



Multi-Zone Quick Reference Guide

Ductless Systems

Outdoor Unit With Factory Installed Base Pan Heater	Max Zones	Max Heating Capacity Btu's			Max Cooling Capacity Btu's			Port Combinations		Max Line Set Per Zone	Max Total Line Set Length	Pre-Charge Length	Max Lift	MCA	MOCP	Recommended Fuse/Breaker Size
		@ 5° F	@ -10° F	@ -22° F	@ 95°F	@ 115°F	@ 122°F	Liquid	Suction							

This Sheet is not intended to replace the Installation Instructions. It is a reference guide only. Always read through the Installation Instructions.

Performance™ Series Multi-Zone Heat Pump Systems

38MGRBQ18BA3	2	14,191	11,432	9,225	26,901	15,126	11,342	2 @ 1/4"	2 @ 3/8"	82'	131'	49'	49'	18A	25A	20A
38MGRBQ36DA3	4	25,394	22,594	20,353	46,983	34,808	29,960	4 @ 1/4"	3 @ 3/8" 1 @ 1/2"	115'	262'	98'	49'	25A	40A	30A
38MGRBQ48EA3	5	32,692	27,197	22,802	58,505	45,575	40,225	5 @ 1/4"	3 @ 3/8" 2 @ 1/2"	115'	328'	123'	65'	40A	60A	45A

Performance™ Series High Heat Multi-Zone Heat Pump Systems

38MGHBQ24CA3	3	20,540	17,043	14,246	36,913	30,563	27,810	3 @ 1/4"	3 @ 3/8"	98'	197'	74'	49'	24.5A	30A	25A
38MGHBQ30DA3	4	25,394	22,594	20,353	46,983	34,808	29,960	4 @ 1/4"	3 @ 3/8" 1 @ 1/2"	115'	262'	98'	49'	25A	40A	30A
38MGHBQ36DA3	4	34,701	31,484	28,911	55,509	39,641	33,500	4 @ 1/4"	2 @ 3/8" 2 @ 1/2"	115'	262'	98'	65'	40A	60A	45A
38MGHBQ48EA3	5	46,199	42,096	38,813	55,419	43,725	38,839	5 @ 1/4"	3 @ 3/8" 2 @ 1/2"	115'	328'	123'	65'	40A	60A	45A

Indoor Unit Types, Models, and Approved Btu/hr Combinations

Btu/hr	INFINITY™	HIGH WALL PERFORMANCE™	COMFORT™	4-WAY CEILING CASSETTES	CONCEALED SLIM DUCTED	FLOOR / CEILING CONSOLE	MULTI-POISE AIR HANDLER (AHU)	Btu/hr
6K	N/A	40MAHBQ06XA3	N/A	N/A	N/A	N/A	N/A	6K
9K	40MPHBQ09XA3	40MAHBQ09XA3	40MHHAQ09XA3	40MBCQ09---3	40MBDQ09---3	N/A	N/A	9K
12K	40MPHBQ12XA3	40MAHBQ12XA3	40MHHAQ12XA3	40MBCQ12---3	40MBDQ12---3	40MBFQ12---3	N/A	12K
18K	40MPHBQ18XA3	40MAHBQ18XA3	40MHHAQ18XA3	40MBCQ18---3	40MBDQ18---3	40MBFQ18---3	40MBABQ18XB3	18K
24K	N/A	40MAHBQ24XA3	40MHHAQ24XA3	40MBCAQ24XA3	40MBDQ24---3	40MBFQ24---3	40MBABQ24XB3	24K
30K	N/A	40MAHBQ30XA3	N/A	N/A	N/A	N/A	40MBABQ30XB3	30K
36K	N/A	40MAHBQ36XA3	N/A	N/A	N/A	N/A	40MBABQ36XB3	36K

Installation Notes:

Port adaptors included with the outdoor units and no branch boxes required.

10' minimum line length required per each zone.

Minimum 2 zones must be connected.

Up to 2 40MBAB AHUs can be used for 18k & 24k 40MBAB models. In the case that 2 40MBAB units are selected, no other units may be connected to the outdoor unit, regardless of remaining ports or capacity availability.

When a 30 or 36k AHU is utilized in combination with the 48k Multi-Zone ODU, 500 grams (17.6 Oz) of additional refrigerant should be added to the system.

Wi-Fi™ Kits and Wired Remote Controllers compatible with Single or Multi-Zone as per IDU Compatibility

