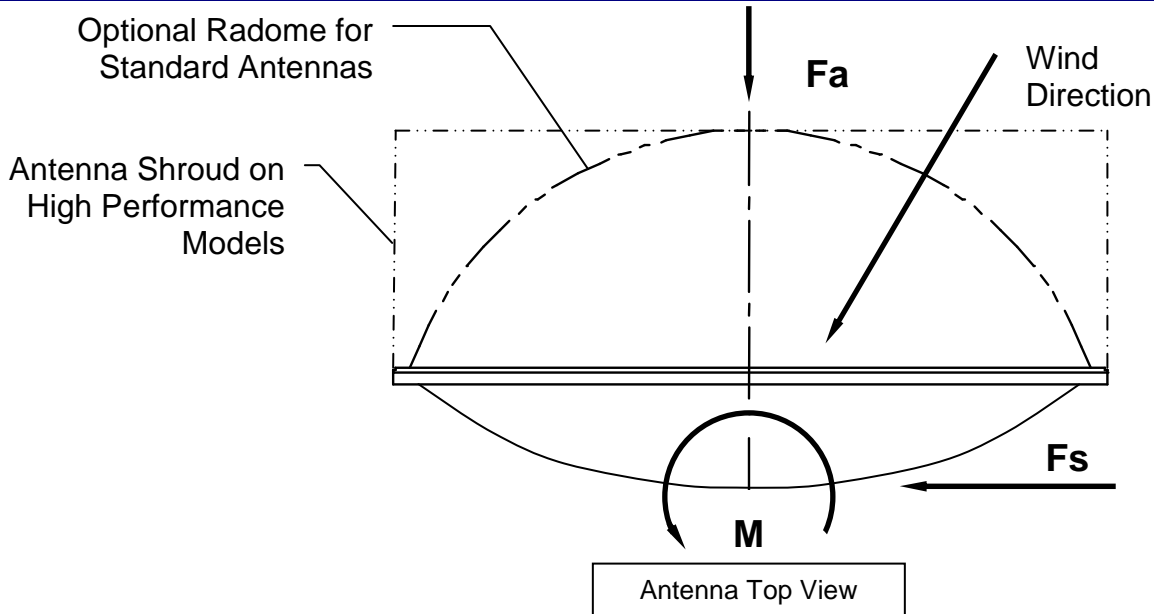


Antenna Wind Loading

Antenna Wind Loading



Standard Antenna without Radome, 125 mph (200km/h)

Size	Wind Angle	Fa lb (N)	Fs lb (N)	M ft-lb (Nm)
		56°	128°	128°
2' (.6m)	Maximum Values	243 (1082)	67 (299)	45 (61)
3' (.9m)	Maximum Values	520 (2314)	144 (640)	140 (190)
4' (1.2m)	Maximum Values	887 (3945)	245 (1091)	312 (423)

Standard Antenna with Radome, 125 mph (200km/h)

Size	Wind Angle	Fa lb (N)	Fs lb (N)	M ft-lb (Nm)
		0°	50°	100°
2' (.6m)	Maximum Values	126 (562)	77 (344)	52 (70)
3' (.9m)	Maximum Values	270 (1202)	165 (736)	162 (220)
4' (1.2m)	Maximum Values	461 (2049)	282 (1255)	361 (490)

High Performance Antenna (with Shroud), 125 mph (200km/h)

Size	Wind Angle	Fa lb (N)	Fs lb (N)	M ft-lb (Nm)
		0°	90°	106°
2' (.6m)	Maximum Values	184 (819)	90 (400)	36 (49)
3' (.9m)	Maximum Values	395 (1760)	193 (858)	112 (152)
4' (1.2m)	Maximum Values	674 (3000)	329 (1460)	251 (340)

Grid Antenna, 125 mph (200km/h)

Size	Wind Angle	Fa lb (N)	Fs lb (N)	M ft-lb (Nm)
		0°	90°	90°
2' (.6m)	Maximum Values	72 (320)	37 (165)	15 (20)