

Technical Specifications

Version 1.1 July 2002



B300



www.behringer.com

B300

Fully Active 2-Way Loudspeaker System with Integrated EQ and Mic Preamp

- ▲ 2-way bi-amping for excellent sound reproduction
- ▲ Two integrated high-power amps for low and high frequency ranges delivering a total of 300 Watts
- ▲ High-efficiency components for extremely high sound pressure levels and ultra-low distortion
- ▲ Extensive phase and time correction ensures perfect system alignment
- ▲ Innovative Reflex Cooling System for automatic convection-type cooling
- ▲ Extremely rugged, low-resonance plastic enclosure
- ▲ Special design allows for flying operation
- ▲ High-efficiency 1.25" compression driver with titanium dome for excellent high-frequency reproduction
- ▲ 15" long-throw woofer with high-power magnet
- ▲ Integrated 2-band equalizer and on-board crossover network with integrated limiter ensures speaker protection
- ▲ Balanced audio inputs on XLR and ¼" TRS connectors
- ▲ High-quality microphone preamplifier allows for direct connection of dynamic microphones
- ▲ Signals can be looped through to drive additional B300's
- ▲ Clearly visible power and overload LED's on front and rear panel for optimal operational control
- ▲ Integrated suspension points and socket for pole or stand mounting
- ▲ Manufactured under ISO9000 certified management system

SPECIFICATIONS

SPEAKER COMPLEMENT

High-performance woofer 15P200A3

| | |
|---------------------|-------------------|
| Diameter | 15" (385 mm) |
| Sensitivity | 98 dB @ 1 W / 1 m |
| Impedance | 3 ohms |
| Power (RMS / music) | 200 W / 400 W |

Tweeter compression driver 34P30A8

| | |
|-------------------------|---------------------------|
| Diameter | 1.25" (34 mm) |
| Sensitivity (with horn) | 105 dB @ 1 W / 1 m |
| Impedance | 8 ohms |
| Power (RMS) | 30 W / 2 kHz @ 12 dB/oct. |

Horn (dispersion angle) 100° x 40°

AMPLIFIERS

Woofer range

| | |
|--------------|---------------------------|
| Power (RMS) | 175 W @ 3 ohms / 0.1% THD |
| Power (Peak) | 230 W |

Tweeter range

| | |
|--------------|--------------------------|
| Power (RMS) | 50 W @ 8 ohms / 0.1% THD |
| Power (Peak) | 70 W |

Limiter

opto-controlled

AUDIO INPUTS

| | |
|--------------------|------------------|
| XLR connector | (servo-balanced) |
| 1/4" TRS | (servo-balanced) |
| Input resistance | 20 kohms |
| Sensitivity (line) | -4 dB to +18 dB |
| (mic) | -24 dB to -4 dB |

AUDIO OUTPUT

XLR connector

SYSTEM DATA

| | |
|-----------------------|-----------------------|
| Frequency range | 50 Hz to 18 kHz |
| Crossover frequency | 2 kHz (12 dB / 24 dB) |
| Bass reflex alignment | 6 th order |
| Max. SPL | 124 dB @ 1 m |

POWER SUPPLY

| | | |
|------------------|------------------------|--|
| Mains voltage | U.S./Canada | 120 V ~, 60 Hz |
| | U.K./Australia | 240 V ~, 50 Hz |
| | Europe | 230 V ~, 50 Hz |
| | General export model | 100 - 120 V ~, 200 - 240 V ~, 50 - 60 Hz |
| | Power consumption | 300 W max. |
| Fuse | 100 - 120 V ~: | T 6,3 A H |
| | 200 - 240 V ~: | T 3,15 A H |
| Mains connection | Standard IEC connector | |

PHYSICAL

| | |
|------------------------|--|
| Dimensions (H x W x D) | approx. 28" (710 mm) x 18" (457 mm) x 16 3/4" (425 mm) |
| Weight | approx. 31 kg |

BEHRINGER is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without further notice. Specifications and appearance may differ from those listed or shown.

The information contained in this sheet is subject to change without notice. No part of this sheet may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording of any kind, for any purpose, without the express written permission of BEHRINGER Spezielle Studiotechnik GmbH.

BEHRINGER is a registered trademark. ALL RIGHTS RESERVED.

© 2002 BEHRINGER Spezielle Studiotechnik GmbH.

BEHRINGER Spezielle Studiotechnik GmbH, Hanns-Martin-Schleyer-Str. 36-38, 47877 Willich-Münchheide II, Germany

Tel. +49 (0) 21 54 / 92 06-0, Fax +49 (0) 21 54 / 92 06-30