Stocked Item



Ducted Solutions Quick Reference Guide

Ductless Systems

AHRI Rated Btu's Cooling @ 95°F / Heating @ 47°F	SEER2	EER2	HSPF2	Indoor Unit w/ Factory Installed 24V Interface	Outdoor Unit With Base Pan Heater	Line Set Liquid x Suction	Max. Line Length	Additional Charge >25ft	Max. Lift	MCA / MOCP	Recommended Fuse Size	Maximum Heating BTU's at 4°F	Maximum Heating BTU's at 69°F Indoor DB	Maximum Cooling BTU's at 5°F	Maximum Cooling BTU's at 113°F	Maximum Cooling BTU's at 75.2°F Indoor DB	Maximum Cooling BTU's at 122°F
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Performance™ Series AHU 1:1 Heat Pump Systems w/ Factory Installed 24V Interface																	
18,000 / 19,000	17.6	11.7	9.6	40MBABQ18XB3	38MARBQ18AA3	1/4" X 1/2"	98'	.16 Oz/Ft.	65'	16A / 25A	20A	14,832	16,987	14,765	13,629		
24,000 / 26,000	18.4	11.7	9.3	40MBABQ24XB3	38MARBQ24AA3	3/8" X 5/8"	164'	.32 Oz/Ft.	82'	25A / 35A	30A	20,674	22,882	18,852	17,415		
30,000 / 30,000	17.5	11.2	8.4	40MBABQ30XB3	38MARBQ30AA3	3/8" X 5/8"	164'	.32 Oz/Ft.	82'	23A / 30A	25A	18,221	20,184	24,690	22,865		
36,000 / 38,000	15.4	8.2	9.0	40MBABQ36XB3	38MARBQ36AB3	3/8" X 5/8"	213'	.32 Oz/Ft.	98'	30A / 45A	35A	22,232	24,725	29,586	27,401		
36,000 / 38,000	15.4	8.2	9.0	40MBABQ36XA3	38MBRCQ36AA3	3/8" X 5/8"	213'	.32 Oz/Ft.	98'	30A / 50A	35A	22,232	24,360	29,586	27,401		
48,000 / 55,000	15.3	8.2	9.2	40MBABQ48XA3	38MBRCQ48AA3	3/8" X 5/8"	213'	.32 Oz/Ft.	98'	35A / 50A	40A	32,178	35,258	39,142	36,299		
57,000 / 60,000	16.0	9.6	8.5	40MBABQ60XA3	38MBRCQ58AA3	3/8" X 7/8"	213'	.32 Oz/Ft.	98'	35A / 50A	40A	29,939	32,804	46,340	42,982		
Horizontal Discharge AHU 1:1 Heat Pump Split Systems																	
18,000 / 18,500	17.0	10.9	8.8	40MUAAQ18XA3	38MURAQ18AA3	3/8" X 3/4"	98'	.69 Oz/Ft.	65'	16A / 20A	20A *	10,117	11,254	15,119	13,927		
24,000 / 26,000	17.0	10.5	9.2	40MUAAQ24XA3	38MURAQ24AA3	3/8" X 3/4"	164'	.69 Oz/Ft.	82'	19A / 30A	20A *	18,334	20,288	20,260	18,701		
30,000 / 31,000	17.3	10.6	8.5	40MUAAQ30XA3	38MURAQ30AA3	3/8" X 3/4"	164'	.69 Oz/Ft.	82'	20A / 35A	25A *	17,009	19,020	24,868	23,098		
36,000 / 36,000	16.9	10.1	8.2	40MUAAQ36XA3	38MURAQ36AA3	3/8" X 3/4"	213'	.69 Oz/Ft.	98'	24A / 40A	25A *	18,683	20,720	29,812	27,632		
47,000 / 55,000	15.8	8.8	9.4	40MUAAQ48XA3	38MURAQ48AA3	3/8" X 3/4"	213'	.69 Oz/Ft.	98'	34A / 50A	35A *	32,076	35,831	39,029	36,168		
57,000 / 60,000	14.7	8.8	8.5	40MUAAQ60XA3	38MURAQ60AA3	3/8" X 7/8"	213'	.69 Oz/Ft.	98'	34A / 50A	35A *	31,793	35,637	47,234	43,731		
Horizontal Discharge AHU 1:1 High Capacity Heat Pump Split Systems																	
18,000 / 19,000	18.0	12.4	9.3	40MUAAQ18XA3	38MURAQ18AB3	3/8" X 3/4"	98'	.69 Oz/Ft.	65'	16A / 20A	20A *	17,728	19,582	14,937	13,927		
24,000 / 24,000	17.4	11.7	10.0	40MUAAQ24XA3	38MURAQ24AB3	3/8" X 3/4"	164'	.69 Oz/Ft.	82'	20.5A / 35A	25A *	22,005	24,320	20,260	18,701		
30,000 / 33,000	16.2	10.0	8.9	40MUAAQ30XA3	38MURAQ30AB3	3/8" X 3/4"	164'	.69 Oz/Ft.	82'	23A / 35A	25A *	24,326	26,994	25,148	23,365		
36,000 / 41,500	16.0	10.0	9.5	40MUAAQ36XA3	38MURAQ36AB3	3/8" X 3/4"	213'	.69 Oz/Ft.	98'	41A / 50A	45A *	38,951	43,007	30,093	27,900		
47,000 / 50,000	15.6	8.2	9.4	40MUAAQ48XA3	38MURAQ48AB3	3/8" X 3/4"	213'	.69 Oz/Ft.	98'	42A / 50A	45A *	41,103	46,046	39,029	36,168		
55,000 / 59,000	15.3	8.8	9.4	40MUAAQ60XA3	38MURAQ60AB3	3/8" X 7/8"	213'	.69 Oz/Ft.	98'	42A / 60A	45A *	60,034	58,971	41,794	35,584		
Accessory Information:																	
Accessory Electric Heater Kits for 40MBAB & 40MUAA									Accessory Air Purifiers for 40MBAB & 40MUAA								
Model Number	Size	Size Used With	Model Number	Size	Size Used With	Model Number	Description	Size Used With	Installation Note: A separate power supply is required for an Auxiliary Electric Heater. Do not power the electric heater directly from the outdoor unit. Always follow the recommendations on the Installation Instructions.								
EHKMB05KN	5 kW	18k, 24k, 30k, 36k	EHKMB15KN	15kW	24k, 30k, 36k, 48k, 60k	DGAPAXXX1620	Infinity® Air Purifier Size 1620	18k, 24k									
EHKMB08KN	8 kW	18k, 24k, 30k, 36k, 48k	EHKMB20KN	20 kW	36k, 48k, 60k	DGAPAXXX2020	Infinity® Air Purifier Size 2020	30k, 36k, 48k									
EHKMB10KN	10 kW	18k, 23k, 30k, 36k, 48k, 60k	EHKMB25KN	25 kW	60k	DGAPAXXX2420	Infinity® Air Purifier Size 2420	60k									
Installation Notes:																	
* The 40MUAA & 38MURA systems are powered separately. The data supplied for MCA, MOCP, and Recommended Fuse Size is for the outdoor unit. Consult the 40MUAA Product Data for 40MUAA values.																	
The minimum line length for all systems is 10'.																	
40MUAA systems allow for either Non-Polarity RS485 or 24V Communication. Refer to the system's Product Data for more information on required wiring depending on communication style.																	
40MUAA Heat Pump systems require the use of a 3/8" bi-flow liquid line filter drier. The use of filter driers is not allowed on any other ductless style system.																	
Warranty Information:																	
Residential & Multi-Family Applications: 10 year limited warranty to original purchaser on compressor and parts when system is *registered within 90-days of installation. *Registration not required in CA and Quebec.																	
Commercial Applications: 7 year limited warranty to original purchaser on compressor and parts. See Warranty documents for full details.																	

