

TECHNICAL SPECIFICATIONS

Drive-Away Antennas

| Models ⇄ Features ↓ | Ka-75V | 980 | 981 | Ka-98 | | | 1200 | 1201 w/pod | 1500 | 1501 | 1800+ |
|---|-----------------------|----------------------------|--------------------------------|------------------------|------------------------|------------------------|-------------------------------------|-----------------------|--|--|--|
| | | | | G | V | H | | | | | |
| Band | Ka | Ku | Ku | Ka | Ka | Ka | Ku / X | Ku | Ku, C-Linear, C-Circular | Ku, C-Linear, C-Circular | Ku, C-Linear, C-Circular |
| Deployed Height (mm) | 1260 | 1320 | 1481 | 1510 | 1510 | 1510 | 1676 | 1650 | 1800 | 1800 | 2480 |
| Stowed Height (mm) | 300 | 463 | 300 | 300 | 300 | 300 | 488 | 340 | 490 | 490 | 670 |
| Total Weight (kg) | 52 | 65 | 54 | 54 | 54 | 54 | 92.5 | 88 | 83.2 | TBD | 155 |
| Max. RF (BUC/LNB) Components weight (lbs) | 11 | 12 | 30 | 11 | 11 | 11 | 22 | 33 | 25 | 25 | 25 |
| Max. RF, BUC Dims (LxWxH/inches) | 3W Custom | 10x7.5x3.5 | 12x7.5 x5.5 w/pod: 10x7.5 x5.5 | 3W Custom | 4W Custom | 1-2W Custom | 19.0x9.5x5.5 | 12.0x15.2x5.8 | 19. x9.5x5.5 | 19. x9.5x5.5 | 19.0x9.75x8 |
| Reflector | ViaSat 75 Ka | Prodelin 1984/1985 | Skyware 98 | Skyware 98 Ka | Skyware 98 Ka | Skyware 98 Ka | Prodelin 1132/1134 | Skyware 125 | Carbon Fibre | Carbon Fibre | Skyware 183 |
| Elevation (degrees) | 0 to 90 | 0 to 65 | 0 to 90 | 0 to 90 | 0 to 90 | 0 to 90 | 0 to 78 | 0 to 90 | 0 to 75 | 0 to 90 | 0 to 80 |
| Polarization (+ degrees) | N/A | 70 | 90 | Auto or 45 (LHCP/RHCP) | Auto or 45 (LHCP/RHCP) | Auto or 45 (LHCP/RHCP) | 90 | 95 | 90 | 95 | 90 |
| Frequency Rx (GHz) | 18.30 - 20.20 | 10.95-12.75 | 10.70 - 12.75 | 19.20 - 20.20 | 18.30 - 20.20 | 19.20 - 20.20 | Ku:10.95 - 12.75 X: 7.25 - 7.75 | 10.70 - 12.75 | Ku:10.70 - 12.75 C-Linear: 3.40 - 4.20 C- Circular: 3.625 - 4.20 | Ku:10.70 - 12.75 C-Linear: 3.625 - 4.20 C- Circular: 3.625 - 4.20 | Ku:10.70 - 12.75 C-Linear: 3.40 - 4.20 C- Circular: 3.625 - 4.20 |
