



TECHNICAL Practice

TELECOM SOLUTIONS FOR THE 21ST CENTURY

25AE/30AE/35AE

Paging Horn and Ceiling Speakers

April 28, 2006

Cost Effective Speakers for Indoor and Outdoor Use



Model 25AE

The **25AE**, **30AE** and **35AE** paging speakers provide additional economical paging coverage to existing Viking paging units (**PA-2A**, **PA-30**, **CPA-7B**, **HF-3W**, **M2W**) or to any system with an 8 ohm output.

In outdoor, factory or warehouse environments, **25AE** paging horns are the best method of producing understandable sound. In these environments the directional design allows the installer to focus the sound cone down aisles and toward work areas.



Model 30AE

In office and restaurant environments, it is best to distribute sound more evenly. Ceiling mounted **30AE** or **35AE** speakers in close proximity offer the best distribution and are cost effective. The **35AE** speakers also include a volume control.



Model 35AE

Features

25AE Paging Horn

- Adjustable base for easy mounting and directional adjustment
- Compact design for out of the way mounting
- Designed to work with all of Viking's paging products

30AE/35AE Ceiling Speakers

- Attractive white grill for flush mounting in office ceilings
- Mounting hardware included: (4) 2.5" bolts, (4) nuts and (4) 1" diameter washers
- Large permanent magnet
- Excellent frequency response
- Designed to work with all of Viking's paging products
- The **35AE** includes a volume control

Applications

- Add additional speakers and coverage area to existing paging systems such as Viking's **PA-2A**, **PA-30**, **CPA-7B**, **HF-3W**, **M2W**
- Add speakers to the **DVA-2WA**

Phone...715.386.8861

Specifications

Model 25AE

- Nominal Power:** 12 watts
- Impedance:** 8 ohms
- Dimensions:** 127mm (5") diameter
- Shipping Weight:** .68 kg (1.5 lbs)
- Environmental:** 5% to 95% non-condensing humidity
- Frequency Response:** 400 Hz to 7000 Hz

Model 30AE/35AE

- Nominal Power:** 6 watts
- Impedance:** 8 ohms
- Dimensions:** 324mm x 95mm (12.75" x 3.75")
- Shipping Weight:** 1.36 kg (3 lbs)
- Environmental:** 5% to 95% non-condensing humidity
- Frequency Response:** 85 Hz to 15000 Hz



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<http://www.vikingelectronics.com>

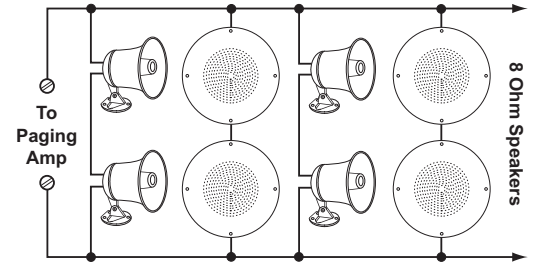
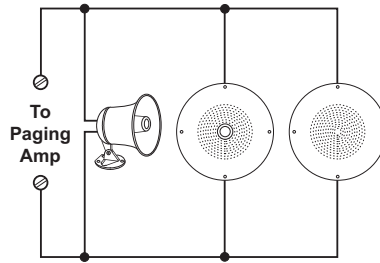
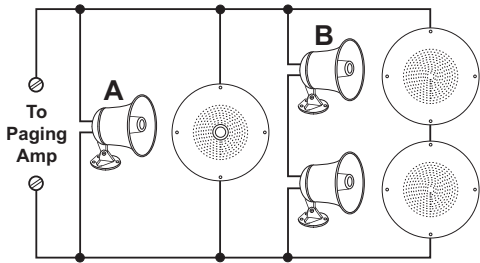
Installation

The **25AE** paging horn is designed to be surface mounted to any rigid surface. Mounting hardware for the **30AE** and **35AE** ceiling speakers is included for easy installation in drop ceilings or speaker enclosures. **Note:** The **25AE** paging horn is approximately 5db louder than the ceiling speakers. **Important:** The **35AE** ceiling speaker must be parallel wired.

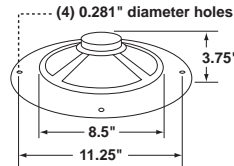
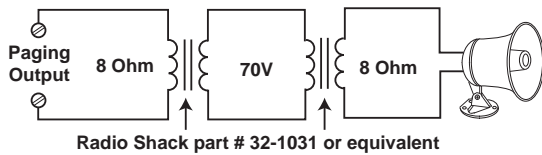
Series / Parallel: Speaker **A** will have approximately twice the volume of speaker **B**.

Parallel: Similar speakers will have the same volume.

