

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0125
OSHPD Special Seismic Certification Preapproval (OSP)	
Type: New X Renewal	
Manufacturer Information	
Manufacturer: Carrier Corporation	
Manufacturer's Technical Representative: Scott Mautz	
Mailing Address: 13995 Pasteur Boulevard, Palm Beach Gardens, FL 3	3418
Telephone: (561) 365-2000 Email: Scott.Mautz	@Carrier.com
FORCODE	04
Product Information	MA
Product Name: Air Conditioning Units	
Product Type: Air Conditioning Units - Split	
Product Model Number: MBFQ/MARBQ/MBRBQ/MAP/MMD/MMK/MM	U/RBM/MBDQ/MAHBQ/MBCQ
General Description: Indoor/Outdoor Split Air Conditioning Units.	land
Mounting Description: Floor, wall, floor/wall, and ceiling - all rigid mounted up to 34" PATE: 10/13/202	unted, rigid cur <mark>b mo</mark> unted up to 40" and isolated curb
	test units and/or modifications required to address incorporated into the production units.
Applicant Information	
Applicant Information	CODY
Applicant Company Name: Structural Integrity Associates, Inc.	3
Contact Person: Katie Braman	
Mailing Address: 233 SW Wilson Suite 101, Bend, OR 92201	





Telephone: (844) 878-0200

Title: Program Manager

Email: kbraman@structint.com



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)								
Company Name: STRUCTURAL INTEGRITY ASSOCIATES, INC.								
Name: Andrew Coughlin California License Number: S6082								
Mailing Address: 5215 Hellyer Ave, Suite 101, San Jose, CA 95138-1025								
Telephone: (415) 635-8461 Email: acoughlin@structint.com								
Certification Method								
☐ GR-63-Core								
Other (Please Specify):								
-OR CODE CO								
Testing Laboratory								
Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)								
Contact Person: Jeremy Lange								
Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513								
Telephone: (972) 247-9657 Email: jeremy@etldallas.com								
Company Name: UNIVERSITY OF CALIFORNIA, BERKELEY (PEER)								
Contact Person: Clement B. Barthes								
Mailing Address: 1301 South 46th Street, Bldg 420, Richmond CA 94804								
Telephone: (510) 642-3437 Email: peer_center@berkeley.edu								
PVABUILDINGCO								







OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

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Design Basis of Equipment or Components (F_p/W_p) = 1.5 (SDS = 2.00); 1.125 (SDS = 2.50)

Sps (Design spectral response acceleration at short period, g) = 2.00 @ z/h = 1; 2.50 @ z/h = 0

ap (Amplification factor) = 2.5

 R_p (Response modification factor) = 6.0

 Ω_0 (System overstrength factor) = 2.0

 I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 1 and 0

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

OSHPD Approval (For Office Use Only) - Approval Expires on 10/14/2027

Date: 10/13/2021 OSP-0125

Name: Timothy Piland Title: Senior Structural Engineer

Special Seismic Certification Valid Up to: SDS (g) = See Above z/h = See Above

Condition of Approval (if applicable):





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Manufacturer: **Carrier Corporation TABLE 1** Model Line: **Carrier Outdoor Units**

Certified Product Construction Summary:

Carbon steel cabinet construction

Certified Options Summary:

Outdoor units listed in this table have indoor companion units listed in Tables 2 and 3.

Mounting Configuration:

Mounting Configuration:

Rigid base mounted. Roof top units base mounted on up to 40" tall rigid curb or up to 32" tall iso curb. Note: Installed mounting configuration must be of simi<mark>lar config</mark>uration and equivalent strength and stiffness to those tested.

 $S_{DS} = 2.0 g z/h=1.0$ **Seismic Certification Limits: Building Code: CBC 2019** $I_P = 1.5$ $S_{DS} = 2.5 g z/h = 0.0$

Madallina	100	Dir	nensions	(in)25	Weight	Mada.	
Model Line	Model	Depth	Width	Height	(lb)	Notes	UUT
A11A	24AHA-4 <mark>18-A0</mark> 03	R 14.6 in	36.9/	31.1 ₂ r	146	1.5 ton-cooling only	1
AHA (Cooling Only)	24AHA-4 <mark>#</mark> #-A00#	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				0	Interp.
(Cooling Only)	24AHA-4 <mark>60-A0</mark> 06	17.1	44.5	37,1	245	5 ton-cooling only	Interp.
11114	25HHA-41 <mark>8-A00</mark> 3	14.6	36.9	25.1	150	1.5 ton-heating/cooling	Interp.
HHA (Heat Pump)	25HHA-4##-A00#		+		/ 5	\/	Interp.
(neat Fullip)	25HHA-460-A0 <mark>06</mark>	17.1	44.5	43.1	258	5 ton-heating/cooling	2
DAV	RAV-SP180AT2	11.4	30.7	21.7	98	1.5 ton-heating/cooling	9
RAV (Heat Pump)	RAV-SP##0AT2	N/A		C	· · · · ·	2 ton-heating/cooling	Interp.
(Heat Fullip)	RAV-SP420AT2	12.6	35.4	52.8	211.5	3.5 ton-heating/cooling	10
MAG	38MAQB09R-1	13.11	32.09	21.81	82.9	0.75 ton-heating/cooling	17
MAQ (Heat Pump)	38MAQB##R-#						Interp.
(Heat Fully)	38MAQB36R-3	16.14	37.24	31.89	147.3	3 ton-heating/cooling	18
	38MARBQ09AA3	13	31.7	24.2	74		Interp.
Ductless	38MARBQ##AA#	•••		•••			Interp.
Outdoor Single Zone	38MARBQ12AA1	13	31.7	21.8	65		59
Residential	38MARBQ##AA#	•••					Interp.
	38MARBQ36AA3	16.1	37.2	31.9	142		60
MBR	38MBRQ36A-3	17.91	40.63	31.89	154	3 ton-heating/cooling	19
(Heat Pump)	38MBRQ48A-3	17.64	40.63	52.48	220	4 ton-heating/cooling	20
MBRQ	38MBRBQ36AA3	16.1	37.2	31.9	155		61
Outdoor Single Zone	38MBRBQ48AA3	15.6	37.2	52.5	216		62
MGR	38MGRQ18B-3	14.82	37.31	27.64	105.8	1.5 ton-heating/cooling	21
мGк (Heat Pump)	38MGRQ###-3						Interp.
(Heat Fully)	38MGRQ48E-3	17.63	41.15	52.48	223.8	4 ton-heating/cooling	22

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 $I_P = 1.5$

Manufacturer: Carrier Corporation

Model Line: Carrier Outdoor Units

TABLE 1

Certified Product Construction Summary:

Carbon steel cabinet construction

Certified Options Summary:

Outdoor units listed in this table have indoor companion units listed in Tables 2 and 3.

Mounting Configuration:

Rigid base mounted. Roof top units base mounted on up to 40" tall rigid curb or up to 32" tall iso curb.

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2019 Seismic Certification Limits: $S_{DS} = 2.0 \text{ g} \quad \text{z/h=1.0}$ $S_{DS} = 2.5 \text{ g} \quad \text{z/h=0.0}$

	1 12	Dimensions (in)		Weight	2,3 9 2/11-0.0		
Model Line	Model	Depth	Width	Height	(lb)	Notes	UUT
MMYH	MMY-MAP0726HT9P	_R 30.7in	139 _V	72.9	621	6 ton-heating/cooling	31
Heat Pump	MMY-MAP###6HT9P	(7,00X)XYX XXXX	7.0.00			O	Interp.
208/230V-3-60	MMY-MAP1 <mark>686HT</mark> 9P	30.7	10633	72,9	838	14 ton-heating/cooling	Interp.
MAN/II. Camalaa	MMY-AP19 <mark>26HT</mark> 9P	30.7	95.2	72.9	1368	2X 0966HT9P	Interp.
MMYH - Combo Heat Pump	MMY-AP2166HT9P	30.7	95.2	72.9	1368	1206HT9P + 0966HT9P	Interp.
208/230V-3-60	MMY-AP2406HT9P	30.7	110.6	72.9	1522	1446HT9P + 0966HT9P	Interp.
200/2307-3-00	MMY-AP2646HT9P	30.7	110.6	72.9	1522	1446HT9P + 1206HT9P	Interp.
	MMY-AP2886HT9P	30.7	126	72.9 C	1676	2X 1446HT9P	Interp.
	MMY-AP3126HT9P	30.7	126-	72.9	1676	1686HT9P + 1446HT9P	Interp.
MAN/II. Camalaa	MMY-AP3366HT9P	30.7	126	72.9	1676	2X 1686HT9P	Interp.
MMYH - Combo Heat Pump	MMY-AP3606HT9P	30.7	142.8	72.9	2052	3X 1206HT9	Interp.
208/230V-3-60	MMY-AP3846HT9P	30.7	158.2	72.9	2206	1446HT9P + 2X 1206HT9P	Interp.
200/2307-3-00	MMY-AP4086HT9P	30.7	173.6	72.9	2360	2X 1446HT9P + 1206HT9P	Interp.
	MMY-AP4326HT9P	30.7	189	72.9	2360	1686HT9P+ 1446HT9P + 1206H	Interp.
	MMY-AP4566HT9P	30.7	189	72.9	2360	2X 16866HT9P + 1206HT9P	Interp.
MMYH - Combo	MMY-AP192S6HT9P	30.7	89.6	72.9	1258	1206HT9P + 0726HT9P	Interp.
Heat Pump	MMY-AP240S6HT9P	30.7	95.2	72.9	1368	2X 1206HT9P	Interp.
208/230V-3-60	MMY-AP288S6HT9P	30.7	110.6	72.9	1522	1686HT9P +1206HT9P	Interp.
Space Saving	MMY-AP408S6HT9P	30.7	158.2	72.9	2206	16866HT9P + 2X 1206HT9P	Interp.
MMYH	MMY-MAP0726HT6P	30.7	39	72.9	574	6 ton-heating/cooling	Interp.
Heat Pump	MMY-MAP###6HT6P					8 ton-heating/cooling	Interp.
480V-3-60	MMY-MAP1686HT6P	30.7	63	72.9	838	14 ton-heating/cooling	Interp.





Manufacturer: Carrier Corporation

Model Line: Carrier Outdoor Units

TABLE 1

Certified Product Construction Summary:

Carbon steel cabinet construction

Certified Options Summary:

Outdoor units listed in this table have indoor companion units listed in Tables 2 and 3.

Mounting Configuration:

Rigid base mounted. Roof top units base mounted on up to 40" tall rigid curb or up to 32" tall iso curb.

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2019

Seismic Certification Limits:

 $S_{DS} = 2.0 g$ z/h=1.0 $S_{DS} = 2.5 g$ z/h=0.0

	/4,/				S DS =	2.5 g 2/11-	-0.0	
Model Line	Model	Dimensions (in)		(in)25	Weight	m	Notes	UUT
Model Line	Model	Depth	Width	Height	(lb)		Notes	001
	MMY-AP1 <mark>926H</mark> T6P	_R 30.7in	95.2/	72.9	1368	2X 0966HT6	SP	Interp.
	MMY-AP2 <mark>166HT</mark> 6P	30.7	95.2	72.9	1368	1206HT6P -	+ 0966HT6P	Interp.
	MMY-AP24 <mark>06HT</mark> 6P	30.7	110.6	72,9	1522	1446HT6P -	+ 0966HT6P	Interp.
MMYH - Combo	MMY-AP26 <mark>46HT</mark> 6P	30.7	110.6	72.9	1522	1446HT6P -	+ 1206HT6P	Interp.
Heat Pump	MMY-AP2886HT6P	30.7	126	72.9	1676	<mark>2X</mark> 1446HT6	SP	Interp.
480V-3-60	MMY-AP3126HT6P	30.7	126	72.9	1676	1686HT6P -	+ 1446HT6P	Interp.
	MMY-AP3366HT6P	30.7	126	72.9	1676	2X 1686HT6	SP	Interp.
	MMY-AP3606HT6P	30.7	142.8	72.9 C	2052	3X 1206HT6	5	Interp.
	MMY-AP3846HT6P	30.7	158.2	72.9	2206	1446HT6P -	+ 2X 1206HT6P	Interp.
MMYH - Combo	MMY-AP4086HT6P	30.7	173.6	72.9	2360	2X 1446HT6	SP + 1206HT6P	Interp.
Heat Pump	MMY-AP4326HT6P	30.7	189	72.9	2360	1686HT6P+	1446HT6P + 1206H	Interp.
480V-3-60	MMY-AP4566HT6P	30.7	189	72.9	2360	2X 16866HT	T6P + 1206HT6P	Interp.
MMYH - Combo	MMY-AP192S6HT6P	30.7	89.6	72.9	1258	1206HT6P -	+ 0726HT6P	Interp.
Heat Pump	MMY-AP240S6HT6P	30.7	95.2	72.9	1368	2X 1206HT6	SP	Interp.
480V-3-60	MMY-AP288S6HT6P	30.7	110.6	72.9	1522	1686HT6P	+1206HT6P	Interp.
Space Saving	MMY-AP408S6HT6P	30.7	158.2	72.9	2206	16866HT6P	+ 2X 1206HT6P	Interp.
MMYF/ MMYF Combo Heat Recovery	MMY-MAP0726FT2P	30.7	39	72.9	600	6 ton-heati	ng/cooling	Interp.
208/230V-1-60	MMY-AP1446FT2PUL	30.7	78	72.9	1200	2X 0726FT2	Р	Interp.
MMYF	MMY-MAP0726FT9P	30.7	39	72.9	600	6 ton-heati	ng/cooling	Interp.
Heat Recovery	MMY-MAP###6FT9P							Interp.
208/230V-3-60	MMY-MAP1686FT9P	30.7	63	72.9	882	14 ton-heat	ting/cooling	Interp.
MMYF - Combo	MMY-AP1926FT9P	30.7	95.2	72.9	1442	2X 0966FT9	P	Interp.
Heat Recovery	MMY-AP2166FT9P	30.7	95.2	72.9	1442	1206FT9P+	0966FT9P	Interp.
208/230V-3-60	MMY-AP2406FT9P	30.7	110.6	72.9	1603	1446FT9P +	0966FT9P	Interp.

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Manufacturer: Carrier Corporation

Model Line: Carrier Outdoor Units

TABLE 1

Certified Product Construction Summary:

Carbon steel cabinet construction

Certified Options Summary:

Outdoor units listed in this table have indoor companion units listed in Tables 2 and 3.

Mounting Configuration:

Rigid base mounted. Roof top units base mounted on up to 40" tall rigid curb or up to 32" tall iso curb.

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2019

Seismic Certification Limits:

 $S_{DS} = 2.0 g$ z/h=1.0 $S_{DS} = 2.5 g$ z/h=0.0

	3 _{DS} - 2.3 g 2/11-0.0						
Model Line	Model	Dimensions (in)		Weight	Notes	UUT	
Model Line	Model	Depth	Width	Height	(lb)	Notes	001
	MMY-AP2 <mark>646FT</mark> 9P	_R 30.7in	110.6	72.9	1603	1446FT9P + 1206FT9P	Interp.
	MMY-AP2 <mark>886FT</mark> 9P	30.7	126	72.9	1764	2X 1446FT9P	Interp.
	MMY-AP3 <mark>126FT</mark> 9P	30.7	1262	72,9	1764	1686FT9P + 1446FT9P	Interp.
MMYF - Combo	MMY-AP33 <mark>66FT9</mark> P	30.7	142.8	72.9	2163	2X 1206FT6P + 0966FT6P	Interp.
Heat Recovery	MMY-AP3606FT9P	30.7	142.8	72.9	2163	3X 1206FT6P	Interp.
208/230V-3-60	MMY-AP3846FT9P	30.7	158.2	72.9	2324	1446FT6P + 2X 1206FT6P	Interp.
	MMY-AP4086FT9P	30.7	173.6	72.9	2485	2X 1446FT6P + 1206FT6P	Interp.
	MMY-AP4326FT9P	30.7	189	72.9	2646	1686FT6P+ 1446FT6P + 1206FT	Interp.
	MMY-AP4566FT9P	30.7	189	72.9	2646	2X 16866FT6P + 1206FT6P	Interp.
MMYF - Combo	MMY-AP192S6FT9P	30.7	89.6	72.9	1321	12066FT9P + 0726FT9P	Interp.
Heat Recovery	MMY-AP240S6FT9P	30.7	95.2	72.9	1442	2X 1206FT9P	Interp.
208/230V-3-60	MMY-AP288S6FT9P	30.7	110.6	72.9	1603	1686FT9P +1206FT9P	Interp.
Space Saving	MMY-AP336S6FT9P	30.7	126	72.9	1764	2X 16866FT9P	Interp.
MMYF	MMY-MAP0726FT6P	30.7	39	72.9	615	6 ton-heating/cooling	Interp.
Heat Recovery	MMY-MAP###6FT6P						Interp.
460V-3-60	MMY-MAP1686FT6P	30.7	63	72.9	875	14 ton-heating/cooling	32
	MMY-AP1926FT6P	30.7	95.2	72.9	1472	2X 0966FT6P	Interp.
	MMY-AP2166FT6P	30.7	95.2	72.9	1472	1206FT6P+ 0966FT6P	Interp.
MANUE Constru	MMY-AP2406FT6P	30.7	110.6	72.9	1611	1446FT6P + 0966FT6P	Interp.
MMYF - Combo	MMY-AP2646FT6P	30.7	110.6	72.9	1611	1446FT6P + 1206FT6P	Interp.
Heat Recovery 480V-3-60	MMY-AP2886FT6P	30.7	126	72.9	1750	2X 1446FT6P	Interp.
1 00¥-3-00	MMY-AP3126FT6P	30.7	126	72.9	1750	1686FT6P + 1446FT6P	Interp.
	MMY-AP3366FT6P	30.7	142.8	72.9	2208	2X 1206FT6P + 0966FT6P	Interp.
	MMY-AP3606FT6P	30.7	142.8	72.9	2208	3X 1206FT6P	Interp.





Manufacturer: Carrier Corporation

Model Line: Carrier Outdoor Units

TABLE 1

Certified Product Construction Summary:

Carbon steel cabinet construction

Certified Options Summary:

Outdoor units listed in this table have indoor companion units listed in Tables 2 and 3.

Mounting Configuration:

Rigid base mounted. Roof top units base mounted on up to 40" tall rigid curb or up to 32" tall iso curb.

