

# Technical Manual

## Beta ES250



### ACOUSTIC & ELECTRICAL SPECIFICATIONS:

- Nominal Impedance 8Ω
- Max Amp Power 150 watts\*
- Frequency Response 60Hz - 20kHz (±3dB)  
50Hz - 40kHz (±6dB)
- Sensitivity 87dB (2.83V @ 1 meter)
- Crossover Frequency 2.3kHz: 12dB/Octave

### SYSTEM COMPONENTS:

- Cabinet Beta ES250 (Not for Sale)
- Side Grille Black (for BLK) 352246-003
- Side Grille Gray (for WHT) 352246-004
- Low-Frequency Transducer Dual 5" (130mm) CMMD™ 352097-001
- D-C Resistance 10.5 ohms ±10%
- High-Frequency Transducer Dual 1" (25mm) CMMD™ 351572-001
- D-C Resistance 3.5 ohms ±10%
- Crossover Network (for BLK) 351699-001
- Crossover Network (for WHT) 351699-002

### AURAL SWEEP TEST SPECIFICATIONS:

- System Aural Sweep Test 6.0V Input 50Hz to 20kHz
- L.F. Aural Sweep Test 5.0V Input 50Hz to 3kHz
- H.F. Aural Sweep Test 2.83V Input 2kHz to 20kHz

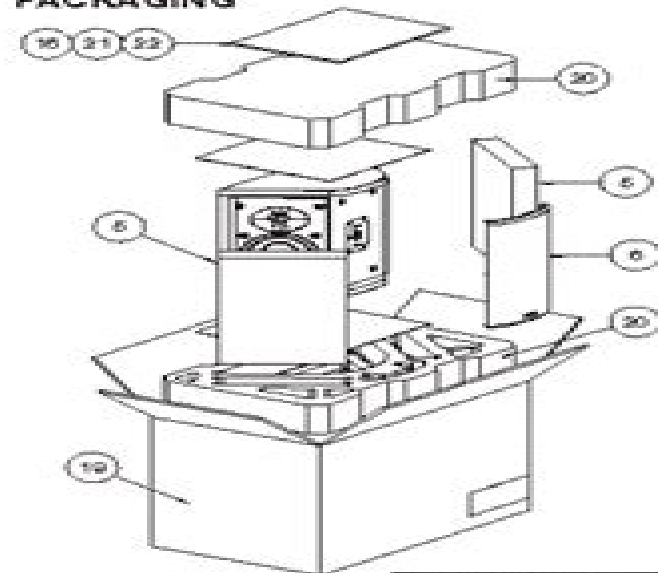
### PHYSICAL SPECIFICATIONS:

- Dimensions 13-3/4" x 11-13/16" x 6-7/8"  
(350mm x 300mm x 175mm)
- Weight 12.5 lb (5.7kg) Each

### WARRANTY:

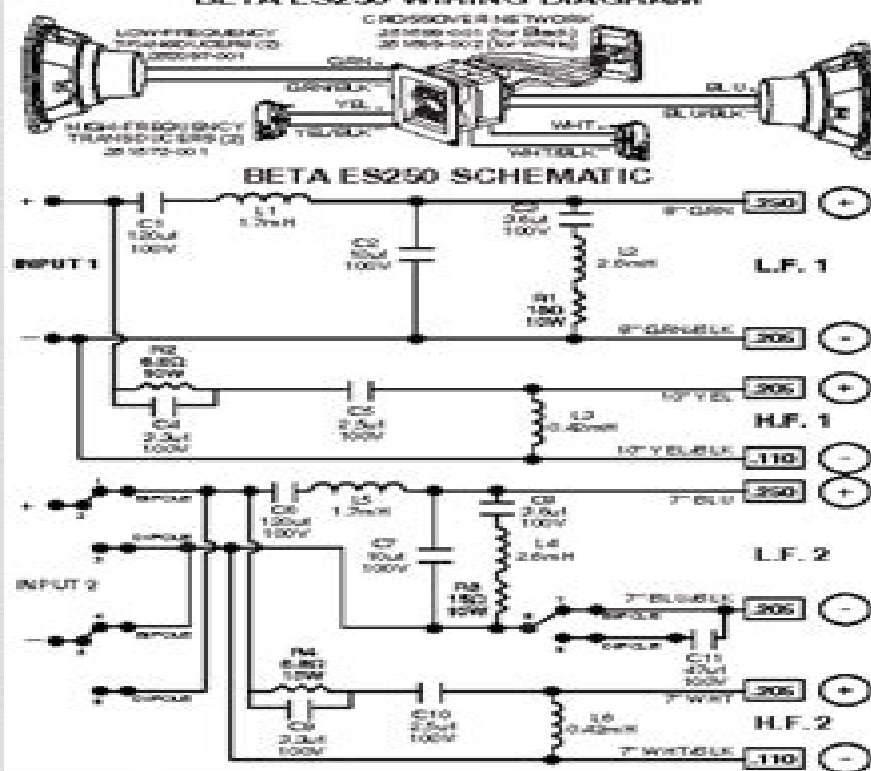
- Refer to Warranty Statement packed with each product.
- The maximum recommended amplifier power rating will ensure proper system headroom to allow for occasional peaks. We do not recommend sustained operation at these maximum power levels.

### PACKAGING



Legend on Page 2

### BETA ES250 WIRING DIAGRAM



Beta ES250

# Infinity Beta Es250 Manual

**LL Leslie**



## **Infinity Beta Es250 Manual:**

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### **Infinity Beta Es250 Manual Introduction**

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web the control circuit is based on a cmos inverter ic1 type 40106 the motor is switched by a darlington with discrete components t1 t2 ic1a inverter operates as an oscillator whose duty cycle the t2 leads so the motor receives energy is

determined by r2 c2 d3 gave the inactive signal oscillator when t2 is blocked is determined by r3 p1

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web the diagram below has two components the normally open temperature switch and the magnetic contactor the three normally closed contacts that represent the olr protection are connected in series with the motor coil and so can be treated as a single device in practice a motor starter often only has two external connection points and all internal

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web motor control circuits are often connected to lower voltages than the motor they control to make it safer for operators and maintenance personnel

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web ically when voltage returns the control circuit is completed through the stop button and also a holding contact 2 3 on the starter when starter drops out this contact opens breaking the control circuit until the start button is pressed once again l3 t3 t

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web jun 2 2002 hobby circuit designed by david johnson p e february 2010 12v pwm motor light controller the diagrams are

for 12v operation only and there are high side common ground and low side common 12v versions the low side version of the circuit uses an n channel fet the high side version of the circuit uses a p channel fet

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web motor contactor or starter coils are typically designated by the letter m in ladder logic diagrams

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web an mcc comprises three buses for a three phase system and the cabinet consists of a circuit breaker a motor starter and a control transformer however the actual contents vary widely as per requirements the circuit breaker has a handle that goes through the door to switch it off without opening it for safety purposes

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