

**Perrone, Michael**

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**From:** Mayo, Rachel [rmayo@RC.com]  
**Sent:** Thursday, March 03, 2005 9:32 AM  
**To:** Perrone, Michael  
**Cc:** Mayo, Rachel  
**Subject:** 8 Hoskins Road- Bloomfield

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mike, in reviewing this one VW told me that the actual full model number is 844H90EXYBAM...the wind loading is greater...i believe this clarifies the difference in wind load difference

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Existing  
Antennas



# 844H90EXYBAM

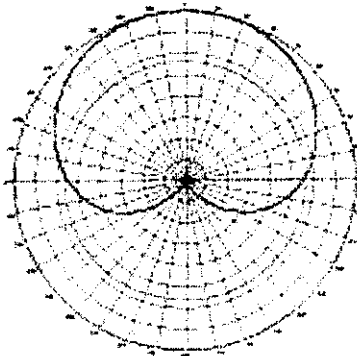
12 dBd  
Log Periodic Antenna

824-896 MHz

dB Director®

- Superior Azimuth pattern roll off, reducing sector to sector interference, improving call capacity.
- Extremely rugged, reliable design yet lightweight with low wind load.

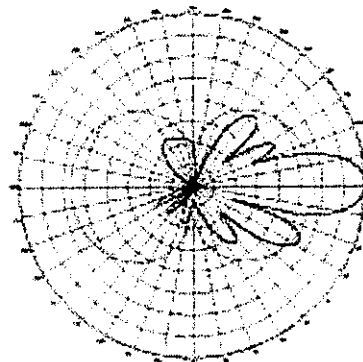
90°



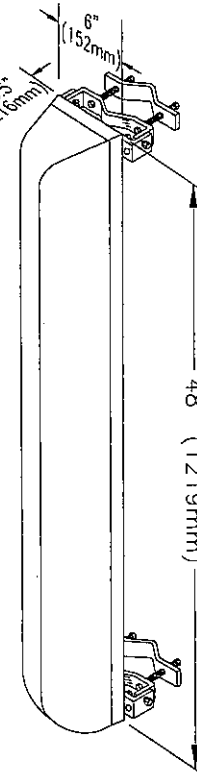
Azimuth  
(Horizontal)

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Elevation  
(Vertical)



Scale: 10° radials, 5 dB per division



## Electrical

Frequency:	824-896 MHz
Polarization:	Vertical
Gain:	12 dBd (14.1 dBi)
Azimuth BW:	90°
Elevation BW:	15.5°
USLS:	> 18 dB
Front-to-Back Ratio:	40 dB
VSWR:	1.22:1
PIM:	-150 dBc (2 tone, 20 watt)
Impedance:	50 Ohms
Max. Input Power:	500 Watts
Lightning Protection:	All metal parts are grounded

## Mechanical

Weight:	10 lbs (4.5 kg)
Dimensions:	48" x 6" x 8.5" (1219 x 152 x 216 mm)
Max. Wind Area:	2.8 ft² (0.26 m²)
Max. Wind Load:	80 lbf (356N) 35.9 kp (at 100 mph)
Max. Wind Speed:	125 mph (201 km/h)
Radiators:	Brass
Reflector:	Pass. Aluminum
Radome:	ABS, UV Resistant
Mounting Hardware:	Galvanized Steel
Connector:	7/16 DIN (Back)
Color:	Gray

## Mounting Options

Standard:	DB380 pipe mount kit included.
Downtilt:	DB5083 downtilt brackets, optional.

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ISO9001 Compliant