm)

Polypropylene

Ferrite

1½" (48.5mm)

1" (25mm)

Mylar inverted dome

Separated pre-wired:
12dB/oct

4Ω

110W

55W RMS

91dB

60Hz - 21kHz

Supplied with grilles,

blinding and screws

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T O

A U

## 10. SUBWOOFERS

For powerful, boosted bass, choose Focal's range of subwoofers (passive, active, bass-reflex, slim...). They meet all installation requirements thanks to their performance, the range of different sizes available and how compact they are. Compatible with all of our Motorities products, these subwoofers enjoys all the knowledge and savoir-faire that Focal provides to bring you ultimate listening pleasure in the car.











	SUB 10	SUB 10 DUAL	SUB 10 SLIM
Туре	Bass-reflex subwoofer	Bass-reflex subwoofer	Shallow subwoofer
Diameter	10" (25cm)	10" (25cm)	10" (25cm)
Cone	Polypropylene	Polypropylene	Polypropylene
Magnet	Ferrite	Ferrite	Ferrite
Surround technology	Butyl	Butyl	Butyl
Voice coil diameter	2" (50mm)	2" (50mm)	1" (20mm)
Impedance	4Ω	$4\Omega + 4\Omega$	4Ω
Max. power	500W	500W	460W
Nom. power	250W RMS	250W RMS	230W RMS
Sensitivity (2.83 V/1 m)	85dB	85dB	85dB
Frequency response	35Hz - 500Hz	32Hz - 500Hz	39Hz - 500Hz
Suggested load volume	Sealed enclosure: 0.35 to 0.88 cu ft Bass-reflex: 0.88 to 1.23cu ft	Sealed enclosure: 0.35 to 0.88 cu ft Bass-reflex: 0.88 to 1.41cu ft	Sealed enclosure: 0.35 to 0.88cu ft







<b>SUB 12</b>	SUB 12 DUAL	SUB 12 SLIM
Bass-reflex subwoofer	Bass-reflex subwoofer	Shallow subwoofer
12" (30cm)	12" (30cm)	12" (30cm)
Polypropylene	Polypropylene	Polypropylene
Ferrite	Ferrite	Ferrite
Butyl	Butyl	Butyl
2" (50mm)	2" (50mm)	1" (20mm)
4Ω	$4\Omega + 4\Omega$	4Ω
600W	600W	560W
300W RMS	300W RMS	280W RMS
88dB	88dB	87dB
30Hz - 500Hz	29Hz - 500Hz	35Hz - 500Hz
Sealed enclosure: 0.53 to 1.06cu ft Bass-reflex: 1.06 to 1.23cu ft	Sealed enclosure: 0.53 to 1.06cu ft Bass-reflex: 1.06 to 1.23cu ft	Sealed enclosure: 0.53 to 1.06cu ft









	BOMBA BP 20	ISUB ACTIVE	ISUB ACTIVE 2.1
Туре	Compact active subwoofer enclosure Class D amplifier High and low level audio input (OEM and aftermarket head units compatibility)	Ultra-compact active subwoofer	Ultra-compact active subwoofer & 2-channel amplifier
Woofer diameter	8" (20cm)	8" (20cm)	8" (20cm)
Impedance	-	4Ω	4Ω
Sub max. power	300W	260W	260W
Sub nom. power	150W RMS	130W RMS	130W RMS
Sensitivity (2.83V/1m)	-	-	-
Frequency response	20Hz - 125Hz	45Hz - 150Hz	4Hz - 150Hz
Amp. max. power	-	-	2 x 110W
Amp. nom. power	-	-	2 x 55W RMS
Function	Bandpass technology Phase selector: 0 - 180° Adjustable frequency cut off: 45Hz - 120Hz	Fuse rating: 20 A Phase selector: 0 - 180° SNR: > 80 dBA	Fuse rating: 35 A Phase selector: 0 - 180° SNR: > 80 dBA
Accessories	-	Screws, fixation system	Screws, fixation system
Weight	24.4lbs (11kg)	9.6lbs (4.25kg)	9.6lbs (4.25kg)
Dimensions (HxWxD)	175/16 x 1211/16 x 913/16" (24,9 x 32,3 x 43,9cm)	9½ x 12½ x 2½" (23 x 32,8 x 6,3 cm)	9½ x 12½ x 2½" (23 x 32,8 x 6,3 cm)





PSB 200	ISUB TWIN
Compact passive subwoofer enclosure	Underseat passive subwoofers
8" (20cm)	-
4Ω	2Ω
250W	2 x 200W
150W RMS	2 x 100W RMS
83dB	83dB
45Hz - 150Hz	50 - 150Hz
-	-
-	-
-	-
Screws, fixation system	Fixation system
15.7lbs (7kg)	2 x 6lbs (2 x 2.7kg)
4% x 19¼ x 12" (10,9 x 48,9 x 30,4cm)	9½ x 10¼ x 3½" (24 x 26 x 8cm)



