

# EVP-X series loudspeakers

The Wharfedale Professional EVP-X series loudspeakers combine exceptional design and features with outstanding sound quality to provide a choice of sound systems to suit almost any application.



#### SYSTEM PROTECTION

The ProTech protection system in the EVP-X progressively converts excess power into heat and triggers a reduction in the power to the HF Driver. When the overload condition is removed, the system returns seamlessly to normal operation.



#### SOPHISTICATED CROSSOVER DESIGN

EVP-X series features sophisticated crossover networks for an exceptionally smooth frequency and power response. High voltage capacitors and inductors with massive cores and heavy gauge wire are used throughout, enabling the crossover network to handle incredibly high power without saturating.



#### BUILT TO LAST

The EVP-X cabinets are constructed using high grade, low resonance composite wood and covered with a road tough industrial carpet. A heavy duty full length steel grille protects the internal components from damage.



#### Elliptical Wave Guide

In comparison to a conventional rectangular horn, the Elliptical Wave Guide offers superior control over HF coverage, with reduced distortion, greater output and smoother frequency response. The elliptical shape means that there are no corners or parallel surfaces to distort, diffract or reflect the sound—therefore the output is smoother, cleaner and more consistent. Again, due to the elliptical shape, mid to high frequencies are diffused more efficiently. When coupled with a true compression driver, the result is brilliant, natural HF reproduction.

#### VERSATILITY

Full range cabinets in the EVP-X Series are trapezoidal in shape and therefore easily arrayable. They also feature an alloy stand adaptor in the base of the unit for mounting on tripods or for use in combination with one of the complimentary sub bass systems.

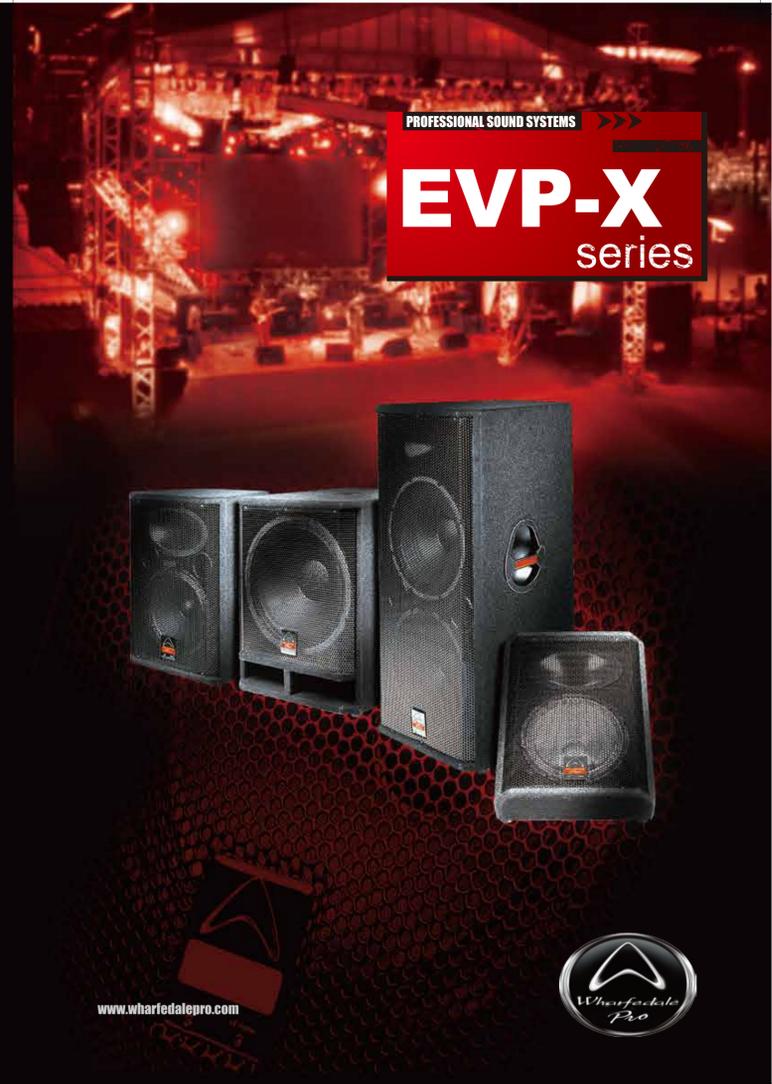
#### EASE OF USE

The EVP-X have the added benefit of signal present and HF protect LED indicators on the front of the loudspeaker—green to show signal present and orange to show the HF bulb is active, making it easy to monitor the system levels.



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One to one comparisons against any competitive speaker will dramatically demonstrate the superior design, build quality and overall value of the EVP-X Series.

THE WHARFEDALE PROFESSIONAL EVP-X series loudspeaker systems are the latest evolution of our highly successful EVP-S family. Built around the development of an exceptional new Elliptical Waveguide Horn coupled with a Ferrofluid cooled 44mm titanium compression driver the high frequency performance and system reliability of this series is unprecedented in this product class. High

output capability and low distortion with excellent high frequency extension characterize these new drivers. When comparing sound quality and specifications to the competition, the advantages of Wharfedale Pro built and designed components, the real compression driver and our sophisticated crossover can immediately be heard and appreciated.

