

Zone "C" Wind Load Tables for New Florida State Code based on ASCE 7-98

Divide Sq. Ft. from chart by # of A/C Unit used per Stand to find area(size) of each UNIT allowed on Stand
(area is the height x the width of A/C unit)

Table Date: 4/1/2003 **Zone "C" Wind Load Table @ 146 MPH for Dade County**

Stand length & # of Leg Assemblies Maximum Spacing	Leg Height & size	0-20ft	21-40	41-60 ft	61-80 ft	81-100 ft
		Installation	installi	installation	installation	installation
up to height shown		3-7 foot	3-7 foot	3-7 foot	3-7 foot	3-7 foot
3-7 Stand 2 Leg Assemblies max. leg spacing 5'	a) 18" x 1 3/4 x .065	11	10.3	8.9	8.1	7.7
	b) 24" x 1 3/4 x .109	15	14	12	10.9	10.5
	c) 24" x 2" x .110	19.5	17.9	15.2	14.3	14
7-12 ft Stand with 3 Leg Assemblies max spacing 4.5 ft		7-12 foot	7-12 foot	7-12 foot	7-12 foot	7-12 foot
7-12 ft Stand with 3 Leg Assemblies max spacing 4.5 ft	a) 18" x 1 3/4 x .065	17.5	15	13	12	11
	b) 24" x 1 3/4 x .109	22.6	20.5	18	16.2	15.5
	c) 24" x 2" x .110	30	28	24.4	22	20.9
10-15 ft Stand with 4 Leg Assemblies max spacing 4.5 ft		10-15 ft	10-15 ft	10-15 ft	10-15 ft	10-15 ft
10-15 ft Stand with 4 Leg Assemblies max spacing 4.5 ft	a) 18" x 1 3/4 x .065	22	21	17.5	16	15.5
	b) 24" x 1 3/4 x .109	30	28	24	21.5	21
	c) 24" x 2" x .110	39.5	36.4	31.5	28.4	27.2

Recommended calculated as follows...Smallest side(Length or Width) x height is used to figure sq ft. for above chart.

Weight not exceed 300 lbs. for .065 wall ...2] Larger Leg Diameters & thicker leg walls: B) & C] (Leg hgt & size)

Increase allowable wind loads & weight allowed on stands. Call for design help.

Divide Sq. Ft. from chart by # of A/C Unit used per Stand to find area(size) of each UNIT allowed on Stand

Table Date: 4/1/2003 **Zone "C" Wind Load Table @ 140 MPH for State except dade cty**

Stand length & # of Leg Assemblies Maximum Spacing	Leg Height & size	0-20ft	21-40	41-60 ft	61-80 ft	81-100 ft
		Installation	installi	installation	installation	installation
up to height shown		3-7 foot	3-7 foot	3-7 foot	3-7 foot	3-7 foot
3-7 Stand 2 Leg Assemblies max. leg spacing 5'	a) 18" x 1 3/4 x .065	12	11	9.5	9	8.3
	b) 24" x 1 3/4 x .109	16.2	15	13	12	11.3
	c) 24" x 2" x .110	21.5	20	16.5	15	14.2
7-12 ft Stand with 3 Leg Assemblies max spacing 4.5 ft		7-12 foot	7-12 foot	7-12 foot	7-12 foot	7-12 foot
7-12 ft Stand with 3 Leg Assemblies max spacing 4.5 ft	a) 18" x 1 3/4 x .065	17.5	15.5	14	13.2	12.5
	b) 24" x 1 3/4 x .109	23	20.2	18.5	17.3	16.5
	c) 24" x 2" x .110	31	28.4	24.8	22.5	21.4
10-15 ft Stand with 4 Leg Assemblies max spacing 4.5 ft		10-15 ft	10-15 ft	10-15 ft	10-15 ft	10-15 ft
10-15 ft Stand with 4 Leg Assemblies max spacing 4.5 ft	a) 18" x 1 3/4 x .065	23	22	19.5	17.5	16.5
	b) 24" x 1 3/4 x .109	32	29.5	26.5	24	22.5
	c) 24" x 2" x .110	41.1	37.7	33	30	28.6

Recommended calculated as follows...Smallest side(Length or Width) x height is used to figure sq ft. for above chart.

Weight not exceed 300 lbs. for .065 wall ...2] Larger Leg Diameters & thicker leg walls: B) & C] (Leg hgt & size)

Increase allowable wind loads & weight allowed on stands. Call for design help.

SCHEMATIC DRAWING OF VARIOUS ATTACHMENTS TO ROOF