Supplied with cables

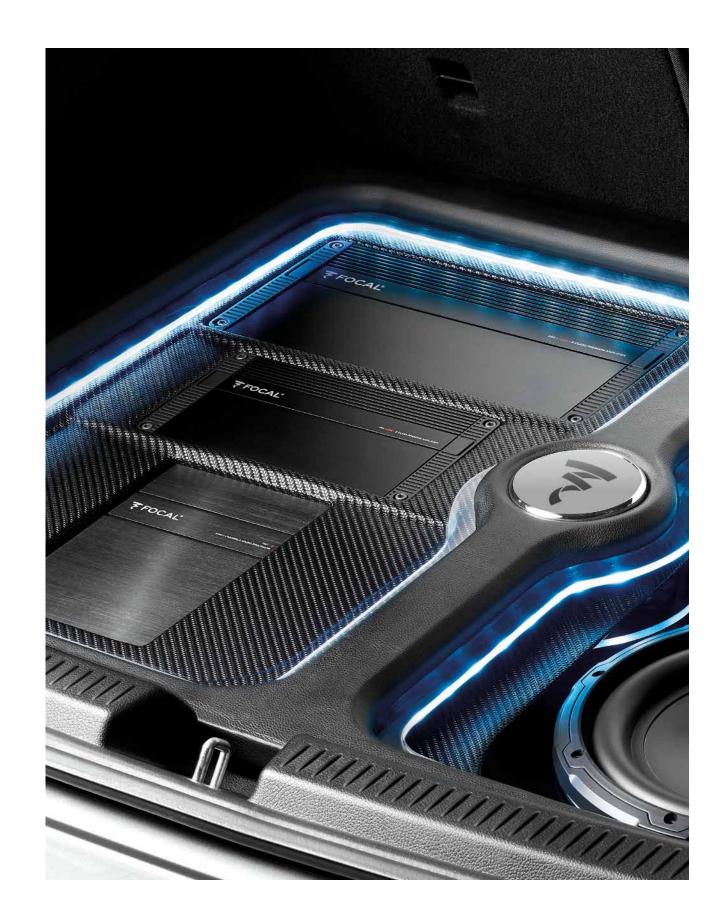
#### **IY BUS**

Only one remote to control the sound level of the two ISUB enclosures (Active or Active 2.1)

## 11.

## ACCESSORIES & ELECTRONICS

In combination with and as a complement to our installations, we offer a range of amplifiers and cables so you can enjoy an all-round solution. To experience the sensations of a precise, controlled and stable sound, Focal electronics have it all. Last but not least, our cables play a vital role in the audio architecture, answering all your amplification questions and optimising the connections between components.











	FPX 5.1200	FPX 4.400 SQ	FPX 4.800	FPX 1.1000
Туре	Premium Class D Amplifier 5 channels	Premium Class AB Amplifier 4/3/2 channels Sound Quality	Premium Class D Amplifier 4/3/2 channels	Premium Class E Mono
CEA Power (4Ω)	4 x 75W RMS + 1 x 420W RMS	4 x 70W RMS	4 x 120W RMS	1 x 420W RMS
Max. power (2Ω)	4 x 120W RMS + 1 x 720W RMS	4 x 100W RMS	4 x 185W RMS	1 x 700W RMS
Max. power (1Ω)	-	-	-	1 x 1000W RMS
Max. power (bridged 4Ω)	2 x 240W RMS + 720W RMS	2 x 200W RMS	2 x 370W RMS	-
Crossovers	Configurable High-Pass / Low-Pass: 50Hz - 500Hz	Configurable High-Pass / Low-Pass: 50Hz - 5 000Hz	Configurable High-Pass / Low-Pass: 50Hz - 500Hz	Configurable Lov
Copy mode	6CH/4CH/2CH	4CH/2CH	4CH/2CH	-
Functions	Full range Mode Bass Boost Subsonic filter	Full Range	Full Range	Bass Boost (6/12 Crossover subsor (10Hz - 50Hz)
Phase adjustment	Yes	-	-	Progressive
Protections	Short circuit Over-current Reverse polarity DC / Voltage drop Heat protection	Short circuit Over-current Reverse polarity DC / Voltage drop Heat protection	Short circuit Over-current Reverse polarity DC / Voltage drop Heat protection	Short circuit Ove Reverse polarity DC / Voltage dro Heat protection
Accessories	Remote control, screws, fuses	Screws, fuses, terminal board tools	Screws, fuses, terminal board tools	Remote control, fuses, terminal board to
Weight	9lbs (4.1kg)	8.2lbs (3.7kg)	4.4lbs (2kg)	5.6lbs (2.55kg)
Dimensions (LxWxH)	11 <sup>13</sup> / <sub>6</sub> x 6/⁄ <sub>8</sub> x 21/ <sub>4</sub> " (30 x 17.5 x 5.7cm)	12½ x 6½ x 2¼" (31.4 x 17.5 x 5.7cm)	9% x 5% x 2%" (23.7 x 13.2 x 5.3cm)	11 <sup>1</sup> ½ <sub>6</sub> x 5 <sup>3</sup> ½ <sub>6</sub> x 2½ <sub>6</sub> " (29.7 x 13.2 x 5.30