#### FEATURES

- 90 X 60 Elliptical Wave Guide Horn
- High power handling, high efficiency
- Protective grilles
- Integral High Frequency Driver Overload protection "PRO-TECH"
- Sophisticated crossover design enables smooth power and frequency response control through crossover region
- Trapezoid shape for arraying cabinets
- Integral tripod stand adaptor
- High frequency EQ switch to boost (+3dB) or FLAT output
- High pass output for mid/high frequency satellite speakers (subwoofers only)
- Signal present and HF protect LED indicators on full range cabinets

These loudspeakers combine superb vocal projection with tight bass performance in a range of compact cabinets.



**EVP-X12**  
12" 2-way full range

**EVP-X15**  
15" 2-way full range

**EVP-X12M**  
12" 2-way monitor

**EVP-X15M**  
15" 2-way monitor

**EVP-X15B**  
15" compact subwoofer

**EVP-X18B**  
18" compact subwoofer

**EVP-X215**  
Quasi 3 way full range

#### EVP-X Series Specification

Model Name	EVP-X12	EVP-X15	EVP-X12M	EVP-X15M	EVP-X215	EVP-X15B	EVP-X18B
System Type	12" 2-way	15" 2-way	12" 2-way monitor	15" 2-way monitor	Quasi 3 way	15" compact sub	18" compact sub
FREQ RESP +/-3dB	55Hz-20kHz	45Hz-20kHz	60Hz-20kHz	50Hz-20kHz	40Hz-20kHz	45Hz-250Hz	38Hz-250Hz
Sensitivity 1w@1m	98dB	98dB	98dB	98dB	100dB	99dB	100dB
Nominal Dispersion (HxV)	90°x60°	90°x60°	90°x60°	90°x60°	90°x60°	-	-
Peak SPL (dB)	128	129	128	129	133	131	134
System Impedance	8	8	8	8	4	4	4
Power Handling (watts)							
Continuous	250	300	250	300	500	400	600
Music	500	600	500	600	1000	800	1200
Peak	1000	1200	1000	1200	2000	1600	2400
LF Driver							
LF Driver size (mm/ins)	305/12	380/15	305/12	380/15	380/15	380/15	470/18
Coil size (mm/ins)	51.6/2"	64.26/2.5"	51.6/2"	64.26/2.5"	64.26/2.5"	77.06/3.0"	102.62/4.0"
Impedance (ohms)	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	4 ohms	4 ohms
HF SECTION							
Coil Size (mm/ins)	44/1.75"	44/1.75"	44/1.75"	44/1.75"	44/1.75"	-	-
Exit size (mm/ins)	25/1"	25/1"	25/1"	25/1"	25/1"	-	-
Diaphragm Material	Titanium	Titanium	Titanium	Titanium	Titanium	-	-
Impedance (ohms)	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	-	-
HF HORN							
SHAPE	Elliptical	Elliptical	Elliptical	Elliptical	Elliptical	-	-
THROAT SIZE (ms)	1	1	1	1	1	-	-
CROSSOVER SECTION							
Type	2-way full range	2-way full range	2-way monitor	2-way monitor	2-way full range	subwoofer	subwoofer
Low pass (Hz)	2.2kHz	2.2kHz	2.2kHz	2.4kHz	2.2kHz	150Hz	150Hz
High pass filter (Hz)	-	-	-	-	-	100Hz	100Hz
HF driver protect type	Bulb	Bulb	Bulb	Bulb	Bulb	-	-
HF EQ (boost/flat)	3dB	3dB	3dB	3dB	3dB	-	-

Model Name	EVP-X12	EVP-X12M	EVP-X15	EVP-X15M	EVP-X215	EVP-X15B	EVP-X18B
ENCLOSURE							
ENCLOSURE TYPE	Vented	Vented	Vented	Vented	Vented	Vented	Vented
ENCLOSURE SHAPE	Trap	Monitor	Trap	Monitor	Trap	Rect	Rect
FINISH MATERIAL	Black carpet	Black carpet	Black carpet	Black carpet	Black carpet	Black carpet	Black carpet
TRIPOLE STAND							
STAND BOTTOM	Yes	No	Yes	No	-	-	-
STAND TOP	-	-	-	-	-	Yes	Yes
IN/OUT PANEL							
CONNECTORS INPUT	2x1/4" jacks and 2xSpeaker™ type connector				2x1/4" jacks and 2xSpeaker™ type connector		
HIGH PASS FILTER						1x1/4" jacks and 1xSpeaker™ type connector	
CONNECTOR OUT	N/A	N/A	N/A	N/A	N/A	1xSpeaker™ type connector	
WEIGHT NET (kg)	19.3kg	18.5kg	25.95kg	23.4kg	43.2kg	33.5kg	47.4kg
WEIGHT GROSS (kg)	22kg	21.1kg	28kg	29.5kg	48kg	36.5kg	50.7kg
DIMENSIONS (mm)							
HEIGHT	590	560	675	645	1058	591	610
WIDTH	430/297.5	434	460/294.5	445	502/330	460	532
DEPTH	370	441	450	473.5	467	510	610