



Single Zone Quick Reference Guide

Ductless Systems

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

When checking error codes on a **Single Zone** or a **1:1** system.

General procedure is to start at the control point or indoor unit then work to the outdoor unit.

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	PRE CHARGE LENGTH	MAX LINE LENGTH	ADDITIONAL CHARGE	MAX LIFT	MCA / MOCF	Service Error Codes	Warranty With Registration Single & Multifamily	24 VOLT INTERFACE	WIRED CONTROLLER
Infinity™ High Wall 1:1 Heat Pump																
High Heating Systems - 100% of Rated Capacity @ 0°F / Nominal Cooling Capacity @ -22°F																
9,000	42.0	15.0	15.0	40MPHAQ09XA3	38MPRAQ09AA3	1/4 X 3/8	10'	25'	98'	.16 Oz/Ft.	49'	13A/15A	38MPRA Infinity HP!A1	10 YEARS	KSAIC0301230	KSACN0601AAA
12,000	32.0	13.5	14.0	40MPHAQ12XA3	38MPRAQ12AA3	1/4 X 1/2	10'	25'	98'	.16 Oz/Ft.	49'	15A/20A	40MPHA Infinity High Wall!A1	10 YEARS	KSAIC0301230	KSACN0601AAA
18,000	28.2	14.5	14.0	40MPHAQ18XA3	38MPRAQ18AA3	3/8 X 5/8	10'	25'	98'	.32 Oz/Ft.	65'	18A/30A	Wired Controller!A1	10 YEARS	KSAIC0301230	KSACN0601AAA
24,000	23.5	13.6	12.0	40MPHAQ24XAS	38MPRAQ24AA3	3/8 X 5/8	10'	25'	98'	.32 Oz/Ft.	65'	20A/30A		10 YEARS	KSAIC0301230	KSACN0601AAA
Performance™ High Wall 1:1 Heat Pu																
Standard Heating Capacity Systems / *Systems highlighted below Nominal Cooling Capacity -13°F*																
12,000 - 115 Volt	22.0	13.0	10.2	40MAQB12B--1	38MAQB12R--1	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	32'	15A/20A	38MAR Performance HP!A1	10 YEARS	KSAIC0301230	KSACN0601AAA
30,000	19.8	11.5	9.4	40MAQB30B--3	38MAQB30R--3	3/8 X 5/8	10'	25'	164'	.32 Oz/Ft.	82'	20A/30A	40MAQ Performance High Wall wb!A1	10 YEARS	KSAIC0301230	KSACN0601AAA
36,000	16.0	8.6	8.5	40MAQB36B--3	38MAQB36R--3	3/8 X 5/8	10'	25'	164'	.32 Oz/Ft.	82'	25A/35A	Wired Controller!A1	10 YEARS	KSAIC0301230	KSACN0601AAA
Performance™ High Wall 1:1 Heat																
High Heating Systems - 100% of Rated Capacity @ 5°F / Nominal Cooling Capacity @ -13°F																
9,000	25.0	14.5	11.2	40MAQB09B--3	38MAQB09R--3	1/4 X 3/8	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	38MAR Performance HP!A1	10 YEARS	KSAIC0301230	KSACN0601AAA
12,000	22.5	13.0	12.0	40MAQB12B--3	38MAQB12R--3	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	40MAQ Performance High Wall wb!A1	10 YEARS	KSAIC0301230	KSACN0601AAA
17,000	20.0	12.5	10.3	40MAQB18B--3	38MAQB18R--3	1/4 X 1/2	10'	25'	98'	.16 Oz/Ft.	65'	18A/25A	Wired Controller!A1	10 YEARS	KSAIC0301230	KSACN0601AAA
24,000	20.5	13.0	11.5	40MAQB24B--3	38MAQB24R--3	3/8 X 5/8	10'	25'	164'	.32 Oz/Ft.	65'	20A/30A		10 YEARS	KSAIC0301230	KSACN0601AAA
Performance™ Cassette 1:1 Heat Pu																
High Heating Systems - 100% of Rated Capacity @ 5°F / Nominal Cooling Capacity @ -13°F																
9,000	20.0	13.0	10.8	40MBCQ09---3	38MAQB09R--3	1/4 X 3/8	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	38MAR Performance HP!A1	10 YEARS	KSAIC0301230	KSACN0601AAA
12,000	19.5	12.5	10.6	40MBCQ12---3	38MAQB12R--3	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	40MBCQ Comfort Cassette wb note!A1	10 YEARS	KSAIC0301230	KSACN0701AAA
16,000	20.0	12.5	10.5	40MBCQ18---3	38MAQB18R--3	1/4 X 1/2	10'	25'	98'	.16 Oz/Ft.	32'	18A/25A	Wired Controller!A1	10 YEARS	KSAIC0301230	KSACN0701AAA
24,000	20.0	11.0	11.5	40MBCQ24---3	38MAQB24R--3	3/8 X 5/8	10'	25'	164'	.32 Oz/Ft.	65'	20A/30A		10 YEARS	KSAIC0301230	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 Pum																
High Heating Systems - 100% of Rated Capacity @ 5°F / Nominal Cooling Capacity @ -13°F																
9,000	23.0	13.5	12.0	40MBDQ09---3	38MAQB09R--3	1/4 X 3/8	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	38MAR Performance HP!A1	10 YEARS	KSAIC0301230	KSACN0701AAA Included
12,000	20.5	12.5	11.0	40MBDQ12---3	38MAQB12R--3	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	40MBDQ Performance Ducted wb!A1	10 YEARS	KSAIC0301230	KSACN0701AAA Included
16,500	19.6	12.5	11.0	40MBDQ18---3	38MAQB18R--3	1/4 X 1/2	10'	25'	98'	.16 Oz/Ft.	65'	18A/25A	Wired Controller!A1	10 YEARS	KSAIC0301230	KSACN0701AAA Included
24,000	20.5	12.5	12.5	40MBDQ24---3	38MAQB24R--3	3/8 X 5/8	10'	25'	98'	.32 Oz/Ft.	65'	20A/30A		10 YEARS	KSAIC0301230	KSACN0701AAA Included



