



15.9 - 16.5 GHz (WR51 / R180)

Type Number	Diameter ft (m)	Gain, dBi			Beamwidth degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)	Fine Adjustment degrees		Survival Wind Speed mph (km/h)	Net Weight lb (kg)
		Bottom	Mid-Band	Top					Azimuth	Elevation		
VP2-159	2 (0.6)	37.6	37.8	38.0	2	32	45	1.20 (20.8)	±15	±50	155 (250)	19.0 (8.5)

17.3 - 17.7 GHz (WR51 / R180)

Type Number	Diameter ft (m)	Gain, dBi			Beamwidth degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)	Fine Adjustment degrees		Survival Wind Speed mph (km/h)	Net Weight lb (kg)
		Bottom	Mid-Band	Top					Azimuth	Elevation		
VHP1-173	1 (0.3)	32.4	32.5	32.6	3.8	30	58	1.20 (20.8)*	±15	±50	155 (250)	21 (9.7)
VHP2-173	2 (0.6)	38.0	38.1	38.2	2.3	32	64	1.20 (20.8)*	±15	±50	155 (250)	33 (15.0)
VP4-173	4 (1.2)	44.1	44.2	44.3	1.0	32	55	1.20 (20.8)*	±15	±20	125 (200)	79.0 (36.0)
VP6-173	6 (1.8)	47.5	47.6	47.7	0.8	32	58	1.20 (20.8)*	±5	±5	125 (200)	160 (72.5)

* 1.15 (23.1) available on request

17.7 - 19.7 GHz (WR42 / R220)

Type Number	Diameter ft (m)	Gain, dBi			Beamwidth degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)	Fine Adjustment degrees		Survival Wind Speed mph (km/h)	Net Weight lb (kg)
		Bottom	Mid-Band	Top					Azimuth	Elevation		
VHP1-180	1 (0.3)	32.6	33.1	33.5	3.6	30	58	1.20 (20.8)*	±15	±50	155 (250)	21 (9.7)
VHP2-180B	2 (0.6)	38.2	38.7	39.1	1.9	32	60	1.20 (20.8)*	±15	±50	155 (250)	33 (15.0)
VHP2.5-180	2.5 (0.8)	40.7	41.2	41.6	1.5	32	66	1.20 (20.8)*	±15	±50	125 (200)	78 (35.5)
VHP4-180A	4 (1.2)	44.1	44.6	45.1	0.9	32	65	1.20 (20.8)*	±15	±20	125 (200)	126 (57.0)
VHP6-180A	6 (1.8)	47.5	48.0	48.5	0.7	32	70	1.20 (20.8)*	±5	±5	125 (200)	347 (157.5)
VHPX1-180	1 (0.3)	32.4	32.9	33.3	3.6	30	58	1.25 (19.1)**	±15	±50	155 (250)	21 (9.7)
VHPX2-180A	2 (0.6)	38.0	38.4	38.8	1.9	32	60	1.25 (19.1)**	±15	±50	155 (250)	33 (15.0)
VHPX2.5-180	2.5 (0.8)	40.5	41.0	41.4	1.5	32	66	1.25 (19.1)**	±15	±50	125 (200)	78 (35.5)
VHPX4-180A	4 (1.2)	44.0	44.5	45.0	0.9	32	65	1.25 (19.1)**	±15	±20	125 (200)	126 (57.0)
VHPX6-180A	6 (1.8)	47.4	47.9	48.4	0.7	32	70	1.25 (19.1)**	±5	±5	125 (200)	347 (157.5)
VP2-180A	2 (0.6)	38.4	38.9	39.3	1.9	32	52	1.20 (20.8)*	±15	±50	155 (250)	19.0 (8.5)
VP4-180A	4 (1.2)	44.3	44.8	45.3	0.9	32	53	1.20 (20.8)*	±15	±20	125 (200)	79.0 (36.0)
VP6-180A	6 (1.8)	47.7	48.2	48.7	0.7	32	57	1.20 (20.8)*	±5	±5	125 (200)	160 (72.5)
VHLP1-180	1 (0.3)	33.5	34.0	34.4	3.0	30	55	1.30 (17.7)	±15	±50	155 (250)	18 (8.3)
VHLP2-180	2 (0.6)	38.2	38.7	39.1	1.8	30	67	1.30 (17.7)	±15	±50	155 (250)	25 (11.3)
VHLP2.5-180	2.5 (0.8)	40.5	41.0	41.4	1.5	30	69	1.30 (17.7)	±15	±50	125 (200)	69 (31.2)
VHLP4-180	4 (1.2)	44.2	44.7	45.1	0.9	30	73	1.30 (17.7)	±15	±20	125 (200)	115 (52.0)

* 1.15 (23.1) available on request * 1.20 (20.8) available on request

17.7 - 19.7 GHz / 21.2 - 23.6 GHz (WR42 / R220) Multiband Antennas

Type Number	Diameter ft (m)	Gain, dBi			Beamwidth degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)	Fine Adjustment degrees		Survival Wind Speed mph (km/h)	Net Weight lb (kg)	
		Bottom	Mid-Band	Top					Azimuth	Elevation			
VHP2-1823	(0.6)	17.7 - 19.7 GHz	37.6	38.1	38.6	1.9	30	67	1.30 (17.7)	±15	±50	155 (250)	33 (15.0)
		21.2 - 23.6 GHz	39.2	39.6	40.0	1.5	30	64	1.30 (17.7)				
VHP4-1823	4 (1.2)	17.7 - 19.7 GHz	43.7	44.2	44.7	0.9	30	68	1.30 (17.7)	±15	±20	125 (200)	126 (57.0)
		21.2 - 23.6 GHz	45.2	45.7	46.2	0.8	30	70	1.30 (17.7)				