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2019

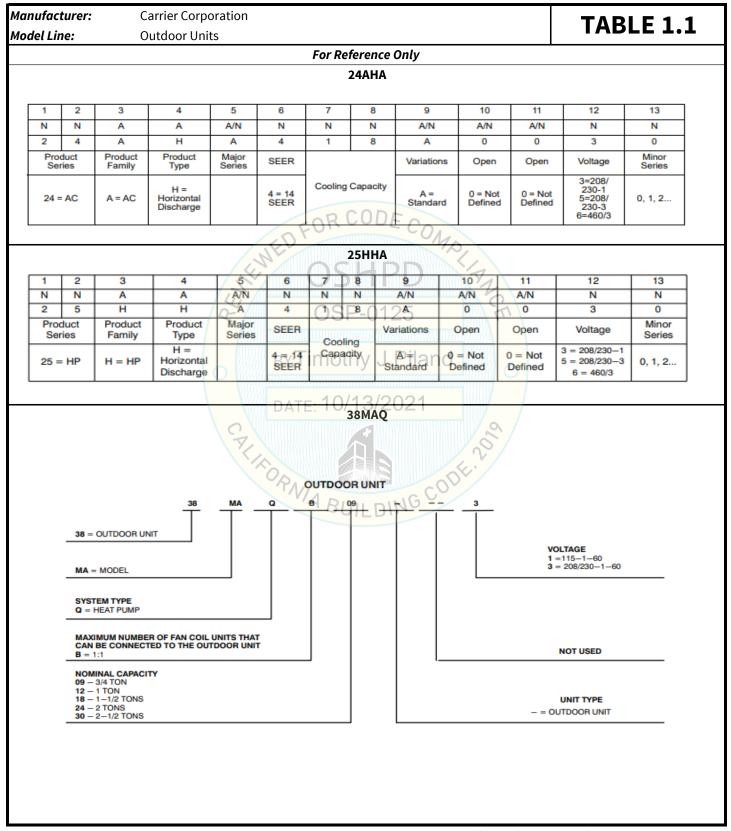
Seismic Certification Limits:

 $S_{DS} = 2.0 g$ z/h=1.0 $S_{DS} = 2.5 g$ z/h=0.0

	/ 4, / 1	$S_{DS} = 2.5 g z/h = 0.0$					
Model Line	Model	Dimensions (in)		Weight	Notes	UUT	
Model Line	Model	Depth	Width	Height	(lb)	Mores	UU1
MANAVE Complete	MMY-AP3 <mark>846FT</mark> 6P	_B 30.7	158.2	72.9	2347	1446FT6P + 2X 1206FT6P	Interp.
MMYF - Combo	MMY-AP4 <mark>0</mark> 86FT6P	30.7	173.6	72.9	2486	2X 1446FT6P + 1206FT6P	Interp.
Heat Recovery 480V-3-60	MMY-AP4 <mark>326FT</mark> 6P	30.7	1893/	72,9	2625	1686FT6P+ 1446FT6P + 1206FT	Interp.
4007-3-00	MMY-AP45 <mark>66FT6</mark> P	30.7	189	72.9	2625	2X 16866FT6P + 1206FT6P	Interp.
MMYF - Combo	MMY-AP192S6FT6P	30.7	89.6	72.9	1351	12066FT6P + 0726FT6P	Interp.
Heat Recovery	MMY-AP240S6FT6P	30.7	95.2	72.9	1472	2X 1206FT6P	Interp.
480V-3-60	MMY-AP288S6FT6P	30.7	110.6	72.9	1611	1686FT6P +1206FT6P	Interp.
Space Saving	MMY-AP336S6FT6P	30.7	126	72.9	1750	2X 16866HT6P	Interp.
\/DE	MCY-MAP0367HS-UL	17.4	39.8	61.0	311	Identical to MCY-MAP0607HS-UL	Interp.
VRF SMMS-e Heat Pump	MCY-MAP0487HS-UL	17.4	39.8	61.0	311	Identical to MCY-MAP0607HS-UL	Interp.
SMMS-e neat Pullip	MCY-MAP0607HS-UL	17.4	39.8	61.0	311		63
40QQ Rooftop Unit	40QQ-036ABA3-0A0	46.6	74.4	33.4	359	Filter Curb	64
(Heat Recovery & Heat	40QQ-0##ABA#-0A0	•••					Interp.
Pump)	40QQ-060ABA6-0A0	46.6	74.4	41.6	425	34" Isolated Curb	65
\/DE	MMD-AP0120VHG2UL	22.3	17.7	46.9	125	1 ton capacity	66
VRF Vertical AHU	MMD-AP0###VHG2UL			•••			Interp.
vertical And	MMD-AP0600VHG2UL	31.3	24.2	57.9	227	5 ton capacity	67
VMA	38VMA144HDS	31.1	53.8	64.3	782		73
							1
							
				+	+		

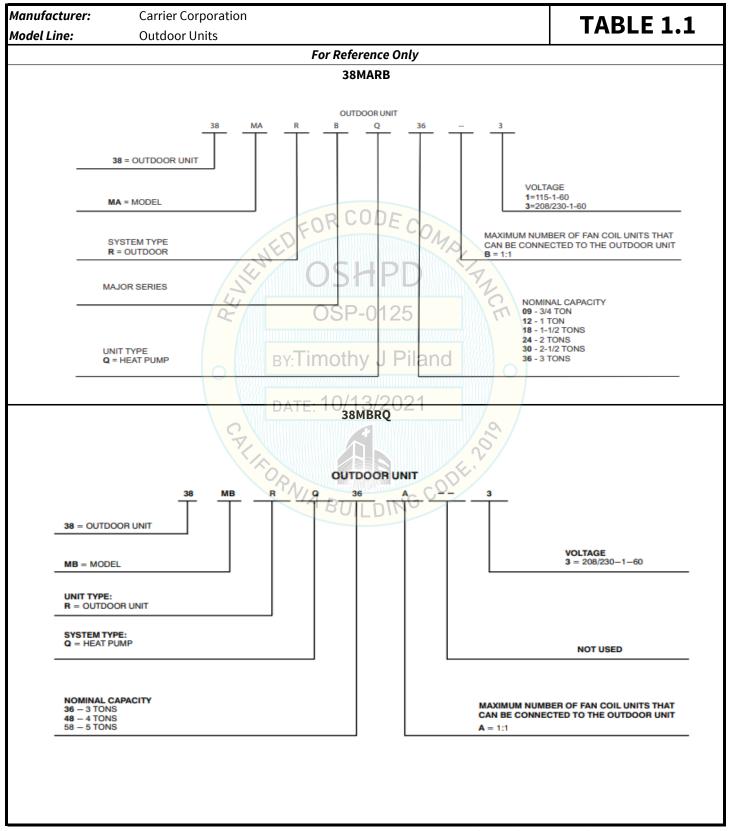






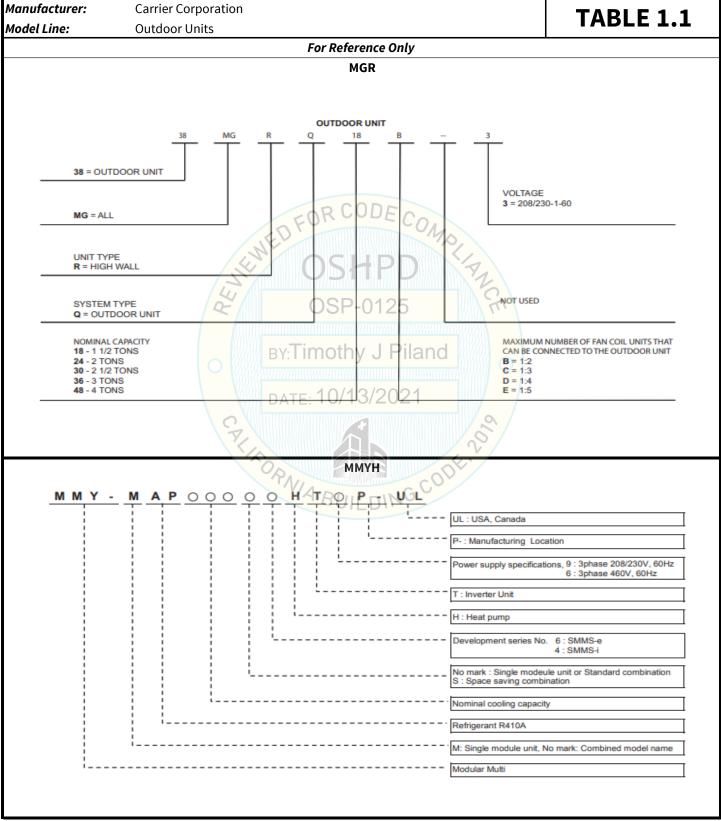






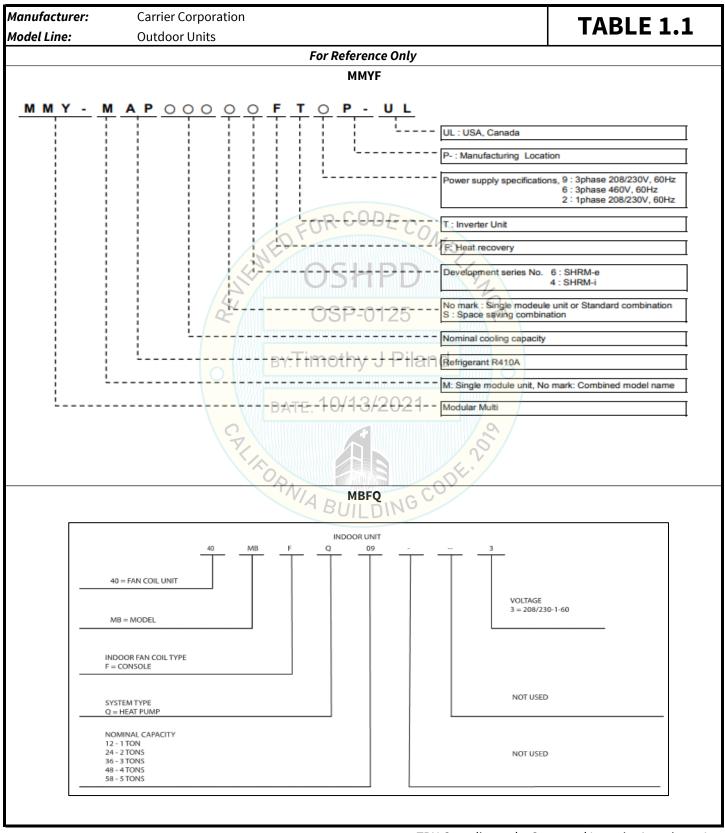






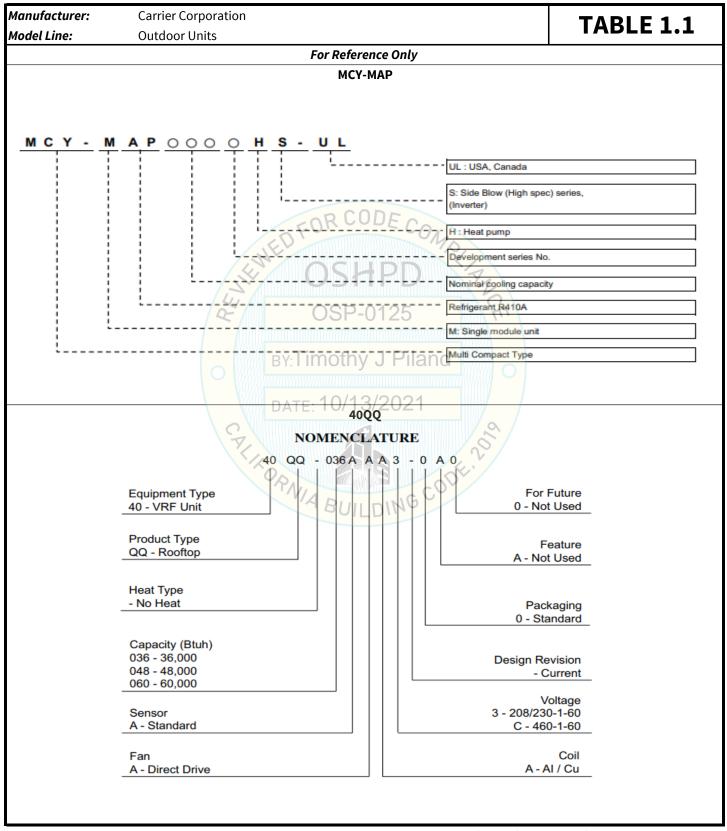
















Manufacturer:	Carrier Corporation	TABLE 1.1
Model Line:	Outdoor Units	IMPLE 1.1
	For Reference Only	
	MMD	
	No. No.	lel type





Manufacturer: Carrier Corporation

Model Line: Indoor Wall Units

TABLE 2

Certified Product Construction Summary:

Carbon steel frame with plastic cover

Certified Options Summary:

208/230V Single Phase

Mounting Configuration:

Wall Mounted - Rigid

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2019,

Seismic Certification Limits:

 $S_{DS} = 2.0 g$ z/h=1.0 $S_{DS} = 2.5 q$ z/h=0.0

 $I_P = 1.5$

		Dimensions (in) 5		Weight			
Model Line	Model	Depth	Width	Height	(lb)	Notes	UUT
MIZ	40MKCB18B-3	R 10.2 in	46.7	13.4	37.5	1-1/2 Ton cooling only	3
MK (High Wall)	40MK# <mark>B##B-</mark> 3	XXXXXXV VVVVV	711111111111111111111111111111111111111			0	Interp.
(High Wall)	40MKQB28B-3	10.4	57,12	13,4	55.1	2-1/3 Ton heating/cooling	4
MIZ	40MKCB18F-3	9.3	42	26.6	59.7	1.4 Ton cooling only	5
MK (Low Wall)	40MK#B##F-3		1111/2		/5	\/	Interp.
(LOW Wall)	40MKQB48F-3	9.3	65	26.6	98.8	3.9 Ton heating/cooling	6
RAV	RAV-SP180KRT-UL	009	41.3	12.6	36	1.5 Ton heating/cooling	15
(High Wall)	RAV-SP240KRT-UL	9/14	41.3	12.6	36	2 Ton heating/cooling	16
	40MAQB##B-#		BÜİL	MAG			Extrap.
MAQ	40MAQB12B-3	7.8	32.87	11.02	19.18	1 Ton heating/cooling	23
(High Wall)	40MAQB##B-#	•••					Interp.
	40MAQB36B-3	10.16	46.69	13.39	40.12	3 Ton heating/cooling	24
MBQ	40MBQB09F-3	23.6	27.6	8.3	32.4	3/4 Ton heating/cooling	29
(Low Wall)	40MBQB12F-3	23.6	27.6	8.3	32.4	1 Ton heating/cooling	30
	MMK-AP0073H2UL	9	41.3	12.6	33	0.58 Ton heating/cooling	33
	MMK-AP0##3H2UL	•••					Interp.
MMK	MMK-AP0243H2UL	9	41.3	12.6	33	2 Ton heating/cooling	34
(High Wall)	MMK-AP0077HPUL ¹	9.1	31.5	11.6	24		70
	MMK-AP0##7HPUL ¹						Interp.
	MMK-AP0247HPUL ¹	9.9	41.4	12.6	33		71

Requires seismic enhancements: Two (2) #8 zip screws add to the plastic housing on top and bottom (4 total)



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Manufacturer: Carrier Corporation			TABLE 2
Model Line:	Indoor Wall Units		IABLEZ
Certified Product C	onstruction Summary:		
Carbon steel frame			

Certified Options Summary:

208/230V Single Phase

Mounting Configuration:

Wall Mounted - Rigid

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

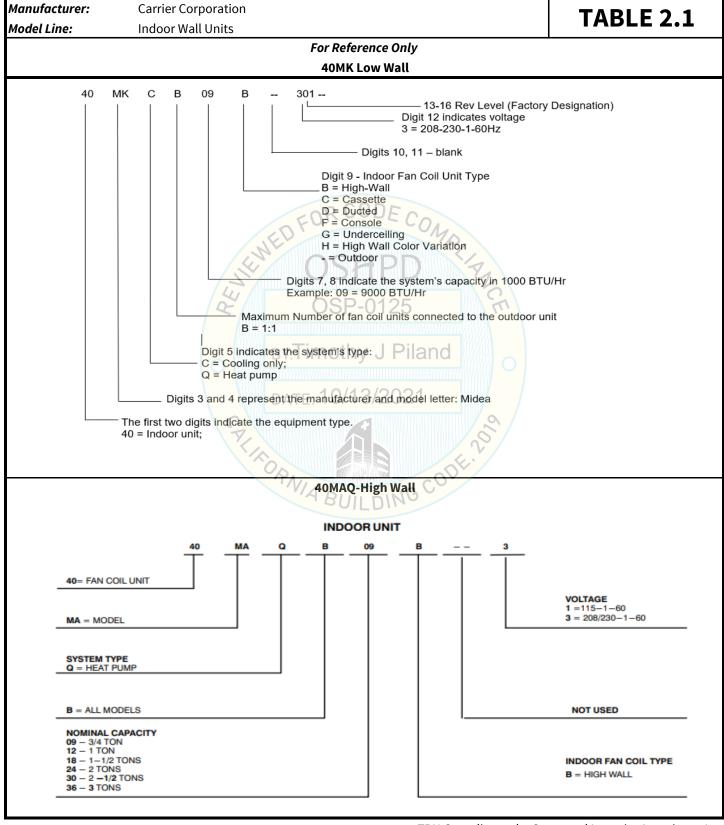
Building Code: CBC 2019,	Seismic Certification Limits:	$S_{DS} = 2.0 g z/h=1.0$	$I_{P} = 1.5$
building code. CBC 2013,	Seisinic Certification Limits.	$S_{ps} = 2.5 \text{g} \text{z/h=0.0}$	1 p - 1.3

Madallina	Model	Dir	mensions	(in)25	Weight	Mata	
Model Line	Model	Depth	Width	Height	(lb)	Notes	UUT
	40MAHB <mark>Q12X</mark> A1	R\8.9 in	31.3/	11.6	24		68
MAH (High Wall Residential)	40MAHB <mark>Q##X</mark> A#	(5000) AVV (5.5.5 V V V V V V V V V V V V V V V V V	11111111111111111111111111111111111111		THE	O	Interp.
(High Wall Residential) -	40MAHB <mark>Q36XA</mark> 3	10.8	44.9	14.6	47.5		69
MDE D. H.	40MBFQ <mark>123</mark>	8.3	27.7	23.6	32.5		57
MBF - Ductless Floor Console	40MBFQ##3		1		/ 5		Interp.
Floor Console	40MBFQ583	9.25	65	26.6	97.5		58
VMW Ductless	40VMW0303 ¹	0 10	47	13.5	38		72
		VIA		INGC	9		
			BUILL	MAG			
¹ Requires seismic enhar							

¹Requires seismic enhancements: Two (2) #8 zip screws add to the plastic housing on top and bottom (4 total)

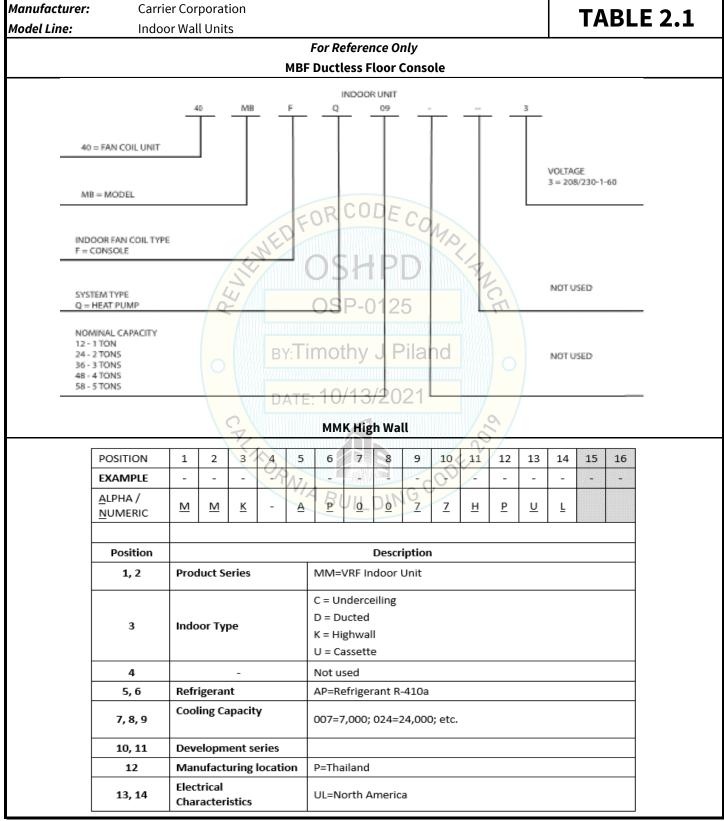
















acturer: Line:		rrier Co door W												T	AB	LE 2.
-111 C •	1110	1001 VV	att UIII	ıs		F	or Ref	erenc	e Onl	,			1			
							High \									
POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
EXAMPLE	4	0	М	Α	Н	В	Q	0	9	х	Α	3	0	1	-	-
ALPHA NUMERIC	N	N	A	A	A	<u>A</u>	N	N	A	A	A	N	N	N	A	A
POSITION 1, 2	40 =	uct Seri Indoor I Outdoo	Ductless	Unit		ering St	R	s assig		on		Prd-Adn	nn.004)	550 20000000		
POSITION 3		ufacture Midea	er	S	70)S	H	PL		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2				
POSITION 4		el letter urrence								he Corp	orate E	ngineeri	ng Stan	dards De	epartme	nt in
POSITION 5	Indo	or Fan C	oil Unit	Туре		. Tir	~ ~ 4 l		L D:							
	C = Cassette BY:Timothy J Piland															
	D = Ducted D = Ducted DATE: 10/13/2021															
	F = F	loor Cor	nsole		D	ATE:	10/	13/4	202	1						
	H = F	ligh Wa	a \	5				4				50/				
	R = C	Outdoor									2	,				
POSITION 6	Majo	or Series	;		0	1/1				c 0	O.					
POSITION 7	C =	t Type: Cooling Heat Pur	Only			A	BU	ILD	INC	, ,						
POSITION	coo	LING CA	PACITY													
8,9	Incre	ments o	of 1,000	втин.	Ex.: 2	4 = 24,	000 BT	JH etc.								
POSITION 10	Max	kimum	Numl	oer of	fan c	oil un	its cor	nect	ed to	the ou	ıtdoor	unit (A	Applies	only t	to out	loors)
	A = 1	1 B = 2	C = 3	D = 4	E = 5	F = 6 (G = 7 H	H = 8 J	= 9 X	= Indo	oor Un	it				
POSITION 11	Vari	iations	•													
	A =	Stand	lard													
POSITION 12	ELEC	TRICAL	CHARAG	TERIST	TICS											
	1 = 1	15/I/60														
	3 = 2	08-230/	1/60													
POSITION 13	Indic	ates uni	t chang	es or d	esian v	ariatio	ns that	do not	offort	1111						11



