

3.0, 3.4 & 3.7 Meter Prime Focus, Receive Only Motorized Dual Axis Antennas



VS-300NAV
VS-340NAV
VS-370NAV



Your Trusted Source for Satellite Equipment

- Dual Axis Motorized Az/EI Navigator Mount
- Azimuth Travel 120° / Elevation Travel 5° - 90°
- Mounts on 6 5/8" OD Mounting Mast
- 8-Panel Prime Focus Sectional Reflector

| ELECTRICAL SPECIFICATIONS | | | | | | |
|---|--|---------------|------------------|---------------|------------------|---------------|
| | 3.0 Meter | | 3.4 Meter | | 3.7 Meter | |
| | C-Band | Ku-Band | C-Band | Ku-Band | C-Band | Ku-Band |
| Operating Frequency (GHz) | 3.7 – 4.2 | 10.95 – 12.75 | 3.7 – 4.2 | 10.95 – 12.75 | 3.7 – 4.2 | 10.95 – 12.75 |
| Midband Gain (± .5dB) | 40 dBi | 49 dBi | 40.2 dBi | 49.8 dBi | 40.9 dBi | 50.7 dBi |
| 3dB Beamwidth | 1.7° | 0.6° | 1.6° | 0.53° | 1.45° | 0.5° |
| Antenna Noise Temperature (20° Elevation) | 30K | 29K | 29K | 28K | 25K | 23K |
| Antenna Noise Temperature (30° Elevation) | 28K | 26K | 27K | 25K | 23K | 22K |
| Feed Interface | CPR-229F | WR-75 | CPR-229F | WR-75 | CPR-229F | WR-75 |
| First Sidelobe (typical) | -20 dB | | -20 dB | | -20 dB | |
| Cross-Pol Isolation (Linear) | >30 dB (on axis) | | >30 dB (on axis) | | >30 dB (on axis) | |
| VSWR | 1.3:1 Max. | | 1.3:1 Max. | | 1.3:1 Max. | |
| Insertion Loss (dB) | 0.2 | | 0.2 | | 0.2 | |
| MECHANICAL SPECIFICATIONS | | | | | | |
| Reflector Material | Eight Segment Glass Fiber Reinforced Polyester SMC | | | | | |
| Antenna Optics | Prime Focus, Axisymmetric | | | | | |
| Mast Pipe Size | 6" SCH 80 Pipe (6.62" OD) | | | | | |
| Elevation Travel | 5° to 90° (70° Range of motion) | | | | | |
| Azimuth Travel | 120° | | | | | |
| f/D Ratio | 0.3 | | 0.36 | | 0.37 | |
| ENVIRONMENTAL SPECIFICATIONS | | | | | | |
| Operational Wind Speed | 45 mph (72 km/h) | | | | | |
| Survival Wind Speed | 125 mph (201 km/h) | | | | | |
| Temperature - Operational | -40° to 140°F (-40° to 60° C) | | | | | |
| Temperature - Survival | -50° to 160°F (-46° to 71° C) | | | | | |

RECEIVE-ONLY_300-340-370_NAV_PF-8_REV003
Specifications are subject to change without notice

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