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Ductless Systems

Performance™ Console 1:1 Heat Pur High Heating Systems - 100% of Rated Capacity @ 5°F / Nominal Cooling Capacity @ -13°F

12,000	19.4	12.5	10.5	40MBFQ12---3	38MAQB12R--3	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	38MAR Performance HP'IA1	10 YEARS	N/A	KSACN0601AAA
17,000	19.9	12.5	10.6	40MBFQ18---3	38MAQB18R--3	1/4 X 1/2	10'	25'	98'	.16 Oz/Ft.	32'	18A/25A	40MBFQ Performance Console'IA1	10 YEARS	KSAIC0301230	KSACN0701AAA
24,000	20.0	11.5	11.5	40MBFQ24---3	38MAQB24R--3	3/8 X 5/8	10'	25'	98'	.32 Oz/Ft.	65'	20A/30A	Wired Controller'IA1	10 YEARS	KSAIC0301230	KSACN0701AAA

Performance™ Light Commercial 1:1 Heat Pump 40MBCQ Cassette, 40MBDQ Ducted & 40MBFQ Console indoor units matched w/38MBR Series outdoor units / *Ceiling Cassette Grille for 36K & 48K BTU 40MBCQ02XXX3

Standard Heating Capacity Systems Systems / *Systems highlighted below Nominal Cooling Capacity -13°F*