POSITION 15

POSITION 16

- = Not defined

- = Not defined



Manufacturer: **Carrier Corporation TABLE 2.1** Model Line: Indoor Wall Units For Reference Only **MBF Ductless Floor Console** POSITION 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 EXAMPLE 0 В F Q 2 3 1 ALPHA / NUMERIC Ν Ν Ν Ν N Α Α Α Α Α Ν N Α Α A Α Product Series (Corporate Engineering Standards assigns numbers) POSITION 1, 2 (Ref. Prd-Admn.004) 40 = Indoor Ductless Unit 38 = Outdoor Ductless Unit POSITION 3 Manufacturer M = Midea -POSITION 4 Model letter (Model letters to be assigned on availability by the Corporate Engineering Standards Department in concurrence with the respective product planning council. BY: I imothy J Piland POSITION 5 Unit Type H = High Wall, C = Cassette, D = Ducted, F = Floor Console, R = Outdoor System Type: C = Cooling Only Q = Heat Pump POSITION 6 POSITION 7, 8 COOLING CAPACITY Increments of 1,000 BTUH. Ex.: 12 = 12,000 BTUH etc. POSITION 9 Maximum Number of fan coil units connected to the outdoor unit (Applies only to outdoor units) A=1B=2C=3D=4E=5F=6G=7H=8J=9 <= NA POSITION 10 = Not defined POSITION 11 = Not defined POSITION 12 ELECTRICAL CHARACTERISTICS 1 = 115/1/60 3 = 208-230/1/60 **POSITION 13** Indicates unit changes or design variations that do not affect selling price, configuration, size interchangeability, or customer requirements. **POSITION 14** PACKAGING CHARACTERISTICS 1 = All products designated for use in the USA and Canada





Manufacturer: Carrier Corporation
Model Line: Indoor Ceiling Units

TABLE 3

Certified Product Construction Summary:

Carbon steel frame with plastic or carbon steel cover

Certified Options Summary:

208/230V Single Phase

Mounting Configuration:

Ceiling Suspended/Mounted - Rigid

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2019,

Seismic Certification Limits:

 $S_{DS} = 2.0 g$ z/h=1.0 $S_{DS} = 2.5 g$ z/h=0.0

Madalita		Dir	mensions	(in)25	Weight	m National Property of the Pro	
Model Line	Model	Depth	Width	Height	(lb)	Notes	UUT
MIZ	40MKCB <mark>18F-3¹</mark>	_B \9.3 in	142 _V	26.6	59.7	1.4 Ton cooling only	7
MK (Underceiling)	40MKXB##F-3 ¹	XXXXXXXVV V VXXXVXXXXXXXXXXXXXXXXXXXXXX	7/////			0	Interp.
(Onderceiling)	40MKQB <mark>48F-3</mark> 1	9.3	1 0 65 3	26.6	98.8	3.9 Ton heating/cooling	8
DAV	RAV-SP18 <mark>0UT-U</mark> L	33.1	33.1	10.1	44	1.5 Ton heating/cooling	13
RAV (Four Way Cassette)	RAV-SP###UT-UL		1,4		/ 5	·/	Interp.
(Four way cassette)	RAV-SP420UT-UL	33.1	33.1	12.6	53	3.5 Ton heating/cooling	14
DAV	RAV-SP180CT-UL ³	26.8	35.8	8.3	44	1.5 Ton heating/cooling	11
RAV (Underceiling)	RAV-SP###CT-UL ³	1.1/4		LAIG C	·		Interp.
(Onderceiling)	RAV-SP420CT-UL ³	26.8	62.8	8.3	73	3.5 Ton heating/cooling	12
MBO	40MBQB09C-3	25.47	25.47	12.21	40.8	0.75 Ton heating/cooling	27
MBQ (Four Way Cassette)	40MBQB##C-3					•••	Interp.
(Four way cassette)	40MBQB18C-3	25.47	25.47	12.21	45.2	1.5 Ton heating/cooling	28
	40MBQB09D-3 ¹	25	27.56	8.27	39.9	0.75 Ton heating/cooling	25
MDO	40MBQB###-3 ¹						Interp.
MBQ (Duct System)	40MBQB24D-3 ¹	25	36.22	10.63	57.3	2 Ton heating/cooling	26
(Duct System)	40MBQB36D-3 ²	30.51	44.88	10.63	77.2	3 Ton heating/cooling	41
	40MBQB48D-3 ²	34.06	47.24	11.81	99.2	4 Ton heating/cooling	42
MRCO	40MBCQ093	25.5	25.5	12.5	37.5	Dimensions include plantin	43
MBCQ (Four Way Cassette)	40MBCQ##3				•••	Dimensions include plastic	Interp.
(1 out way cassette)	40MBCQ483	37.4	37.4	13.5	77.5	panet	44

¹Requires seismic enhancements: (6) #10 self-tapping screws in each mounting bracket (24 total)

²Requires seismic enhancements: (4) #10 self-tapping screws in each mounting bracket (16 total)

³Requires seismic enhancements: (4) #10 washers at bolt head connecting support bracket to plastic cover (4 total)





Manufacturer: Carrier Corporation
Model Line: Indoor Ceiling Units

TABLE 3

Certified Product Construction Summary:

Carbon steel frame with plastic or carbon steel cover

Certified Options Summary:

208/230V Single Phase

Mounting Configuration:

Ceiling Suspended/Mounted - Rigid

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2019,

Seismic Certification Limits:

 $S_{DS} = 2.0 \, g \, z/h = 1.0$

 $I_P = 1.5$

	4,				S _{DS} =	2.5 g z/h=0.0	
Model Line	Model	Di	mensions	(in)25	Weight	Notes	UUT
Model Lille	Modet	Depth	Width	Height	(lb)	Morez	
	MMU-AP0 <mark>074H</mark> PUL	_B 37.4 in	37.4/	J Plan	d 44	Dimensions include plastic	47
MMU	MMU-AP0###HPUL	AXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				<mark>pane</mark> l	Interp.
(Four Way Cassette)	MMU-AP0 <mark>484HP</mark> UL	37.4	37,43	12,6	67		48
	MMU-AP05 <mark>44HP</mark> UL	37.4	37.4	12.6	67	Identical to UUT 48-software	Extrap.
MMC	MMC- AP0181H2UL	26.8	35.8	8.3	46	1.5 Ton heating/cooling	35
(Underceiling)	MMC- AP###1H2UL				,V	/	Interp.
(Onderceiting)	MMC- AP0421H2UL	26.8	62.8	8.3	75	3.5 Ton heating/cooling	36
MRDO	40MBDQ093	19.9	27.6	7.9 C	47		45
MBDQ (Duct System)	40MBDQ##3 ⁴		BÜLL	Illia			Interp.
(buct system)	40MBDQ583 ⁴	33.8	55.1	11.8	182		46
MMD	MMD-AP0246HPUL	29.5	39.3	11.7	76.5		51
(High Static Duct)	MMD-AP0###H###L	••		•••			Interp.
(riigh Static Duct)	MMD-AP0966HP-UL	35.4	55.1	17.6	218		52
	MMD-AP0074BH2UL	31.5	21.7	12.6	64	0.58 Ton heating/cooling	37
	MMD-AP###4BH2UL	•••	•••	•••	•••		Interp.
MMD	MMD-AP0484BH2UL	31.5	53.2	12.6	119	4 Ton heating/cooling	38
(Concealed Duct)	MMD-AP0076BHPUL	29.5	27.6	9.3	54		49
	MMD-AP0###BHPUL	••		•••			Interp.
	MMD-AP0546BHPUL	29.5	55.1	9.3	90.5		50
	RBM-Y0383FUL	6.3	9.77	7.49	11	0 to 3 ton capacity	39
RBM	RBM-Y0613FUL	6.3	9.77	7.49	13	3 to 5 ton capacity	Interp.
(Flow Slector Unit)	RBM-Y0963FUL	7.88	15.8	7.88	20	5 to 8 ton capacity	40
	RBM-Y0384FUL	11.8	19.4	7.1	25		53

⁴Requires seismic enhancements: (4) 1/4" self-tapping screws in each mounting bracket (16 total)

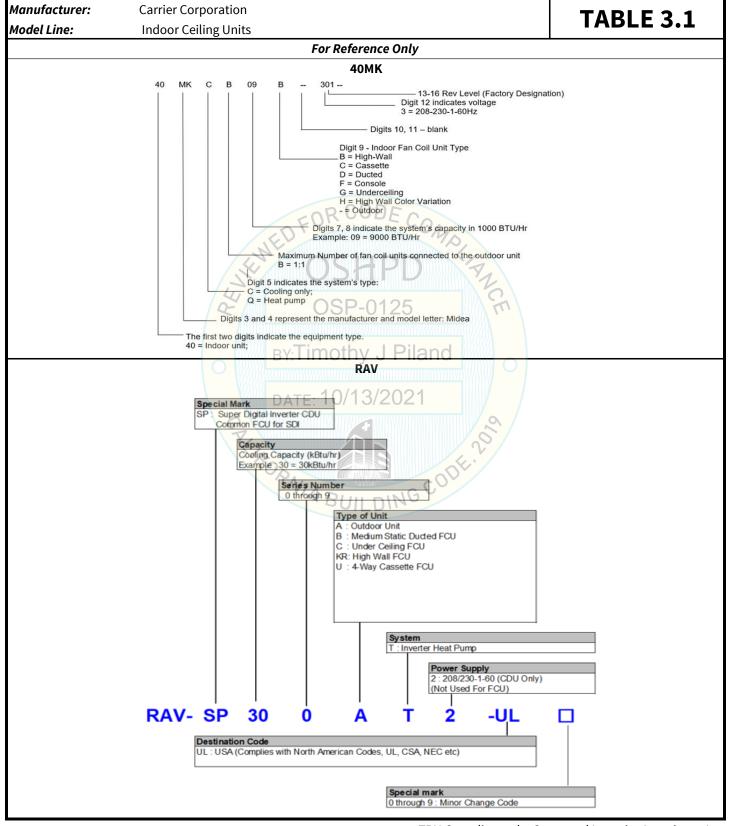


2000830-CR-001-R1

	Carrier Corporation						ТΔ	BLE 3
	Indoor Ceiling Units							
ertified Product Cons	=							
Carbon steel frame witl	h plastic or carbon steel	cover						
Certified Options Sumi	~ ~ µ //							
208/230V Single Phase	nary.							
100/2001 5								
Mounting Configuratio			RCOL	DECO				
Ceiling Suspended/Mou	_			THANKAKA KAN				
Note: Installed mounting cor	nfiguration must be of similar	configuration	on and equiva	alent strength				
Building Code: CBC 201	19,	Seismic C	ertificatio	n Limits:			z/h=1.0	$I_P = 1.5$
	0-1	Dir	mensions	(in)25	Weight	2.5 9	z/h=0.0	<u> </u>
Model Line	Mod <mark>el</mark>	Depth	Width	Height	(lb)	`	Notes	UUT
DDM	RBM-Y0611F4PUL	_B 22.4	28.8/	J 1 8,5ar	83.5			55
RBM (Flow Slector Unit)	RBM-Y0###FCPUL ⁵	(4,5,0,0,0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	7/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1			0		Interp.
(Flow Stector Offic)	RBM-Y0611F6PUL ⁵	22.4	44,13	2 (8.5)	117		·	56
		DAIL.	10/10/	202 1				
	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		*		6			
	1				\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
		PA	MANA MANA		00,			
		VIA	BUILT	ING				
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Danisa and and and and and and and and and an	ncements: (4) 1/4" self-	tannina aa		ab maaati		16 +0:	tal\	

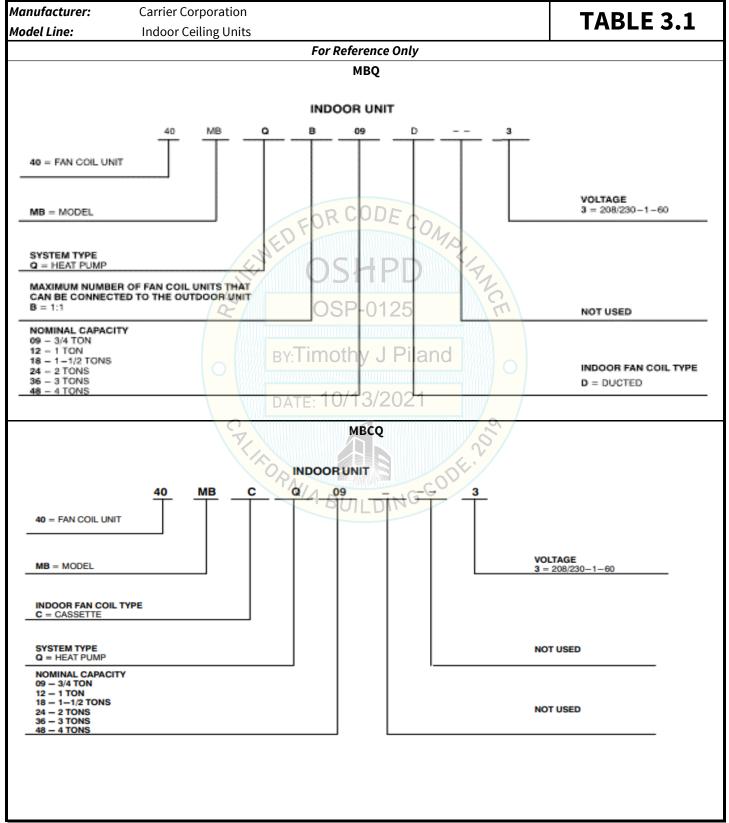
















Manufacturer:	Carrier Co																Т	ABLE 3.1
Model Line:	Indoor Ce	eiling	Unit	S													4	<i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
								fere										
						M	МС	/MM	D/M	MU								_
	POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
	EXAMPLE	<u> </u>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ALPHA / NUMERIC	M	M	<u>U</u>	-	Δ	<u>P</u>	<u>o</u>	0	7	7	Н	<u>P</u>	<u>U</u>	Ē			
	Position	-							Desc	riptio	n							
	1, 2	Proc	duct S	eries		М	IM=\	VRF In										
	3	Indo	oor Ty	pe	OF	D K	= Du = Hi	nderce ucted ghwal assette		C	ON	10/						
	4	1		4/			ot u	_			<u> </u>		7,					
	5, 6	_	igerar	/		AF	P=Re	efrige	rant I	R-410a			1	2/				
	7, 8, 9			apacity		(Oc	07=7	,000;	024=	24,00	0; etc.	7017V	M					
	10, 11	_		nent ser uring <mark>l</mark> o		III D-	-Thb	ifand		Dil	200	1			-			_
		_	trical	uring ic	cation				J		anc			0	-			_
	13, 14		racter	istics	XXXXXXXXXX	UI	L=No	orth A	meri	ca	4		Ш					
40 = FAN CO MB = MODE		_	MB	()	94	Q		OP UNITED SECTION OF THE PERSON OF THE PERSO		NG	CO	3	20		VOLT: 3 = 2	AGE 08/230	-1-60	
D = DUCTED 9																		
SYSTEM TYPE Q = HEAT PUN															NOT	USED		
NOMINAL CAR 09 - 3/4 TON 12 - 1 TON 24 - 2 TONS 36 - 3 TONS 48 - 4 TONS 58 - 5 TONS	PACITY														NOT	USED		
48 - 4 TONS																		





lanufacturer:	Carrier Corporation	TABLE 3.1
1odel Line:	Indoor Ceiling Units	TABLE 5.1
	For Reference Only	
1 2 3	RBM 4 5 6 7 8 9 10 11 12 13 14 19 - ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨	5 (Max. 15 Characters)
Product Classification Unit Capacity Class Development Nu Type Control Type Branch	RBM: Options for multi air-conditioner Y:FS unit SV:Shut-off Valve box Capacity(kW): Euro, Asia, LO model Capacity(kBtu/h): North America	
® Factory	2~16:The number of branch (blank):Japan P:Thailand SP-0125	
Area Classification	Y:China new factory E: Export (Not include North America) UL : North America BY: IMOTHY J Piland	
R B M R B M O O O	- Y 0 6 1 3 15/2021 4 P U L - Y 0 6 DATE 10/15/2021 4 P U L - O O O O O O O O O O O O O O O O O O O	

Carrier Corporation

MicroMetl

40QQ

2000830-CR-001-R1

Manufacturer:

Vertical Economizer

with Power Exhaust

Model Line:



TABLE 4

78

Interp.

77

Interp.

Interp.

Interp.

76

 $S_{DS} = 2.0 g z/h = 1.0$ Building Code: CBC 2019, **Seismic Certification Limits:** $I_{P} = 1.5$ $S_{DS} = 2.5 g z/h = 0.0$ Description **Component Type** Manufacturer Model UUT **Notes** RBM-A0121GUL 64,65 Pulse Motor Valve Kit Carrier Corporation Tested rigid and isolated RBM-A0961GUL 64,65 RBM-Y0383-FUL 64,65 Tested rigid and isolated RBM-Y0384-FUL 64,65 RBM-Y0383-FUL 39 Flow Selector **Carrier Corporation** RBM-Y0384-FUL-53 Ceiling suspended RBM-Y0613FUL Interp. RBM-Y0963FUL 40 Tested rigid and isolated DX Controller **Carrier Corporation** TCB-IFDA1-GUL) 64,65 Tested rigid and isolated CRHEATER337A00 Electric Heat **Carrier Corporation** 65 PEBD-SRT12CA-XXXX-XXX-X Extrap.

