



Public Address - Voice Alarm
Audio Distribution over IP
Commercial Audio
Intelligent Acoustic Solutions
Intercommunication
Loudspeakers



CATALOGUE 2012
Open-back Wallmount Loudspeakers-VIII

DELIVERING YOUR MESSAGE

Public Address - Voice Alarm

Audio Distribution over IP

Commercial Audio

Intelligent Acoustic Solutions

Intercommunication

Loudspeakers



WWC6/T
WWC6/TC

WWWC6/TAB
WWC6/TCAB
Wooden Cabinet



PBC Series

The PBC range of cabinet loudspeakers is a real innovation in design and performance. These exceptional loudspeakers are both stylish and elegant and offer a cost effective alternative to the conventional wooden cabinet loudspeaker.

The PBC 6/T is a 6 watt dual coned loudspeaker complete with line transformer, ideally suited for high quality speech and background music. The PBC 10/TCOAX is a 10 watt high performance loudspeaker that incorporates a two way coaxial drive unit and line transformer. The bass response has been extended to give depth and warmth to both music and speech whilst the drive unit has been carefully tailored to give an exceptionally smooth performance but still maintaining a high sensitivity. Installation is quick and easy using concealed fixings, making these cabinets ideally suited for applications that require style as well as high performance such as shops, restaurants, hotels, public houses, offices etc.

This white moulded cabinet loudspeaker with an

epoxy coated steel grille offers an alternative to the conventional wooden types available. The ABS plastic has added polymer to avoid discoloration in bright sun light (UV proofed). In compliance with BS5839 part 8, the "C" versions incorporate a ceramic terminal and thermal fuse and are, therefore, suitable for use in voice alarm applications.

PWC series

The PWC/6T is a 6 watt dual coned loudspeaker complete with 100 volt line transformer, ideally suited for high quality speech and background music. The bass response has been extended to give warmth and depth to both music and speech whilst still maintaining a high sensitivity. Designed to make installation quick and easy using concealed fixings, this cabinet is ideally suited for applications that require a straight forward, quick to install system such as schools, shops, restaurants, hotels, offices and public houses. In compliance with BS5839 part 8, the "C" version (PWC/6TC) incorporates a ceramic terminal and thermal fuse and is, therefore, suitable for use in voice alarm applications.

WWC Series

The WWC series are a combination of modern design and excellent performance. With its high-quality, low-resonance wooden cabinet, including a fastened with screws rear wall, in conjunction with a ball-proof galvanized steel, steel plate mesh, it is ideal for music and voice. It can be used on solid ceilings as well as wall.

MWC series

The surface mount speaker MWC6/T and MWC6T/EN, made out of powder-coated solid steel housing with flat grill, is 'bal-proof' and developed for wall and hard ceiling applications like sporting venues. A round surface mount speaker with strong acoustic behaviour and high efficiency. Excellent for music and speech. Equipped with a full range speaker this product delivers excellent sound in a unobtrusive way. The speaker comes with wall bracket.

Open-back Wallmount Loudspeakers-VIII



Open-back Wallmount Loudspeakers-VIII

Plastic Cabinet Loudspeaker

PBC Series 4

Plastic Cabinet Loudspeaker

PWC series 8

Wooden Cabinet Loudspeaker

WWC Series 10

Round Metal Cabinet Loudspeaker

MWC series 14

PBC6/T - PBC6/TC

Plastic Cabinet Loudspeaker

ELECTRICAL

Rated power, Watts:	6
Tappings 100 volt line, Watts:	6/3/1.5/0.75/0.25
Transformer Impedance, Ohms, 100V:	1.67k/3.33k/6.66k/13.3k/39.9k
Tappings 70.7 volt line, Watts:	3/1.5/0.75/0.25/0.125
Driver impedance, Ohms:	8
Effective frequency range, Hz (BSEN60268-5):	160-18KHz
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100 Hz-10 kHz:	96
S.P.L. @ Full power Octave Bandwidth, dB:	104
Acoustic Power (dB-PWL@1 watt) 1k/2kHz, dB:	94/95
Dispersion at 1k/2k Hz, Degrees :	180/120
Directivity Axial Q factor, 1k/2kHz:	3.6 /5.8

MECHANICAL

Dimensions, front & depth, mm:	330 x 240 x 90
Net Weight, Kgs:	1.15
Colour (Unless Specified):	White RAL9016
Material:	ABS moulding with UV inhibitors, Steel mesh
Mounting:	Keyhole and/or screws



PBC6/T - PBC6/TC

The PBC range of cabinet loudspeakers is a real innovation in design and performance. These exceptional loudspeakers are both stylish and elegant and offer a cost effective alternative to the conventional wooden cabinet loudspeaker.

