



Single Zone Quick Reference Guide

Ductless Systems

NOMINAL CAPACITY	SEER	EER	HSPF	INDOOR UNIT WITH WIRELESS REMOTE	OUTDOOR UNIT WITH BASE PAN HEATER	LINE SET SIZES LIQUID X SUCTION	MIN LINE LENGTH	MAX LINE LENGTH	ADDITIONAL CHARGE >25ft	MAX LIFT	MCA/MOCP	Maximum Heating Btu's at -4°F	Maximum Heating Btu's at 0°F	Maximum Cooling Btu's at -22°F	Maximum Cooling Btu's at 113°F	WIRED CONTROLLER Optional Unless Otherwise Noted				
This Sheet is not intended to replace the Installation Instructions. It is a reference guide only. Always read through the Installation Instructions																				
Infinity™ High Wall 1:1 Heat Pump												High Capacity High Wall Systems			At 69°F Indoor DB		At 75.2°F Indoor DB			
9,000	42.0	15.0	15.0	40MPHAQ09XA3	38MPRAQ09AA3	1/4 X 3/8	10'	98'	.16 Oz/Ft.	49'	13A/15A	10,870	12,320	12,400	7,080	KSACN0601AAA				
12,000	32.0	13.5	14.0	40MPHAQ12XA3	38MPRAQ12AA3	1/4 X 1/2	10'	98'	.16 Oz/Ft.	49'	15A/20A	11,530	12,870	13,800	8,850	KSACN0601AAA				
18,000	28.2	14.5	14.0	40MPHAQ18XA3	38MPRAQ18AA3	3/8 X 5/8	10'	98'	.32 Oz/Ft.	65'	18A/30A	18,450	20,240	22,670	16,650	KSACN0601AAA				
24,000	23.5	13.6	12.0	40MPHAQ24XA3	38MPRAQ24AA3	3/8 X 5/8	10'	98'	.32 Oz/Ft.	65'	20A/30A	22,490	24,300	26,590	18,420	KSACN0601AAA				
Performance™ High Wall 1:1 Heat Pump												Standard Capacity High Wall Systems			At 69°F Indoor DB		At 75.2°F Indoor DB			
12,000 - 115 Volt	23.0	13.0	11.5	40MAHBQ12XA1	38MARBQ12AA1	1/4 X 1/2	10'	82'	.16 Oz/Ft.	32'	19A/25A	5,480	6,300	14,570	8,360	KSACN0801AAA				
30,000	20.0	11.5	9.6	40MAHBQ30XA3	38MARBQ30AA3	3/8 X 5/8	10'	164'	.32 Oz/Ft.	82'	23A/30A	15,230	16,790	36,690	19,100	KSACN0801AAA				
36,000	17.5	8.5	9.0	40MAHBQ36XA3	38MARBQ36AA3	3/8 X 5/8	10'	213'	.32 Oz/Ft.	98'	28A/35A	19,280	22,060	37,720	22,480	KSACN0801AAA				
Performance™ High Wall 1:1 Heat Pump												High Capacity High Wall Systems			At 69°F Indoor DB		At 75.2°F Indoor DB			
9,000	28.1	16.2	13.0	40MAHBQ09XA3	38MARBQ09AA3	1/4 X 3/8	10'	82'	.16 Oz/Ft.	32'	15A/15A	9,640	11,000	13,100	9,980	KSACN0801AAA				
12,000	25.5	14.0	13.0	40MAHBQ12XA3	38MARBQ12AA3	1/4 X 1/2	10'	82'	.16 Oz/Ft.	32'	15A/15A	10,300	11,740	13,650	9,700	KSACN0801AAA				
17,000	21.5	12.5	13.0	40MAHBQ18XA3	38MARBQ18AA3	1/4 X 1/2	10'	98'	.16 Oz/Ft.	65'	16A/25A	14,410	15,600	21,330	12,070	KSACN0801AAA				
24,000	21.5	13.0	12.0	40MAHBQ24XA3	38MARBQ24AA3	3/8 X 5/8	10'	164'	.32 Oz/Ft.	82'	25A/35A	23,600	23,380	26,110	19,230	KSACN0801AAA				
Performance™ Cassette 1:1 Heat Pump												High Capacity Ceiling Cassette Systems			At 69°F Indoor DB		At 75.2°F Indoor DB			