208/230V

PEBD-SRT12CA-D2DH-2AY

PEBD-SRT12CA-XXXX-XXX-X

PEBD-SRT12CA-D0DB-4AY-4

PECD-SRT12CA-D0DB-2L1-4

PECD-SRT12CA-D2DH-2L1

PECD-SRT12CA-D0DB-4L1-4

PECD-SRT12CA-D2DH-4L1

Table Description: Accessories

JADE, backward inclined (Cyclone),

Belimo, w/Power exhaust 208/230V

JADE, w/Power exhaust 208/230V

Belimo, w/Power exhaust 460V

JADE, w/Power exhaust 460V

Mounted to unit on an isolated curb

Mounted to unit on a rigid curb

Belimo, backward inclined (Cyclone), 460V | Mounted to unit on an isolated curb

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Manufacturer: Carrier Corporation Table Description: Accessories TABLE 4

Model Line: 40QQ

Building Code: CBC 2019, Seismic Certification Limits: $S_{DS} = 2.0 \text{ g} \quad z/h = 1.0$ $S_{DS} = 2.0 \text{ g} \quad z/h = 0.0$

anding code. CDC 201			$S_{DS} = 2.5 g z/h = 0.0$		
Component Type	Manufacturer	Model	RCODEDescription	Notes	UUT
Horizontal		PECH-SRT12CA-D2DH-4L1	JADE, w/Power exhaust 460V		Extrap.
Economizer with	MicroMetl	PECH-SRT12CA-D2DH-4L1-4	JADE, w/Power exhaust 208/230V		Extrap.
Power Exhaust		PECH-SRT12CA-D0DB-4L1-4	Belimo, w/Power exhaust 460V		Extrap.
		PECH-SRT12CA-D0DB-2L1-4	Belimo, w/Power exhaust 208/230V		Extrap.
		PEBH-SRT12CA-D0DB-2AY-4	Belimo Only, backward inclined (Cyclone), 208/230V	Tested rigid wall/based mounted	74
Horizontal Economizer with	MicroMetl	PEBH-SRT12CA-D2DH-2AY	JADE, backward inclined (Cyclone), 208/230V		Interp.
Power Exhaust		PEBH-SRT12CA-D0DB-4AY-4			Interp.
		PEBH-SRT12CA-D2DH-4AY	JADE, backward inclined (Cyclone), 460V	Tested rigid wall/based mounted	75
		TVI,	BUILDING CO		

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Manufacturer: Carrier Corporation Table Description: Accessories

Model Line: 40QQ

TABLE 4

Building Code: CBC 2019, Seismic Certification Limits: $S_{DS} = 2.0 \text{ g} \quad z/h = 1.0$ $S_{DS} = 2.0 \text{ g} \quad z/h = 0.0$

			$S_{DS} = 2.5 g z/h = 0.0$	- F	
Component Type	Manufacturer	Model	RCODEDescription	Notes	UUT
Pulse Motor Valve Kit	Carrier Corporation	RBM-A0121GUL	361155	Tested rigid and isolated	64, 65
ruise Motor valve Nit	Carrier Corporation	RBM-A0961GUL	DSHPD 7	rested rigid and isotated	64,65
		RBM-Y0383-FUL		Tested rigid and isolated	64,65
		RBM-Y0384-FUL	OSP-0125	rested rigid and isotated	64,65
Flow Selector	Carrier Corporation	RBM-Y0383-FUL	HITTHITHITHIN MATERIAL TO THE TOTAL THE TOTAL TO THE TOTAL THE TOTAL TO THE TOTAL THE TOTAL TO T		39
Flow Selector	Carrier Corporation	RBM-Y0384-FULBY.Ti	mothy J Piland	Ceiling suspended	53
		RBM-Y0613FUL		Centing suspended	Interp.
		RBM-Y0963FUL	10/13/2021		40
DX Controller	Carrier Corporation	TCB-IFDA1-GUL)	10/13/2021	Tested rigid and isolated	64,65
Electric Heat	Carrier Corporation	CRHEATER337A00	*	Tested rigid and isolated	65
		PEBD-SRT12CA-XXXX-XXX-X			Extrap.
		PEBD-SRT12CA-D2DH-2AY	JADE, backward inclined (Cyclone), 208/230V	Mounted to unit on a rigid curb	78
Vertical Economizer	MicroMetl	PEBD-SRT12CA-XXXX-XXX-X			Interp.
with Power Exhaust	MICIOMELL	PEBD-SRT12CA-D0DB-4AY-4	Belimo, backward inclined (Cyclone), 460V	Mounted to unit on an isolated curb	77
		PECD-SRT12CA-D0DB-2L1-4	Belimo, w/Power exhaust 208/230V		Interp.
		PECD-SRT12CA-D2DH-2L1	JADE, w/Power exhaust 208/230V		Interp.
		PECD-SRT12CA-D0DB-4L1-4	Belimo, w/Power exhaust 460V		Interp.
		PECD-SRT12CA-D2DH-4L1	JADE, w/Power exhaust 460V	Mounted to unit on an isolated curb	76

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Manufacturer: **Carrier Corporation** Table Description: Accessories **TABLE 4** Model Line: 40QQ

 $S_{DS} = 2.0 g z/h = 1.0$ **Seismic Certification Limits:** $I_P = 1.5$ Building Code: CBC 2019,

anding code. CDC 201			$S_{DS} = 2.5 g z/h = 0.0$		
Component Type	Manufacturer	Model	RCODEDescription	Notes	UUT
Horizontal		PECH-SRT12CA-D2DH-4L1	JADE, w/Power exhaust 460V		Extrap.
Economizer with	MicroMetl	PECH-SRT12CA-D2DH-4L1-4	JADE, w/Power exhaust 208/230V		Extrap.
Power Exhaust		PECH-SRT12CA-D0DB-4L1-4	Belimo, w/Power exhaust 460V		Extrap.
		PECH-SRT12CA-D0DB-2L1-4	Belimo, w/Power exhaust 208/230V		Extrap.
		PEBH-SRT12CA-D0DB-2AY-4	Belimo Only, backward inclined (Cyclone), 208/230V	Tested rigid wall/based mounted	74
Horizontal Economizer with	MicroMetl	PEBH-SRT12CA-D2DH-2AY	JADE, backward inclined (Cyclone), 208/230V		Interp.
Power Exhaust		PEBH-SRT12CA-D0DB-4AY-4			Interp.
		PEBH-SRT12CA-D2DH-4AY	JADE, backward inclined (Cyclone), 460V	Tested rigid wall/based mounted	75
		TVI,	BUILDING CO		

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Manufacturer: Model Line:	•	BQ/MAP/QQ/MMD/MMK/MAHBO	Q/MBCQ/MBDQ/MMU/MMD/F	RBM		
UUT	Unit Description	Report Number	Testing Laboratory	S _{DS}	z/h	I _P
1	24AHA-418-A003	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
2	25HHA-460-A006	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
3	40MKCB18B-3	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
4	40MKQB28B-3	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
5	40MKCB18F-3	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
6	40MKQB48F-3	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
7	40MKCB18F-3	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
8	40MKQB48F-3	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
9	RAV-SP180AT2-UL	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
10	RAV-SP420AT2-UL	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
11	RAV-SP180UT2-UL	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
12	RAV-SP420UT2-UL	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
13	RAV-SP180CT-UL	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
14	RAV-SP420CT-UL	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
15	RAV-SP180KRT-UL	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
16	RAV-SP420KRT-UL	16043-TR-001 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5

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Manufacturer: Model Line:	•	Q/MAP/QQ/MMD/MMK/MAHB0	Q/MBCQ/MBDQ/MMU/MMD/F	RBM		
UUT	Unit Description	Report Number	Testing Laboratory	S _{DS}	z/h	I _P
17	38MAQB09R-1	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
18	38MAQB36R-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
19	38MBRQ36A-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
20	38MBRQ48A-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
21	38MGQ18B-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
22	38MGQ48E-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
23	40MBQ09B-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
24	40MAQB36B-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
25	40MBQB09D-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
26	40MBQB24D-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
27	40MBQB09C-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
28	40MBQB18C-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
29	40MBQB09F-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
30	40MBQB12F-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
31	MMY-MAP0726HT9UL	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
32	MMY-MAP1686FT6UL	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5

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Manufacture Model Line:	'	BQ/MAP/QQ/MMD/MMK/MAHBO		RBM		
UUT	Unit Description	Report Number	Testing Laboratory	S _{DS}	z/h	I _P
33	MMK-AP0073H2UL	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
34	MMK-AP0243H2UL	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
35	MMC-AP0181H2UL	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
36	MMC-AP0421H2UL	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
37	MMD-AP0074BH2UL	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
38	MMD-AP0484BH2UL	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
39	RBM-Y0383FUL	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
40	RBM-Y0963FUL	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
41	40MBQB36D-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
42	40MBQB48D-3	16043-TR-002 Rev. 1	Pacific Earthquake Engineering Research Center (PEER)	2.0 2.5	1.0 0.0	1.5
43	40MBCQ093	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5
44	40MBCQ483	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5
45	40MBDQ093	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0	1.0 0.0	1.5
46	40MBDQ583	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5
47	MMU-AP074HPUL	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5
48	MMU-AP0484HPUL	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5
49	MMD-AP0077BHPUL	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5

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Manufacture Model Line:	'	Q/MAP/QQ/MMD/MMK/MAHBQ	Q/MBCQ/MBDQ/MMU/MMD/	RBM		
UUT	Unit Description	Report Number	Testing Laboratory	S _{DS}	z/h	I _P
50	MMU-AP0546BHPUL	2000830-TR-001-R0	Environmental Testing	2.0	1.0	1.5
51	MMD-AP00246HPUL	2000830-TR-001-R0	Laboratory (ETL) Environmental Testing	2.5	1.0	1.5
			Laboratory (ETL)	2.5	0.0	
52	MMD-AP00966HPUL	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5
53	RBM-Y0384FUL	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5
54		Not Used	012			
55	RMB-Y0611F4PUL	2000830-TR-001-R0	Environmental Testing	2.0	1.0	1.5
	4		Laboratory (ETL)	2.5	0.0	<u> </u>
56	RMB-Y06116PUL	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5
57	40MBFQ123	2000830-TR-001-R0	Environmental Testing Claboratory (ETL)	2.0	1.0	1.5
58	40MBFQ583	2000830-TR-001-R0	Environme <mark>ntal T</mark> esting	2.0	1.0	1.5
		DATE: 10/13/2021	Laboratory (ETL)	2.5	0.0	
59	38MARBQ12AA1	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5
60	38MARBQ36AA3	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0	1.0	1.5
61	38MBRQ36AA3	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0	1.0	1.5
62	38MBRQ48AA3	2000830-TR-001-R0	Environmental Testing	2.0	1.0	1.5
63	MCY-MAP0607HS-UL	2000830-TR-001-R0	Laboratory (ETL) Environmental Testing	2.5	1.0	1.5
		200000	Laboratory (ETL)	2.5	0.0	
64	40QQ-036AB3-0A0	2000971-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5
65	40QQ-060ABA6-0A0	2000971-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5
66	MMD-AP0120VHG2UL	2000830-TR-001-R0	Environmental Testing	2.0	1.0	1.5
			Laboratory (ETL)	2.5	0.0	
67	MMD-AP0600VHG2UL	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5

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	Unit Description 40MAHBQ12XA1 40MAHBQ36XA3 MMK-AP0077HPUL MMK-AP0247HPUL 40VMW0303 38VMA144HDS EBH-SRT12CA-D0DB-2AY-4	Report Number 2000830-TR-001-R0 2000830-TR-001-R0 2000830-TR-001-R0 2000830-TR-001-R0 2000830-TR-001-R0 2000830-TR-001-R0	Environmental Testing Laboratory (ETL) Environmental Testing	2.0 2.5 2.0 2.5 2.0 2.5 2.0 2.5 2.0 2.5 2.0 2.5 2.0 2.5	z/h 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 0	1.5 1.5 1.5 1.5
69 70 71 72 73 74 PI	40MAHBQ36XA3 MMK-AP0077HPUL MMK-AP0247HPUL 40VMW0303 38VMA144HDS	2000830-TR-001-R0 2000830-TR-001-R0 2000830-TR-001-R0 2000830-TR-001-R0	Laboratory (ETL) Environmental Testing Laboratory (ETL)	2.5 2.0 2.5 2.0 2.5 2.0 2.5 2.0 2.5 2.0 2.5 2.0	0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0	1.5 1.5 1.5
69 70 71 72 73 74 PI	40MAHBQ36XA3 MMK-AP0077HPUL MMK-AP0247HPUL 40VMW0303 38VMA144HDS	2000830-TR-001-R0 2000830-TR-001-R0 2000830-TR-001-R0 2000830-TR-001-R0	Environmental Testing Laboratory (ETL) Laboratory (ETL)	2.0 2.5 2.0 2.5 2.0 2.5 2.0 2.5 2.0 2.5 2.0	1.0 0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0	1.5
70 71 72 73 74 PI	MMK-AP0077HPUL MMK-AP0247HPUL 40VMW0303 38VMA144HDS	2000830-TR-001-R0 2000830-TR-001-R0 2000830-TR-001-R0	Laboratory (ETL) Environmental Testing Laboratory (ETL) Environmental Testing Laboratory (ETL) Environmental Testing Laboratory (ETL) Environmental Testing Laboratory (ETL)	2.5 2.0 2.5 2.0 2.5 2.0 2.5 2.0 2.5 2.0	0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0	1.5
70 71 72 73 74 PI	MMK-AP0077HPUL MMK-AP0247HPUL 40VMW0303 38VMA144HDS	2000830-TR-001-R0 2000830-TR-001-R0 2000830-TR-001-R0	Environmental Testing Laboratory (ETL) Environmental Testing Laboratory (ETL) Environmental Testing Laboratory (ETL) Environmental Testing Laboratory (ETL) Laboratory (ETL)	2.0 2.5 2.0 2.5 2.0 2.5 2.0 2.5 2.0	1.0 0.0 1.0 0.0 1.0 0.0 1.0	1
71 72 73 74 PI	MMK-AP0247HPUL 40VMW0303 38VMA144HDS	2000830-TR-001-R0 2000830-TR-001-R0 2000830-TR-001-R0	Laboratory (ETL) Environmental Testing Laboratory (ETL) Environmental Testing Laboratory (ETL) Environmental Testing Laboratory (ETL)	2.5 2.0 2.5 2.0 2.5 2.0 2.5 2.0	0.0 1.0 0.0 1.0 0.0 1.0	1.
71 72 73 74 PI	MMK-AP0247HPUL 40VMW0303 38VMA144HDS	2000830-TR-001-R0 2000830-TR-001-R0 2000830-TR-001-R0	Environmental Testing Laboratory (ETL) Environmental Testing Laboratory (ETL) Environmental Testing Laboratory (ETL)	2.0 2.5 2.0 2.5 2.0 2.5	1.0 0.0 1.0 0.0 1.0	1.
72 73 74 PI	40VMW0303 38VMA144HDS	2000830-TR-001-R0 2000830-TR-001-R0	Laboratory (ETL) Environmental Testing Laboratory (ETL) Environmental Testing Laboratory (ETL)	2.5 2.0 2.5 2.0 2.5	0.0 1.0 0.0 1.0	1.
72 73 74 PI	40VMW0303 38VMA144HDS	2000830-TR-001-R0 2000830-TR-001-R0	Environmental Testing Laboratory (ETL) Environmental Testing Laboratory (ETL)	2.0 2.5 2.0 2.5	1.0 0.0 1.0	1.
73 PI	38VMA144HDS	2000830-TR-001-R0	Laboratory (ETL) Environmental Testing Laboratory (ETL)	2.5 2.0 2.5	0.0	
73 PI	38VMA144HDS	2000830-TR-001-R0	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0	
74 PI			Laboratory (ETL)	2.5		1
74 PI					0.0	
	EBH-SRT12CA-D0DB-2AY-4	2000971-TR-001-R0	Environmental Testing		•	1.
	EBH-SRT12CA-DUDB-ZAY-4	2000971-1R-001-R0		2.0	1.0	1.
75 F			Laboratory (ETL)	2.5	0.0	
/5 F	PEBH-SRT12CA-D2D <mark>H-4A</mark> Y	B 2000971-TR-001-R0 Pil	Environmental Testing	2.0	1.0	
			ano _{Laboratory} (ETL)	2.5	0.0	1.
7.0	48FCTN07M3R6A3 <mark>A5F0</mark>	2000971-TR-001-R0	Environmental Testing	2.0	1.0	1 1 5
76		DATE: (UUT/6)3/202	Laboratory (ETL)	2.5	0.0	
		2000971-TR-001-R0 (UUT 7)	Environmental Testing	2.0	1.0	
77	48GCLN06M3R6A2A0D0		Laboratory (ETL)	2.5	0.0	1.
70	48GCL04ALF5A0A0F0	2000971-TR-001-R0	Environmental Testing	2.0	1.0	
78		(UUT 8)	Laboratory (ETL)	2.5	0.0	1.
		PNIA BUILDING	CO			
		SOILDII				

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UUT 1

Manufacturer:Carrier CorporationModel Line:24AHA/25HHA

24AHA-418-A003 **Serial Number:** 3716X94714

Product Construction Summary:

Carbon steel housing

Model Number:

Options/Subcomponent Summary:

Cooling only, single phase 208/230V

					AUDANIA C					
			UUT Pro	operties		71				
Weight		Dimension (in				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	t-Back	Side	-Side	Ver	tical
146	14.6	36.9	3:	1.1	////////// 1	1.2	23	3.6	>3	3.3
		UUT Highe:	st Passed Se	ismic Run	Informa	tion				
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019	ICC-ES/A	ored 0/11	2,00	1.0	1.5	3.2	2.4	1.67	0.67
CBC	. 2019	ICC-ES AC	7 <u>Ŧ</u> 30 ()/ 4	2.5	0.0	1.5	3.2	2.4	1.07	0.67

Test Mounting Details:



The UUT was rigid floor mounted using six (6) 3/8" Grade 8 Bolts.

Unit maintained structural integrity and remained functional per manufacturer requirement.
Contents were included in testing per operating conditions.

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UUT 2

Manufacturer:Carrier CorporationModel Line:24AHA/25HHA

25HHA-460-A006 **Serial Number:** 3616X90140

Product Construction Summary:

Carbon steel housing

Model Number:

Options/Subcomponent Summary:

Heating and cooling, 3 phase 460V

			UUT Pro	operties		7				
Weight		Dimension (in				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	-Back	Side	-Side	Ver	tical
245	17.1	44.5	4:	3.1	5	.8	13	3.8	>3	3.3
		UUT Highe	st Passed Se	eismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CRC	2019	ICC-ES AC15	6120101/1	2/3/90	1.0	1.5	3.2	2.4	1.67	0.67
CBC	2013	ICC-ES ACIS	ο/ζοτο)	2.5	0.0	1.5	3.2	2.4	1.07	0.67

Test Mounting Details:



The UUT was rigid floor mounted using six (6) 3/8" Grade 8 Bolts.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 3

Manufacturer: Carrier Corporation

Model Line: 40MK

Model Number: 40MKCB18B-3 Serial Number: 2816V00518

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

					INTERNATION CONTRACTOR					
			UUT Pro	operties		7				
Weight		Dimension (in)				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	t-Back	Side	-Side	Ver	tical
37.5	10.2	46.7	13	3.4	MANAMAN N	I/A	N	/A	N	/A
		UUT Highes	st Passed Se	ismic Run	Informa	tion				
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019	ICC-ES AC15	a 12 d 1 0 / 1 °	2,90	1.0	1.5	3.2	2.4	1.67	0.67
CBC	2019	ICC-ES ACIS	o-(\$0TØ)\	2.5	0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:





The UUT was rigid wall mounted using nineteen (19) #12 sheet metal screws.

Unit maintained structural integrity and remained functional per manufacturer requirement.

Contents were included in testing per operating conditions.

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UUT 4

Manufacturer: Carrier Corporation

Model Line: 40MK

Model Number: 40MKQB28B-3 Serial Number: 2515V00550

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

					THE PARTY OF THE P					
			UUT Pro	operties		71				
Weight		Dimension (in				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	t-Back	Side	-Side	Ver	tical
55.1	10.4	57.1	13	3.4	//////////////////////////////////////	I/A	N	/A	N	/A
		UUT Highe:	st Passed Se	ismic Run	Informa	tion				
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2010	ICC-ES AC15	a 12 dt 6) / 1 °	2,90	1.0	1.5	3.2	2.4	1.67	0.67
CBC	2019	ICC-ES ACIS	o (\$018)	2.5	0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:





The UUT was rigid wall mounted using twenty two (22) #12 sheet metal screws.

Unit maintained structural integrity and remained functional per manufacturer requirement.

Contents were included in testing per operating conditions.

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UUT5

Manufacturer: Carrier Corporation

Model Line: 40MK

Model Number: 40MKCB18F-3 Serial Number: 4515V00035

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	perties		71				
Weight		Dimension (in)			Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	-Back	Side	-Side	Vert	ical
59.7	42	9.3	20	6.6	//////////N	/A	N	/A	N,	/A
		UUT Highe	st Passed Se	ismic Run	Informa	tion				
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CPC	2019	ICC-ES AC15	6 (2010) / 1	2.0	1.0	1.5	3.2	2.4	1.67	0.67
CBC	2019	ICC-ES ACIS	ο-(ζυτο)/	2.5	0.0	1.5	3.2	2.4	1.07	0.67

Test Mounting Details:





The UUT was rigid wall mounted using four (4) 3/8"A307 Thru bolts.

