



Single Zone Quick Reference Guide

Ductless Systems

AHRI Rated BTU's Cooling @ 95°F [35°C] / Heating @ 47°F [8.3°C]	SEER2	EER2	HSPF2	Indoor Unit With Wireless Remote	Outdoor Unit	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 [-20°C]	Maximum Heating BTU's at 5°F [-15°C]	Maximum Cooling BTU's at 113°F [45°C]	Maximum Cooling BTU's at 122°F [50°C]
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This sheet is not intended to replace the installation instructions. It is a reference guide only. Always read through the installation instructions.

Infinity™ Series High Wall 1:1 Heat Pump Systems															
9,000 / 12,000	28.5	16.0	18.0	40MPHBQ09XA3	38MPRBQ09AA3	1/4" X 1/2"	82"	.16 Oz/Fl.	32.8"	16A / 20A	20A	11,200	14,570	6,170	6,170
12,000 / 12,000	27.0	14.0	12.0	40MPHBQ12XA3	38MPRBQ12AA3	1/4" X 1/2"	82"	.16 Oz/Fl.	32.8"	16A / 20A	20A	11,200	14,570	8,760	6,170
18,000 / 20,000	26.3	15.3	15.5	40MPHBQ18XA3	38MPRBQ18AA3	3/8" X 5/8"	164"	.32 Oz/Fl.	82"	25A / 35A	30A	23,600	25,500	19,230	16,190
Performance™ Series High Wall 1:1 Heat Pump Systems															
12,000 / 12,100	23.5	13.0	10.0	40MAHBQ12XA1	38MARBQ12AA1	1/4" X 1/2"	82"	.16 Oz/Fl.	32"	19A / 25A	20A	5,480	6,810	8,360	6,220
6,000 / 7,400	26.5	15.8	13.6	40MAHBQ06XA3	38MARBQ06AA3	1/4" X 3/8"	82"	.16 Oz/Fl.	32"	13A / 15A	15A	7,150	8,220	9,270	7,330
9,000 / 11,800	28.1	16.2	11.5	40MAHBQ09XA3	38MARBQ09AA3	1/4" X 3/8"	82"	.16 Oz/Fl.	32"	15A / 15A	15A	9,640	11,910	9,980	6,330
12,000 / 12,000	25.5	14.0	10.4	40MAHBQ12XA3	38MARBQ12AA3	1/4" X 1/2"	82"	.16 Oz/Fl.	32"	15A / 15A	15A	10,300	12,310	9,700	5,620
18,000 / 18,000	21.5	12.5	11.3	40MAHBQ18XA3	38MARBQ18AA3	1/4" X 1/2"	98"	.16 Oz/Fl.	65"	16A / 25A	20A	14,410	16,780	12,070	9,230
24,000 / 29,000	21.5	13.0	11.4	40MAHBQ24XA3	38MARBQ24AA3	3/8" X 5/8"	164"	.32 Oz/Fl.	82"	25A / 35A	30A	23,600	25,500	19,230	16,190
30,000 / 30,000	20.0	11.5	9.2	40MAHBQ30XA3	38MARBQ30AA3	3/8" X 5/8"	164"	.32 Oz/Fl.	82"	23A / 30A	25A	15,230	18,640	19,100	9,980
36,000 / 36,000	20.0	8.5	8.0	40MAHBQ36XA3	38MARBQ36AA3	3/8" X 5/8"	213"	.32 Oz/Fl.	98"	28A / 35A	30A	19,280	24,340	22,480	10,620
Performance™ Series Ceiling Cassette 1:1 Heat Pump Systems															
9,000 / 10,000	20.5	13.0	10.3	40MBCQ09---3	38MARBQ09AA3	1/4" X 3/8"	82"	.16 Oz/Fl.	32"	15A / 15A	15A	9,290	11,520	8,490	4,970
12,000 / 12,000	22.3	12.7	10.2	40MBCQ12---3	38MARBQ12AA3	1/4" X 1/2"	82"	.16 Oz/Fl.	32"	15A / 15A	15A	10,070	12,130	10,520	6,090
16,000 / 18,000	20.0	12.5	9.5	40MBCQ18---3	38MARBQ18AA3	1/4" X 1/2"	98"	.16 Oz/Fl.	65"	16A / 25A	20A	15,540	18,750	10,850	8,280
24,000 / 24,000	20.5	11.0	11.5	40MBCAQ24XA3	38MARBQ24AA3	3/8" X 5/8"	164"	.32 Oz/Fl.	82"	25A / 35A	30A	23,810	26,670	17,470	16,540
