



Engineering Design Specification

Date Effective: 10/21/98

EDS Number: 1750

Date Revised: n/a

Page: 1 of 3

Model: 4645C

GENERAL DESCRIPTION:

MODEL: 4645C
DESCRIPTION: 18" SUB-WOOFER

SYSTEM COMPONENTS:

Low Frequency Transducer: 2242H (E.D.S. #1657)
High Frequency Transducer: N/A
Crossover Network: N/A

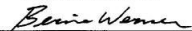
ACOUSTIC AND ELECTRICAL SPECIFICATIONS:

Frequency Response: (See Attached Curve, Page 2)
Harmonic Distortion: (See Attached Curve, Page 3)
Rated Impedance: 8 ohms
Minimum Impedance: 7.2 ohms
Power Test Specification: 72 Volts, 25 Hz - 250 Hz Pink noise,
18dB/octave Butterworth High pass,
18dB/octave Butterworth Low pass,
2+6+92 hours
Engineering Test Specification: (See document # 010-00131-00)
Polarity: Positive Voltage Applied to Red (+) Terminal
Produces Outward Cone Motion.

PHYSICAL SPECIFICATIONS:

Net Enclosure Volume: 225 Liters
Maximum External Dimensions: 1.01 x 0.674 x 0.450 m
Weight (ea.) 63 Kg
Shipping Weight (ea.) 69 Kg

DESIGN ENGINEER


Bernard Werner



Engineering Design Specification

Date Effective: 10/21/98

EDS Number: 1750

Date Revised: n/a

Page: 2 of 3

Model: 4645C

Frequency Response and Impedance:

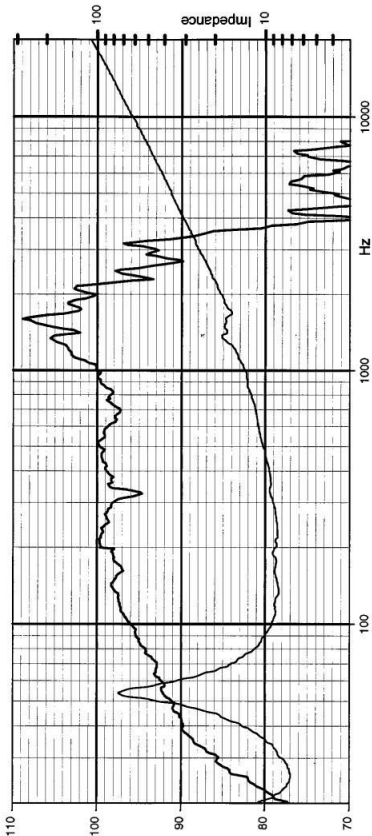
Model: 4645C
Input: 2.83 Volts

Response measured on 8500 ground plane.

Production Test Limits: (ETS document # 010-00131-00)

Test limits for 1/3 octave bins,
with pink noise stimulus:

22 Hz - 50Hz	± 5.0dB
57 Hz - 202 Hz	± 1.5dB
226 Hz - 1016 Hz	± 5.0dB





Engineering Design Specification

Date Effective: 10/21/98

EDS Number: 1750

Date Revised: n/a

Page: 3 of 3

Model: 4645C

100 Watt Harmonic Distortion:

Model: 4645C

Input Voltage: 28.3 Volts

Response measured on 8500 Ground Plane.

Top Curve: On-axis, 28.3V

2nd & 3rd curves: 2nd and 3rd Harmonics
(Raised 20 dB)