Unit maintained structural integrity and remained functional per manufacturer requirement.

2000830-CR-001-R1



UUT 6

Manufacturer: Carrier Corporation

Model Line: 40MK

Model Number: 40MKQB48F-3 **Serial Number:** 3015V00793

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	operties		Y.				
Weight		Dimension (in)			Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	-Back	Side	-Side	Ver	tical
98.8	9.3	65	20	6.6	MAMAMAMAN N	/A	N	/A	N	/A
		UUT Highe	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CPC	2019	ICC-ES AC15	c 12016)/1	2/3/90	1.0	1.5	3.2	2.4	1.67	0.67
CBC	2013	ICC-ES ACIS	O (SOTO)	2.5	0.0	1.5	3.2	2.4	1.07	0.67

Test Mounting Details:





The UUT was rigid wall mounted using four (4) 3/8"A307 Thru bolts.

Unit maintained structural integrity and remained functional per manufacturer requirement.

2000830-CR-001-R1



UUT 7

Manufacturer: Carrier Corporation

Model Line: 40MK

Model Number: 40MKCB18F-3 Serial Number: 4575V00034

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	operties		7				
Weight		Dimension (in				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	-Back	Side	-Side	Ver	tical
59.7	42	26.6	9	.3	MAMAAAAAAA N	/A	N	/A	N	/A
		UUT Highe:	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019	ICC-ES AC15	G12016)/1	2/3/90	1.0	1.5	3.2	2.4	1.67	0.67
CBC	2019	ICC-ES ACIS	o (soro)	2.5	0.0	1.5	3.2	2.4	1.07	0.67

Test Mounting Details:





The UUT was ceiling suspended using four (4) 3/8" A36 hanger rods w/rod stiffeners & four (4) 1/8" cable braces w/Mason SCB-1/SCBH-1 clips at each end. The brackets were mounted to the unit using six (6) #10 self-tapping screws each. Unit maintained structural integrity and remained functional per manufacturer requirement. Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT8

Manufacturer: Carrier Corporation

Model Line: 40MK

Model Number: 40MKQB48F-3 **Serial Number:** 3015V00793

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	perties		7				
Weight		Dimension (in)		<u> </u>	Lowest	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHei	ight 25	Front	-Back	Side	-Side	Ver	tical
98.8	26.6	65	9	.3	AMAMAMA N	/A	N,	/A	N	/A
		UUT Highe	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019	ICC-ES AC15	a (2616)/1 °	2,00	1.0	1.5	3.2	2.4	1.67	0.67
CDC	2019	ICC-ES ACIS	o-(solto)	2.5	0.0	1.5	3.2	2.4	1.07	0.67

Test Mounting Details:





The UUT was ceiling suspended using four (4) 3/8" A36 hanger rods w/rod stiffeners & four (4) 1/8" cable braces w/Mason SCB-1/SCBH-1 clips at each end. The brackets were mounted to the unit using six (6) #10 self-tapping screws each. Unit maintained structural integrity and remained functional per manufacturer requirement. Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT 9

Manufacturer: Carrier Corporation

Model Line: RAV

Model Number: RAV-SP180AT2-UL Serial Number: 60620057

Product Construction Summary:

Carbon steel housing

Options/Subcomponent Summary:

			UUT Pro	perties		7				
Weight		Dimension (in)			<u> </u>	Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHei	ight 25	Front	-Back	Side	-Side	Ver	tical
98	11.4	30.7	2:	1.7	//////////////////////////////////////	7.2	21	l.1	>3	3.3
		UUT Highest	Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Criter	ia	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019	ICC-ES AC156.	and 0/1	2,00	1.0	1.5	3.2	2.4	1 67	0.67
LBU	/1119	ILLI-ES ALASIN	7111251/					. , 4	• ih/	

Test Mounting Details:



The UUT was rigid floor mounted using four (4) 3/8" Grade 8 Bolts.

Unit maintained structural integrity and remained functional per manufacturer requirement.

2000830-CR-001-R1



UUT 10

Manufacturer: Carrier Corporation

Model Line: RAV

Model Number: RAV-SP420AT2-UL Serial Number: 606B001

Product Construction Summary:

Carbon steel housing

Options/Subcomponent Summary:

			UUT	Properties		7				
Weight		Dimension (in)			Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSI	Height 25	Fron	t-Back	Side	-Side	Ver	tical
211.5	12.6	35.4		52.8	WWW.XXXXWW 3	3.1	6	.8	>3	3.3
		UUT Highe	st Passed	l Seismic Run	Informa	tion				
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
<u> </u>	<u> </u>	YWWXXYV			4.0					

WED FOR CODE COMPS,

Test Mounting Details:



The UUT was rigid floor mounted using four (4) 1/2" Grade 8 Bolts.

Unit maintained structural integrity and remained functional per manufacturer requirement.

2000830-CR-001-R1



UUT 11

Manufacturer: Carrier Corporation

Model Line: RAV

Model Number: RAV-SP180UT-UL Serial Number: 60370013

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	operties		71				
Weight		Dimension (in)		<u> </u>	Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	-Back	Side	-Side	Vert	tical
44	33.1	33.1	10	0.1	AAAAAAAAAAAAA N	/A	N	/A	N,	/A
		UUT Highe	st Passed Se	ismic Run	Informa	tion				
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019	ICC-ES AC15	6 (2010) / 1	2/2/00	1.0	1.5	3.2	2.4	1.67	0.67
CBC	2019	ICC-ES ACIS	ο-(ζυτο)/	2.5	0.0	1.5	3.2	2.4	1.07	0.67

Test Mounting Details:





The UUT was ceiling suspended using four (4) 3/8" A36 hanger rods w/rod stiffeners & four (4) 1/8" cable braces w/Mason SCB-1/SCBH-1 clips at each end. Future installations will require (8) perpendicular cable braces minimum to restrain against torsion.

Unit maintained structural integrity and remained functional per manufacturer requirement.

Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT 12

Manufacturer: Carrier Corporation

Model Line: RAV

Model Number:

RAV-SP420UT-UL Serial Number: 60670004

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

					AMAMAM					
			UUT Pro	operties		7				
Weight		Dimension (in				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	-Back	Side	-Side	Vert	tical
53	33.1	33.1	12	2.6	//////////////////////////////////////	/A	N	/A	N,	/A
		UUT Highe:	st Passed Se	ismic Run	Informa	tion				
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019	ICC ES AC1E	aradi 0 /1 °	2,00	1.0	1.5	2.2	2.4	1.67	0.67
CBC	2019	ICC-ES AC15	o (5018)	2.5	0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:





The UUT was ceiling suspended using four (4) 3/8" A36 hanger rods w/rod stiffeners & four (4) 1/8" cable braces w/Mason SCB-1/SCBH-1 clips at each end. Future installations will require (8) perpendicular cable braces minimum to restrain against torsion.

Unit maintained structural integrity and remained functional per manufacturer requirement.

Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT 13

Manufacturer: Carrier Corporation

Model Line: RAV

Model Number: RAV-SP180CT-UL Serial Number: 50820030

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

					III III III III III III III III III II						
			UUT Pro	operties		71					
Weight	Dimension (in)				Lowest Natural Frequency (Hz)						
(lb)	Depth	Width	OS Height 25		Front-Back		Side-Side		Vertical		
46	26.8	35.8 8.3		.3	N/A		N/A		N/A		
		UUT Highe:	st Passed Se	ismic Run	Informa	tion					
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
CDC	2010	ICC-ES AC156 (2018)/1		2,00	1.0	1.5					
CBC	2019	ICC-ES ACIS	o (\$018)	2.5	0.0	1.5	3.2	2.4	1.67	0.67	

Test Mounting Details:







The UUT was ceiling hung using four (4) A36 hanger rods w/rod stiffeners and four (4) 1/8" cable braces w/ Mason SCB-1/SCBH-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement.

2000830-CR-001-R1



UUT 14

Manufacturer: Carrier Corporation

Model Line: RAV

Model Number:

RAV-SP420CT-UL Serial Number: 60420008

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

					THE PARTY OF THE P							
			UUT Pro	perties		71						
Weight		Dimension (in)				Lowest Natural Frequency (Hz)						
(lb)	Depth	Width OS Hei			Front-Back		Side-Side		Ver	tical		
73	26.8	62.8 8.3		.3	N/A		N/A		N/A			
		UUT Highe:	st Passed Se	ismic Run	Informa	tion						
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CDC	CBC 2019		ISC ES ASSES (2610) / 1 3		1.0	1.5	3.2	2.4	1.67	0.67		
CBC	2019	ICC-ES AC156 (2018)		2.5	0.0	1.5	3.2	2.4	1.67	0.67		

Test Mounting Details:







The UUT was ceiling hung using four (4) A36 hanger rods w/rod stiffeners and four (4) 1/8" cable braces w/ Mason SCB-1/SCBH-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 15

Manufacturer: Carrier Corporation

Model Line: RAV

Model Number: RAV-SP180KRT-UL Serial Number: 62600060

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	operties		7					
Weight		Dimension (in			Lowest Natural Frequency (Hz)						
(lb)	Depth	Width	Front-Back		Side-Side		Vertical				
31	9	41.3 12.6		2.6	N/A		N	/A	N	/A	
		UUT Highe:	st Passed Se	ismic Run	Informa	tion					
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
CBC 2019		ICC EC AC1EC/2010/11		2/3/90	1.0	1.5	2.2	2.4	1.67	0.67	
CBC	2013	ICC-ES AC156 (2018)		2.5	0.0	1.5	3.2	2.4	1.07	0.67	

Test Mounting Details:





The UUT was rigid wall mounted using ten (10) #10 sheet metal screws.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 16

Manufacturer: Carrier Corporation

Model Line: RAV

Model Number: RAV-SP240KRT-UL Serial Number: 62400016

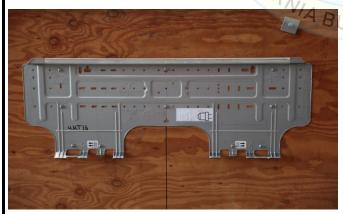
Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	operties		71				
Weight		Dimension (in)	Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	ight 25	Front-Back		Side	-Side	Vertical		
31	9	41.3	1	2.6	N/A		N	/A	N	/A
		UUT Highes	st Passed Se	ismic Run	Informa	tion				
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2010	ICC ES ACIE	100000 10000000000000000000000000000000		1.0	1.5	2.2	2.4		0.67
CBC	2019	ICC-ES AC156 (2018)		2.5	0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:





The UUT was rigid wall mounted using ten (10) #10 sheet metal screws.

Unit maintained structural integrity and remained functional per manufacturer requirement.

2000830-CR-001-R1



UUT 17

Manufacturer: Carrier Corporation

Model Line: 38MAQ

Model Number: 38MAQB09R - 1 **Serial Number:** 2016V15947

Product Construction Summary:

Carbon steel housing

Options/Subcomponent Summary:

		UUT Properties	M. F.		
	Dimension (in) <u></u>	Lowest	Natural Frequen	cy (Hz)
Depth	Width	OS Height 25	Front-Back	Side-Side	Vertical
12.2	31.89	21.97	17.7	12.8	>33.3
	UUT Highe	st Passed Seismic Run	Information		
		Depth Width 12.2 31.89	Dimension (in) Depth Width Height 25 12.2 31.89 21.97	Dimension (in) Lowest Depth Width Height 25 Front-Back	Dimension (in) Lowest Natural Frequence Depth Width Sleeght 25 Front-Back Side-Side 12.2 31.89 21.97 17.7 12.8

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Building Code	Test Criteria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)				
CBC 2019	ICC-ES AC156 (2018)	2,00	1.0	1.5	2.2	2.4	1 67	0.67				
	ICC-E3 AC136 (2016)/	2.5	0.0	1.5	3.2	2.4	1.67	0.67				

Test Mounting Details:





The UUT was rigid floor mounted using four (4) 3/8" lag screws with washers. Unit maintained structural integrity and remained functional per manufacturer requirement. Contents were included in testing per operating conditions.

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UUT 18

Manufacturer: Carrier Corporation

Model Line: 38MAQ

Model Number: 38MAQB36R - 3 **Serial Number:** 3616V10300

Product Construction Summary:

Carbon steel housing

Options/Subcomponent Summary:

			UUT Properties	M. T.		
Weight		Dimension (in)	Lowest	Natural Frequen	cy (Hz)
(lb)	Depth	Width	OS Height 25	Front-Back	Side-Side	Vertical
147.3	16.14	31.89	37.2	11.7	7.7	>33.3
		UUT Highe	st Passed Seismic Run	Information		
147.3			st Passed Seismic Run		7.7	

WED FOR CODE COMPS,

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)				
CBC 2019	ICC-ES AC156 (2018)	2,00	1.0	1.5	2.2	2.4	1 67	0.67				
	ICC-E3 AC136 (2016)/	2.5	0.0	1.5	3.2	2.4	1.67	0.67				

Test Mounting Details:





The UUT was rigid floor mounted using four (4) 3/8" lag screws with washers. Unit maintained structural integrity and remained functional per manufacturer requirement. Contents were included in testing per operating conditions.

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UUT 19

Manufacturer: Carrier Corporation

Model Line: 38MBR

Model Number: 38MBRQ36A - 3 Serial Number: 2616V14685

Product Construction Summary:

Carbon steel housing

Options/Subcomponent Summary:

			UUT P	roperties		7						
Weight		Dimension (in) Lowest Natural						ral Frequency (Hz)				
(lb)	Depth	Width	OSF	eight 25	Fron	t-Back	Side	-Side	Ver	tical		
154	15.55	37.2	111111111111111111111111111111111111111	31.89	////////////////////S	9.9	13	13.9		13.9 >33.3		3.3
		UUT Highe	st Passed :	Seismic Run	Informa	tion						
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
		VAACYVVA										

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)			
CBC 2019	ICC-ES AC156 (2018)	2/2/90	1.0	1.5	2.7	2.4	1.67	0.67			
CBC 2019	ICC-E3 AC136 (2016)	2.5	0.0	1.5	3.2	2.4		0.67			

Test Mounting Details:





The UUT was rigid floor mounted using four (4) 3/8" A307 bolts with washers.
Unit maintained structural integrity and remained functional per manufacturer requirement.
Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT 20

Manufacturer: Carrier Corporation

Model Line: 38MBR

Model Number: 38MBRQ48A - 3 Serial Number: 2316V13891

Product Construction Summary:

Carbon steel housing

Options/Subcomponent Summary:

			UUT	Properties		7						
Weight		Dimension (in)				Lowest Natural Frequency (Hz)						
(lb)	Depth	Width	OS Height 25 Front-Back Side-Side		Front-Back Side-Side		Side-Side		Ver	tical		
220	15.43	36.93		53.9	8.5		7.1		2:	1.2		
		UUT Highe	st Passed	Seismic Run	Informa	ıtion						
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019	ICC-ES AC156 (2018)	2,00	1.0	1.5	2.2	2.4	1 67	0.67
	ICC-E2 MCT20 (SOTO)	2.5	0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:





The UUT was rigid floor mounted using four (4) 3/8" A307 bolts with washers.
Unit maintained structural integrity and remained functional per manufacturer requirement.
Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT 21

Manufacturer: Carrier Corporation

Model Line: 38MGQ

Model Number: 38MGQ18B - 3 **Serial Number:** 2316V12708

Product Construction Summary:

Carbon steel housing

Options/Subcomponent Summary:

			UUT Properties	N Z						
Weight		Dimension (in)		Low	y (Hz)					
(lb)	Depth	Width	OS Height 25	Front-Back	Side-Si	de	Vert	ical		
105.8	8 12.6 33.27		12.6 33.27 27.56 14.				11.3		>33	3.3
		UUT Highes	t Passed Seismic Run	Information						
Buildi	ng Code	Test Crite	eria S _{DS} (g)	z/h I _P	A _{FLX-H} (g) A _F	_{RIG-Н} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019	ICC-ES AC156 (2018)	2/2/90	1.0	1.5	2.7	2.4	1 67	0.67
	ICC-E2 WCT36/S0T6)	2.5	0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:





The UUT was rigid floor mounted using four (4) 3/8" lag screws with washers.

Unit maintained structural integrity and remained functional per manufacturer requirement.

Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT 22

Manufacturer: Carrier Corporation

Model Line: 38MGQ

Model Number: 38MGQ48E - 3 **Serial Number:** 3116V14026

Product Construction Summary:

Carbon steel housing

Options/Subcomponent Summary:

			UUT Properties	N.Z.		
Weight		Dimension (in)	Lowest	cy (Hz)	
(lb)	Depth	Width	OS Height 25	Front-Back	Side-Side	Vertical
227.7	15.43	36.9	53.9	9.5	6.4	>33.3
		UUT Highe	st Passed Seismic Run	Information		
		7////////		TVV VVIAVAL		

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Building Code	Test Criteria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019	ICC-ES AC156 (2018) / 1	2/2,00	1.0	1.5	2.2	2.4	1 67	0.67
CBC 2019	ICC-E3 AC136 (2016)/	2.5	0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:





The UUT was rigid floor mounted using four (4) 3/8" lag screws with washers. Unit maintained structural integrity and remained functional per manufacturer requirement. Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT 23

Manufacturer: Carrier Corporation

Model Line: 40MAQ

Model Number: 40MAQB09B-3 Serial Number: 2616V11354

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pr	operties		7				
Weight		Dimension (in)	Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OS Height 25		Front	Front-Back		-Side	Vertical	
19.18	7.8	32.87 11.0		1.02	WWW.WWW.N	I/A	N	/A	N	/A
		UUT Highes	st Passed S	eismic Run	Informa	tion				
Build	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019	ICC-ES AC15	a-1201-01/1	2/2,00	1.0	1.5	3.2	2.4	1.67	0.67
CBC	. 2019	ICC-ES ACIS	0 (2010)	2.5	0.0	1.5	3.2	2.4	1.07	0.67

Test Mounting Details:





The UUT was rigid wall mounted using fifteen (15) #10 sheet metal screws. Unit maintained structural integrity and remained functional per manufacturer requirement.

2000830-CR-001-R1



UUT 24

Manufacturer: Carrier Corporation

Model Line: 40MAQ

Model Number: 40MAQB36B-3 Serial Number: 3916V10089

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pr	operties		7							
Weight		Dimension (in)				Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OS Height 25		Front-Back		Side-Side		Vertical				
40.12	10.16	46.69	46.69 13.39		N/A		N	/A	N	/A			
		UUT Highes	t Passed Se	eismic Run	Informa	tion							
Buildi	ing Code	Test Crite	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)			
CDC	2019	ICC-ES AC156	72010/1	2,00	1.0	1.5	3.2	2.4	1.67	0.67			
CBC	2019	ICC-ES ACISC	HSOTO)	2.5	0.0	1.5	3.2	2.4	1.67	0.67			

Test Mounting Details:





The UUT was rigid wall mounted using fifteen (15) #10 sheet metal screws. Unit maintained structural integrity and remained functional per manufacturer requirement.