36,000 / 38,000	19.2	9.4	8.8	40MBCAQ36XA3	38MBCQ36AA3	3/8" X 5/8"	213"	.32 Oz/Fl.	98"	30A / 50A	35A	26,330	30,630	20,770	19,370
48,000 / 50,000	18.5	9.5	9.8	40MBCAQ48XA3	38MBCQ48AA3	3/8" X 5/8"	213"	.32 Oz/Fl.	98"	35A / 50A	40A	24,370	32,380	28,150	23,050
Ceiling Cassette Grille for 9K, 12K & 18K BTU 40MBCQ01XXX3 (unbranded) ~ Ceiling Cassette Grille for 24K, 36K & 48K BTU 40MBCQ02XXX4 (unbranded) [Required on all sizes and Sold Separately]															
Performance™ Series One-Way Ceiling Cassette 1:1 Heat Pump Systems															
6,500 / 7,100	22.0	14.5	10.8	40MCCAQ09XA3	38MARBQ06AA3	1/4" X 3/8"	82"	.16 Oz/Fl.	32"	13A / 15A	15A	6,714	8,173	10,222	9,285
9,000 / 10,900	24.0	13.0	12.4	40MCCAQ09XA3	38MARBQ09AA3	1/4" X 3/8"	82"	.16 Oz/Fl.	32"	15A / 15A	15A	8,017	9,602	10,492	9,198
12,000 / 12,500	23.0	13.0	10.0	40MCCAQ18XA3	38MARBQ12AA3	1/4" X 1/2"	82"	.16 Oz/Fl.	32"	15A / 15A	15A	10,622	11,282	11,868	10,412
16,700 / 20,000	19.8	12.5	11.2	40MCCAQ18XA3	38MARBQ18AA3	1/4" X 1/2"	98"	.16 Oz/Fl.	65"	16A / 25A	20A	15,088	17,097	13,577	11,138
One-Way Cassette units include grille ~ IDU Capacity select via dip switch and must match ODU size															
Performance™ Series Slim-Ducted 1:1 Heat Pump Systems															
9,000 / 10,000	20.2	13.2	12.0	40MBDQ09---3	38MARBQ09AA3	1/4" X 3/8"	82"	.16 Oz/Fl.	32"	15A / 15A	15A	9,670	10,900	8,310	5,020
12,000 / 12,000	19.5	11.7	10.0	40MBDQ12---3	38MARBQ12AA3	1/4" X 1/2"	82"	.16 Oz/Fl.	32"	15A / 15A	15A	10,650	12,680	10,190	6,350
16,500 / 19,000	18.0	11.7	9.5	40MBDQ18---3	38MARBQ18AA3	1/4" X 1/2"	98"	.16 Oz/Fl.	65"	16A / 25A	20A	16,300	19,660	11,650	8,890
24,000 / 24,600	19.2	12.0	10.5	40MBDQ24---3	38MARBQ24AA3	3/8" X 5/8"	164"	.32 Oz/Fl.	82"	25A / 35A	30A	24,880	27,910	20,970	13,610
36,000 / 40,000	15.8	8.8	8.8	40MBDQ36---3	38MBCQ36AA3	3/8" X 5/8"	213"	.32 Oz/Fl.	98"	30A / 50A	35A	25,570	29,050	18,050	15,290
48,000 / 50,000	15.1	8.5	9.3	40MBDQ48---3	38MBCQ48AA3	3/8" X 5/8"	213"	.32 Oz/Fl.	98"	35A / 50A	40A	31,520	39,500	28,260	21,920
57,000 / 60,000	17.0	10.3	8.4	40MBDQ58---3	38MBCQ58AA3	3/8" X 3/4"	213"	.32 Oz/Fl.	98"	35A / 50A	40A	34,480	37,000	47,200	46,130
Performance™ Series High-Static Slim-Ducted 1:1 Heat Pump Systems															
9,000 / 9,800	20.5	13.6	10.0	40MBDAQ09XH3	38MARBQ09AA3	1/4" X 3/8"	82"	.16 Oz/Fl.	32"	15A / 15A	15A	8,570	10,428	11,322	9,928
12,000 / 12,000	20.0	12.0	9.5	40MBDAQ12XH3	38MARBQ12AA3	1/4" X 1/2"	82"	.16 Oz/Fl.	32"	15A / 15A	15A	10,403	11,543	11,811	10,217
17,500 / 19,000	18.0	12.1	10.8	40MBDAQ18XH3	38MARBQ18AA3	1/4" X 1/2"	98"	.16 Oz/Fl.	65"	16A / 25A	20A	14,059	17,417	18,044	17,008
24,000 / 25,000	19.2	12.0	11.1	40MBDAQ24XH3	38MARBQ24AA3	3/8" X 5/8"	164"	.32 Oz/Fl.	82"	25A / 35A	30A	23,850	25,224	24,083	21,712