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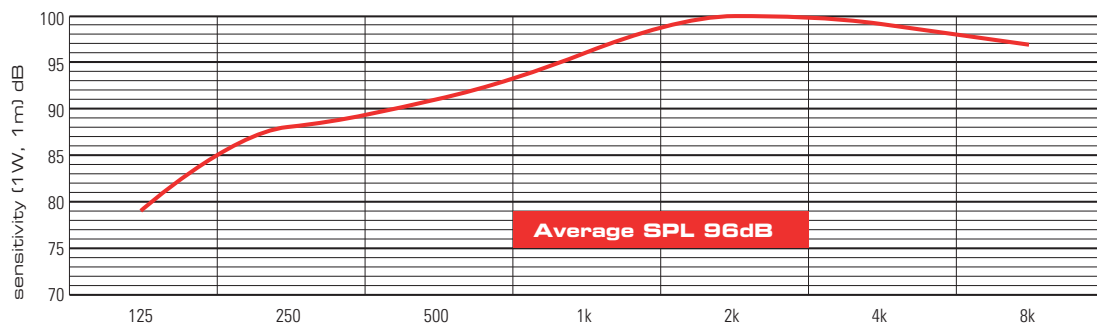
This white moulded cabinet loudspeaker with an epoxy coated steel grille offers an alternative to the conventional wooden types available. The ABS plastic has added polymer to avoid discoloration in bright sun light (UV proofed). In compliance with BS5839 part 8, the "C" versions incorporate a ceramic terminal and thermal fuse and are, therefore, suitable for use in voice alarm applications.

Open-back Wallmount Loudspeakers - VIII

PBC Series

PBC6/T
PBC6/TC

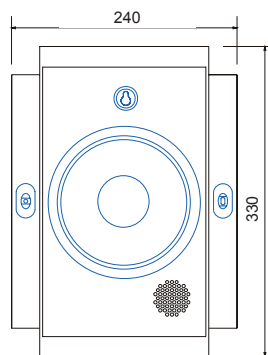
Speech octave band sensitivity



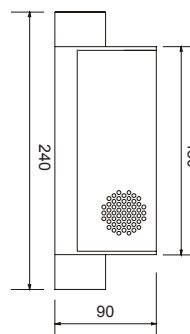
Effective Frequency Range - 160 Hz - 18 kHz

unit : mm

Front view

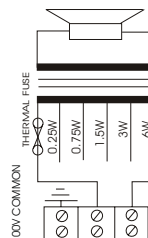


Side view



Circuit diagram

PBC6/TC



PBC10T/COAX

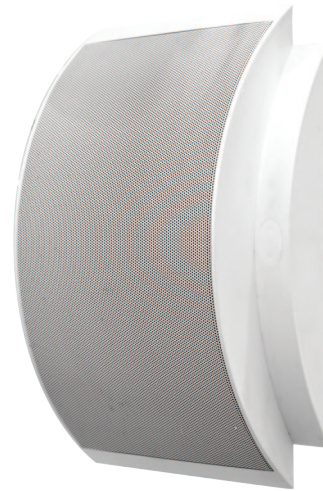
Plastic Cabinet coaxial Loudspeaker

ELECTRICAL

Rated power, Watts:	10
Tappings 100 volt line, Watts:	10/5/2.5/1.25
Transformer Impedance, Ohms, 100V:	1k/2k/1.25k/0.625k
Tappings 70.7 volt line, Watts:	5/2.5/1.25/0.625
Driver impedance, Ohms:	8
Effective frequency range, Hz (BSEN60268-5):	80-20KHz
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100 Hz-10 kHz:	89
S.P.L. @ Full power Octave Bandwidth, dB:	99
Acoustic Power (dB-PWL@1 watt) 1k/2kHz, dB:	88/84
Dispersion at 1k/2k Hz, Degrees :	180/120
Directivity Axial Q factor, 1k/2kHz:	3.7 /5.9