9,000	20.0	13.0	10.8	40MBCQ09---3	38MARBQ09AA3	1/4 X 3/8	10'	82'	.16 Oz/Ft.	32'	15A/15A	9,290	10,410	7,690	8,490	KSACN0701AAA				
12,000	19.5	12.5	10.6	40MBCQ12---3	38MARBQ12AA3	1/4 X 1/2	10'	82'	.16 Oz/Ft.	32'	15A/15A	10,070	11,280	15,080	10,520	KSACN0701AAA				
16,000	20.0	12.5	10.5	40MBCQ18---3	38MARBQ18AA3	1/4 X 1/2	10'	98'	.16 Oz/Ft.	65'	16A/25A	15,540	15,940	19,820	10,850	KSACN0701AAA				
24,000	20.0	11.0	11.5	40MBCQ24---3	38MARBQ24AA3	3/8 X 5/8	10'	164'	.32 Oz/Ft.	82'	25A/35A	23,810	25,120	21,040	17,470	KSACN0701AAA				
Ceiling Cassette Grille for 9K, 12K & 18K BTU 40MBCQ01XXX3 (unbranded) ~ Ceiling Cassette Grille for 24K, 36K & 48K BTU 40MBCQ02XXX3 (unbranded) [Required on all sizes and Sold Separately]																				
Performance™ Ducted 1:1 Heat Pump												High Capacity Slim Duct Systems			At 69°F Indoor DB		At 75.2°F Indoor DB			
9,000	23.0	13.5	12.0	40MBDQ09---3	38MARBQ09AA3	1/4 X 3/8	10'	82'	.16 Oz/Ft.	32'	15A/15A	9,670	10,930	10,230	8,310	KSACN0701AAA Included				
12,000	20.5	12.5	11.0	40MBDQ12---3	38MARBQ12AA3	1/4 X 1/2	10'	82'	.16 Oz/Ft.	32'	15A/15A	10,650	11,830	12,850	10,190	KSACN0701AAA Included				
16,500	19.6	12.5	11.0	40MBDQ18---3	38MARBQ18AA3	1/4 X 1/2	10'	98'	.16 Oz/Ft.	65'	16A/25A	16,300	16,720	21,270	11,650	KSACN0701AAA Included				
24,000	20.5	12.5	12.5	40MBDQ24---3	38MARBQ24AA3	3/8 X 5/8	10'	98'	.32 Oz/Ft.	82'	25A/35A	24,880	26,250	34,440	20,970	KSACN0701AAA Included				
Performance™ Console 1:1 Heat Pump												High Capacity Console Systems			At 69°F Indoor DB		At 75.2°F Indoor DB			
12,000	19.4	12.5	10.5	40MBFQ12---3	38MARBQ12AA3	1/4 X 1/2	10'	82'	.16 Oz/Ft.	32'	15A/15A	10,610	11,720	13,500	10,760	KSACN0601AAA				
17,000	19.9	12.5	10.6	40MBFQ18---3	38MARBQ18AA3	1/4 X 1/2	10'	98'	.16 Oz/Ft.	65'	16A/25A	15,920	16,330	22,510	12,330	KSACN0701AAA				
24,000	20.0	11.5	11.5	40MBFQ24---3	38MARBQ24AA3	3/8 X 5/8	10'	98'	.32 Oz/Ft.	82'	25A/35A	24,620	25,980	23,230	19,280	KSACN0701AAA				
Performance™ Light Commercial 1:1 Heat Pump												Standard Capacity Systems			At 69°F Indoor DB		At 75.2°F Indoor DB			
36,000 Cassette*	17.5	9.0	10.5	40MBCQ36---3	38MBRQ36AA3	3/8 X 5/8	10'	213'	.32 Oz/Ft.	98'	30A/50A	26,400	29,530	36,130	21,520	KSACN0701AAA				
48,000 Cassette*	16.8	9.5	11.0	40MBCQ48---3	38MBRQ48AA3	3/8 X 5/8	10'	213'	.32 Oz/Ft.	98'	35A/50A	23,290	35,650	41,550	30,620	KSACN0701AAA				
36,000 Ducted	16.5	9.0	11.5	40MBDQ36---3	38MBRQ36AA3	3/8 X 5/8	10'	213'	.32 Oz/Ft.	98'	30A/50A	23,890	26,720	36,020	21,450	KSACN0701AAA				
48,000 Ducted	17.4	9.2	10.3	40MBDQ48---3	38MBRQ48AA3	3/8 X 5/8	10'	213'	.32 Oz/Ft.	98'	35A/50A	30,880	38,090	45,490	33,520	KSACN0701AAA				
