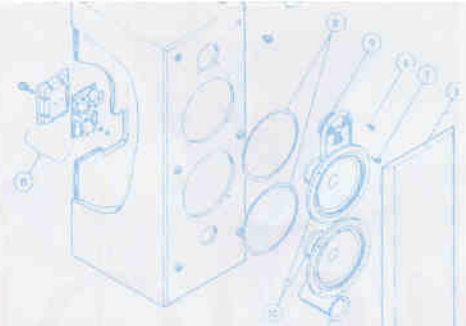




VISION

DESIGN *by* B&W





A NEW RANGE OF DOMESTIC SPEAKERS DESIGNED BY B&W

THE NEW VISION DS RANGE OF LOUDSPEAKERS WILL SHATTER ANY PRECONCEPTIONS YOU HAVE ABOUT WHAT TO EXPECT FROM WHAT ARE COMMONLY CALLED BUDGET SPEAKERS. PERFORMANCE HAS BEEN RAISED TO A NEW LEVEL. VISION INCORPORATES IMPROVEMENTS IN LINEARITY, INNOVATIONS IN TWEETER PERFORMANCE AND FEATURES THE HIGHEST QUALITY CROSSOVER NETWORKS. LISTENING TO VISION, YOU'LL SEE WHY THE RANGE IS ALREADY ESTABLISHING ITSELF AS THE FORERUNNER IN ITS CLASS.

WITH VISION WE ARE TALKING ABOUT A SUPERIORITY BASED ON THE RESEARCH AND TECHNOLOGY OF THE WORLD RENOWNED EXPERTS IN THE FIELD, B&W. GREAT SYSTEMS ARE NOT COBBLED TOGETHER BUT DESIGNED STEP-BY-STEP. VISION HAS BEEN DEVELOPED FROM THE SAME DESIGN ROOTS THAT HAVE ESTABLISHED B&W'S REPUTATION FOR EXCELLENCE IN SOUND REPRODUCTION AT THE TOP INTERNATIONAL RECORDING STUDIOS.

VISION BENEFITS FROM B&W'S RESEARCH TOOLS, INCLUDING COMPUTER AIDED DESIGN FOR CABINETS, CONE PROFILES AND THE CHOICE OF THE BEST MATERIALS AVAILABLE FOR EACH APPLICATION. AT THE DISPOSAL OF VISION TOO, ARE B&W'S PIONEERING THREE-DIMENSIONAL LASER DOPPLER VELOCIMETRY AND LOGARITHMIC, CUMULATIVE DELAY SPECTROMETRY. ADD TO THIS CONCENTRATED BRAIN POWER, B&W'S FAMOUS DISPERSION CHARACTERISTICS CONFERRING GREAT DEPTH AND STEREO IMAGING AND YOU BEGIN TO REALISE WHY VISION REPRESENTS A BREAKTHROUGH IN PERFORMANCE AT THIS LEVEL OF THE PRICE RANGE.

IT'S B&W'S UNPARALLELED CROSSOVER TECHNOLOGY WHICH HAS ENABLED ITS ENGINEERS TO OBTAIN THE EXCEPTIONAL DEGREE OF FINE TUNING AND IDEAL RESPONSE WHICH SETS VISION APART FROM EVERY OTHER BUDGET SPEAKER IN ITS CLASS.

AS ONE OF THE MOST IMPORTANT COMPONENTS OF A SPEAKER SYSTEM, IT FOLLOWS THAT THE GREATER THE OPTIMISATION OF THE CROSSOVER THE BETTER THE FINAL SYSTEM SOUND. HOWEVER, THE FEWER CROSSOVER COMPONENTS USED THE BETTER THE SOUND, BECAUSE ALTHOUGH THESE COMPONENTS CAN HELP TO MASK DEFECTS IN THE DRIVERS THEY ALSO STORE

UNWANTED ENERGY WHICH CAN LEAD TO COLOURATION OF THE SOUND.

BASS IS THE FOUNDATION OF THE MUSIC AND IT'S HERE IN THIS FUNDAMENTAL AREA THAT VISION INCORPORATES SOME OF THE MOST EXCITING DEVELOPMENTS. FOR CONSISTENT PERFORMANCE REGARDLESS OF AMPLITUDE, FREQUENCY AND TEMPERATURE, BASS UNITS HAVING HIGH TEMPERATURE VOICE COILS WOUND ON GLASS REINFORCED KAPTON FORMERS ARE USED. FOR THE DS1 AND DS2 MODELS PVC COMPOUNDS WERE CHOSEN TO TERMINATE THE FIBRE CONES. FOR THE DS3 AND DS4, SPECIAL RUBBER COMPOUNDS TO COMPLEMENT THE EXCLUSIVE POLYPROPYLENE CONES. DIFFERENT MATERIALS FOR DIFFERENT UNITS TO ACHIEVE THE SAME RESULTS: HIGH DAMPING ABSORPTION, ABSENCE OF UNWANTED RESONANCES AND COLOURATION.