MECHANICAL

Dimensions, front & depth, mm:	330 x 240 x 90
Net Weight, Kgs:	1.4
Colour (Unless Specified):	White RAL9016
Material:	ABS moulding with UV inhibitors, Steel mesh
Mounting:	Keyhole and/or screws



PBC10T/COAX

The PBC range of cabinet loudspeakers is a real innovation in design and performance. These exceptional loudspeakers are both stylish and elegant and offer a cost effective alternative to the conventional wooden cabinet loudspeaker.

The PBC10/TCOAX is a 10 watt high performance loudspeaker that incorporates a two way coaxial drive unit and line transformer. The bass response has been extended to give depth and warmth to both music and speech whilst the drive unit has been carefully tailored to give an exceptionally smooth performance but still maintaining a high sensitivity. Installation is quick and easy using concealed fixings, making these cabinets ideally suited for applications that require style as well as high performance such as shops, restaurants, hotels, public houses, offices etc.

This white moulded cabinet loudspeaker with an epoxy coated steel grille offers an alternative to the conventional wooden types available. The ABS plastic has added polymer to avoid discoloration in bright sun light (UV proofed). In compliance with BS5839 part 8, the "C" versions incorporate a ceramic terminal and thermal fuse and are, therefore, suitable for use in voice alarm applications.

PWC6/T - PWC6/TC

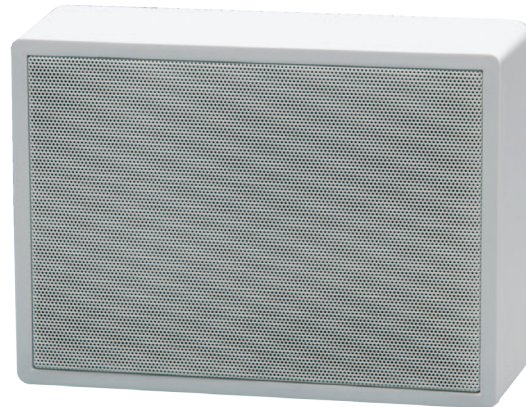
Plastic Cabinet Loudspeaker

ELECTRICAL

Rated power, Watts:	6
Tappings 100 volt line, Watts:	6/3/1.5/0.75/0.25
Transformer Impedance, Ohms, 100V:	1.67k/3.33k/6.66k/13.3k/39.9k
Tappings 70.7 volt line, Watts:	3/1.5/0.75/0.375/0.125
Driver impedance, Ohms:	8
Effective frequency range, Hz (BSEN60268-5):	220-18.5KHz
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100 Hz-10 kHz:	93
S.P.L. @ Full power Octave Bandwidth, dB:	100
Acoustic Power (dB-PWL@1 watt) 1k/2kHz, dB:	89/90
Dispersion at 1k/2k Hz, Degrees :	180/110
Directivity Axial Q factor, 1k/2kHz:	4.9 /5.5

MECHANICAL

Dimensions, front & depth, mm:	233 x 171 x 75
Net Weight, Kgs:	1.04
Colour (Unless Specified):	White RAL9016
Material:	ABS Plastic with UV inhibitors
Mounting:	2 x screws



PWC6/T - PWC6/TC

The PWC/6T is a 6 watt dual coned loudspeaker complete with 100 volt line transformer, ideally suited for high quality speech and background music.

The bass response has been extended to give warmth and depth to both music and speech whilst still maintaining a high sensitivity. Designed to make installation quick and easy using concealed fixings, this cabinet is ideally suited for applications that require a straight forward, quick to install system such as schools, shops, restaurants, hotels, offices and public houses.