57,000 Ducted	18.0	10.0	9.0	40MBDQ58---3	38MBRQ58A--3	3/8 X 3/4	10'	213'	.43 Oz/Ft.	98'	35A/50A	29,500	33,910	56,360	33,920	KSACN0701AAA				
36,000 Console	16.0	8.0	10.0	40MBFQ36---3	38MBRQ36AA3	3/8 X 5/8	10'	213'	.32 Oz/Ft.	98'	30A/50A	24,030	26,870	36,050	21,470	KSACN0701AAA				
48,000 Console	17.8	9.3	11.0	40MBFQ48---3	38MBRQ48AA3	3/8 X 5/8	10'	213'	.32 Oz/Ft.	98'	35A/50A	26,590	40,710	43,660	32,170	KSACN0701AAA				
54,000 Console	18.0	9.8	10.5	40MBFQ58---3	38MBRQ58A--3	3/8 X 3/4	10'	213'	.43 Oz/Ft.	98'	35A/50A	27,850	32,240	49,620	25,870	KSACN0701AAA				
Installation Note :												The 38MBR systems require a shielded, stranded communication circuit between the indoor and outdoor units			40MBAA Accessory Electric Heater Kits					
Performance™ 1:1 Heat Pump / Multi-Position Air Handler w/Factory Installed 24V Interface												At 69°F Indoor DB		At 75.2°F Indoor DB		At 75.2°F Indoor DB				
24,000	20.0	12.5	10.0	40MBAAQ24XA3	38MARBQ24AA3	3/8 X 5/8	10'	164'	.32 Oz/Ft.	82'	25A/35A	21,340	23,080	5 KW	EHKMA05KN	24,36,48				
36,000	16.5	8.5	10.4	40MBAAQ36XA3	38MBRQ36AA3	3/8 X 5/8	10'	213'	.32 Oz/Ft.	98'	30A/50A	20,440	22,850	10 KW	EHKMA10KN	24,36,48				
48,000	16.0	8.2	9.5	40MBAAQ48XA3	38MBRQ48AA3	3/8 X 5/8	10'	213'	.32 Oz/Ft.	98'	35A/50A	25,310	27,120	15 KW	EHKMA15KN	36,48				
														20 KW	EHKMA20KN	48 Only				
Comfort™ High Wall 1:1 Heat Pump												Standard Capacity High Wall Systems			0°F Outdoor		5°F Outdoor		113°F Outdoor	
12,000 - 115 Volt	19.8	10.0	10.6	40MHHQ12---1	38MHRBQ12AA1	1/4 X 1/2	10'	82'	.16 Oz/Ft.	32'	13A/20A	5,250	4,370	12,250	8,300	KSACN0601AAA				
9,000	18.5	11.2	10.0	40MHHQ09---3	38MHRBQ09AA3	1/4 X 3/8	10'	82'	.16 Oz/Ft.	32'	8A/15A	5,280	5,700	9,590	6,700	KSACN0601AAA				
12,000	19.8	11.2	9.6	40MHHQ12---3	38MHRBQ12AA3	1/4 X 1/2	10'	82'	.16 Oz/Ft.	32'	10A/15A	5,550	6,070	13,260	8,670	KSACN0601AAA				
18,000	19.0	11.2	10.6	40MHHQ18---3	38MHRBQ18AA3	1/4 X 1/2	10'	98'	.16 Oz/Ft.	65'	15A/20A	8,470	9,670	20,510	12,610	KSACN0601AAA				
24,000	17.3	9.7	9.6	40MHHQ24---3	38MHRBQ24AA3	3/8 X 5/8	10'	164'	.32 Oz/Ft.	65'	18A/25A	12,600	14,920	27,070	15,760	KSACN0601AAA				
Accessories, Warranty Information, Etc.																				
Use any 3rd party, 24V, 5-wire thermostat to control almost any Carrier Ductless system by adding the KSACI0301230 24V Interface . Compatible with all indoor units listed above except 40MBFQ12---3, 40MBFQ58---3, & 40MBDQ58---3.																				
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 Product Data or Installation Manual 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