36,000 Cassette*	17.5	9.0	10.5	40MBCQ36---3	38MBRBQ36AA3	3/8 X 5/8	10'	25'	213'	.43 Oz/Ft.	98'	30A/50A	38MBR Performance HP Comm'IA1	10 YEARS	KSAIC0301230	KSACN0701AAA
48,000 Cassette*	16.8	9.5	11.0	40MBCQ48---3	38MBRBQ48AA3	3/8 X 5/8	10'	25'	213'	.43 Oz/Ft.	98'	35A/50A	40MBCQ Comfort Cassette wb note'IA1	10 YEARS	KSAIC0301230	KSACN0701AAA
36,000 Ducted	16.5	9.0	11.5	40MBDQ36---3	38MBRBQ36AA3	3/8 X 5/8	10'	25'	213'	.43 Oz/Ft.	98'	30A/50A	40MBDQ Performance Ducted wb'IA1	10 YEARS	KSAIC0301230	KSACN0701AAA
48,000 Ducted	17.4	9.2	10.3	40MBDQ48---3	38MBRBQ48AA3	3/8 X 5/8	10'	25'	213'	.43 Oz/Ft.	98'	35A/50A	Wired Controller'IA1	10 YEARS	KSAIC0301230	KSACN0701AAA
57,000 Ducted	18.0	10.0	9.0	40MBDQ58---3	38MBRQ58A--3	3/8 X 3/4	10'	25'	213'	.43 Oz/Ft.	98'	35A/50A		10 YEARS	N/A	KSACN0701AAA
36,000 Console	16.0	8.0	10.0	40MBFQ36---3	38MBRBQ36AA3	3/8 X 5/8	10'	25'	213'	.43 Oz/Ft.	98'	30A/50A		10 YEARS	KSAIC0301230	KSACN0701AAA
48,000 Console	17.8	9.3	11.0	40MBFQ48---3	38MBRBQ48AA3	3/8 X 5/8	10'	25'	213'	.43 Oz/Ft.	98'	35A/50A		10 YEARS	KSAIC0301230	KSACN0701AAA
54,000 Console	18.0	9.8	10.5	40MBFQ58---3	38MBRQ58A--3	3/8 X 3/4	10'	25'	213'	.43 Oz/Ft.	98'	35A/50A		10 YEARS	N/A	KSACN0701AAA

Installation Note : The 38MBR systems require a shielded, stranded communication circuit between the indoor and outdoor units

Legacy™ High Wall 1:1 Heat Pum Standard Heating Capacity Systems

12,000 - 115 Volt	19.8	10.0	10.6	40MHHQ12---1	38MHRBQ12AA1	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	32'	13A/20A	38MHRBQ Comfort HP'IA1	10 YEARS	KSAIC0301230	KSACN0601AAA
9,000	18.5	11.2	10.0	40MHHQ09---3	38MHRBQ09AA3	1/4 X 3/8	10'	25'	82'	.16 Oz/Ft.	32'	8A/15A	40MHHQ Comfort High Wall HP'IA1	10 YEARS	KSAIC0301230	KSACN0601AAA
12,000	19.8	11.2	9.6	40MHHQ12---3	38MHRBQ12AA3	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	32'	10A/15A	Wired Controller'IA1	10 YEARS	KSAIC0301230	KSACN0601AAA
18,000	19.0	11.2	10.6	40MHHQ18---3	38MHRBQ18AA3	1/4 X 1/2	10'	25'	98'	.16 Oz/Ft.	65'	15A/20A		10 YEARS	KSAIC0301230	KSACN0601AAA
24,000	17.3	9.7	9.6	40MHHQ24---3	38MHRBQ24AA3	3/8 X 5/8	10'	25'	164'	.32 Oz/Ft.	65'	18A/25A		10 YEARS	KSAIC0301230	KSACN0601AAA

Performance™ 1:1 Heat Pump / Multi- Position Air handler and Accessory Heater Kits

													40MBAA Vertical Airhandler 'IA1	40MBAA Accessory Heater Kits	Size Used With
24,000	20.5	13.0	11.5	40MBAAQ24XA3	38MAQB24R--3	3/8 X 5/8	10'	25'	164'	.32 Oz/Ft.	65'	20A/30A	38MAR Performance HP'IA1	5 KW	EHKMA05KN 24,36,48
36,000	16.5	9.0	11.5	40MBAAQ36XA3	38MBRBQ36AA3	3/8 X 5/8	10'	25'	213'	.43 Oz/Ft.	98'	30A/50A	38MBR Performance HP Comm'IA1	10 KW	EHKMA10KN 24,36,48
48,000	17.8	9.3	11.0	40MBAAQ48XA3	38MBRBQ48AA3	3/8 X 5/8	10'	25'	213'	.43 Oz/Ft.	98'	35A/50A	38MBR Performance HP Comm'IA1	15 KW	EHKMA15KN 36,48
														20 KW	EHKMA20KN 48 Only

* Warranty registration required except in CA and Quebec. In Commercial applications, Warranty is 7 Years Parts & Compressor No Registration Required

Control Wiring See installation Instructions 14/3 Stranded Wire with Ground is the required Control wiring between the indoor and outdoor units