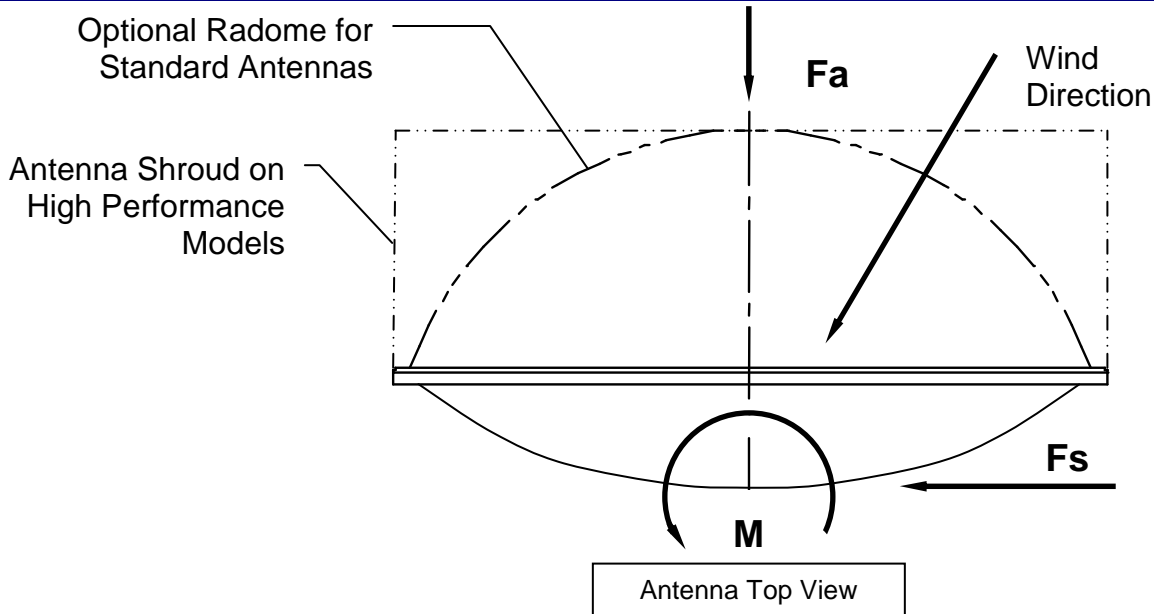


Antenna Wind Loading

Antenna Wind Loading



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

Size	Wind Angle	Fa lb (N)	Fs lb (N)	M ft-lb (Nm)
2' (.6m)	56°	242(1075)	27(119)	-23(-32)
	128°	-64(-283)	67(298)	43(58)
3' (.9m)	56°	531(2361)	59(260)	-76(-103)
	128°	-140(-621)	147(653)	139(188)
4' (1.2m)	56°	928(4128)	102(455)	-175(-238)
	128°	-244(-1085)	257(1142)	321(435)

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

Size	Wind Angle	Fa lb (N)	Fs lb (N)	M ft-lb (Nm)
2' (.6m)	0°	126(560)	0(0)	0(0)
	50°	79(353)	77(343)	-12(-17)
	100°	7(30)	58(256)	52(70)
3' (.9m)	0°	269(1197)	0(0)	0(0)
	50°	170(755)	165(733)	-39(-53)
	100°	14(64)	123(548)	161(219)
4' (1.2m)	0°	461(2049)	0(0)	0(0)
	50°	291(1293)	282(1255)	-88(-119)
	100°	25(110)	211(939)	361(490)



Your Partner in Antenna Technology

High Performance Antenna (with Shroud) below 10 GHz, 125 mph (200km/h)

Size	Wind Angle	Fa lb (N)	Fs lb (N)	M ft-lb (Nm)
2' (.6m)	0°	184(817)	0(0)	0(0)
	90°	-17(-75)	89(398)	31(41)
	106°	-67(-296)	80(358)	36(49)
3' (.9m)	0°	394(1754)	0(0)	0(0)
	90°	-36(-162)	192(854)	96(130)
	106°	-143(-635)	173(768)	112(152)
4' (1.2m)	0°	673(2994)	0(0)	0(0)
	90°	-62(-276)	328(1458)	214(290)
	106°	-244(-1085)	295(1312)	251(340)

High Performance Antenna above 10 GHz, 125 mph (200km/h)

Size	Wind Angle	Fa lb (N)	Fs lb (N)	M ft-lb (Nm)
1' (.3m)	0°	50(223)	0(0)	0(0)
	64°	55(244)	20(89)	-1(-2)
	118°	-15(-65)	19(82)	8(10)
2' (.6m)	0°	176(784)	0(0)	0(0)
	86°	2(8)	79(349)	29(39)
	106°	-69(-305)	70(313)	37(51)

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)