	FPX 1.1000	FDS 4.350	FDS 1.350
ifier	Premium Class D Amplifier Mono	Class D Amplifier 4/3/2 channels	Class D Amplifier Mono RCA low-level inputs
	1 x 420W RMS	4 x 58W RMS	1 x 210W RMS
	1 x 700W RMS	4 x 100W RMS	1 x 350W RMS
	1 x 1000W RMS	-	-
	-	2 x 200W RMS	-
50Hz	Configurable Low-Pass: 50Hz - 250Hz	Configurable High-Pass / Low-Pass: 40Hz - 400Hz	Low-Pass: 40Hz - 400Hz
	-	-	-
	Bass Boost (6/12dB) Crossover subsonic (10Hz - 50Hz)	Full Range	Bass Boost (0/6dB / 12dB)
	Progressive	-	Progressive (0 - 180°)
ent	Short circuit Over-current Reverse polarity DC / Voltage drop Heat protection	Short circuit Over-current Reverse polarity DC / Voltage drop Heat protection	Short circuit Over-current Reverse polarity DC / Voltage drop Heat protection
	Remote control, screws, fuses, terminal board tools	Screws, fuses	Screws, fuses
	5.6lbs (2.55kg)	1.9lbs (850g)	1.9lbs (850g)
	11½6 × 5¾6 × 2½6″ (29.7 × 13.2 × 5.3cm)	7 <sup>13</sup> / <sub>16</sub> x 4 <sup>1</sup> / <sub>4</sub> x 1 <sup>1</sup> 1/ <sub>16</sub> " (19.9 x 10.8 x 4.3cm)	7 <sup>1</sup> ½6 x 4½ x 1½6" (19.9 x 10.8 x 4.3cm)

81



#### AP 4.380

	AF 4.300
Туре	Class AB Amplifier 4/3/2 channels RCA inputs
CEA Power (4Ω)	4 x 70W RMS
Max. power (2 $\Omega$ )	4 x 95W RMS
BTL RMS power (bridged $4\Omega$ )	2 x 190W RMS
Crossovers	High-Pass (channel 1-2): 75Hz Low-Pass (channel 3-4): 40 - 300Hz Bass-boost (channel 3-4): 0/6/12 dB
Functions	Full Range
Dimensions (LxWxH)	13% x 9¼ x 2" (34 x 23.5 x 5cm)





	1111 OLSE 4.520
Туре	Class D ultra-compact Amplifier - 4/3/2 channels
CEA power (4Ω)	4 x 55W RMS
Max. power (2Ω)	4 x 80W RMS
Max. power $(4\Omega \text{ bridged})$	2 x 160W RMS
Crossovers	Activable/deactivable fixed at 75Hz on channels 1/2 Configurable from 40Hz-200Hz on channels 3/4
Copy Mode	4 CH/2CH
Setting	Adjustable phase on channels 3/4
Protections	Short circuit / Over-current / Reverse polarity / DC / Voltage drop / Heat protection
Weight	1.2lbs (550g)
Dimensions (LxHxD)	6% x 1% x 2%" (175 x 47 x 66.5mm)



	HILO V3
Туре	High-level to RCA line stereo converter
Function	Converts a stereo amplified signal in two low-level line outputs for an amplifier DC and AC detection modes Automatic remote output Speaker simulation network to avoid head-unit muting
Bandwith (+/-1dB)	10Hz - 140kHz
Signal/Noise ratio	100dB
Distorsion	< 0.01 %



IY - AC IMPULSE 4.320

Adapter Y cable Focal Impulse 4.320













ER 1

ER 3

ER 5

**EY 05** 

RCA cable 1 x 1m (3.3ft) RCA cable 1 x 3m (9.9ft)

RCA cable 1 x 5m (16.4ft)

RCA cable 2 x 0.5m (2 x 1.64ft)







**ES 15** 

1 roll: 15 AWG 12m x 1.5mm² (39ft)

**ES 25** 

1 roll: 13 AWG 12m x 2.5mm² (39ft)

ES 4

1 roll: 11 AWG 12m x 4mm² (39ft)







