

The new units used in this series are an 8 inch (200mm) re-enforced pulp cone woofer and a 25mm titanium dome HF unit, which is Ferrofluid cooled. All of the designs have auto-resetting thermal overload protection of the HF units as standard to ensure reliability and all models deliver over a frequency range of 40Hz to 20KHz. The powerful 8 inch (200mm) diameter woofer uses a high temperature 2 inch (50mm) voice coil and a selected pulp cone whilst the 25mm titanium dome tweeter is loaded by a wide band horn; and is protected by a re-entrant thermal overload system.

Baker Effect array - 2190/3190

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.

The 90 Series Commercial Loudspeaker's cabinet exterior can be re-painted to match your venue interior and blend in with the environment. Whilst the units are of a strong and rugged nature, the weight is not unmanageable with the top, bottom and rear areas on all models clear for bracket mounting.

The smallest model in the range is the 2090 which uses one 8 inch woofer alongside the 25mm tweeter to deliver a maximum 119dB SPL. With a nominal impedance of 8 ohms, the 2090 is capable of handling an impressive 200 watts (programme).

The middle speaker in the range is the 2190 which uses one 8 inch woofer with two 25mm tweeters, capable of handling 160 watts into 8 ohms. The 2190 delivers a maximum SPL of 119dB.

The 3190 can handle 350 watts (programme) into 4 ohms with an SPL of 122dB from two 8 inch woofers alongside two 25mm tweeters.

By using proprietary designed units and modern manufacturing, all the aspects of sound and economics within the commercial market are met: clarity, voice intelligibility, controlled sound coverage, a three year guarantee, tested reliability and the support of a company with nearly seventy years expertise in sound reproduction are standard. The 90 Series marks a clear demonstration of how the business of high quality sound reproduction in the commercial sector is moving at the millennium.

The solution for bars, restaurants and small club installations

	2090	2190	3190
Specifications			
Power handling Programme rating	200 watts	200 watts	350 watts
Frequency range	40Hz - 20kHz	40Hz - 20kHz	40Hz - 20kHz
Crossover frequency	2.5kHz	2.5kHz	2.5kHz
Sensitivity (1w/1m)	90dB	90dB	93dB
Max SPL per pair	119dB	119dB	122dB
Nominal Impedance	8 ohms	8 ohms	4 ohms
Dimensions H x W x D (mm)	270 x 445 x 220	270 x 445 x 250	270 x 445 x 315
Weight (kg)	7.9	9.5	15.4
LF Drive Unit	1 x 200mm long throw driver featuring 50 mm high temperature voice coil	1 x 200mm long throw driver featuring 50 mm high temperature voice coil	2 x 200mm long throw driver featuring 50 mm high temperature voice coil
HF Drive Unit	1 x 25mm High output, horn loaded titanium domed, Ferrofluid cooled magnetic system	2 x 25mm High output, horn loaded titanium domed, Ferrofluid cooled magnetic system	2 x 25mm High output, horn loaded titanium domed, Ferrofluid cooled magnetic system
Protection	Auto-resetting thermal overload protection on HF unit	Auto-resetting thermal overload protection on HF unit	Auto-resetting thermal overload protection on HF unit

(All specifications subject to change without notice)



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T H E W H A R F E D A L E P R O L I N E U P A L S O I N C L U D E S



EVP



Force 1



Prog 30D



Action



SE



WPG

Wharfedale Pro

90 Series

Commercial Environment
Loudspeaker Systems

2090

2190

3190



Developed from the outstandingly successful 2180 series, which continues in production, the new **90 series** increases the choice of speakers available for this specialist application.

With three models in the range, the 90 series offers increased power handling and impressively high sound pressure levels from a range of compact boxes. This has been achieved by engineering a new generation of drive units. With nearly 70 years experience producing such units, Wharfedale has extensive knowledge of how to design and manufacture key loudspeaker components.