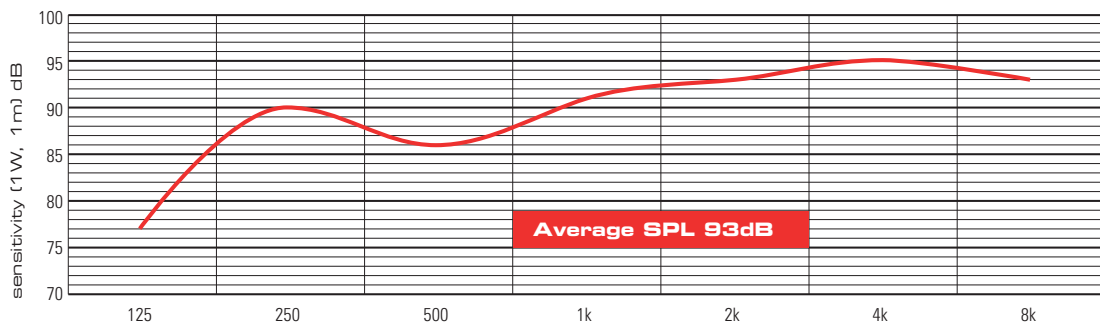
In compliance with BS5839 part 8, the "C" version (PWC/6TC) incorporates a ceramic terminal and thermal fuse and is, therefore, suitable for use in voice alarm applications.

Open-back Wallmount Loudspeakers-

PWC series

PWC6/T
PWC6/TC

Speech octave band sensitivity

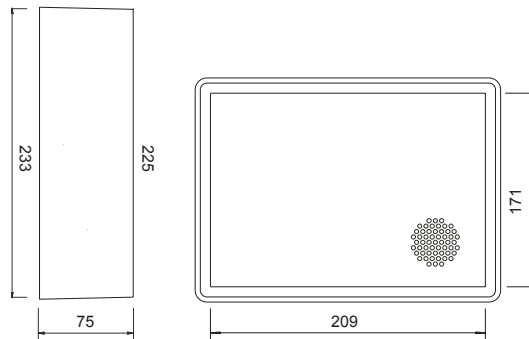


Effective Frequency Range - 220 Hz - 18.5 kHz

unit : mm

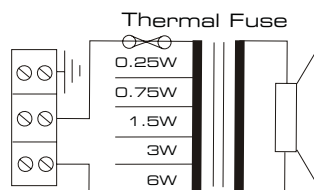
Side view

Front view



Circuit diagram

PWC6/TC
Circuit diagram 100V Common



WWC6/T - WWC6/TC

Wooden Cabinet Loudspeaker

ELECTRICAL

Rated power, Watts:	6
Tappings 100 volt line, Watts:	6/3/1.5/0.75/0.25
Transformer Impedance, Ohms, 100V:	1.67k/3.33k/6.66k/13.3k/39.9k
Tappings 70.7 volt line, Watts:	3/1.5/0.75/0.375
Driver impedance, Ohms:	8
Effective frequency range, Hz (BSEN60268-5):	85-18.5KHz
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100 Hz-10 kHz:	95
S.P.L. @ Full power Octave Bandwidth, dB:	103
Acoustic Power (dB-PWL@1 watt) 1k/2kHz, dB:	92/91
Dispersion at 1k/2k Hz, Degrees :	180/180
Directivity Axial Q factor, 1k/2kHz:	5.4 /7.0

MECHANICAL

Dimensions, front & depth, mm:	254 x 195 x 82
Net Weight, Kgs:	1.8
Colour (Unless Specified):	RAL9016
Material:	Wood
Mounting:	Screws



WWC6/T - WWC6/TC

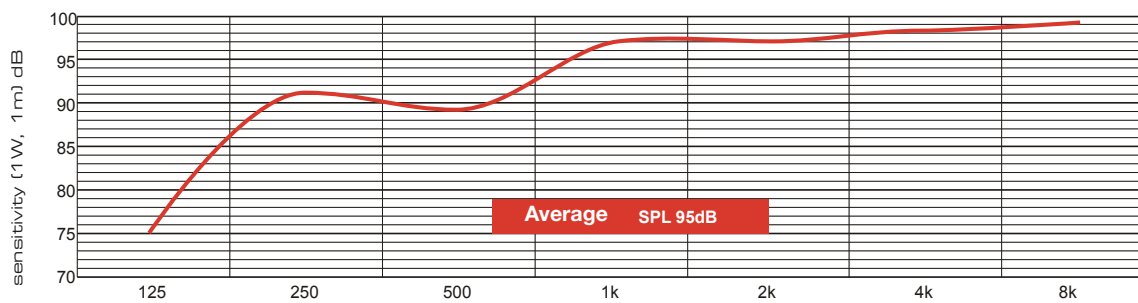
The WWC series are a combination of modern design and excellent performance. With its high-quality, low-resonance wooden cabinet, including a fastened with screws rear wall, in conjunction with a ball-proof galvanized steel, steel plate mesh, it is ideal for music and voice. It can be used on solid ceilings as well as wall.

