

GENPAD HURRICANE PADS FOR GENERAC GENERATORS SOUTH FLORIDA (MIAMI DADE, BROWARD, PALM BEACH COUNTIES)

5523 WEST CYPRESS STREET
SUITE 200
TAMPA, FLORIDA 33607

EB: 8426

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FL # 33860

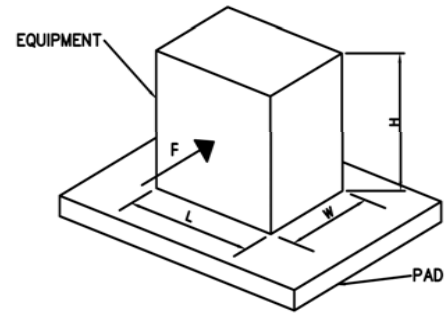
July 11, 2014

CLIENT: DIVERSITECH
PROJECT: WIND ANALYSIS HURRICANE PADS MAX. WIND SPEED 175 MPH
CODES: FLORIDA BUILDING CODE 2010
ASCE 7-10
RISK CATEGORY = II
MIAMI DADE COUNTY BASIC WIND SPEED = 175 MPH
BROWARD COUNTY BASIC WIND SPEED = 170 MPH
USE A BASIC WIND SPEED OF 175 MPH

Kz= 0.85 Exposure C ; Table 28.3-1
Kd= 0.85 Table 26.6-1
Kzt= 1.00 Figure 26.8-1

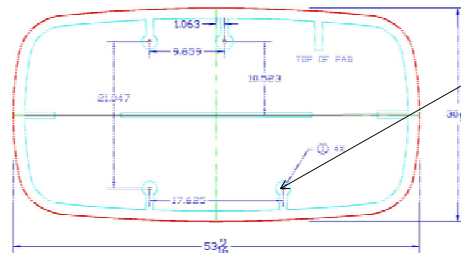
Wind Speed V= 175.00
qz= 0.00256*Kz*Kzt*Kd*V²I 56.57 PSF (4) 3/8" DIA 1 1/4" LONG ZINC COATED SET IN 4" SOLID CONCRETE
F= qz*G*Cl*Af (Eq. 6-28)
G= 0.85
Cl= (Figure 6-21)ASCE 1.30
Wind Pressure 62.51 PSF
F= Wind Pressure *Af See Tables
Af = L x H

GENPAD HURRICANE PAD 4" THICK
MODEL # WEIGHT L W
WIND SPEED Pressure
175.00 62.51 PSF FG3154-4G 240 54 31



- NOTES:**
- LOAD COMBINATION ASD PER 2.4.1 ASCE 7-10
0.6 x DEAD + 0.6 x WIND (ASCE 7-10; 2.4.1)
 - DESIGN IS BASED ON SECTION 29.5 OF ASCE 7-10 "OTHER STRUCTURES"
UNITS ARE TO BE LOCATED ON THE GROUND.
 - ALL OTHER UNITS NOT SHOWN MUST BE DESIGNED ON A
CASE BY CASE BASIS.
 - LARGER HURRICANE PAD USED IN SOME COMBINATIONS TO SATISFY
DESIGN CHECK.
 - WIND PRESSURE ON UNITS IN ACCORDANCE WITH ASCE 7-10 FIGURE 29.5-1
 - ANCHOR TEST DATA BASED ON ARCHITECTURAL TESTING REPORT
NUMBER A7207.01-106-31 DATED 03/04/2011.

MANUFACTURER	MODEL	MAXIMUM UNIT DIMENSIONS			MINIMUM WEIGHT POUNDS	PAD MODEL #	PAD WEIGHT	.6(UNIT + PAD) WEIGHT	.6xDEAD ASD DEAD LOAD MOMENT FT-#	.6xWIND ASD DESIGN WIND MOMENT #	SF OVERTURN	DESIGN CHECK	REMARKS	Allowable Pressure qz PSF	Allowable Wind Speed V MPH	
		W	L	H												
GENERAC	8 kw	25.000	48.000	29.000	360	FG3154-4G	240	360	465.00	604.27	438.10	1.06	OK	OK FOR 175 MPH	66.3	180
GENERAC	10 kw	25.000	48.000	29.000	407	FG3154-4G	240	388	501.43	604.27	438.10	1.14	OK	OK FOR 175 MPH	71.5	187
GENERAC	14 kw	25.000	48.000	29.000	435	FG3154-4G	240	405	523.13	604.27	438.10	1.19	OK	OK FOR 175 MPH	74.6	191
GENERAC	16 kw	25.000	48.000	29.000	448	FG3154-4G	240	413	533.20	604.27	438.10	1.22	OK	OK FOR 175 MPH	76.1	193
GENERAC	16 kw	25.000	48.000	29.000	513	FG3154-4G	240	452	583.58	604.27	438.10	1.33	OK	OK FOR 175 MPH	83.3	202
GENERAC	17 kw	25.000	48.000	29.000	471	FG3154-4G	240	427	551.03	604.27	438.10	1.26	OK	OK FOR 175 MPH	78.6	196
GENERAC	17 kw	25.000	48.000	29.000	431	FG3154-4G	240	403	520.03	604.27	438.10	1.19	OK	OK FOR 175 MPH	74.2	191
GENERAC	20 kw	25.000	48.000	29.000	516	FG3154-4G	240	454	585.90	604.27	438.10	1.34	OK	OK FOR 175 MPH	83.6	202
GENERAC	22 kw	25.000	48.000	29.000	526	FG3154-4G	240	460	593.65	604.27	438.10	1.36	OK	OK FOR 175 MPH	84.7	204



FG3154-4G PAD