



WHARFEDALE PRO
VS SERIES
MULTI-PURPOSE
LOUDSPEAKER SYSTEM

- DISCOTHEQUES
- CLUB SYSTEMS
- HOUSES OF WORSHIP
- RETAIL PREMISES
- SHOPPING CENTRES
- CONFERENCING
- STAGE MONITORING
- PUBLIC HOUSES
- SPORTS COMPLEX
- THEATRE
- HOTELS

Model name	VS-10	VS-12	VS-12M	VS-15	VS-153	VS-15SB	VS-18SB
FREQ RESP +/- 3 DB	60 - 20k	50 - 20k	60 - 20k	50 - 20k	50 - 20k	50 - 400Hz	45 - 400Hz
SENSITIVITY 1W@1M	94dB	96dB	96dB	96dB	96dB	97dB	97dB
NOMINAL COVERAGE HOZ		60°	60°	60°	60°	60°	—
NOMINAL COVERAGE VERT		45°	45°	45°	45°	45°	—
INPUT POWER (watts)							
Continuous	70	125	125	150	180	200	220
Music	140	250	250	300	360	400	440
Peak	280	500	500	600	720	800	880
MAX SPL PEAK	117dB	121dB	121dB	123dB	123dB	123dB	124dB
NOMINAL IMPEDANCE	8Ω	8Ω	8Ω	8Ω	8Ω	4Ω	4Ω
PRODUCT DIMS							
H	470	554	405	624	729	578	735
W	293	428	428	463	535	465	541
D	282	335	625	350	393	400	400
SHAPE	Trap	Trap	US mon	Trap	Trap	Rectangle	Rectangle
WEIGHT NET	7.5kg	12.75kg	12kg	16.15kg	23.75kg	21.55kg	30.2kg
WEIGHT GROSS				23.8kg	32.9kg		
L F DRIVER SIZE (mm/ins)	200/10	250/12	250/12	380/15	380/15	380/15	440/18
MAGNET WT	475g	475g	475g	1180g	1180g	1180g	1362g
COIL SIZE	38/1.5	38/1.5	38/1.5	38/1.5	38/1.5	65/2.5	75/3.0
FRAME MATERIAL	steel	steel	steel	steel	steel	steel	steel
MID DRIVER SIZE	—	—	—	—	6.5"	—	—
Magnet size					307g		
Coil size					25.5		
Frame material					steel		
H/F SECTION TYPE	Electro/Dynamic	Electro/Dynamic	Electro/Dynamic	Electro/Dynamic	Electro/Dynamic	—	—
SYSTEM BOX FREQUENCY	60Hz	50Hz	45Hz	40Hz	40Hz	40Hz	40Hz
PROTECT TYPE	Bulb	Bulb	Bulb	Bulb	Bulb	—	—
OPERATING BAND PASS	—	—	—	—	1.8/6kHz	80-350Hz	80-350Hz
FINISH/COLOUR	Carpet/Black	Carpet/Black	Carpet/Black	Carpet/Black	Carpet/Black	Carpet/Black	Carpet/Black
CONSTRUCTION MATERIALS	Particle board	Particle board	Particle board	Particle board	MDF	MDF	MDF
HANDLES QTY	2	2	2	2	2	2	2
GRILLE	Black full	Black full	Black full	Black full	Black full	Black full	Black full
STAND HI MOUNT	Yes	Yes	No	Yes	Yes	—	—
STAND BASS BOX	—	—	—	—	—	Yes	Yes
CONNECTORS IN	2 x 1/4" jack input	2 x 1/4" jack input	2 x 1/4" jack input	2 x 1/4" jack input	2 x 1/4" jack input	2 x 1/4" jack input	2 x 1/4" jack input



Wharfedale International Limited, IAG House, Sovereign Court,
Ermine Business Park, Huntingdon, Cambs, PE29 6XU, England
WHARFEDALE website : www.wharfedalepro.com

The information in this manual is subject to change without notice.
All rights reserved © 2001 Wharfedale Pro
Wharfedale is a member of the International Audio Group





The VS professional loudspeaker family sets a new standard in performance and value. All the components of the VS range are designed and built entirely by Wharfedale Professional in our own production facilities. Superior performance and consistency are maintained through control of all manufacturing processes. Built and designed for reliability and road toughness, the construction of the VS series is light and strong. Trapezoidal enclosure construction assures optimum low frequency performance and smoothness with minimum interference from standing waves and box resonances. All Wharfedale Professional speaker systems are designed for maximum efficiency and power handling. Coupled to the Wharfedale Pro elliptical wave guide the combination of these devices gives exceptionally smooth and uniform coverage in both the vertical and horizontal planes.

VS High Frequency Section:

The VS series features another innovative design exclusive to Wharfedale Pro. The high frequency section of the VS family utilizes twin drive electro-dynamic transducers mounted on a specially designed rapid flare, elliptical wave guide. The advantages of this combination of components are easily heard in any of the line of full range EVP systems, as superior output level and clarity, and most importantly an open, musical and accurate sound quality. These unique Wharfedale made drivers are designed from the ground-up for the EVP family and should not be mistaken for typical off the shelf devices used in all other competitive products.

VS Low Frequency Section:

The VS series, high efficiency, high power woofers are designed to deliver sustained, high output levels with a minimum of power compression.

The best and most expensive loudspeakers available today are capable of converting only 2-3% of the Wattage input to them as acoustic output. This means for 100 Watts input from your amplifier, only 3 (acoustic)Watts comes out as sound. The other 97 Watts are converted to heat! Try touching a typical 100 Watt light bulb and think of how that heat much gets out of your speaker. At higher impedances the amplifier is less able to dissipate current into the speaker with an effective loss of output power.

WHARFEDALE PRO VS SERIES OF PROFESSIONAL SOUND REINFORCEMENT LOUDSPEAKERS

The VS professional loudspeaker family represents a new standard in performance and value. All the components of the VS range are designed and built entirely by Wharfedale Professional in our own production facilities.

Superior performance and consistency are maintained through control of all manufacturing processes. Built and designed for reliability and road toughness, the construction of the VS series is light and strong. Trapezoidal enclosure construction assures optimum low frequency performance and smoothness with minimum interference from standing waves and box resonances.



WHARFEDALE PRO VS SERIES OF PROFESSIONAL SOUND REINFORCEMENT LOUDSPEAKERS

Most importantly the sound quality of the VS series is open and musical with a remarkable freedom from the grating and grainy distortion found in many systems using piezo tweeters. Amplifiers represent a significant investment in the sound system. Speakers with low efficiency return less of the power input as sound output. At Wharfedale Pro we strive to make our speaker systems as efficient as possible to give you a better return on your investment in amplification. The high efficiency of the VS range speaker systems gives greater sound pressure levels from any power amplifier, yielding superior headroom, sound quality and the added bonus of long term reliability.



Power compression is the loss of low frequency output due to voice coil heating. Power compression is a problem common to all loudspeakers. Superior designs reduce the negative effects through their ability to effectively dissipate heat generated in the voice coil.

- **High Power, High Efficiency**
- **Wharfedale Pro Built Twin Electro-Dynamic Drivers**
- **Elliptical, Rapid Flare Wave Guide**
- **Accurate, Low Distortion and Exceptional Sound Quality**
- **Compact, light weight trapezoidal enclosures, with stacking corners, handles and protective steel grills.**
- **Full range and complimentary Sub Bass systems**
- **Reliable, Durable construction**
- **Stand adaptors**