PR 5

... = 40.461

RCA cable 5m (16.4ft) Male/male plugs

2 x 90° bent plugs for difficult locations PS 15

Flat speaker cable 15 AWG/1.5mm² 1 roll: 39ftx15 AWG (12m x 1.5mm²)

> High performances, easy to install Soft touch insulant

**PS 25** 

Flat speaker cable 13 AWG/2.5mm² Roll: 39 ft x 13 AWG (12m x 2.5mm²)

High performances, easy to install Soft touch insulant





PK 8

#### 8 AWG

#### Complete supply kit (amplifier/speakers)

16ft (4.9m) supply cable (8.3mm²)
3.3ft (1m) ground cable (8.3mm²)
32.8ft (10m) speaker cable
16.4ft (5m) remote cable
6.4ft (5m) RCA cable (2x90° bent plugs and 2 straight plugs)
60A fuse-box

Accessory pack

#### PK 21

#### 4 AWG Complete supply kit (amplifier/speakers)

16ft (4.9m) supply cable (21mm²)
3.3ft (1m) ground cable (21mm²)
32.8ft (10m) speaker cable
16.4ft (5m) remote cable
16.4ft (5m) RCA cable (2x90° bent plugs and 2 straight plugs)
80A fuse-box
Accessory pack









**B.A.M XXXL** 

1 roll of 19<sup>1</sup>/<sub>16</sub> x 236<sup>1</sup>/<sub>4</sub>" (50 x 600cm) (3m<sup>2</sup>)

1 sheet 19<sup>1</sup>/<sub>16</sub> x 78<sup>3</sup>/<sub>4</sub>" (50x200cm) (1m<sup>2</sup>)

**B.A.M XL** 

1 sheet 8¼ x 11<sup>13</sup>/<sub>16</sub>" (21x30cm)

B.A.M

Set of 11 composite tools to remove door panel

**TOOL SET** 

## COLLECTIONS

Combining performance and design, Focal's collections are a revelation, awakening emotion. And it doesn't matter where you are. At home with hi-fi and in-wall/in-ceiling loudspeakers, Home Cinema systems and open-/closed-back headphones; on the go with in-car kits; during travel with Bluetooth® Noise Cancelling Headphones; in the studio with monitors and at sea with specialist yacht solutions.







Home Collection



**Motorities Collection** 





**Professional Collection** 

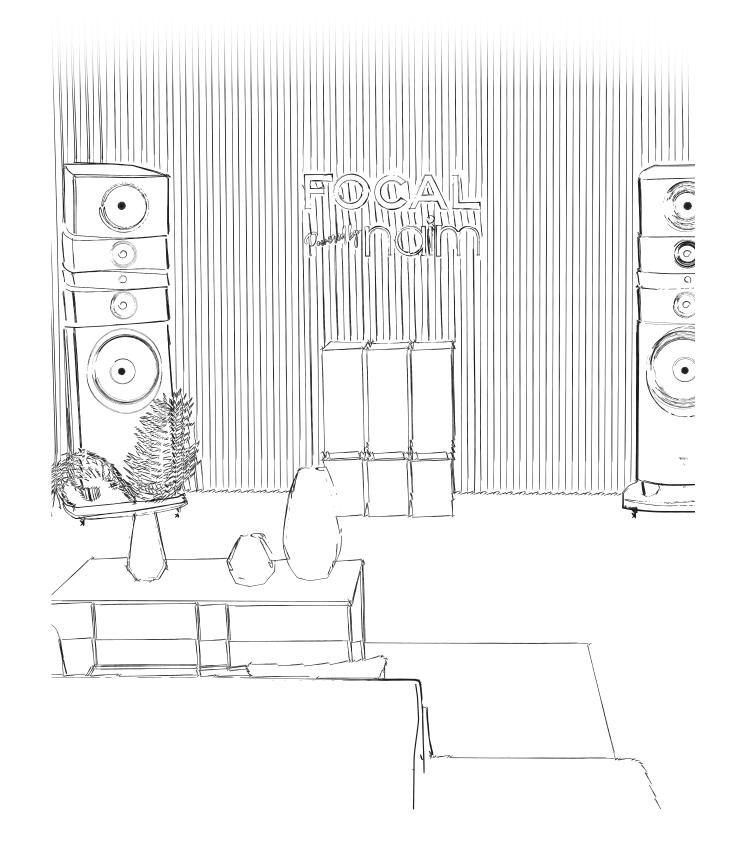


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Find our products in 10,000 retail partner stores across the world, but also in our Focal Powered by Naim shops. These stores, dedicated to our brands, invite you to dive into our world, our savoir-faire and immerse yourself in the Focal & Naim sound.



www.focalpoweredbynaim.com





For more information, scan the QR code or find us at:

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