| Frequency Tx (GHz) | 28.10 - 30.0 | 13.75 - 14.50 | 13.75 - 14.50 | 29.50 - 30.00 | 28.10 - 30.00 | 29.50 - 30.00 | Ku:13.75-14.50 X: 7.90 - 8.40 | 13.75 - 14.50 | Ku: 13.75 - 14.50 C-Linear: 5.85 - 6.725 C- Circular: 5.85 - 6.425 | Ku: 13.75 - 14.50 C-Linear: 5.85 - 6.425 C- Circular: 5.85 - 6.425 | Ku: 13.75 - 14.50 C-Linear: 5.85 - 6.725 C- Circular: 5.85 - 6.425 |
| Midband Gain (Rx, Tx) | 41.40, 44.50 | 39.80, 41.30 | 39.70, 41.20 | 43.50, 46.60 | 43.50, 46.60 | 43.50, 46.60 | Ku: 41.50, 43.0 X: 37.40 - 38.10 | 41.80, 43.30 | Ku: 43.70, 45.00 C-Linear: 33.40, 37.20 C- Circular: 33.30, 37.10 | Ku: 43.70, 45.00 C-Linear: 33.40, 37.20 C- Circular: 33.30, 37.10 | Ku: 45.30, 46.80 C-Linear: 35.40, 39.30 C- Circular: 35.40, 39.50 |
| Wind Deployed (km/h) | 160 | 160 | 160 | 160 | 160 | 160 | 112 | 112 | 112 | 112 | 112 |
| Wind Stowed (km/h) | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 160 | 225 | 225 | 225 |
| Survival Temp. (°C) | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 |
| Operational, Wind (km/h) | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 75 | 72 | 72 | 72 |
| Operational, Temp. (°C) | -30 to 55 | -30 to 55 | -30 to 55 | -30 to 55 | -30 to 55 | -30 to 55 | -32 to 55 | -30 to 55 | -30 to 55 | -30 to 55 | -32 to 55 |
| Controller | 7024C | 7000C | 7024C | 7024C | 7024C | 7024C | 7000C | 7024C | 7000C | 7710 | 7000C |
| Standard Cables (75 Ohm) (50 Ohm -Opt.) | CB-7024-10 10m (33ft) | CB-7000-30-MIL 9.1m (30ft) | CB-7024-10 10m (33ft) | CB-7024-10 10m (33ft) | CB-7024-10 10m (33ft) | CB-7024-10 10m (33ft) | CB-7000-30-MIL 9.1m (30ft) | CB-7024-10 10m (33ft) | CB-7000-30-MIL 9.1m (30ft) | CB-7000-30-MIL 9.1m (30ft) | CB-7000-30-MIL-18 9.1m (30ft) |
| Optional Cable Lengths (up to) | 10-60m (33 - 200ft) | 60m (200ft) | 60m (200ft) | 10-60m (33 - 200ft) | 10-60m (33 - 200ft) | 10-60m (33 - 200ft) | 60m (200ft) | 60m (200ft) | 60m (200ft) | 60m (200ft) | 45m (150ft) |
| Warranty | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years |