TO GUARANTEE THE RIGHT BALANCE BETWEEN VARIABLES SUCH AS DRIVER SENSITIVITY AND BOX VOLUME, B&W'S CAD SYSTEMS WERE APPLIED TO ENSURE THE OPTIMUM BASS RESPONSE. HIGH SENSITIVITY TWEETERS INCORPORATING FERROFLUID COOLING AND DAMPING ENSURE THE CORRECT HIGH FREQUENCY RESPONSE.

FROM THE DRIVERS TO THE CABINET DESIGN AN INTEGRATED PERFORMANCE IS ASSURED. CABINETS HAVE BEEN STYLED TO MINIMISE DIFFRACTION AND WITH BEVELLED EDGES THEY LOOK GREAT TOO. THE VISION RANGE EMPLOYS THE SAME UNIQUELY OPEN B&W PATENTED GRILLE FRAME AS USED IN THEIR TOP-OF-THE-RANGE MODELS. THIS WELL-DAMPED OPEN GRILLE COMBINED WITH CAREFULLY CHOSEN CLOTH MATERIAL GIVES MINIMAL REFLECTION AND MAXIMUM SOUND TRANSMISSION.



DS1



THIS IS WHERE IT ALL COMES TOGETHER: THE DESIGN, THE TECHNOLOGY, THE INNOVATIONS. THIS 10-LITRE TWO-WAY BASS REFLEX SYSTEM GIVES POWER HANDLING AND REALISM FAR BEYOND THE NORM FOR A SYSTEM CAPABLE OF SUCH SUBTLETY. IT'S ACHIEVED THROUGH A COMBINATION OF A 165MM (6½IN) COMPOSITE SHORT FIBRE BASS CONE UNIT AND 25MM (1IN) POLYESTER-DOMED TWEETER WITH 90DB SENSITIVITY. EXCELLENT RESPONSE LINEARITY IS MAINTAINED TO ±3DB BETWEEN 66HZ AND 20KHZ.





DS2



DOUBLE THE VISION — DOUBLE THE VOLUME TO A 21-LITRE TWO-WAY BASS REFLEX SYSTEM. BUT IT'S NOT JUST A QUESTION OF SCALE. THERE'S MORE ACCURACY IN RESPONSE, A SMOOTHER, MORE EXACT SOUND AND GREATER POWER HANDLING. FEW IN THIS PRICE BRACKET CAN MATCH THE PERFORMANCE OF THE 180MM (7IN) FIBRE CONE BASS UNIT WITH ITS COMPANION 19MM (3/4IN) FERROFLUID-COOLED POLYAMIDE-DOMED TWEETER. LINEARITY REMAINS EXCEPTIONAL AT ± 3 DB FROM 48HZ TO 20KHZ.

DS3



FORGET THE TRADITIONAL BUDGET SPEAKER WITH ITS INEFFECTIVE MIDRANGE UNIT COMPLETE WITH TINY MAGNETS OR ITS MIEDIOCRE BASS UNIT. DS3 IS A 27-LITRE THREE-WAY BASS REFLEX SYSTEM POWERED BY TWO 180MM (7IN) POLYPROPYLENE CONE DRIVERS COVERING THE BASS, BASS/MIDRANGE. THE HIGHEST FREQUENCY RANGE COVERED BY ITS FERROFLUID 19MM (3/4IN) POLYAMIDE-DOMED TWEETER. SWITCHED-ON PERFORMANCE THAT BREAKS THE TRADITION IN THIS PRICE RANGE.

DS4



EXTENDING ALL THE WAY DOWN TO THE DEEPEST BASS REPRODUCTION. THAT'S THE NEW REALITY OF THE DS4. THIS HANDSOME 42-LITRE THREE-WAY BASS REFLEX SYSTEM IS A VISION WORTH SEEING AS WELL AS LISTENING TO. YOU'RE LISTENING TO TWO B&W 180MM (7IN) POLYPROPYLENE CONE DRIVERS, BRINGING POWER HANDLING AND EXCEPTIONAL EXTENSION TO THE BASS AND BASS/MIDRANGE REGIONS. THROUGHOUT THE MUSICAL BAND YOU EXPERIENCE POWER REPRODUCTION AT ITS SMOOTHEST. WITH THE HELP OF SOPHISTICATED RESEARCH, AUTHENTIC MUSICAL FEELING IS ACHIEVED IN THE DEFINITION, LOCATION AND SEPARATION OF EACH INSTRUMENT UNTOUCHED BY COLOURATION.