2000830-CR-001-R1



UUT 25

Manufacturer: Carrier Corporation

Model Line: 40MBQ

Model Number: 40MBQB09D - 3 **Serial Number:** 1915V41300

Product Construction Summary:

Carbon steel internal frame; carbon steel outer cover

Options/Subcomponent Summary:

Requires seismic enhancements: (6) #10 self-tapping screws in each mounting bracket (24 total)

			UUT Pro	operties		7				
Weight		Dimension (in		<u> </u>	Lowes	t Natural	Frequen	cy (Hz)		
(lb)	Depth	Width	ight 25	Front	-Back	Side	-Side	Vertical		
39.9	25 27.6			.3	MAMAAAAAAA N	/A	N	/A	N	/A
		UUT Highe	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019	ICC-ES AC15	G12016)/1	2/3/90	1.0	1.5	3.2	2.4	1.67	0.67
CBC	2019	ICC-ES ACIS	o (soro)	2.5	0.0	1.5	3.2	2.4	1.07	0.67

Test Mounting Details:





The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and four (4) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 26

Manufacturer: Carrier Corporation

Model Line: 40MBQ

Model Number: 40MBQB24D - 3 **Serial Number:** 2116V15495

Product Construction Summary:

Carbon steel internal frame; carbon steel outer cover

Options/Subcomponent Summary:

Requires seismic enhancements: (6) #10 self-tapping screws in each mounting bracket (24 total)

			UUT Pro	operties		Y.						
Weight			Lowest Natural Frequency (Hz)									
(lb)	Depth	Width	ight 25	Front	-Back	Side	-Side	Vertical				
57.3	25	25 36.2		0.6	MAMAMAMA N	/A	N	/A	N	/A		
		UUT Highe	st Passed Se	ismic Run	Informa	tion						
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CRC	2019	ICC-ES AC15	s (2010)/1	2/3/90	1.0	1.5	3.2	2.4	1.67	0.67		
CBC	2019	ICC-E3 ACIS	0/50TØ)	2.5	0.0	1.5	3.2	2.4	1.07	0.67		

Test Mounting Details:





The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and four (4) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 27

Manufacturer: Carrier Corporation

Model Line: 40MBQ

Model Number: 40MBQB09C - 3 Serial Number: 3116V12025

Product Construction Summary:

Carbon steel internal frame; plastic and carbon steel outer cover

Options/Subcomponent Summary:

					AMAMAM					
			UUT Pro	operties		7				
Weight		Dimension (in)	Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OSHe	OS Height 25		Front-Back		-Side	Vertical	
40.8	22.4 22.4			0.2	MAMAMAMAN N	/A	N	/A	N,	/A
		UUT Highes	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019	ICC ES ACIE	aradi 0 /1 °	2,00	1.0	1.5	2.2	2.4	1.67	0.67
CBC	2019	ICC-ES AC15	o (5018)	2.5	0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:





The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and four (4) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end. Future installations will require (8) perpendicular cable braces minimum to restrain against torsion.
Unit maintained structural integrity and remained functional per manufacturer requirement.
Contents were included in testing per operating conditions.

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UUT 28

Manufacturer: Carrier Corporation

Model Line: 40MBQ

Model Number: 40MBQB18C - 3 **Serial Number:** 2216V17296

Product Construction Summary:

Carbon steel internal frame; plastic and carbon steel outer cover

Options/Subcomponent Summary:

					AMAMAM					
			UUT Pro	operties		7				
Weight		Dimension (in)	Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OS Height 25		Front-Back		Side-Side		Vertical	
45.2	45.2 22.4 22.4			0.2	MAMAMAMA N	/A	N	/A	N,	/A
		UUT Highes	st Passed Se	ismic Run	Informa	tion				
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019	ICC ES ACIE	a 12 dt 6) / 1 °	2,00	1.0	1.5	2.2	2.4	1.67	0.67
CBC	2019	ICC-ES AC15	o (\$018)	2.5	0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:





The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and four (4) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end. Future installations will require (8) perpendicular cable braces minimum to restrain against torsion.
Unit maintained structural integrity and remained functional per manufacturer requirement.
Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT 29

Manufacturer: Carrier Corporation

Model Line: 40MBQ

Model Number: 40MBQB09F - 3 Serial Number: 1715V28949

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	operties		71						
Weight		Dimension (in)				Lowest Natural Frequency (Hz)						
(lb)	Depth	Width	ight 25	Front-Back Side-Side			-Side	Vertical				
32.4	32.4 23.6 27.6					/A	N	/A	N	/A		
		UUT Highe	st Passed Se	ismic Run	Informa	tion						
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CPC	2010	ICC ES AC1E	100 50 1015012012012011		1.0	1.5	3.2	2.4	1.67	0.67		
CBC	CBC 2019		ICC-ES AC156 (2018)		0.0	1.5	3.2	2.4	1.07	0.67		

Test Mounting Details:







The UUT was rigid wall mounted using eight (8) #10 sheet metal screws.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 30

Manufacturer: Carrier Corporation

Model Line: 40MBQ

Model Number: 40MBQB12F - 3 Serial Number: 1516V10082

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

					MAMA					
			UUT Pro	operties		7				
Weight		Dimension (in)	Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OSHe	ight 25	Front-Back		Side-Side		Vertical	
32.4	23.6	27.6		.3	MANAMAN N	/A	N	/A	N,	/A
		UUT Highes	st Passed Se	ismic Run	Informa	tion				
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2010	ICC-ES AC15	a / 2 of 1 of / 1 f	2,00	1.0	1.5	2.2	2.4	1.67	0.67
CBC	2019	ICC-ES ACIS		2.5	0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:







The UUT was rigid wall mounted using eight (8) #10 sheet metal screws.

 $\label{thm:continuous} Unit \ maintained \ structural \ integrity \ and \ remained \ functional \ per \ manufacturer \ requirement.$

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UUT 31

Manufacturer: Carrier Corporation

Model Line: MMY

Model Number: MMY-MAP0726HT9UL Serial Number: 62800002

Product Construction Summary:

Carbon steel housing

Options/Subcomponent Summary:

					ALL DESIGNATION OF THE PARTY OF							
			UUT Pro	operties		7						
Weight		Dimension (in))			Lowes	st Natural Frequency (Hz)					
(lb)	Depth	Width	OSHe	ight 25	Front	t-Back	Side	-Side	Ver	tical		
621	30.7	39	7.	2.8	8.3		11.5		>33.3			
		UUT Highes	st Passed Se	eismic Run	Informa	ition						
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CDC	2019	ICC-ES AC156	a (26) 6) /1 ·	2/2/90	1.0	1.5	3.2	2.4	1 67	0.67		
. (BC	7019	10 U-ES AU 156	n-(2018)/ .	. 77 / / / /			1 37	1 /4	I Ib/	1 0 b/		

Test Mounting Details:





The UUT was rigid floor mounted using four (4) 1/2" A307 bolts with washers.

Unit maintained structural integrity and remained functional per manufacturer requirement.

Contents were included in testing per operating conditions.

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UUT 32

Manufacturer: Carrier Corporation

Model Line: MMY

Model Number: MMY-MAP1686FT6UL Serial Number: 6280004

Product Construction Summary:

Carbon steel housing

Options/Subcomponent Summary:

			UUT Pro	operties		7						
Weight		Dimension (in)			Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OS Height 25		Front	Front-Back		Side-Side		Vertical		
875	30.7	63	72.9		7.0		14.4		>33.3			
		UUT Highes	t Passed Se	ismic Run	Informa	tion			-			
Build	ing Code	Test Crite	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CBC 2019		ICC-ES AC156 (2018)/1		2,00	1.0	1.5	2.2	2.4		0.67		
CBC	2019	ICC-ES AC156	HSOTR)	7/404	0.0	1.5	3.2	2.4	1.67	0.67		

Test Mounting Details:





The UUT was rigid floor mounted using eight (8) 1/2" A307 bolts with washers.
Unit maintained structural integrity and remained functional per manufacturer requirement.
Contents were included in testing per operating conditions.

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UUT 33

Manufacturer: Carrier Corporation

Model Line: MMK

Model Number: MMK-AP0073H2UL Serial Number: 62800002

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	operties		Z.						
Weight		Dimension (in			Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OS Height 25		Front-Back		Side-Side		Vertical			
33	9	41.3	12.6		WWW.WWW.N	/A	N/A		N/A			
		UUT Highe:	st Passed Se	ismic Run	Informa	tion						
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CBC 2019		ICC-ES AC156 (2018) / 1		2,90	1.0	1.5	3.2			0.67		
CBC	2019	ICC-ES ACIS	ο (Συτβ)	2.5	0.0	1.5	3.2	2.4	1.67	0.67		

Test Mounting Details:





The UUT was rigid wall mounted using nine (9) #10 sheet metal screws.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 34

Manufacturer: Carrier Corporation

Model Line: MMK

Model Number: MMK-AP0243H2UL Serial Number: 62600007

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	perties		71						
Weight		Dimension (in			Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OS Height 25		Front	Front-Back		Side-Side		Vertical		
33	9	41.3	12.6		//////////////////////////////////////	I/A	N/A		N/A			
		UUT Highe	st Passed Se	ismic Run	Informa	tion						
Build	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CBC 2019		ICC-ES AC156 (2018)/1		2,00	1.0	1.5	2.2	2.4	1.67	0.67		
CBC	. 2019	ICC-ES ACIS	o (\$018)	2.5	0.0	1.5	3.2	2.4	1.67	0.67		

Test Mounting Details:





The UUT was rigid wall mounted using nine (9) #10 sheet metal screws.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 35

Manufacturer: Carrier Corporation

Model Line: MMC

Model Number: MMC-AP0181H2UL Serial Number: 5092009

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	perties		71						
Weight		Dimension (in)		Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OS Height 25		Front-Back		Side-Side		Vertical			
46	26.8	35.8	8.3		MAMAAAAAA N	N/A		N/A		N/A		
	UUT Highest Passed Seismic Run Information											
Build	ing Code	Test Crit	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CBC 2019		ICC-ES AC156 (2018)/1		2,00	1.0	1.5	2.2	2.4		0.67		
CBC	. 2019	ICC-ES ACIS	ρ (Σ018)/ T	2.5	0.0	1.5	3.2	2.4	1.67	0.67		

Test Mounting Details:





The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and four (4) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 36

Manufacturer: Carrier Corporation

Model Line: MMC

Model Number: MMC-AP0421H2UL Serial Number: 60720009

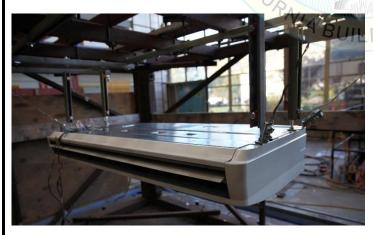
Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	perties		7						
Weight		Dimension (in	<u>) </u>		Lowest Natural Frequency (Hz)							
(lb)	(lb) Depth		OS Height 25		Front-Back		Side-Side		Vertical			
75	26.8	62.8	8.3		//////////////////////////////////////	/A	N/A		N/A			
		UUT Highe:	st Passed Se	ismic Run	Informa	tion						
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CBC 2019		ICC-ES AC156 (2018)/1		2,00	1.0	1.5	3.2			0.67		
CBC	2019	ICC-ES ACIS	0 (S018)	2.5	0.0	1.5	3.2	2.4	1.67	0.67		

Test Mounting Details:







The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and four (4) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 37

Manufacturer: Carrier Corporation

Model Line: MMD

Model Number: MMD-AP0074BH2UL Serial Number: 40680035

Product Construction Summary:

Carbon steel internal frame; carbon steel outer cover

Options/Subcomponent Summary:

					THAT THE TAX TO SEE T					
			UUT Pro	operties		71				
Weight		Dimension (in)				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	-Back	Side	-Side	Vert	tical
64	31.5	21.7	12	2.6	//////////////////////////////////////	/A	N	/A	N,	/A
		UUT Highes	st Passed Se	ismic Run	Informa	tion				
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019	ICC ES ACIE	aradi 0 /1 °	2.00	1.0	1.5	3.2	2.4	1.67	0.67
CBC	2019	ICC-ES AC15	o (5018)	2.5	0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:





The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and four (4) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 38

Manufacturer: Carrier Corporation

Model Line: MMD

Model Number: MMD-AP0484BH2UL Serial Number: 40680003

Product Construction Summary:

Carbon steel internal frame; carbon steel outer cover

Options/Subcomponent Summary:

			UUT Pro	operties		71				
Weight		Dimension (in)			Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OS Hei	ight 25	Front	-Back	Side	-Side	Ver	tical
119	31.5	53.2	12	2.6	MMMMM N	/A	N	/A	N	/A
		UUT Highe:	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019	ICC ES AC1E	a 1261 6) / 1 °	2,00	1.0	1.5	2.2	2.4	1.67	0.67
CBC	2019	ICC-ES AC15	ο (Συτβ)	2.5	0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:





The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and four (4) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 39

Manufacturer: Carrier Corporation

Model Line: RBM

Model Number: RBM-Y0383FUL Serial Number: 60880027

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

					THE PARTY OF THE P					
			UUT Pro	perties		71				
Weight		Dimension (in				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	t-Back	Side	-Side	Ver	tical
11	6	9.7	7	.5	//////////////////////////////////////	I/A	N	/A	N	/A
		UUT Highe:	st Passed Se	ismic Run	Informa	tion				
Build	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2010	ICC-ES AC15	a 12 dt 6) / 1 °	2,90	1.0	1.5	3.2	2.4	1.67	0.67
CBC	2019	ICC-ES ACIS	o (\$018)	2.5	0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:





The UUT was ceiling hung using two (2) 3/8" Ø A36 hanger rods w/ rod stiffeners and four (4) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 40

Manufacturer: Carrier Corporation

Model Line: RBM

Model Number: RBM-Y0963FUL Serial Number: 31180021

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	perties		7				
Weight		Dimension (in	<u>) </u>			Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	-Back	Side	-Side	Ver	tical
20	7.9	15.8	7	.9	//////////////////////////////////////	/A	N	/A	N	/A
		UUT Highe:	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019	ICC ES AC1E	a (2616) / 1 °	2,00	1.0	1.5	3.2	2.4	1.67	0.67
CBC	2019	ICC-ES AC15	0 (S018)	2.5	0.0	1.5	3.2	2.4	1.67	0.67

Test Mounting Details:





The UUT was ceiling hung using two (2) 3/8" Ø A36 hanger rods w/ rod stiffeners and four (4) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 41

Manufacturer: Carrier Corporation

Model Line: 40MBQ

Model Number: 40MBQB36D-3 Serial Number: 4215V51146

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

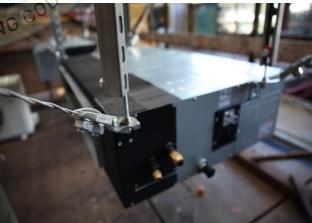
Options/Subcomponent Summary:

Requires seismic enhancements: (4) #10 self-tapping screws in each mounting bracket (16 total)

			UUT Pro	operties		7				
Weight		Dimension (in				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	-Back	Side	-Side	Ver	tical
77.2	34.1	47.2	1	1.8	MAMAAAAAAA N	/A	N	/A	N	/A
		UUT Highe	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CPC	2019	ICC-ES AC15	G12016)/1	2/3/90	1.0	1.5	3.2	2.4	1.67	0.67
CBC	2013	ICC-ES ACIS	o (soro)	2.5	0.0	1.5	3.2	2.4	1.07	0.67

Test Mounting Details:





The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and four (4) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement.

2000830-CR-001-R1



UUT 42

Manufacturer: Carrier Corporation

Model Line: 40MBQ

Model Number: 40MBQB48D-3 Serial Number: 4215V51146

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

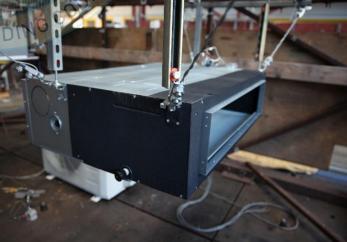
Options/Subcomponent Summary:

Requires seismic enhancements: (4) #10 self-tapping screws in each mounting bracket (16 total)

			UUT Pro	operties		7				
Weight		Dimension (in)				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	-Back	Side	-Side	Ver	tical
99.2	30.51	47.24	11	.81	MAAAAAAAAAA N	/A	N	/A	N	/A
		UUT Highes	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC 1	2010	ICC-ES AC15	G (2010) / 1 °	2/3/90	1.0	1.5	3.2	2.4	1.67	0.67
CBC 2	2019,	ICC-ES ACIS	0 (\$0TQ)	2.5	0.0	1.5	3.2	2.4	1.07	0.67

Test Mounting Details:





The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and four (4) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end.

Unit maintained structural integrity and remained functional per manufacturer requirement.

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UUT 43

Manufacturer: Carrier Corporation

Model Line: MBCQ

Model Number: 40MBCQ09---3 Serial Number: n/a

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	perties		7				
Weight		Dimension (in)		<u> </u>	Lowes	t Natural	Frequen	cy (Hz)		
(lb)	(lb) Depth Width OSH					Front-Back Side-Sid			e Vertical	
37.5	25.5	25.5	12	2.2	//////////////////////////////////////	/a	n	/a	n,	/a
		UUT Highes	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CRC	CBC 2019,		ICC-ES AC156 (2018)		1.0	1.5	3.20	2.40	1.67	0.67
CBC.	2019,	ICC-ES ACIS	O-(\$OTO)	2.5	0.0	1.5	3.20	2.40	1.07	0.07

Test Mounting Details:



The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners, square washers, and eight (8) 3/32" Ø diagonal cable braces w/ Mason SCB-0/SCBH-0 clips at each end.

¹Dimensions include plastic panel.

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UUT 44

Manufacturer: Carrier Corporation

Model Line: MBCQ

Model Number: 40MBCQ48---3 Serial Number: 3220V13311

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	perties		71				
Weight		Dimension (in)			Lowes	t Natural	Frequen	cy (Hz)		
(lb)	(lb) Depth Width OSHe					Front-Back Side-Side			Vertical	
77.5	37.4	37.4	13	3.5	WWW.WWn	/a	n,	/a	n,	/a
		UUT Highe	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	CBC 2019, ICC-ES AC156			2,00	1.0	1.5	3.20	2.40	1.67	0.67
CBC.	2019,	ICC-ES ACIS	ofśnīg)	2.5	0.0	1.5	3.20	2.40	1.67	0.67

WED FOR CODE COMP

Test Mounting Details:



The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners, square washers, and eight (8) 3/32" Ø diagonal cable braces w/ Mason SCB-0/SCBH-0 clips at each end.

¹Dimensions include plastic panel.

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UUT 45

Manufacturer: Carrier Corporation

Model Line: MBDQ

Model Number: 40MBDQ09-3 Serial Number: 1120V22510

Product Construction Summary:

Carbon steel internal frame; carbon steel outer cover

Options/Subcomponent Summary:

			UUT Pro	perties		7				
Weight		Dimension (in			Lowes	t Natural	Frequen	cy (Hz)		
(lb)	Depth	Width	OSRei	ight 25	Front	-Back	Side	-Side	Ver	tical
47	19.9	27.6	7	.9	www.yyyn	/a	n	/a	n,	/a
		UUT Highe	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC	2010	ICC-ES AC15	c (2010) / 1 '	2,90	1.0	1.5	3.20	2.40	1.67	0.67
CBC.	2019,	ICC-ES ACIS	o-(zoro)/	2.5	0.0	1.5	3.20	2.40	1.07	0.67

Test Mounting Details:



The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners, square washers, and four (4) 3/32" Ø diagonal cable braces w/ Mason SCB-0/SCBH-0 clips at each end. Two (2) 3/8" -1" zip screws added to each mounting bracket. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

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UUT 46

Manufacturer: Carrier Corporation

Model Line: MBDQ

Model Number: 40MBDQ58---3 Serial Number: n/a

Product Construction Summary:

Carbon steel internal frame; carbon steel outer cover

Options/Subcomponent Summary:

			UUT Pr	operties		7				
Weight		Dimension (in)			Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSR	eight 25	Front	-Back	Side	-Side	Ver	tical
182	33.8	55.1	1	1.8	////////////////n	/a	n	/a	n	/a
		UUT Highe	st Passed S	eismic Run	Informa	tion				
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CPC	2010	ICC-ES AC15	c (201 6) /1	2/2,00	1.0	1 5	3.20	2.40	1.67	0.67
CBC	2019,	ICC-ES ACIS	0 (5010)	725	0.0	/1.5	3.20	2.40	1.07	0.67

Test Mounting Details:





The UUT was ceiling hung using four (4) 1/2" Ø A36 hanger rods w/ rod stiffeners, square washers, and eight (8) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end. Four (4) 1/4" -1" zip screws added to each mounting bracket. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT 47

Manufacturer: Carrier Corporation

Model Line: MMU

Model Number: MMU-AP0074HPUL Serial Number: n/a

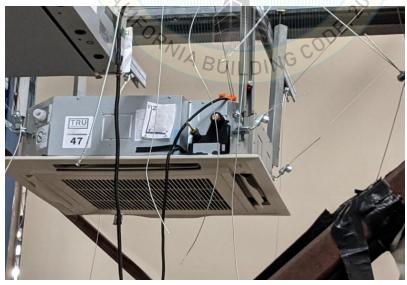
Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	operties		7				
Weight		Dimension (in))1			Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	t-Back	Side	-Side	Ver	tical
44	37.4	37.4	1	LO	///////////////////////n	/a	n	/a	n	/a
		UUT Highe	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2019,	ICC-ES AC15	6120101/1	2/2,00	1.0	1.5	3.20	2.40	1.67	0.67
CBC.	2019,	ICC-E3 ACIS	O-(SOTO)	2.5	0.0	1.5	3.20	2.40	1.07	0.67

Test Mounting Details:



The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and eight (8) 3/32" Ø diagonal cable braces w/ Mason SCB-0/SCBH-0 clips at each end.