36,000 / 39,500	16.0	9.2	10.2	40MBDAQ36XH3	38MBCQ36AA3	3/8" X 5/8"	213"	.32 Oz/Fl.	98"	30A / 50A	35A	19,954	22,798	28,043	22,167
48,000 / 50,000	15.2	8.8	9.7	40MBDAQ48XH3	38MBCQ48AA3	3/8" X 5/8"	213"	.32 Oz/Fl.	98"	35A / 50A	40A	30,544	35,346	45,364	41,208
59,000 / 60,000	17.0	10.3	8.4	40MBDAQ58XH3	38MBCQ58AA3	3/8" X 3/4"	213"	.32 Oz/Fl.	98"	35A / 50A	40A	34,480	37,000	47,200	46,130
Performance™ Series Console 1:1 Heat Pump Systems															
12,000 / 12,000	24.2	13.3	10.7	40MBFQ12XA3	38MARBQ12AA3	1/4" X 1/2"	82"	.16 Oz/Fl.	32"	15A / 15A	15A	11,022	11,818	12,448	10,855
17,000 / 18,000	20.5	12.5	9.8	40MBFQ18---3	38MARBQ18AA3	1/4" X 1/2"	98"	.16 Oz/Fl.	65"	16A / 25A	20A	15,920	19,200	12,330	9,410
24,000 / 24,600	20.5	11.7	11.0	40MBFQ24---3	38MARBQ24AA3	3/8" X 5/8"	164"	.32 Oz/Fl.	82"	25A / 35A	30A	24,620	27,820	19,280	18,250
36,000 / 38,000	19.0	8.5	9.0	40MBFQ36---3	38MBCQ36AA3	3/8" X 5/8"	213"	.32 Oz/Fl.	98"	30A / 50A	35A	25,740	32,760	19,980	18,550
48,000 / 50,000	18.9	9.3	10.0	40MBFQ48---3	38MBCQ48AA3	3/8" X 5/8"	213"	.32 Oz/Fl.	98"	35A / 50A	40A	31,530	43,030	28,940	24,140
54,000 / 60,000	19.8	9.8	9.0	40MBFQ58---3	38MBCQ58AA3	3/8" X 3/4"	213"	.32 Oz/Fl.	98"	35A / 50A	40A	33,200	36,260	41,240	41,230
Comfort™ Series High Wall 1:1 Heat Pump Systems															
9,000 / 10,000	21.5	12.5	9.1	40MHHAQ09XA1	38MHRCQ09AA1	1/4" X 3/8"	82"	.16 Oz/Fl.	32"	20A / 30A	20A		9,829	12,457	11,847
12,000 / 12,000	20.0	10.3	8.7	40MHHAQ12XA1	38MHRCQ12AA1	1/4" X 1/2"	82"	.16 Oz/Fl.	32"	18.5A / 25A	20A		6,685	13,886	13,206
9,000 / 10,000	21.5	12.6	9.4	40MHHAQ09XA3	38MHRCQ09AA3	1/4" X 3/8"	82"	.16 Oz/Fl.	32"	12.0A / 15A	15A		8,129	12,359	11,754
12,000 / 12,000	20.5	10.8	9.2	40MHHAQ12XA3	38MHRCQ12AA3	1/4" X 1/2"	82"	.16 Oz/Fl.	32"	15A / 15A	15A		8,502	15,226	14,481
18,000 / 18,800	19.5	11.0	8.7	40MHHAQ18XA3	38MHRCQ18AA3	1/4" X 1/2"	98.4"	.16 Oz/Fl.	65"	15A / 20A	20A		13,954	22,064	20,984
24,000 / 24,000	18.5	9.5	8.6	40MHHAQ24XA3	38MHRCQ24AA3	3/8" X 5/8"	164"	.32 Oz/Fl.	82"	19A / 30A	20A		17,767	28,520	27,124
30,000 / 30,000	21.0	12.2	8.7	40MHHAQ30XA3	38MHRCQ30AA3	3/8" X 5/8"	164"	.32 Oz/Fl.	82"	25A / 30A	25A		18,640	19,100	9,980
36,000 / 36,000	18.0	9.5	7.8	40MHHAQ36XA3	38MHRCQ36AA3	3/8" X 5/8"	213"	.32 Oz/Fl.	98.4"	28A / 35A	30A		24,340	22,480	10,620
Comfort™ Series High Wall 1:1 Air Conditioner Systems															
11,500	20.5	11.2		40MHHC12--A1	38MHRCC12AA1	1/4" X 1/2"	82"	.16 Oz/Fl.	33"	19A / 30A	20A			7,560	7,560
11,500	20.5	11.2		40MHHC12--A3	38MHRCC12AA3	1/4" X 1/2"	82"	.16 Oz/Fl.	33"	9A / 15A	10A			9,870	7,750
17,000	19.0	10.3		40MHHC18---3	38MHRCC18AA3	1/4" X 1/2"	98"	.16 Oz/Fl.	66"	19A / 30A	20A			17,780	13,230
24,000	19.0	10.9		40MHHC24---3	38MHRCC24AA3	3/8" X 5/8"	164"	.32 Oz/Fl.	66"	19A / 30A	20A			16,720	16,720