Open-back Wallmount Loudspeakers - VIII

WWC Series

WWC6/T
WWC6/TC

Speech octave band sensitivity

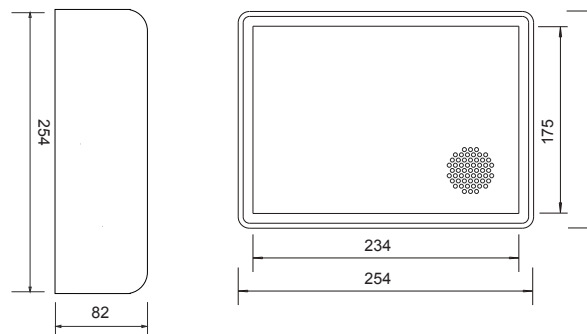


Effective Frequency Range - 85 Hz - 18.5 kHz

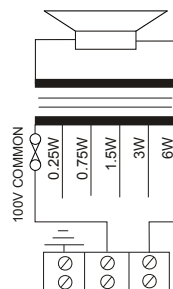
unit : mm

Side view

Front view



TC/Circuit diagram



WWC6/TC
Standard
BS5839-8

WWC6/TAB - WWC6/TCAB

Wooden Cabinet Loudspeaker

ELECTRICAL

Rated power, Watts:	2 x 6
Tappings 100 volt line, Watts:	2 x 6/3/1.5/0.75/0.25
Transformer Impedance, Ohms, 100V:	2 x 1.67k/3.33k/6.66k/13.3k/39.9k
Tappings 70.7 volt line, Watts:	2 x 3/1.5/0.75/0.375
Driver impedance, Ohms:	2 x 8
Effective frequency range, Hz (BSEN60268-5):	220-16.5KHz
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100 Hz-10 kHz:	86
S.P.L. @ Full power Octave Bandwidth, dB:	92
Acoustic Power (dB-PWL@1 watt) 1k/2kHz, dB:	81/84
Dispersion at 1k/2k Hz, Degrees :	140/180
Directivity Axial Q factor, 1k/2kHz:	1.9 /2.2

MECHANICAL

Dimensions, front & depth, mm:	254 x 195 x 82
Net Weight, Kgs:	2.35
Colour (Unless Specified):	RAL9016
Material:	ABS Plastic with UV inhibitors
Mounting:	Screws



WWC6/TAB - WWC6/TCAB

The WWC series are a combination of modern design and excellent performance. With its high-quality, low-resonance wooden cabinet, including a fastened with screws rear wall, in conjunction with a ball-proof galvanized steel, steel plate mesh, it is ideal for music and voice. It can be used on solid ceilings as well as wall.

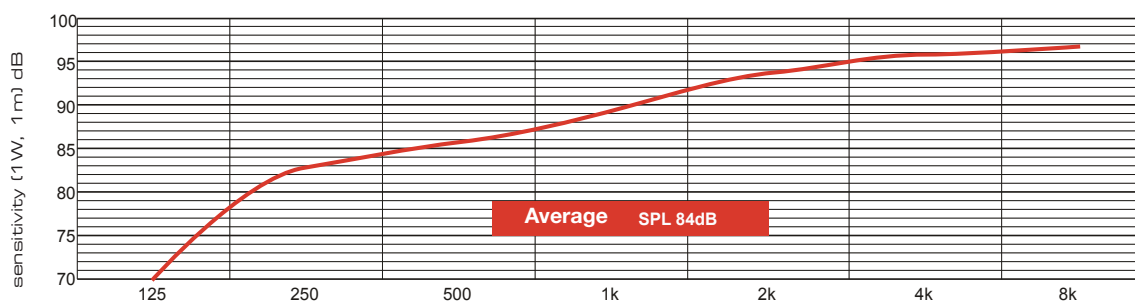
The WWC 6/T a/b series features two 4" drivers with separate transformers and connectors to add an even greater level of security.

