

PERFORMANCE:

40MBDQ Ducted					
Size	9		12	18	24
Indoor Model	40MBDQ09--3		40MBDQ12--3	40MBDQ18--3	40MBDQ24--3
ENERGY STAR®	YES		YES	YES	YES
Cooling System Tons	0.75		1.0	1.4	2.0
Cooling Rated Capacity	Btu/h	9,000	12,000	16,500	24,000
Cooling Cap. Range Min - Max	Btu/h	2,400–12,500	2,250–14,400	6,500–18,800	6,500–27,800
SEER	23.0		21.5	19.6	20.6
EER	14.0		13.0	12.5	12.5
Heating Rated Capacity (47° F)	Btu/h	10,000	12,000	19,000	24,600
Heating Rated Capacity (17° F)	Btu/h	6,450	8,350	12,700	16,500
Heating Maximum Capacity (17° F)	Btu/h	11,600	12,900	21,500	26,500
Heating Maximum Capacity (5° F)	Btu/h	8,500	12,400	17,300	24,600
Heating Cap. Range Min - Max	Btu/h	1,700–15,600	1,800–16,300	6,900–22,000	12,200–32,200
ISEER	12.0		11.5	11.0	12.8
COP (47° F)	W/W	3.62	3.52	2.93	3.66
COP (17° F)	W/W	1.90	2.00	1.90	2.80
COP (5° F)	W/W	1.80	1.87	1.80	2.01

Single Zone

A white Carrier air conditioning unit with a large circular fan grille. The Carrier logo is visible on the top right of the unit.

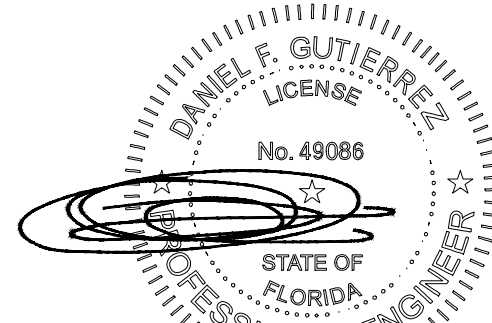
Single Zone

36MAR Outdoor Unit											
Heat Pump											
System											
Size	12	6	9	12	18	24	30	36			
Outdoor Model	36MARBD12A1	36MARBD06A3	36MARBD09A3	36MARBD12A3	36MARBD18A3	36MARBD24A3	36MARBD30A3	36MARBD36A3			
Electrical											
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A	19	13	15	15	15	25	23	28	28	28
MOC ² - Fuse Rating	A	25	15	15	15	25	35	30	35	35	35
Operating Range											
Heating Outdoor DB Min - Max	* F * (°C)	-22 (-12.22)	-30 (-50)	-22 (-30)	-22 (-30)	-22 (-30)	-22 (-30)	-22 (-30)	-22 (-30)	-22 (-30)	-22 (-30)
Cooling Outdoor DB Min - Max	* F * (°C)	-22 (-6.30)	-22 (-6.30)	-22 (-6.30)	-22 (-6.30)	-22 (-6.30)	-22 (-6.30)	-22 (-6.30)	-22 (-6.30)	-22 (-6.30)	-22 (-6.30)
Piping											
Total Piping Length	ft (m)	82 (25)	82 (25)	82 (25)	82 (25)	96 (30)	164 (50)	164 (50)	213 (65)		
Piping Unit	ft (m)	32 (10)	32 (10)	32 (10)	32 (10)	46 (20)	52 (16)	52 (16)	98 (30)		
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)		
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)	5/8 (16)	5/8 (16)		
Refrigerant											
Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Charge	in (mm)	2.47 (1.12)	2.38 (1.08)	2.6 (1.18)	2.6 (1.18)	4.08 (1.85)	5.73 (2.6)	6.06 (2.75)	7.50 (3.40)		
Compressor											
Type	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor											
Unit Width	in (mm)	30.12 (765)	30.12 (765)	31.69 (805)	31.69 (805)	35.04 (890)	37.24 (946)	37.24 (946)	37.24 (946)		
Unit Height	in (mm)	24.02 (610)	21.85 (555)	24.21 (615)	24.21 (615)	29.13 (740)	34.84 (885)	34.84 (885)	34.84 (885)		
Unit Depth	in (mm)	11.83 (303)	11.83 (303)	12.99 (330)	12.99 (330)	13.46 (342)	16.14 (411)	16.14 (411)	16.14 (411)		
Net Weight	lb (kg)	66.80 (30.3)	63.71 (28.9)	74.56 (34.0)	73.63 (33.4)	100.97 (45.8)	141.64 (64.3)	141.64 (64.3)	150.13 (68.1)		
Airflow	CFM	790	1,324	1,324	1,324	1,585	2,225	2,225	2,225		
Sound Pressure	dBA	54	5.4	5.4	56.0	58.0	62.0	62.0	63.5		

*Condensing unit above or below indoor unit

10635 SW 63 AV
MIAMI, FL

SEAL



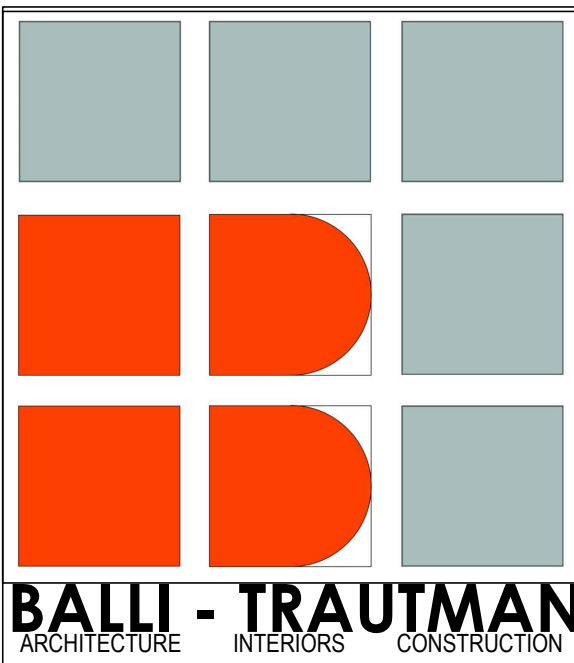
11-13-24

DANIEL F. GUTIERREZ, P.E.
ELECTRICAL ENGINEER LIC. #049086

REVISIONS

[illegible]

SEAL



JOB NUMBER:

CHECKED BY:

GB

ISSUE DATE:

Issue Date

SCALE

AS NOTED

SHEET TITLE

MECHANICAL AHU#6 & CU#7 SPECS

SHEET NUMBER

M-105

"This item has been digitally signed and sealed by Daniel F. Gutierrez on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies"

DANIEL F. GUTIERREZ, P.E.
LIC. #049086

29111 KINSINGTON COURT
WESLEY CHAPEL
PH: (786)499-4167
Email: danny@dfgengineers.com

DG CONSULTING ENGINEERS, LLC
DESIGN — INSPECTIONS