



PX3F-52-NXA

1.0 m | 3 ft Standard Parabolic Unshielded, Dual-Polarized Antenna, unpressurized, 5.250–5.850 GHz, N Female, gray antenna, molded gray radome with flash, standard pack—one-piece reflector

General Specifications

| | |
|------------------------|--|
| Antenna Type | PXF - Standard Parabolic Unshielded, Dual-Polarized Antenna, unpressurized |
| Diameter, nominal | 1.0 m 3 ft |
| Packing | Standard pack |
| Radome Color | Gray |
| Radome Material | Molded |
| Reflector Construction | One-piece reflector |
| Antenna Input | N Female |
| Antenna Color | Gray |
| Antenna Type | PXF - Standard Parabolic Unshielded, Dual-Polarized Antenna, unpressurized |
| Diameter, nominal | 1.0 m 3 ft |
| Flash Included | Yes |
| Polarization | Dual |

Electrical Specifications

| | |
|--|----------------------|
| Operating Frequency Band | 5.250 – 5.850 GHz |
| Beamwidth, Horizontal | 3.8 ° |
| Beamwidth, Vertical | 3.8 ° |
| Cross Polarization Discrimination (XPD) | 30 dB |
| Electrical Compliance | ETSI 302 217 Class 1 |
| Front-to-Back Ratio | 42 dB |
| Gain, Low Band | 32.3 dBi |
| Gain, Mid Band | 33.0 dBi |
| Gain, Top Band | 33.3 dBi |
| Operating Frequency Band | 5.250 – 5.850 GHz |
| Radiation Pattern Envelope Reference (RPE) | 4741 |
| Return Loss | 14.0 dB |
| VSWR | 1.50 |

Mechanical Specifications

| | |
|------------|---------------|
| Net Weight | 18 kg 40 lb |
|------------|---------------|

Wind Forces At Wind Velocity Survival Rating

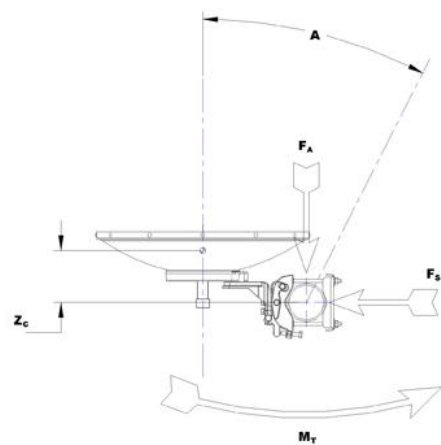
| | |
|----------------------|------------------|
| Axial Force (FA) | 2380 N 535 lbf |
| Side Force (FS) | 893 N 201 lbf |
| Twisting Moment (MT) | 796 N 179 lbf |

PX3F-52-NXA

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Wind Forces At Wind Velocity Survival Rating Image