Installation Notes:

The minimum line length for all systems is 10'.
 The 58k 38MBC unit has a 7/8" suction line connection. An 7/8" to 3/4" adaptor is supplied with the unit to facilitate connection of the lineset to the outdoor unit.
 The 38MBC systems require a shielded, stranded communication circuit between the indoor and outdoor units.

Accessories & Warranty Information:

Use any 3rd party, 24V, 5-wire thermostat to control almost any Carrier Ductless system by adding the **KSACIC0301230 24V Interface**. Check pg. 8 of the "Compatibility Charts" for updates regarding 24V interface compatibility.
 The Carrier Infinity™ Ductless systems are shipped with a **Wi-Fi** kit standard. Wi-Fi accessory kits are available for all other Carrier Ductless except for the 40MBFQ12---3. See the latest version of the "Compatibility Charts" for full details.
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.



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 [-15°C]	@ -10°F [-23°C]	@ -22°F [-30°C]	@ 95°F [35°C]	@ 115°F [46°C]	@ 122°F [50°C]	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	High Wall			Ceiling Cassettes		Slim Ducted		Floor/Ceiling Console	Multi-Poise AHU	Btu/hr
	Infinity™	Performance™	Comfort™	4-Way	1-Way	Regular	High Static			
6K	N/A	40MAHBQ06XA3	N/A	N/A	40MCCAQ09XA	N/A	N/A	N/A	N/A	6K
9K	40MPHBQ09XA3	40MAHBQ09XA3	40MHHAQ09XA3	40MBCQ09---3	40MCCAQ09XA3	40MBDQ09---3	40MBDAQ09XH3	N/A	N/A	9K
12K	40MPHBQ12XA3	40MAHBQ12XA3	40MHHAQ12XA3	40MBCQ12---3	40MCCAQ18XA3	40MBDQ12---3	40MBDAQ12XH3	40MBFAQ12XA3	N/A	12K
18K	40MPHBQ18XA3	40MAHBQ18XA3	40MHHAQ18XA3	40MBCQ18---3	40MCCAQ18XA3	40MBDQ18---3	40MBDAQ18XH3	40MBFQ18---3	40MBABQ18XB3	18K
24K	N/A	40MAHBQ24XA3	40MHHAQ24XA3	40MBCAQ24XA3	N/A	40MBDQ24---3	40MBDAQ24XH3	40MBFQ24---3	40MBABQ24XB3	24K
30K	N/A	40MAHBQ30XA3	40MHHAQ30XA3	N/A	N/A	N/A	N/A	N/A	40MBABQ30XB3	30K
36K	N/A	40MAHBQ36XA3	40MHHAQ36XA3	N/A	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 AHUs can be used for the following combinations only: 18+18, 18+24, 18+30, 18+36, 24+24, 24+30, 24+36. In the case that 2 AHU 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 with a Multi-Zone ODU, 500 grams (17.6 Oz) of additional refrigerant should be added to the system.

One-Way Cassette sizing is determined by capacity rotary switch on IDU.

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



Multi-Zone Combination Chart Reference Guide

Ductless Systems

Combinations valid for 38MG(H/R)B units. For combinations for 38MGR units please reference 38MGR Literature.