¹Dimensions include plastic panel.

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UUT 48

Manufacturer: Carrier Corporation

Model Line: MMU

Model Number: MMU-AP0484HPUL Serial Number: n/a

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	perties		7				
Weight		Dimension (in)			Lowes	t Natural	Frequen	cy (Hz)		
(lb)	(lb) Depth Width OSH				25 Front-Back S			-Side	Vertical	
67	37.4	37.4	12	2.6	//////////////////////////////////////	/a	n	/a	n,	/a
		UUT Highes	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CPC	CBC 2019,		ICC-ES AC156 (2018) / 1 3-		1.0	1.5	3.20	2.40	1.67	0.67
CBC	2019,	ICC-ES ACIS	o (ŚOTØ)	2.5	0.0	1.5	3.20	2.40	1.07	0.67

WED FOR CODE COLLAD

Test Mounting Details:



The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and eight (8) 3/32" Ø diagonal cable braces w/ Mason SCB-0/SCBH-0 clips at each end.

¹Dimensions include plastic panel.

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UUT 49

Manufacturer: Carrier Corporation

Model Line: MMD

Model Number: MMD-AP0076BHPUL Serial Number: n/a

Product Construction Summary:

Carbon steel internal frame; carbon steel outer cover

Options/Subcomponent Summary:

			UUT Pr	operties		7				
Weight		Dimension (in)			Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	-Back	Side	-Side	Ver	tical
54	29.5	27.6	9	9.3	WWW.W.n	/a	n	/a	n	/a
		UUT Highe	st Passed S	eismic Run	Informa	tion				
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CPC	2019,	ICC-ES AC15	6 (2010) / 1	2/2,00	1.0	1.5	3.20	2.40	1.67	0.67
CBC	2019,	ICC-ES ACIS	O (SOTO)	2.5	0.0	1.5	3.20	2.40	1.07	0.67

WED FOR CODE COMPO

Test Mounting Details:



The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and eight (8) 3/32" Ø diagonal cable braces w/ Mason SCB-0/SCBH-0 clips at each end.

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UUT 50

Manufacturer: Carrier Corporation

Model Line: MMD

Model Number: MMD-AP0546BHPUL Serial Number: n/a

Product Construction Summary:

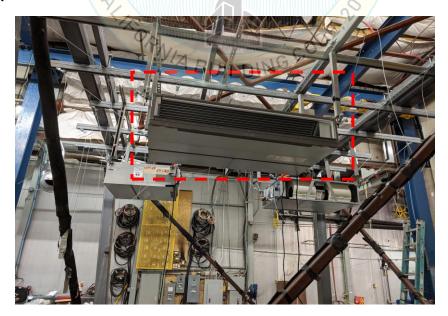
Carbon steel internal frame; carbon steel outer cover

Options/Subcomponent Summary:

			UUT Pro	perties		71				
Weight		Dimension (in)			Lowest	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OS Hei	ght 25	Front	-Back	Side	-Side	Ver	tical
90.5	29.5	55.1	9	.3	WWW.XXXXIII	/a	n	/a	n	/a
		UUT Highe	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC	2010	ICC-ES AC15	c (2010) /1 1	2,90	1.0	1.5	3.20	2.40	1.67	0.67
CBC.	2019,	ICC-ES ACIS	o-(śnió)/ I	2.5	0.0	1.5	3.20	2.40	1.07	0.67

WED FOR CODE COMP

Test Mounting Details:



The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and four (4) 3/32" Ø diagonal cable braces w/ Mason SCB-0/SCBH-0 clips at each end.

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UUT 51

Manufacturer: Carrier Corporation

Model Line: MMD

Model Number: MMD-AP0246HPUL Serial Number: n/a

Product Construction Summary:

Carbon steel internal frame; carbon steel outer cover

Options/Subcomponent Summary:

			UUT PI	roperties		TI				
Weight		Dimension (in)				Lowest	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSR	eight 25	Front	t-Back	Side	-Side	Vert	tical
76.5	29.5	39.3		1.7	//////////////////////////////////////	/a	n,	/a	n,	/a
		UUT Highes	st Passed S	eismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2010	ICC-ES AC15	crack 0 /1	2/2,00	1.0	1.5	3.20	2.40	1.67	0.67
CBC.	2019,	ICC-ES ACIS	0/(2018)/	2.5	0.0	1.5	3.20	2.40	1.67	0.67

Test Mounting Details:



The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and eight (8) 3/32" Ø diagonal cable braces w/ Mason SCB-0/SCBH-0 clips at each end.

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UUT 52

Manufacturer: Carrier Corporation

Model Line: MMD

Model Number: MMD-AP0966HPUL Serial Number: 200004

Product Construction Summary:

Carbon steel internal frame; carbon steel outer cover

Options/Subcomponent Summary:

			UUT Pro	operties		7				
Weight		Dimension (in)			Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHei	ight 25	Front	-Back	Side	-Side	Ver	tical
218.5	35.4	55.1	1	7.6	www.yyyn	/a	n	/a	n,	/a
		UUT Highe	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
Puilding Co	ode: CBC 2019	ICC-ES AC15	c (2010) /1 '	2/2,00	1.0	1.5	3.20	2.40	1.67	0.67
building Co	Jue. CDC 2019	ICC-ES ACIS	O/SOTO)	2.5	0.0	1.5	3.20	2.40	1.07	0.67

WED FOR CODE COMP

Test Mounting Details:



The UUT was ceiling hung using four (4) 1/2" Ø A36 hanger rods w/ rod stiffeners, square washers, and eight (8) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end. See additional mounting detail below.
Unit maintained structural integrity and remained functional per manufacturer requirement.
Contents were included in testing per operating conditions.

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UUT 52

Manufacturer: Carrier Corporation

Model Line: MMD

Model Number: MMD-AP0966HPUL Serial Number: 200004

Additional Mounting Details

Two parallel Unistrut pieces added to the top of the unit with four (4)1/2" grade 5 bolts with washers. These two pieces of Unistrut are referred to as horizontally mounted Unistrut below.



The hanging rod run through the ho<mark>rizont</mark>al Unistrut that has been attached to the top of the unit.



Horizontally mounted Unistrut

Hanging Rod

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UUT 53

Manufacturer: Carrier Corporation

Model Line: RMB

Model Number: RMB-Y0384FUL **Serial Number:** n/a

Product Construction Summary:

Carbon steel internal frame; carbon steel outer cover

Options/Subcomponent Summary:

			UUT Pr	operties		71				
Weight		Dimension (in)			Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	-Back	Side	-Side	Ver	tical
25	11.8	19.4		.1 (////////////////////////////////////	www.m	/a	n	/a	n	/a
		UUT Highe	st Passed S	eismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CPC	2019,	ICC-ES AC15	c (2010) / 1	2,90	1.0	1.5	3.20	2.40	1.67	0.67
CBC.	2019,	ICC-ES ACIS	OTSOTO)	2.5	0.0	1.5	3.20	2.40	1.07	0.67

Test Mounting Details:



The UUT was ceiling hung using three (3) 3/8" Ø A36 hanger rods w/ rod stiffeners and four (4) 3/32" Ø diagonal cable braces w/ Mason SCB-0/SCBH-0 clips at each end. Unit had two mounting brackets on one side and only a single bracket in the center on the opposite.

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Manufacturer: Carrier Corporation

Model Line: RBM - Branch Selector

UUT 55

Model Number: RBM-Y0611F4PUL Serial Number: 92600018

Product Construction Summary:

Carbon steel internal frame; carbon steel outer cover

Options/Subcomponent Summary:

			UUT Pro	operties		7				
Weight		Dimension (in)			Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSRe	ight 25	Front	-Back	Side	-Side	Ver	tical
83.5	22.4	28.8	8	3.5	WWW.WWn	/a	n,	/a	n,	/a
		UUT Highe	st Passed Se	eismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC	2010	ICC-ES AC15	6 (2019) / 1	2/2,00	1.0	1.5	3.20	2.40	1.67	0.67
CBC	2019,	ICC-E3 ACIS	OTSOIO	2.5	0.0	1.5	3.20	2.40	1.07	0.67

Test Mounting Details:



The UUT was ceiling hung using four (4) 3/8" Ø A36 hanger rods w/ rod stiffeners and eight (8) 3/32" Ø diagonal cable braces w/ Mason SCB-0/SCBH-0 clips at each end. Two (2) 3/8" -1" zip screws added to each mounting bracket.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

2000830-CR-001-R1



UUT 56

Manufacturer:Carrier CorporationModel Line:RBM-Branch Selector

RBM-Y0611F6PUL

Serial Number: 2800041

Product Construction Summary:

Model Number:

Carbon steel internal frame; carbon steel outer cover

Options/Subcomponent Summary:

			UUT Pr	operties		7				
Weight		Dimension (in)				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	-Back	Side	-Side	Ver	tical
117	22.4	41.4	8	3.5	WWW.WW.n	/a	n,	/a	n	/a
		UUT Highes	t Passed Se	eismic Run	Informa	tion			,	
Buildi	ing Code	Test Crite	ria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CPC	2010	ICC-ES AC156	tant 0 /1	2/3,90	1.0	1.5	3.20	2.40	1.67	0.67
CBC	2019,	ICC-ES ACISO	(5010)	2.5	0.0	1.5	3.20	2.40	1.07	0.67

Test Mounting Details:





The UUT was ceiling hung using four (4) 1/2" Ø A36 hanger rods w/ rod stiffeners and four (4) 1/8" Ø diagonal cable braces w/ Mason SCB-1/SCBH-1 clips at each end. Three (3) 1/4" Grade 5 bolts with washer and nuts added to each mounting bracket. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

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UUT 57

Manufacturer: Carrier Corporation

Model Line: MBFQ

Model Number: 40MBFQ12---3 **Serial Number:** n/a

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT PI	roperties		7				
Weight		Dimension (in)				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSR	eight 25	Front	t-Back	Side	-Side	Ver	tical
32.5	8.3	27.7	2	23.6	WWW.XXXX	/a	n	/a	n	/a
		UUT Highes	t Passed S	eismic Run	Informa	tion			,	
Buildi	ng Code	Test Crite	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2010	ICC-ES AC156	T2010/1	2/2,00	1.0	1 5	3.20	2.40	1.67	0.67
CBC	2019,	ICC-ES ACISC	ZYOTO)	2.5	0.0	1.5	3.20	2.40	1.67	0.67

Test Mounting Details:



Unit wall mounted-rigid with four (4) #8 wood screws. Mounting plated attached to fixture, unit snaps onto mounting plate. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT 58

Manufacturer: Carrier Corporation

Model Line: MBFQ

Model Number: 40MBFQ58---3 **Serial Number:** 3820V12461

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	operties		71				
Weight		Dimension (in)			Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 25	Front	-Back	Side	-Side	Ver	tical
97.5	9.25	65.0	20	6.6	www.m	/a	n	/a	n,	/a
		UUT Highe	st Passed Se	eismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC	2010	ICC-ES AC15	c (2010) / 1	2,90	1.0	1.5	3.20	2.40	1.67	0.67
CBC.	2019,	ICC-ES ACIS	o/\znrg)\	2.5	0.0	1.5	3.20	2.40	1.07	0.67

Test Mounting Details:



Unit wall mounted-rigid with four (4) 3/8" lag bolts with wash and nut.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT 59

Manufacturer: Carrier Corporation

Model Line: MARB

Model Number: 38MARBQ12AA101 Serial Number: 4920V1443

Product Construction Summary:

Carbon steel

Options/Subcomponent Summary:

			UUT PI	roperties		TI				
Weight		Dimension (in)		1	Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSR	eight 25	Front	t-Back	Side	-Side	Ver	tical
65	13.0	31.7	1	1.8	W.W.W.W.W.Y.	5.9	12	2.1	31	L.3
		UUT Highe:	st Passed S	eismic Run	Informa	tion			,	
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2010	ICC ES AC1E	c to of 0 / 1	2/2,00	1.0					
CBC	2019,	ICC-ES AC15	0 (2018)/	25	0.0	1.5	3.20	2.40	1.67	0.67

Test Mounting Details:



UUT base mounted-rigid with four (4) 3/8" Grade 8 Bolts with washers and rubber pads provided by manufacturer. Bolts torqued to 15ft-lbs.

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UUT 60

Manufacturer: Carrier Corporation

Model Line: MARB

Model Number: 38MARBQ36AA301 Serial Number: 4920V1444

Product Construction Summary:

Carbon steel

Options/Subcomponent Summary:

					MANAMAN					
			UUT P	roperties		7				
Weight		Dimension (in)			Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSR	eight 25	Front	t-Back	Side	-Side	Ver	tical
142	16.1	37.2	111111111111111111111111111111111111111	31.9	///////////////////// 7	. .4	7	.6	26	6.8
		UUT Highe	st Passed S	eismic Run	Informa	tion				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2010	ICC-ES AC15	ດ (ລດ (ຄ) / 1	2/2,00	1.0	1.5	3.20	2.40	1.67	0.67
CBC	2019,	ICC-ES AC15	0 (2018)/	755	0.0	1.5	3.20	2.40	1.67	0.67

Test Mounting Details:



UUT base mounted-rigid with four (4) 3/8" Grade 8 Bolts with washers and rubber pads provided by manufacturer. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

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UUT 61

Manufacturer: Carrier Corporation

Model Line: MBRBQ

Model Number: 38MBRBQ36AA301 Serial Number: 2920V11625

Product Construction Summary:

Carbon steel

Options/Subcomponent Summary:

U	JUI	Pi	оре	rties

Weight		Dimension (in)	Lowest	Natural Frequen	icy (Hz)
(lb)	Depth	Width	OS Height 25	Front-Back	Side-Side	Vertical
155	16.1	37.2	31.9	8.5	12.5	28.8
155	16.1	37.2		8.5	12.5	L

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019,	ICC-ES AC156 (2018) / 1	2,00	1.0	1 5	3.20	2.40	1 67	0.67
CBC 2019,	ICC-E2 AC120(5016)/ 1	2.5	0.0	1.5	3.20	2.40	1.67	0.67

Test Mounting Details:



UUT base mounted-rigid with four (4) 3/8" Grade 8 bolts with washers and rubber pads provided by manufacturer. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT 62

Manufacturer: Carrier Corporation

Model Line: MBRBQ

Model Number: 38MBRBQ48AA3 Serial Number: 2720V11345

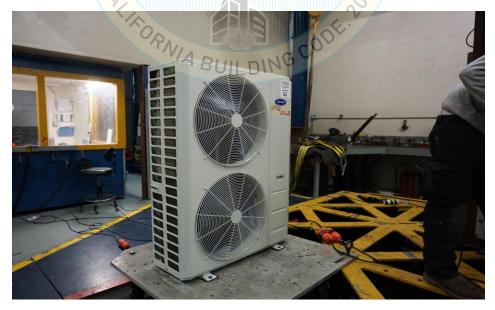
Product Construction Summary:

Carbon steel

Options/Subcomponent Summary:

			UUT Pr	operties		7						
Weight		Dimension (in)		Lowest Natural Frequency (Hz)							
(lb)	(lb) Depth Width Sheight				Front	-Back	Side	-Side	Vertical			
216	16.3	37.5	5	2.5	////////6	.2	9.1		31.4			
		UUT Highe	st Passed S	eismic Run	Informa	tion						
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	g) A _{RIG-H} (g	g) A _{FLX-V} (g)	A _{RIG-V} (g)		
CBC	CBC 2019,		ICC-ES AC156 (2018)		1.0	1.5	3.20	2.40	1.67	0.67		

Test Mounting Details:



UUT base mounted-rigid with four (4) 3/8" Grade 8 bolts with washers and rubber pads provided by manufacturer. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

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UUT 63

Manufacturer: Carrier Corporation

Model Line: MCY-MAP

Model Number: MCY-MAP0607HS-UL Serial Number: 006E0037

Product Construction Summary:

Carbon steel

Options/Subcomponent Summary:

			UUT Pro	operties		TI				
Weight		Dimension (in)	Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	Vidth OS Height 25			-Back	Side-Side		Vertical	
310.5	310.5 17.4 39.8		39.8 61				15	.07	28	.35
		UUT Highes	st Passed Se	ismic Run	Informa	tion				
Buildi	ng Code	Test Criteria		S _{DS} (g)	z/h I _P		A _{FLX-H} (g) A _{RIG-H} (g)		A _{FLX-V} (g)	A _{RIG-V} (g)
CBC	CBC 2019,		ICC-ES AC156 (2018)		1.0	1.5	3.20	2.40	1.67	0.67

WED FOR CODE COMPS,

Test Mounting Details:



UUT base mounted-rigid with four (4) 3/8" Grade 8 bolts with washers.

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UUT 64a

Manufacturer: Carrier Corporation

Model Line: 40QQ

Model Number: 40QQ-036ABA3A0A0 **Serial Number:** 4420C88680

Product Construction Summary:

Formed carbon steel construction.

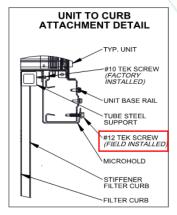
Options/Subcomponent Summary:

DX-PMV Kit (PN: RBM-A0121GUL), Brach Selector(PN:RBM-Y0384-FUL)

			UUT P	roperties		71					
Weight Dimension (in) Lowest Natural Frequency (Hz)											
(lb)	Depth	eight 25	Front	-Back	Side	-Side	e Vertical				
359	46.6	74.4 33.4			////////9 .	91	21.72		11.82		
		UUT Highe	st Passed S	eismic Run	Informa	tion					
Buildi	ng Code	Test Criteria		S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g	
CDC 2010) IDC 2019	ICC EC AC1EC (2010) / 1		2/2,00	1.0	1.5	3.20	2.40	1.67	0.67	
CBC 2015	9, IBC 2018	ICC-ES AC156 (2018) / 1 3 5		0.0	1.5	3.20	2.40	1.67	0.67		

LED FOR CODE COMP.

Test Mounting Details:



Three brackets on each long side Four (4) #12 screws used in each bracket.



MicroMetl rigid filter curb, 40"tall (PN:W537-FLT-12-SA-CBC) mounted to the table with twelve (12) 1/2" Grade 8 bolts with washers. Unit mounted to curb with twenty-four (24) #12x1-1/2" screws.

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UUT 64b

Manufacturer: Carrier Corporation

Model Line: 40QQ

Model Number: 40QQ-036ABA3A0A0 Serial Number: 4420C88680

Product Construction Summary:

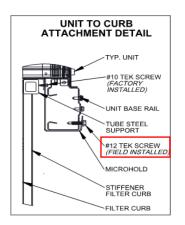
Formed carbon steel construction.

Options/Subcomponent Summary:

DX PMV Kit (PN: RBM-A0961GUL), DX Controller (PN: TCB-IFDA1-GUL), Brach Selector(PN:RBM-Y0384-FUL)

					AUMANIA							
			UUT Pr	operties		7						
Weight		Dimension (in)	Lowest Natural Frequency (Hz)								
(lb)	ight 25	Front-Back		Side	-Side	Ver	tical					
359 46.6 74.4			3:	3.4	/////////9.	91	21.72		11.82			
		UUT Highe	st Passed Se	ismic Run	Informa	tion						
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CPC 2010	9, IBC 2018	ICC-ES AC15	6120101/1	2/2,00	1.0	1.5	3.20	2.40	1.67	0.67		
CBC 2013	3, IDC 2018	ICC-ES ACIS	O (SOTO)	2.5	0.0	1.5	3.20	2.40	1.07	0.67		

Test Mounting Details:



Three brackets on each long side Four (4) #12 screws used in each bracket.