Open-back Wallmount Loudspeakers - VIII

WWC Series

WWC6/TAB
WWC6/TCAB

Speech octave band sensitivity

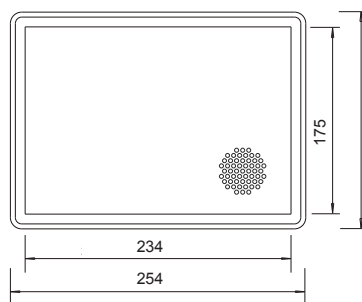
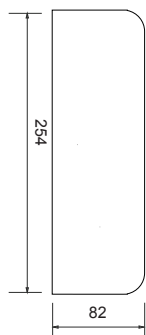


Effective Frequency Range - 220 Hz - 16.5 kHz

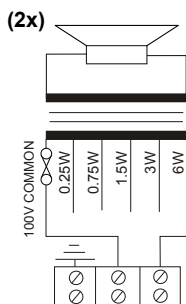
unit : mm

Side view

Front view



TC/Circuit diagram



WWC6TC/AB
Standard
BS5839-8

MWC6/T - MWC6/TC

Round Metal Cabinet Loudspeaker

ELECTRICAL

Rated power, Watts:	6
Tappings 100 volt line, Watts:	6/3/1.5/0.75/0.25
Transformer Impedance, Ohms, 100V:	1.67k/3.33k/6.66k/13.3k/39.9k
Tappings 70.7 volt line, Watts:	3/1.5/0.75/0.375
Driver impedance, Ohms:	8
Effective frequency range, Hz (BSEN60268-5):	85-18.5KHz
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100 Hz-10 kHz:	94
S.P.L. @ Full power Octave Bandwidth, dB:	102
Acoustic Power (dB-PWL@1 watt) 1k/2kHz, dB:	91/89
Dispersion at 1k/2k Hz, Degrees :	180/180
Directivity Axial Q factor, 1k/2kHz:	3.1 /8.1

MECHANICAL

Dimensions, diameter, height mm:	170 x 75
Net Weight, Kgs:	1.05
Colour (Unless Specified):	White RAL9016
Material:	Powder-coated steel sheet
Mounting:	Bracket and screws



MWC6/T - MWC6/TC

The surface mount speaker **MWC6/T** and **MWC6T/EN**, made out of powder-coated solid steel housing with flat grill, is 'ball-proof' and developed for wall and hard ceiling applications like sporting venues. A round surface mount speaker with strong acoustic behaviour and high efficiency.

Excellent for music and speech. Equipped with a full range speaker this product delivers excellent sound in a unobtrusive way. The speaker comes with wall bracket.

Open-back Wallmount Loudspeakers - VIII

MWC series

MWC6/T
MWC6/TC

Speech octave band sensitivity

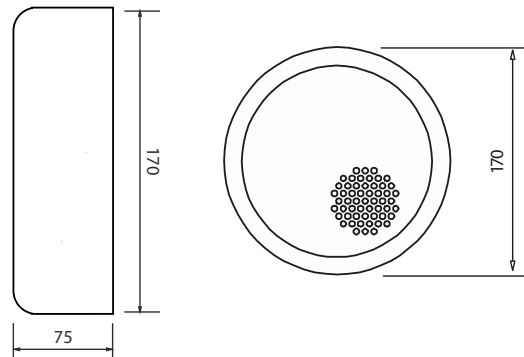


Effective Frequency Range - 85 Hz - 18.5 kHz

unit : mm

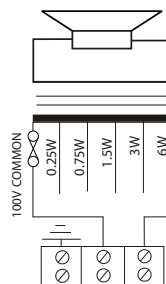
Side view

Front view



CE

TC/Circuit diagram



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Loudspeakers



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