	TWO ZONES		THREE ZONES			FOUR ZONES				FIVE ZONES				
38MGRBQ18BA3	6+6	9+9												
	6+9	9+12												
	6+12	12+12												
38MGHBQ24C	6+6	9+12	6+6+6	6+9+12	9+9+18									
	6+9	9+18	6+6+9	6+9+18	9+12+12									
	6+12	12+12	6+6+12	6+12+12	12+12+12									
	6+18	12+18	6+6+18	9+9+9										
	9+9	18+18	6+9+9	9+9+12										
38MCHBQ30DA3	6+9	9+18	6+6+6	6+12+12	9+12+12	6+6+6+6	6+6+12+12	6+12+12+12						
	6+12	9+24	6+6+9	6+12+18	9+12+18	6+6+6+9	6+6+12+18	6+12+12+18						
	6+18	12+12	6+6+12	6+12+24	9+12+24	6+6+6+12	6+6+12+24	9+9+9+9						
	6+24	12+18	6+6+18	6+18+18	9+18+18	6+6+6+18	6+6+18+18	9+9+9+12						
	9+9	12+24	6+6+24	6+18+24	12+12+12	6+6+6+24	6+9+9+9	9+9+9+18						
	9+12	18+18	6+9+9	9+9+9	12+12+18	6+6+9+9	6+9+9+12	9+9+12+12						
			6+9+12	9+9+12	12+18+18	6+6+9+12	6+9+9+18	9+9+12+18						
			6+9+18	9+9+18	12+12+24	6+6+9+18	6+9+9+24	9+12+12+18						
			6+9+24	9+9+24		6+6+9+24	6+9+12+18	12+12+12+12						
			6+6+24	9+9+24		6+6+6+24	6+9+12+36	9+9+12+36						
38MGRBQ36DA3	6+9	9+18	6+6+6	6+12+12	9+12+12	6+6+6+6	6+6+12+12	6+12+12+12						
	6+12	9+24	6+6+9	6+12+18	9+12+18	6+6+6+9	6+6+12+18	6+12+12+18						
	6+18	12+12	6+6+12	6+12+24	9+12+24	6+6+6+12	6+6+12+24	9+9+9+9						
	6+24	12+18	6+6+18	6+18+18	9+18+18	6+6+6+18	6+6+18+18	9+9+9+12						
	9+9	12+24	6+6+24	6+18+24	12+12+12	6+6+6+24	6+9+9+9	9+9+9+18						
	9+12	18+18	6+9+9	9+9+9	12+12+18	6+6+9+9	6+9+9+12	9+9+12+12						
			6+9+12	9+9+12	12+18+18	6+6+9+12	6+9+9+18	9+9+12+18						
			6+9+18	9+9+18	12+12+24	6+6+9+18	6+9+9+24	9+12+12+12						
			6+9+24	9+9+24		6+6+9+24	6+9+12+18	12+12+12+12						
			6+6+24	9+9+24		6+6+6+24	6+9+12+36	9+9+12+36						
38MGHBQ36DA3	9+18	12+24	6+6+24	9+9+9	9+24+24	6+6+6+18	6+6+18+18	6+9+12+36	9+9+12+12					
	9+24	18+18	6+9+12	9+9+12	12+12+12	6+6+6+24	6+6+18+24	6+9+18+18	9+9+12+18					
	12+12	18+24	6+9+18	9+9+18	12+12+18	6+6+6+30	6+6+18+30	6+9+18+24	9+9+12+24					
	12+18	24+24	6+9+24	9+9+24	12+12+24	6+6+6+36	6+6+24+24	6+9+18+30	9+9+18+18					
			6+12+18	9+12+12	12+18+18	6+6+9+12	6+9+9+9	6+12+12+12	9+9+18+24					