Two zone minimum connection required on all units.
Port adaptors included with the outdoor unit and no branch box required

Performance™ Multi-Zone Heat Pump

OUTDOOR UNIT	MAX ZONES	MAX HEATING CAPACITY BTU's / %			PORT COMBINATIONS		MIN LINE LENGTH	MAX ZONE LENGTH	TOTAL LINE LENGTH	PRE CHARGE LENGTH	MAX LIFT	MCA	MOCP	BASEPAN HEATER	Warranty With Registration
		@ 5° F	@ -13° F	@ -22° F	Liquid Line	Suction Line									
38MGRQ18B--3	2	13,900 / 73%	6,540 / 34%	5,520 / 29%	2 @ 1/4"	2 @ 3/8"	10'	82'	131'	49'	49'	18A	25A	Factory Installed	10 YEARS
38MGRQ24C--3	3	23,000 / 100%	17,590 / 77%	13,850 / 60%	3 @ 1/4"	3 @ 3/8"	10'	98'	197'	74'	49'	25A	35A	Factory Installed	10 YEARS
38MGRQ30D--3	4	28,000 / 100%	20,650 / 74%	16,700 / 60%	4 @ 1/4"	3 @ 3/8" 1 @ 1/2"	10'	115'	263'	98'	49'	30A	45A	Factory Installed	10 YEARS
38MGRQ36D--3	4	36,000 / 100%	27,690 / 77%	23,030 / 64%	4 @ 1/4"	2 @ 3/8" 2 @ 1/2"	10'	115'	328'	123'	65'	35A	50A	Factory Installed	10 YEARS
38MGRQ48E--3	5	36,000 / 75%	28,050 / 58%	23,330 / 49%	5 @ 1/4"	3 @ 3/8" 2 @ 1/2"	10'	115'	328'	123'	65'	35A	50A	Factory Installed	10 YEARS

Indoor Units and the Approved Combinations

Infinity™ High Wall	Performance™ High Wall	Comfort™ High Wall	Ceiling Cassette	Ducted Unit	Console
High Wall Models	High Wall Models	High Wall Models	Cassette Models	Ducted Models	Console Models
40MPHAQ09XA3	40MAHBQ09XA3	40MHHQ09---3	40MBCQ09---3	40MBDQ09---3	
40MPHAQ12XA3	40MAHBQ12XA3	40MHHQ12---3	40MBCQ12---3	40MBDQ12---3	40MBFQ12---3
	40MAHBQ18XA3	40MHHQ18---3	40MBCQ18---3	40MBDQ18---3	40MBFQ18---3
	40MAHBQ24XA3	40MHHQ24---3	Grille Part # 40MBCQ01XXX3	40MBDQ24---3	40MBFQ24---3
			40MBCQ24---3		
			Grille Part # 40MBCQ02XXX3		

Outdoor Models	Two Zones		Three Zones			Four Zones		Multi-Position AHU
38MGRQ18B--3	9+9							
	9+12							
	12+12							
38MGRQ24C--3	9+9	12+12	9+9+9	9+12+12				
	9+12	12+18	9+9+12	12+12+12				
	9+18	18+18	9+9+18					
38MGRQ30D--3	9+9	12+12	9+9+9	9+12+12	12+12+12	9+9+9+9	9+9+12+18	
	9+12	12+18	9+9+12	9+12+18	12+12+18	9+9+9+12	9+12+12+18	
	9+18	12+24	9+9+18	9+12+24	12+18+18	9+9+9+18	12+12+12+18	
	9+24	18+18	9+9+24	9+18+18	12+12+24	9+9+12+12		
38MGRQ36D--3	9+18	12+12	9+9+9	9+12+24	12+12+24	9+9+9+9	9+12+12+12	
	9+24	12+18	9+9+12	9+18+18	12+18+18	9+9+9+12	9+12+12+18	
		12+24	9+9+18	9+18+24	12+18+24	9+9+9+18	9+12+12+24	
		18+18	9+9+24	9+24+24	12+24+24	9+9+9+24	9+12+18+18	
		18+24	9+12+12	12+12+12	18+18+18	9+9+12+12	9+18+18+18	
		24+24	9+12+18	12+12+18	18+18+24	9+9+12+18	12+12+12+12	
						9+9+12+24	12+12+12+18	
					9+9+18+18	12+12+12+24		
38MGRQ48E--3		9+18	9+9+9	9+24+24			9+12+12+12	
		9+24	9+9+12	12+12+12			9+12+12+18	
		12+12	9+9+18	12+12+18			9+12+12+24	
		12+18	9+9+24	12+12+24			9+12+18+18	
		12+24	9+12+12	12+18+18			9+9+9+12+12	
		18+18	9+12+18	12+18+24			9+9+9+24	
		18+24	9+12+24	12+24+24			9+9+9+12+12	
		24+24	9+18+18	18+18+18			9+9+9+12+18	
			9+18+24	18+18+24			9+9+9+12+12	
							9+9+9+12+18	

Note: Wi-Fi™ Kits and Wired Remote Controllers compatible with Single or Multi-Zone