Ducted Solutions Application Guide

Ducted Product Solution	Intended Application	Product Features	Size Range Offerings (kBtu/hr)	IDU Product Families	SZ ODU Product Families	MZ ODU Product Families	High Heat Offerings	Lineset Size	IDU Power Supply	Expansion Device Location	Controller Offerings	Electric Heater Offerings	IAQ Offerings	Selection Software
DLS AHU	Residential New Construction	-DLS all-in-one solution that includes built-in 24V interface -Includes full range of electric heater offerings -Allows for single-point power when not using an electric heater -Multi-Zone capabilities for up to two AHUs	18, 24, 30, 36, 48, 60	40MBAB	38MARB, 38MBRC	38MGRB	SZ: No MZ: Yes	1/4" x 1/2" (18k) 3/8" x 5/8" (24k, 30k, 36k, 48k) 3/8" x 7/8" (60k)	Powered from ODU	ODU	KSACN1001AAA (included) or Built-in 24V Interface (included, requires field-supplied 24V compatible controller)	EHKMB (sizes 5kW, 8kW, 10kW, 15kW, 20kW, & 25kW. Compatibility depends on IDU size. Requires separate power supply.)	DGAPA Infinity Air Purifier	VRoom
Horizontal Discharge	Add-on / Replacement	-Requires insulation of only the suction line -Utilizes conventional line set sizes -Includes built-in 24V Interface -Includes full range of electric heater offerings	18, 24, 30, 36, 48, 60	40MUAA	38MURA	N/A	SZ: Yes MZ: N/A	3/8" x 3/4" (18k, 24k, 30k, 36k, 48k) 3/8" x 7/8" (60k)	Powered separately	ODU & IDU	Built-in 24V Interface (included, requires field-supplied 24V compatible controller) or KSACN1001AAA (sold separately)	EHKMB (sizes 5kW, 8kW, 10kW, 15kW, 20kW, & 25kW. Compatibility depends on IDU size. Requires separate power supply.)	DGAPA Infinity Air Purifier	E-CAT Residential Products Builder (Anticipated Q2 2023)
Crossover Solutions	Add-on / Replacement	-Utilize existing fan coil or furnace & cased coil with an HD-style DLS ODU	12, 18, 24, 30, 36, 48, 60	Fan Coils: FB4C, FMA4X, FX4D, FV4C, FMC, FMU 80% AFUE Furnaces: 58SB, 58SC, 58SU0A, 58TP 90% AFUE Furnaces: 59SC2, 59SC5, 59SU5, 59TP6 Cased Coils: CAP*, CNPV*	38MARB, 38MBRC (M Rated) 38MURA (M1 Rated - Anticipated Q2 2023)	N/A	SZ: No MZ: N/A	1/4" x 1/2" (12k, 18k) 3/8" x 5/8" (24k, 30k, 36k, 48k) 3/8" x 7/8" (60k)	Powered separately	ODU	24V Interface (required, sold separately, requires field-supplied 24V compatible controller)	N/A	N/A	E-CAT Residential Products Builder

Stocked Item