			6+12+24	9+12+18	12+18+24	6+6+9+18	6+9+9+12	6+12+12+18	9+12+12+12					
			6+18+18	9+12+24	12+24+24	6+6+9+24	6+9+9+18	6+12+12+24	9+12+12+18					
			6+18+24	9+18+18	18+18+18	6+6+9+30	6+9+9+24	6+12+12+30	9+12+12+24					
			6+24+24	9+18+24	18+18+24	6+6+9+36	6+9+9+30	6+12+18+18	9+12+18+18					
						6+6+12+12	6+9+9+36	6+12+18+24	9+18+18+18					
						6+6+12+18	6+9+12+12	9+9+9+9	12+12+12+12					
						6+6+12+24	6+9+12+18	9+9+9+12	12+12+12+18					
						6+6+12+30	6+9+12+24	9+9+9+18	12+12+12+24					
						6+6+12+36	6+9+12+30	9+9+9+24	12+12+18+18					
38MGRBQ48EA3	6+30	12+36	6+6+24	6+18+36	9+18+24	6+6+6+18	6+6+18+30	6+9+24+24	9+9+12+24	6+6+6+6+6	6+6+6+12+30	6+6+12+12+24	6+12+12+12+18	
	6+36	18+18	6+6+30	6+24+24	9+18+30	6+6+6+24	6+6+24+24	6+12+12+12	9+9+12+30	6+6+6+6+9	6+6+6+18+18	6+6+12+18+18	9+9+9+9+9	
	9+18	18+24	6+6+36	6+24+30	9+18+36	6+6+6+30	6+9+9+9	6+12+12+18	9+9+18+18	6+6+6+6+12	6+6+6+18+24	6+9+9+9+9	9+9+9+9+12	
	9+24	18+30	6+9+12	9+9+9	9+24+24	6+6+6+36	6+9+9+12	6+12+12+24	9+9+18+24	6+6+6+6+18	6+6+9+9+9	6+9+9+9+12	9+9+9+9+18	
	9+30	18+36	6+9+18	9+9+12	12+12+12	6+6+9+12	6+9+9+18	6+12+12+30	9+12+12+12	6+6+6+6+24	6+6+9+9+12	6+9+9+9+18	9+9+9+9+24	
	9+36	24+24	6+9+24	9+9+18	12+12+18	6+6+9+18	6+9+9+24	6+12+18+18	9+12+12+18	6+6+6+6+30	6+6+9+9+18	6+9+9+9+24	9+9+9+12+12	
	12+12	24+30	6+9+30	9+9+24	12+12+24	6+6+9+24	6+9+9+30	6+12+18+24	9+12+12+24	6+6+6+6+36	6+6+9+9+24	6+9+9+9+30	9+9+9+12+18	
	12+18	24+36	6+9+36	9+9+30	12+12+30	6+6+9+30	6+9+9+36	6+18+18+18	9+12+18+18	6+6+6+9+9	6+6+9+9+30	6+9+9+12+12	9+9+9+18+18	
	12+24	30+30	6+12+18	9+9+36	12+12+36	6+6+9+36	6+9+12+12	9+9+9+9	9+18+18+18	6+6+6+9+12	6+6+9+12+12	6+9+9+12+18	9+9+12+12+12	
	12+30		6+12+24	9+12+12	12+18+18	6+6+12+12	6+9+12+18	9+9+9+12	12+12+12+12	6+6+6+9+18	6+6+9+12+18	6+9+9+12+24	9+9+12+12+18	
			6+12+30	9+12+18	12+18+24	6+6+12+18	6+9+12+24	9+9+9+18	12+12+12+18	6+6+6+9+24	6+6+9+12+24	6+9+9+18+18	9+12+12+12+12	
			6+12+36	9+12+24	12+18+30	6+6+12+24	6+9+12+30	9+9+9+24	12+12+12+24	6+6+6+9+30	6+6+9+12+30	6+9+12+12+12	9+12+12+12+18	
			6+18+18	9+12+30	12+24+24	6+6+12+30	6+9+12+36	9+9+9+30	12+12+18+18	6+6+6+9+36	6+6+9+18+18	6+9+12+12+18	12+12+12+12+18	