SPECIFICATIONS

DS1

DS2

DS3

DS4

FREQUENCY RANGE

53HZ TO 22KHZ (-6DB POINTS)

45HZ TO 22KHZ (-6DB POINTS)

40HZ TO 22KHZ (-6DB POINTS)

34HZ TO 22KHZ (-6DB POINTS)

BASS LOADING

FOURTH-ORDER VENTED ALIGNMENT

FOURTH-ORDER VENTED ALIGNMENT

FOURTH-ORDER VENTED ALIGNMENT

FOURTH-ORDER VENTED ALIGNMENT

FREQUENCY RESPONSE

66HZ TO 20KHZ ±3DB (FREE-FIELD)

48HZ TO 20KHZ ±3DB (FREE-FIELD)

47HZ TO 20KHZ ±3DB (FREE-FIELD)

39HZ TO 20KHZ ±3DB (FREE-FIELD)

DISPERSION

20HZ TO 20KHZ
VERTICAL: ±2DB OVER 10° ARC
HORIZONTAL: ±2DB OVER 40° ARC

20HZ TO 20KHZ
VERTICAL: ±2DB OVER 10° ARC
HORIZONTAL: ±2DB OVER 40° ARC

20HZ TO 20KHZ
VERTICAL: ±2DB OVER 10° ARC
HORIZONTAL: ±2DB OVER 40° ARC

20HZ TO 20KHZ
VERTICAL: ±2DB OVER 10° ARC
HORIZONTAL: ±2DB OVER 40° ARC

SENSITIVITY

90DB (2.83V, 1M)

90DB (2.83V, 1M)

90DB (2.83V, 1M)

90DB (2.83V, 1M)

DISTORTION

FOR 90DB AT 1M
SECOND HARMONIC:
<3% (20HZ TO 300HZ)
<1% (300HZ TO 20KHZ)
THIRD HARMONIC:
<3% (20HZ TO 150HZ)
<1% (150HZ TO 20KHZ)

FOR 90DB AT 1M
SECOND HARMONIC:
<3% (20HZ TO 300HZ)
<1% (300HZ TO 20KHZ)
THIRD HARMONIC:
<3% (20HZ TO 150HZ)
<1% (150HZ TO 20KHZ)

FOR 90DB AT 1M
SECOND HARMONIC:
<1% (20HZ TO 20KHZ)
THIRD HARMONIC:
<1.5% (20HZ TO 300HZ)
<1% (300HZ TO 20KHZ)

FOR 90DB AT 1M
SECOND HARMONIC:
<1% (20HZ TO 20KHZ)
THIRD HARMONIC:
<1.5% (20HZ TO 300HZ)
<1% (300HZ TO 20KHZ)

IMPEDANCE

4Ω NOMINAL

4Ω NOMINAL

4Ω NOMINAL

4Ω NOMINAL

CROSSOVER

SECOND-ORDER LOW-PASS
AND HIGH-PASS

SECOND-ORDER LOW-PASS
AND HIGH-PASS

THIRD-ORDER LOW-PASS
SECOND-ORDER HIGH-PASS

THIRD-ORDER LOW-PASS
SECOND-ORDER HIGH-PASS

DRIVE UNITS

ONE 165MM (6½IN) LOW FREQUENCY
WITH COMPOSITE SHORT FIBRE CONE
ONE 25MM (1IN) HIGH FREQUENCY
WITH POLYESTER DOME

ONE 180MM (7IN) LOW FREQUENCY
WITH COMPOSITE SHORT FIBRE CONE
ONE 19MM (¾IN) HIGH FREQUENCY
WITH POLYAMIDE DOME

TWO 180MM (7IN) LOW FREQUENCY
WITH POLYPROPYLENE CONE
ONE 19MM (¾IN) HIGH FREQUENCY
WITH POLYAMIDE DOME

TWO 180MM (7IN) LOW FREQUENCY
WITH POLYPROPYLENE CONE
ONE 19MM (¾IN) HIGH FREQUENCY
WITH POLYAMIDE DOME

POWER HANDLING

60W DIN
SUITABLE FOR AMPLIFIERS
UP TO 100W RMS

65W DIN
SUITABLE FOR AMPLIFIERS
UP TO 120W RMS

95W DIN
SUITABLE FOR AMPLIFIERS
UP TO 180W RMS

100W DIN
SUITABLE FOR AMPLIFIERS
UP TO 200W RMS

DIMENSIONS

HEIGHT: 359MM (14IN)
WIDTH: 210MM (8¼IN)
DEPTH: 188MM (7½IN)

HEIGHT: 497MM (19½IN)
WIDTH: 240MM (9½IN)
DEPTH: 222MM (8¾IN)

HEIGHT: 663MM (26IN)
WIDTH: 240MM (9½IN)
DEPTH: 222MM (8¾IN)

HEIGHT: 800MM (31½IN)
WIDTH: 240MM (9½IN)
DEPTH: 282MM (11IN)

WEIGHT

4.1KG (9LB)

5.7KG (12½LB)

8.0KG (17½LB)

10.2KG (22½LB)

CABINET FINISH

SIMULATED VENEERS OF BLACK ASH
OR WALNUT

SIMULATED VENEERS OF BLACK ASH
OR WALNUT

SIMULATED VENEERS OF BLACK ASH
OR WALNUT

SIMULATED VENEERS OF BLACK ASH
OR WALNUT



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WORTHING BN11 2RX · ENGLAND**

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