MicroMetl rigid filter curb, 40"tall (PN:W537-FLT-12-SA-CBC) mounted to the table with twelve (12) 1/2" Grade 8 bolts with washers. Unit mounted to curb with twenty-four (24) #12x1-1/2" screws.

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UUT 65a

Manufacturer: Carrier Corporation

Model Line: 40QQ

Model Number: 40QQ-060ABA6A0A0 **Serial Number:** 1320C86727

Product Construction Summary:

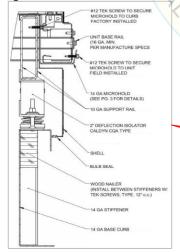
Formed carbon steel construction.

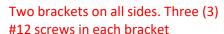
Options/Subcomponent Summary:

Electric Heat (PN: CRHEATER337A00), DX PMV Kit (PN: RBM-A0961GUL), DX Controller (PN: TCB-IFDA1-GUL), Branch Selector (PN: RBM-Y0383FUL)

			UUT Pr	operties		V.				
Weight		Dimension (in)		cy (Hz)					
(lb)	ight 25	Front-Back		Side-Side		Ver	tical			
425 46.6 74.4			4	1.4	4.	.54	6.	31	8.04	
		UUT Highe	st Passed S	eismic Run	Informa	tion				
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CPC 2010	9, IBC 2018	ICC-ES AC15	c (2010)/1	2/2,00	1.0	1.5	3.20			0.67
CBC 2013	9, IBC 2016	ICC-ES ACIS	0 (5010)	2.5	0.0	1.5	3.20	2.40	1.67	0.67

Test Mounting Details:







MicroMetl isolator curb 34" tall (PN:CRBV-SRT12GA-2412-P20) mounted to the table with twelve (12) 1/2" Grade 8 bolts with washers. Unit mounted to curb with twenty-four (24) #12x1-1/2" screws.

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UUT 65b

Manufacturer: Carrier Corporation

Model Line: 40QQ

Model Number: 40QQ-060ABA6A0A0 Serial Number: 1320C86727

Product Construction Summary:

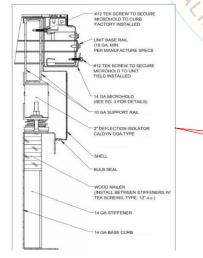
Formed carbon steel construction.

Options/Subcomponent Summary:

DX-PMV Kit (PN: RBM-A0121GUL)L, Branch Selector (PN: RBM-Y0383FUL)

			UUT P	roperties		7						
Weight		Dimension (in		Lowest Natural Frequency (Hz)								
(lb)	Depth	eight 25	Front-Back Side-Side			-Side	Vertical					
425	425 46.6 74.4			41.4	4.	.54	6.	31	8.	04		
		UUT Highe:	st Passed :	Seismic Run	Informa	ition						
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CBC 2019	9, IBC 2018	ICC-ES AC15	6 (2018)	3/202	1.0	1.5	3.20	2.40	1.67	0.67		

Test Mounting Details:



Two brackets on all sides. Three (3) #12 screws in each bracket



MicroMetl isolator curb 34" tall (PN:CRBV-SRT12GA-2412-P20) mounted to the table with twelve (12) 1/2" Grade 8 bolts with washers. Unit mounted to curb with twenty-four (24) #12x1-1/2" screws.

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UUT 66

Manufacturer: Carrier Corporation

Model Line: MMD

MMD-AP0120VVHG2UL Serial Number: 003R3955

Product Construction Summary:

Carbon steel

Model Number:

Options/Subcomponent Summary:

UUT Properties

Weight		Dimension (in)	Lowest Natural Frequency (Hz)					
(lb)	Depth	Width	OS Height 25	Front-Back	Side-Side	Vertical			
124.5	22.3	17.7	46.9	13.5	22.3	>33.3			
		- WWW.		VVXXXXVV					

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019,	ICC-ES AC156 (2018)	2,00	1.0	1 5	3.20	2.40	1 67	0.67
CBC 2019,	ICC-E2 MC120/5010)/	2.5	0.0	1.5	3.20	2.40	1.67	0.67

Test Mounting Details:





UUT base mounted - rigid with 2" x 2" (both vertical and horizontal legs) by 1/4" thick carbon steel angles with six (6) 3/8" grade 8 bolt and 1" x 1" carbon steel washer. Two angles each used on rear and sides only. Front side does not have mounting angles. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

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UUT 67

Manufacturer: Carrier Corporation

Model Line: MMD

MMD-AP0600VHG2UL Serial Number: 011R4959

Product Construction Summary:

Carbon steel

Model Number:

Options/Subcomponent Summary:

			UUT P	roperties		7						
Weight	Weight Dimension (in) Lowest Natural Frequency (Hz)											
(lb)	Depth	Width	eight 25	Front-Back Side-Side			-Side	Vertical				
227 31.3 24.2				57.9	8.9		19).7	12	2.6		
		UUT Highes	st Passed S	Seismic Run	Informa	ition						
Buildi	ing Code	Test Crite	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CDC	CPC 2010		1101 N / 1	2/2,00	1.0	1 -	2.20		1.67	0.67		
CBC	CBC 2019, ICC-ES AC1		0[[2018]]	2.5	0.0	1.5	3.20	2.40	1.67	0.67		

Test Mounting Details:





UUT base mounted - rigid with 2" x 2" (both vertical and horizontal legs) by 1/4" thick carbon steel angles with six (6) 3/8" grade 8 bolt and 1" x 1" carbon steel washer. Two angles each used on rear and sides only. Front side does not have mounting angles. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

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UUT 68

Manufacturer: Carrier Corporation

Model Line: MAHB

Model Number: 40MAHBQ12XA1 Serial Number: 4920V1441

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

					ANNIHAM TO THE PARTY OF THE PAR						
			UUT Pr	roperties		7					
Weight		Dimension (in)		Lowest Natural Frequency (Hz)						
(lb)	Depth	OSH	eight 25	Front	t-Back	Side	-Side	Ver	tical		
24	24 8.9 31		31.3 11.6			ı/a	n,	/a	n,	/a	
		UUT Highe	st Passed S	eismic Run	Informa	ition					
Build	ing Code	Test Criteria		S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
CBC	2019,	ICC-ES AC15	ICC ES AC1EC (2010) / 1		1.0	1.5	3.20		1.67	0.67	
CDC	2013,	ICC-ES AC156 (2018)		1/55-1	0.0		3.20	2.40	1.07	0.07	

Test Mounting Details:



Unit wall mounted-rigid with four (4) #8 wood screws. See mounting plate in photo above for mounting screw locations. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

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UUT 69

Manufacturer: Carrier Corporation

Model Line: RBM

Model Number: 40MAHBQ36XA3 Serial Number: 4920V14442

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pro	operties		7				
Weight		Dimension (in	Lowest Natural Frequency (Hz)							
(lb)	Depth	epth Width OS Height 25 Fro		Front-Back		Side-Side		Vertical		
47.5	10.8	44.9	14	14.6		/a	n	/a	n/a	
		UUT Highe:	st Passed Se	ismic Run	Informa	tion			,	
Buildi	ing Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019,		ICC ES AC15	ISC ES ASSES (2010) / 1 1		1.0	1.5	3.20			0.67
CBC	2019,	ICC-ES AC156 (2018)		2.5	0.0	1.5	3.20	2.40	1.67	0.67

WED FOR CODE COMPS,

Test Mounting Details:





Unit wall mounted-rigid with five (5) #8 wood screws. See mounting plate in photo above for mounting screw locations. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

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UUT 70

Manufacturer: Carrier Corporation

Model Line: MMK

Model Number: MMK-AP0077HPUL Serial Number: n/a

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

U	U	T	P	r	ρ	e	rt	ie	S

Weight		Dimension (in		Lowest Natural Frequency (Hz)				
(lb)	Depth	Width	OS Height 25	Front-Back	Side-Side	Vertical		
24	9.1	31.5	11.6	n/a	n/a	n/a		
				YVVAXXY		1		

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019,	ICC ES AC1EG (2019) / 1	2/2,00	1.0	1 5	2.20	2.40	1.67	0.67
	ICC-ES AC156 (2018)	2.5	0.0	1.5	3.20	2.40	1.67	0.67

Test Mounting Details:







Unit wall mounted-rigid with five (5) #8 wood screws. Two (2) #8 zip screws add to the plastic housing on top and bottom to secure the unit to the wall for seismic installations. Locations shown in images above.

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UUT 71

Manufacturer: Carrier Corporation

Model Line: MMK

Model Number: MMK-AP0247HPUL Serial Number: n/a

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

		UUT Properties	T,				
	Dimension (in)		Lowest Natural Frequency (Hz)				
Depth	Width	OS Height 25	Front-Back	Side-Side	Vertical		
9.9	41.4	12.6	/////n/a	n/a	n/a		
	UUT Highes	t Passed Seismic Run	Information				
	-1	Depth Width 9.9 41.4	Dimension (in) Depth Width Sheight 25 9.9 41.4 12.6	Dimension (in) Lowest Depth Width Height 25 Front-Back	Dimension (in) Depth Width Height 25 Front-Back 9.9 41.4 12.6 n/a n/a		

WED FOR CODE COMPS,

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019,	ICC ES AC1EC (2019)	2,90	1.0	1 5	3.20	2.40	1.67	0.67
	ICC-ES AC156 (2018)	2.5	0.0	1.5	3.20	2.40		0.67

Test Mounting Details:





Unit wall mounted-rigid with five (5) #8 wood screws. Two (2) #8 zip screws add to the plastic housing on top and bottom to secure the unit to the wall for seismic installations. Locations shown in images above.

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UUT 72

Manufacturer: Carrier Corporation

Model Line: VMW

Model Number: 40VMW030--3 **Serial Number:** n/a

Product Construction Summary:

Carbon steel internal frame; plastic outer cover

Options/Subcomponent Summary:

			UUT Pr	operties		T						
Weight		Dimension (in)				Lowest Natural Frequency (Hz)						
(lb)	Depth	Width	OS Height 25		Front-Back		Side-Side		Vertical			
38	10	47	1	13.5		n/a		/a	n/a			
		UUT Highes	t Passed S	eismic Run	Informa	ition						
Build	ing Code	Test Crite	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CBC 2019,		ICC-ES AC156 (2018) / 1		3/202	1.0	1.5	3.20	2.40	1.67	0.67		

WED FOR CODE COMPS,

Test Mounting Details:





Two screws on top of unit, left screw not shown in image.

UUT wall mounted rigid with five (5) #8 wood screws. Two (2) #8 zip screws on top and bottom. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

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UUT 73

Manufacturer: Carrier Corporation

Model Line: VMA

Model Number: 38VMA144HDS **Serial Number:** n/a

Product Construction Summary:

Carbon steel

Options/Subcomponent Summary:

UUT Properties	S
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Weight		Dimension (in)	Lowest Natural Frequency (Hz)				
(lb)	Depth Width OSH		OS Height 25	Front-Back	Side-Side	Vertical		
781.5	31.1	53.8	64.3	7.84	11.64	9.20		

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019,	ICC ES AC1EG (2019) / 1	2/2,00	1.0	1 5	2.20	2.40	1.67	0.67
	ICC-ES AC156 (2018)	2.5	0.0	1.5	3.20	2.40	1.67	0.67

Test Mounting Details:



UUT base mounted rigid with four (4) 1/2" Grade 5 bolts with washer.

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UUT 74

Manufacturer: Carrier Corporation

Model Line: PEBH

Model Number: PEBH-SRT12CA-D2DH-4AY Serial Number: N/A

Product Construction Summary:

Carbon steel construction.

Options/Subcomponent Summary:

				THE PROPERTY OF THE PROPERTY O						
			UUT P	roperties		7				
Weight		Dimension (in	Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OSR	OS Height 25		Front-Back		-Side	Vertical	
117.5	20.63	24.25	2	20.44		.36	1.	35	8.	84
		UUT Highe:	st Passed S	Seismic Run	Informa	tion				
Buildi	ing Code	Test Criteria		S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC	2010	ICC ES AC1E	ICC-ES AC156 (2018) / 1 (1.0	1 5	2 20	2.40	1.67	0.67
CBC.	2019,	ICC-ES AC15	0 (5018)	0/202	0.0	1.5	3.20	2.40	1.67	0.67

Test Mounting Details:







Two (2) MicroMetl legs (PN: MP-1908-049) each attached to the front of the unit with two (2) #12 self tappers. Each leg was attached to the shake table with two (2) 1/4" Grade 8 bolts with washers. Test unit attached to sheet metal on the wall fixture with twelve (12) #12 self tappers, three (3) on each side of the unit.

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UUT 75

Manufacturer: Carrier Corporation

Model Line: PEBH

Model Number: PEBH-SRT12CA-D2DH-4AY Serial Number: n/a

Product Construction Summary:

Formed carbon steel construction.

Options/Subcomponent Summary:

			UUT P	roperties		V.				
Weight		Dimension (in)	Lowest Natural Frequency (Hz)							
(lb)	Depth	Width OS Height 25			Front-Back		Side-Side		Vertical	
117.5	20.63	24.25	2	0.44	8.	.76	17	.14	24.33	
		UUT Highe:	st Passed S	Seismic Run	Informa	tion				
Buildi	ng Code	Test Criteria		S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019,		ICC-ES AC15	stant 0 /1	2/2,00	1.0		3.20		1.67	0.67
CBC	2019,	ICC-ES ACIS	0/5010)	2.5	0.0	1.5	3.20	2.40	1.07	0.67

Test Mounting Details:







Two (2) MicroMetl legs (PN: MP-1908-049) each attached to the front of the unit with two (2) #12 self tappers. Each leg was attached to the shake table with two (2) 1/4" Grade 8 bolts with washers. Test unit attached to sheet metal on the wall fixture with twelve (12) #12 self tappers, three (3) on each side of the unit.

2000830-CR-001-R1



UUT 76

Manufacturer: Carrier Corporation

Model Line: 48FC

Model Number:

Product Construction Summary:

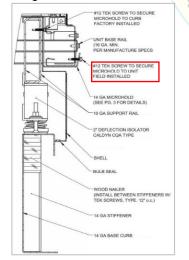
Formed carbon steel construction.

Options/Subcomponent Summary:

Micrometl Economizer & Power Exhaust (PECD-SRT12CA-D2DH-4L1), Scroll Compressor (ZPS60K5E-TFD-130), Gas Heat(48TC002699), Condenser Coils (Custom-Cu/Cu), Evaporator Coil (Custom-Cu/Cu), Humidifier Coil (Custom-Cu/Cu), Solenoid Valve (EF23VS130, EF23VS183), TEV (BBIZE-6-GA-B5), Controls (48TCFSRBDZ-A00), Condenser Fan (48TC003644), Condenser Fan Motor (5KCP39HGWG04s), Evaporator Fan (48TC001693), Evaporator Fan Motor (M3G112-EA90-G5), SA Smoke Detector (HK50ZT001), Louvered Hail Guard (CRLVHLGD049A00)

			UUT Pr	operties		7						
Weight		Dimension (in)				Lowest Natural Frequency (Hz)						
(lb)	Depth	Width	OS Height 25		Front	t-Back	Side-Side		Vertical			
569	46.6	74.4	41.4		3.	.15	4.95		>33.3			
	UUT Highest Passed Seismic Run Information											
Building Code		Test Criteria		S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CBC 2019,		ICC-ES AC156 (2018) / 1		2/2,90	1.0	1.5	3.20	2.40	1.67	0.67		
				2.5	0.0							

Test Mounting Details:



Two brackets on all sides. Three (3) #12 screws in each bracket



MicroMetl isolator curb 34" tall (PN:CRBV-SRT12GA-2412-P20) mounted to the table with twelve (12) 1/2" Grade 8 bolts with washers. Unit mounted to curb with twenty-four (24) #12x1-1/2" screws. Weight does not include power exhaust. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT 77

Manufacturer: Carrier Corporation

Model Line: 48GC

Model Number: 48GCLN06M3R6A2A0D0 Serial Number: 4920C85974

Product Construction Summary:

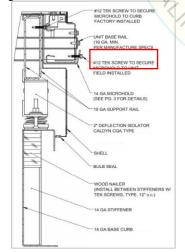
Formed carbon steel construction.

Options/Subcomponent Summary:

Micrometl Economizer & Power Exhaust (PEBD-SRT12CA-D0DB-4AY-4), Scroll Compressor (ZPS49K5E-TFD-130), Gas Heat(48TC003555), Condenser Coils (Custom-Cu/Cu), Evaporator Coil (Custom-Cu/Cu), Solenoid Valve (EF23VS186, EF23VS183), TEV (Danfoss-068L1263), Reamer Valve (99CC405124), Controls (48TCFSRADR-A00), Condenser Fan (48TC003644), Condenser Fan Motor (5KCP39LGWF92S), Evaporator Fan (48TC001693), Evaporator Fan Motor (M3G084-GF01-V9), SA Smoke Detector (HK50ZT001), Louvered Hail Guard (CRLVHLGD049A00)

			UUT Pro	operties		71					
Weight		Dimension (in)			Lowest Natural Frequency (Hz)						
(lb)	Depth	Width	OS Height 25		Front	-Back	Side	Side-Side		Vertical	
754	46.6	74.4 41		1.4	3.	07	4.50		6.17		
		UUT Highe	st Passed Se	eismic Run	Informa	tion					
Buildi	Building Code		Test Criteria		z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
CBC 2019,		ICC-ES AC156 (2018) / 1		2/2,00	1.0	1.5	3.20	2.40	1.67	0.67	
CDC 2	2019,	ICC-L3 AC136 (2016)		2.5	0.0	1.5	3.20	2.40	1.67	0.67	

Test Mounting Details:



Two brackets on all sides. Three (3) #12 screws in each bracket



MicroMetl isolator curb 34" tall (PN:CRBV-SRT12GA-2412-P20) mounted to the table with twelve (12) 1/2" Grade 8 bolts with washers. Unit mounted to curb with twenty-four (24) #12x1-1/2" screws. Weight does not include power exhaust. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

2000830-CR-001-R1



UUT 78

Manufacturer: Carrier Corporation

Model Line: 48GC

Model Number: 48GCL04ALF5A0A0F0 Serial Number: 4920C85843

Product Construction Summary:

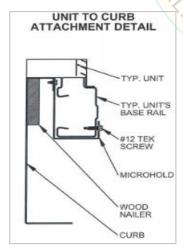
Formed carbon steel construction.

Options/Subcomponent Summary:

Micrometl Economizer & Power Exhaust (PEBD-SRT12CA-D2DH-2AY), Scroll Compressor (ZPS49K5E-TFD-130), Gas Heat(48TC003555), Condenser Coils (Custom-Cu/Cu), Evaporator Coil (Custom-Cu/Cu), Solenoid Valve (EF23VS186, EF23VS183), TEV (Danfoss-068L1263), Reamer Valve (99CC405124), Controls (48TCFSRBDH-A00), Condenser Fan (48TC003644), Condenser Fan Motor (5KCP39LGWF92S), Evaporator Fan (48TC001693), Evaporator Fan Motor (M3G084-GF01-V9), SA Smoke Detector (HK50ZT001), Louvered Hail Guard (CRLVHLGD049A00)

			UUT Pro	perties		71					
Weight	Dimension (in)				Lowest Natural Frequency (Hz)						
(lb)	Depth	Width	OS Height 25		Front-Back		Side-Side		Vertical		
624	46.6	74.4		3.4	>33.3		9.08		9.42		
		UUT Highe	st Passed Se	ismic Run	Informa	tion					
Buildi	ng Code	Test Criteria		S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)	
CBC 2019,		ICC-ES AC156 (2018) / 1		2,00	1.0	1.5	3.20	2.40	1.67	0.67	
				2.5	0.0	1.5					

Test Mounting Details:



Two brackets on long side of the unit. Four (4) #12 screws in each bracket



MicroMetl rigid curb 24" tall (PN:CRBW-SRT12GA-2411) mounted to the table with twelve (12) 1/2" Grade 8 bolts with washers. Unit mounted to curb with sixteen (16) #12x1-1/2" screws.