			6+18+24	9+12+36	18+18+18	6+6+12+36	6+9+18+18	9+9+9+36		6+6+6+12+12	6+6+9+18+24	6+9+12+12+24		
			6+18+30	9+18+18	18+18+24	6+6+18+18	6+9+18+24	9+9+12+12		6+6+6+12+18	6+6+12+12+12	6+9+12+18+18		
						6+6+18+24	6+9+18+30	9+9+12+18		6+6+6+12+24	6+6+12+12+18	6+12+12+12+12		
			6+6+24	6+18+36	9+18+24	6+6+6+18	6+6+18+30	6+9+24+24	9+9+12+24		6+6+6+6+6	6+6+6+12+30	6+6+12+12+24	6+12+12+12+18
			6+6+30	6+24+24	9+18+30	6+6+6+18	6+6+6+24	6+12+12+12	9+9+12+30		6+6+6+6+9	6+6+6+18+18	6+6+12+18+18	9+9+9+9+9
			6+6+36	6+24+30	9+18+36	6+6+6+30	6+9+9+9	6+12+12+18	9+9+18+18		6+6+6+6+12	6+6+6+18+24	6+9+9+9+9	9+9+9+9+12
			6+9+12	9+9+9	9+24+24	6+6+6+36	6+9+9+12	6+12+12+24	9+9+18+24		6+6+6+6+18	6+6+9+9+9	6+9+9+9+12	9+9+9+9+18
			6+9+18	9+9+12	12+12+12	6+6+9+12	6+9+9+18	6+12+12+30	9+12+12+12		6+6+6+6+24	6+6+9+9+12	6+9+9+9+18	9+9+9+9+24
			6+9+24	9+9+18	12+12+18	6+6+9+18	6+9+9+24	6+12+18+18	9+12+12+18		6+6+6+6+30	6+6+9+9+18	6+9+9+9+24	9+9+9+12+12
			6+9+30	9+9+24	12+12+24	6+6+9+24	6+9+9+30	6+12+18+24	9+12+12+24		6+6+6+6+36	6+6+9+9+24	6+9+9+9+30	9+9+9+12+18
			6+9+36	9+9+30	12+12+30	6+6+9+30	6+9+9+36	6+18+18+18	9+12+18+18		6+6+6+9+9	6+6+9+9+30	6+9+9+12+12	9+9+9+18+18
			6+12+18	9+9+36	12+12+36	6+6+9+36	6+9+12+12	9+9+9+9			6+6+6+9+12	6+6+9+12+12	6+9+9+12+18	9+9+12+12+12
		6+12+24	9+12+12	12+18+18	6+6+12+12	6+9+12+18	9+9+9+12	12+12+12+12		6+6+6+9+18	6+6+9+12+18	6+9+9+12+24	9+9+12+12+18	
		6+12+30	9+12+18	12+18+24	6+6+12+18	6+9+12+24	9+9+9+18	12+12+12+18		6+6+6+9+24	6+6+9+12+24	6+9+9+18+18	9+12+12+12+12	
		6+12+36	9+12+24	12+18+30	6+6+12+24	6+9+12+30	9+9+9+24	12+12+12+24		6+6+6+9+30	6+6+9+12+30	6+9+12+12+12	9+12+12+12+18	
		6+18+18	9+12+30	12+24+24	6+6+12+30	6+9+12+36	9+9+9+30	12+12+18+18		6+6+6+9+36	6+6+9+18+18	6+9+12+12+18	12+12+12+12+12	
		6+18+24	9+12+36	18+18+18	6+6+12+36	6+9+18+18	9+9+9+36			6+6+6+12+12	6+6+9+18+24	6+9+12+12+24		
		6+18+30	9+18+18	18+18+24	6+6+18+18	6+9+18+24	9+9+12+12			6+6+6+12+18	6+6+12+12+12	6+9+12+18+18		
					6+6+18+24	6+9+18+30	9+9+12+18			6+6+6+12+24	6+6+12+12+18	6+12+12+12+12		



