

# 80 SERIES



WHARFEDALE SYSTEMS DIVISION

# 80 Series

## Commercial Environment Loudspeaker System

THE 80 SERIES is the latest model to join Wharfedale's range of professional loudspeakers. Its pedigree stems from the successful Prog. 30D, one of the accepted standards in CD Jukebox extension speaker installation and the ever popular 2180. It is an attractive 2 way system designed for wall or shelf mounting, equally at home in a portrait or landscape orientation. The 2080 features bass-reflex tuning through twin port tubes providing optimal low-frequency tuning, enhancing the already substantial bass output from this high quality enclosure.

High performance Wharfedale drive units are used with a substantial 200mm woofer crossing over to a high quality 25mm tweeter complete with a ferrofluid cooled voice coil ensuring consistent and reliable long term performance. The 2080 comfortably handles a full 100 watts of power and is built around a substantial lateral wrap cabinet which provides high strength for safe rear bracket mounting. It has an attractive black vinyl finish with removable black cloth grilles.

One of the all time great loudspeaker designs the Wharfedale 2180 has become established in such diverse roles as karaoke bar systems and surround sound installations in cinemas and movie houses; as well as featuring in tens of thousands of bar, restaurant and small club installations. The 2180 is a proven product manufactured for over ten years and offering enviable standards of reliability.

As with all our loudspeaker systems the drive units are exclusive Wharfedale designs made in our own factory. The substantial 200mm pulp cone woofer is used with two 25mm soft dome tweeters which feature Ferrofluid cooling and electronic overload protection for extra reliability.

The 2180 is discretely finished in black vinyl with grey plastic trims and removable black cloth grilles.

The 3180 is the largest model in this range and develops the 2180 concept through the addition of a second 200mm diameter bass drive unit. By positioning this unit on the side of the cabinet a remarkably compact loudspeaker system is achieved; one that offers high power handling and high SPL outputs.

The compact size and discrete appearance of the 3180 makes it ideal for the small club where the use of several of these loudspeakers can produce the sound levels the customers desire yet with the minimum loss of valuable space.

The 3180 offers a perfect combination of performance; value; appearance; reliability and, above all, the legendary Wharfedale sound quality.

2080





2180



Rear of 2180

The philosophy behind these loudspeakers is simple. To further extend Wharfedales' reputation for excellent sound quality whilst employing innovative design to give a distinctive yet discrete appearance to these loudspeaker systems.

Traditionally the loudspeaker placement in rooms has been dominated by the needs of stereo reproduction and consequently most positions are a compromise enforced by the directionality of conventional loudspeakers.

However, Wharfedale's innovative solution is to use the 'Baker Effect', a phenomenon first noted in the 1930's. By mounting two hf drive units perpendicular to each other, and carefully contouring the crossover network, Wharfedale has been able to reproduce a dramatic stereo effect in almost any listening position.

'U' type wall/ceiling mount brackets are included with each model in the 80 Series.



3180



3180

80 SERIES TECHNICAL SPECIFICATIONS			
MODEL	2080	2180	3180
Enclosure	18mm particle board	18mm particle board	18mm particle board
Damping	Fire retardant acrylic wadding	Fire retardant acrylic wadding	Fire retardant acrylic wadding
LF Unit Driver	200mm Pulp coned bass/mid with high temperature voice coil	200mm Pulp coned bass/mid with high temperature voice coil	2 x 200mm Pulp coned bass/mid with high temperature voice coil
HF Unit	1 x 25mm Pre-coated fabric domes, ferrofluid cooled and damped	2 x 25mm Pre-coated fabric domes, ferrofluid cooled and damped	2 x 25mm Pre-coated fabric domes, ferrofluid cooled and damped
Crossover	Computer grade crossover board, high saturation current chokes	Computer grade crossover board, high saturation current chokes	Computer grade crossover board, high saturation current chokes
Tweeter Protection	Auto-resetting thermal overload protection	Auto-resetting thermal overload protection	Auto-resetting thermal overload protection
Terminals	4-terminal spring-clip for series/parallel connection	4-terminal spring-clip for series/parallel connection	4-terminal spring-clip for series/parallel connection
Enclosure Type	Bass reflex - twin ports on rear panel	Bass reflex - twin ports	Bass reflex - twin ports
Frequency Response	50Hz to 20kHz	50Hz to 20kHz	50Hz to 20kHz
Sensitivity	90dB	90dB	92dB
Max. SPL per Pair	113dB	113dB	115dB
Crossover Frequency	2.3kHz	2.3kHz	2.3kHz
Nominal Impedance	8 Ohms	8 Ohms	4 Ohms
Weight	6kg single unit	6.5kg single unit	11kg single unit
Effective Volume	14 litres	14 litres	27 litres
Power Handling	100 Watts (programme)	100 Watts (programme)	175 Watts (programme)
Dimensions H x W x D (mm)	274 x 456 x 200	274 x 456 x 200	270 x 570 x 290
Finish	Black textured finish	Black textured finish	Black textured finish

DISCOTHEQUES

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