Series / Parallel: If connected as shown, see table below for speaker recommendations.



Long Cable Runs - Very long runs may require step-up transformers.



Paging Amp	Outputs	Speakers Per Output	
		Parallel	Series/Parallel
CPA-7B	1	8	16
HF-3W	1	1	2
M2W	1	3	6
PA-2A	1	3	6
PA-30	2	15	30

Recommendations

Ambient Noise Environment	Level	Typical Examples	Ceiling Height	Distance Between Speakers
Quiet - Conversations very easily understood.	50dB	Hotel lobby, hospital area, quiet office	9 ft 14 ft	35 ft 50 ft
Normal - Conversations easily understood.	60dB	Bank lobby, department store, auditorium	9 ft 14 ft	25 ft 35 ft
Noisy - Voice must be raised to be understood.	70dB*	Assembly line, supermarket, restaurant	9 ft 14 ft	15 ft 25 ft
Very Noisy - Conversation difficult or impossible.	80dB*	Punch press, printing plant, garage, yard	Paging Horns	25 ft to 75 ft

* **Note:** An **FBI-1A** Feedback Eliminator is recommended. For more information, retrieve **Fax Back Document 465**.

IF YOU HAVE A PROBLEM WITH A VIKING PRODUCT, PLEASE CONTACT: VIKING TECHNICAL SUPPORT AT (715) 386-8666

Our Technical Support Department is available for assistance Monday 8am-4pm and Tuesday-Friday 8am - 5pm central time. So that we can give you better service, before you call please:

1. Know the model number, the serial number and what software version you have (see serial label).
2. Have your Technical Practice in front of you.
3. It is best if you are on site.

RETURNING PRODUCT FOR REPAIR

The following procedure is for equipment that needs repair:

1. Customer must contact Viking's Technical Support Department at 715-386-8666 to obtain a Return Authorization (RA) number. The customer MUST have a complete description of the problem, with all pertinent information regarding the defect, such as options set, conditions, symptoms, methods to duplicate problem, frequency of failure, etc.
2. Packing: Return equipment in original box or in proper packing so that damage will not occur while in transit. Static sensitive equipment such as a circuit board should be in an anti-static bag, sandwiched between foam and individually boxed. All equipment should be wrapped to avoid packing material lodging in or sticking to the equipment. Include ALL parts of the equipment. C.O.D. or freight collect shipments cannot be accepted. Ship cartons prepaid to: **Viking Electronics, 1531 Industrial Street, Hudson, WI 54016**
3. Return shipping address: Be sure to include your return shipping address inside the box. We cannot ship to a PO Box.
4. RA number on carton: In large printing, write the R.A. number on the outside of each carton being returned.

RETURNING PRODUCT FOR EXCHANGE

The following procedure is for equipment that has failed out-of-box (within 10 days of purchase):

1. Customer must contact Viking's Technical Support at 715-386-8666 to determine possible causes for the problem. The customer MUST be able to step through recommended tests for diagnosis.
2. If the Technical Support Product Specialist determines that the equipment is defective based on the customer's input and troubleshooting, a Return Authorization (R.A.) number will be issued. This number is valid for fourteen (14) calendar days from the date of issue.
3. After obtaining the R.A. number, return the approved equipment to your distributor, referencing the R.A. number. Your distributor will then replace the product over the counter at no charge. The distributor will then return the product to Viking using the same R.A. number.
4. **The distributor will NOT exchange this product without first obtaining the R.A. number from you. If you haven't followed the steps listed in 1, 2 and 3, be aware that you will have to pay a restocking charge.**

WARRANTY

Viking warrants its products to be free from defects in the workmanship or materials, under normal use and service, for a period of one year from the date of purchase from any authorized Viking distributor or 18 months from the date manufactured, whichever is greater. If at any time during the warranty period, the product is deemed defective or malfunctions, return the product to Viking Electronics, Inc., 1531 Industrial Street, Hudson, WI., 54016. Customer must contact Viking's Technical Support Department at 715-386-8666 to obtain a Return Authorization (R.A.) number.

This warranty does not cover any damage to the product due to lightning, over voltage, under voltage, accident, misuse, abuse, negligence or any damage caused by use of the product by the purchaser or others.

Viking's sole responsibility shall be to repair or replace (at Viking's option) the material within the terms stated above. VIKING SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND INCLUDING INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING DIRECTLY OR INDIRECTLY FROM ANY BREACH OF ANY WARRANTY EXPRESSED OR IMPLIED, OR FOR ANY OTHER FAILURE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXCLUDED BEYOND THE ONE YEAR DURATION OF THIS WARRANTY. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Product Support Line...715.386.8666

Fax Back Line...715.386.4345

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