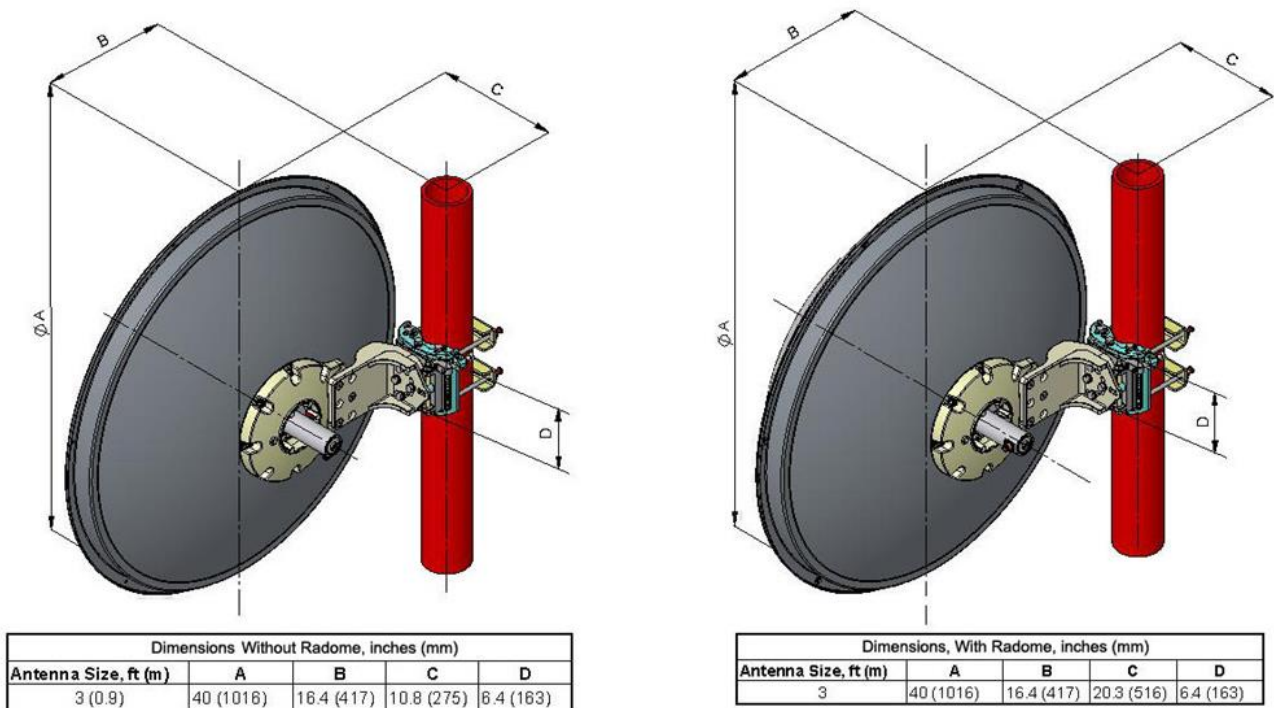
Packed Dimensions

| | |
|------------------------------|---------------------|
| Gross Weight, Packed Antenna | 110.0 kg 242.5 lb |
| Height | 870.0 mm 34.3 in |
| Length | 1150.0 mm 45.3 in |
| Volume | 1.4 m ³ |
| Width | 1150.0 mm 45.3 in |

PX3F-52-NXA



Antenna Dimensions And Mounting Information



Regulatory Compliance/Certifications

| | |
|---------------|--|
| Agency | Classification |
| ISO 9001:2008 | Designed, manufactured and/or distributed under this quality management system |

* Footnotes

| | |
|--|---|
| Axial Force (FA) | Maximum forces exerted on a supporting structure as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting pipe. |
| Cross Polarization Discrimination (XPD) | The difference between the peak of the co-polarized main beam and the maximum cross-polarized signal over an angle twice the 3 dB beamwidth of the co-polarized main beam. |
| Front-to-Back Ratio | Denotes highest radiation relative to the main beam, at 180° ±40°, across the band. Production antennas do not exceed rated values by more than 2 dB unless stated otherwise. |
| Gain, Mid Band | For a given frequency band, gain is primarily a function of antenna size. The gain of Andrew antennas is determined by either gain by comparison or by computer integration of the measured antenna patterns. |
| Operating Frequency Band | Bands correspond with CCIR recommendations or common allocations used throughout the world. Other ranges can be accommodated on special order. |
| Packing | Andrew standard packing is suitable for export. Antennas are shipped as standard in totally recyclable cardboard or wire-bound crates (dependent on product). For your convenience, Andrew offers heavy duty export packing options. |
| Radiation Pattern Envelope Reference (RPE) | Radiation patterns determine an antenna's ability to discriminate against unwanted signals under conditions of radio congestion. Radiation patterns are dependent on antenna series, size, and frequency. |
| Return Loss | The figure that indicates the proportion of radio waves incident upon the antenna that are rejected as a ratio of those that are accepted. |
| Side Force (FS) | Maximum side force exerted on the mounting pipe as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting pipe. |
| Twisting Moment (MT) | Maximum forces exerted on a supporting structure as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting pipe. |
| VSWR | Maximum; is the guaranteed Peak Voltage-Standing-Wave-Ratio within the operating band. |