Ducted Solutions Quick Reference Guide

Ductless Systems

AHRI Rated Btu's Cooling @ 95°F [35°C] / Heating @ 47°F [8.3°C]	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 [-20°C] At 69°F [20.5°C]	Maximum Heating BTU's at 5°F [-15°C] Indoor DB	Maximum Cooling BTU's at 113°F [45°C] At 75.2°F [24°C]	Maximum Cooling BTU's at 122°F [50°C] Indoor DB
	This Sheet is not intended to replace the Installation Instructions. It is a reference guide only. Always read through the Installation Instructions.														

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	38MBRCQ60AA3	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					Installation Note:
Model Number	Size	Size Used With	Model Number	Size	Size Used With	Model Number	Description	Size Used With		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 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Utilize existing fan coil or furnace & cased coil with an HD-style DLS ODU 	18, 24, 30, 36, 48, 60	Fan Coils: FB4CN, FX4DN, FMA4X, FJ4DN, PF4MN, FZ4AN, FM(C,U), FV4CN, FMA4P Furnaces: 8(0,1)*SA, 82*SA, 83*SA, 82*TA, 912SD, 915SB, 926SA, 926TB, 935SA, OVLAAB, OVMAAB Cased Coils: CAP*, CNPV*	38MURA	N/A	SZ: Yes MZ: N/A	3/4" x 3/8" (18k, 48k) 7/8" x 3/8" (60k)	Powered separately	ODU & IDU	24V Interface (included, requires field-supplied 24V compatible controller)	N/A	N/A	E-CAT Residential Products Builder