TECHNICAL SPECIFICATIONS

Fly-Aways

Fixed Motorized

| Models ⇄ Features ↓ | FLY-75V | FLY-981 | FLY-98 | | | FLY-1201 | ACFLY-1200 | FMA-120 Ka | FMA-120 | FMA-180 | FMA-240 |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|----------------------------|-----------------------------------|--------------------------------|-----------------------------------|--|
| | | | G | V | H | | | | | | |
| Band | Ka | Ku | Ka | Ka | Ka | Ku / X | Ku | Ka | Ku | Ku | Ku, C-Linear, C-Circular |
| Deployed Height(mm) | 1325 | 1660 | 1660 | 1580 | 1580 | N/A | 1580 | N/A | N/A | N/A | N/A |
| Stowed Height (mm) | 290 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Total Weight (kg) | 64 | 64 | 64 | 64 | 64 | 128 | 64 | N/A | N/A | N/A | N/A |
| Max. RF (BUC/LNB) Platform weight(lbs) | 11 | 11 | 11 | 11 | 11 | 33 | 11 | 11 | 20 | 22 | 22 |
| Max. RF, BUC Dims (LxWxH/inches) | 3W | 2 - 40W | 3W Custom | 3W Custom | 2W Custom | 12 x 8 x 8 | 10 x 8 x 4.5 | 4W Custom | Any | Any | Any |
| Reflector | Skyware 75 Ka | Skyware Global 98 | Skyware Global 98 | Skyware Global 98 | Skyware Global 98 | Skyware 125 | Carbon Fibre | Glass reinforced polyester SMC | Skyware 123 | Glass reinforced polyester SMC | Glass reinforced polyester SMC |
| Elevation (degrees) | 0 to 90 | 0 to 90 | 0 to 90 | 0 to 90 | 0 to 90 | 5 to 90 | 10 to 90 | 0 to 90 | 10 to 90 | 10 to 90 | 10 to 90 |
| Pol (+- degrees) | Circular Auto-switching | 90 | Circular ±45 | Circular Auto-switching | Circular ±45 Manual | Ku: 95 X:45(LHCP/RHCP) | 95 | Circular, Auto-switching | 90 | 90 | 90 |
| Frequency Rx (GHz) | 18.30 - 20.20 | 10.70-12.75 | 19.20 - 20.20 | 18.30 - 20.20 | 19.20 - 20.20 | Ku: 10.70 - 12.75 X: 7.25 - 7.75 | 10.70 - 12.75 | 19.70 - 20.20 | 10.95 - 12.75 | 10.95 - 12.75 | Ku: 10.70-12.75 C-Linear: 3.625- 4.20 C- Circular: 3.625- 4.20 |
| Frequency Tx (GHz) | 28.10 - 30.0 | 13.75-14.50 | 29.50 - 30.00 | 28.10 - 30.00 | 29.50 - 30.00 | Ku: 13.75 - 14.50 X: 7.90 - 8.40 | 13.75 - 14.50 | 29.50 - 30.00 | 13.75 - 14.50 | 14.0 - 14.50 | Ku: 13.75-14.50 C-Linear: 5.85-6.425 C- Circular: 5.85-6.425 |
| Midband Gain (Rx, Tx) | 41.40, 44.50 | 39.70, 41.20 | 43.50, 46.60 | 43.50, 46.60 | 43.50, 46.60 | Ku: 41.80, 43.30 X: 37.20, 37.80 | 41.50, 43.00 | 46.50, 49.90 | 41.50, 43.00 | 45.00, 46.50 | Ku: 47.40 49.20 C-Linear: 38.20, 42.20 C- Circular: 38.00, 42.00 |
| Wind Deployed (km/h) | 100 w/ballast | 100 w/ballast | 100 w/ballast | 100 w/ballast | 100 w/ballast | 145 | 145 | 200 | 200 | 200 | 200 |
| Wind Stowed (km/h) | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Survival Temp. (°C) | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 | -40 to 65 |
| Operational Wind (km/h) | 50 no ballast 72 w/ ballast | 50 no ballast 72 w/ ballast | 50 no ballast 72 w/ ballast | 50 no ballast 72 w/ ballast | 50 no ballast 72 w/ ballast | 48 no ballast 72 w/ ballast | 50w/ballast | 72 | 72 | 72 | 72 |
| Operational, Temp. (°C) | -30 to 60 | -30 to 60 | -30 to 60 | -30 to 60 | -30 to 60 | -30 to 55 | -30 to 55 | -30 to 60 | -30 to 60 | -30 to 60 | -30 to 60 |
| Controller | 7710 | 7710 | 7710 | 7710 | 7710 | 7024C | 7024C | 7024C | 7024C | 7024C | 7024C |
| Stand. Cables(75 Ohm) (50 Ohm - Opt.) | 7.5m (25ft) | 10m (33ft) | 10m (33ft) | 10m (33ft) | 10m (33ft) | CB-FLY-SAT-30 10m (33ft) | CB-FLY-AC-30 10m (33ft) | CB-FMA-1200-50-F 15m (50ft) | CB-FMA-1200-50-F 15m (50ft) | CB-FMA-1800-50-F 15m (50ft) | 15m (50ft) |
| Opt. Cable Lengths (up to) | N/A | 10-60m (33 - 200ft) | 10-60m (33 - 200ft) | 10-60m (33 - 200ft) | 10-60m (33 - 200ft) | 10-60m (33 - 200ft) | 10-60m (33 - 200ft) | 10-60m (33 - 200ft) | 10-60m (33 - 200ft) | 10-60m (33 - 200ft) | 10-60m (33 - 200ft) |
| Warranty | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 1 year | 1 year | 1 year | 1 year | 1 year |