



MGR Multi-Zone Heat Pumps

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

BASEPAN HEATER FACTORY INSTALLED

OUTDOOR UNIT	MAX ZONES	MAX HEATING CAPACITY		PORT COMBINATIONS		MIN LINE LENGTH	MAX ZONE LENGTH	TOTAL LINE LENGTH	PRE CHARGE LENGTH	MAX LIFT	MCA	MOCP	Low Ambient Htg. / Clg.	Space for Distributor Use
		@ 5° F	@ -13° F	@ -22° F	Liquid Line									
38MGRQ18B--3	2	13,900 / 7.3%	6,540 / 3.4%	5,520 / 2.9%	2 @ 1/4"	10'	82'	131'	49'	49'	18A	25A	-22°F / -13°F	
38MGRQ24C--3	3	23,000 / 100%	17,500 / 7.7%	13,850 / 6.0%	3 @ 3/8"	10'	98'	197'	74'	49'	25A	35A	-22°F / -13°F	
38MGRQ30D--3	4	28,000 / 100%	20,650 / 7.4%	15,700 / 6.0%	4 @ 1/4"	10'	115'	263'	98'	49'	30A	45A	-22°F / -13°F	
38MGRQ36D--3	4	36,000 / 100%	27,690 / 7.7%	23,030 / 6.4%	4 @ 1/4"	10'	115'	328'	123'	65'	35A	50A	-22°F / -13°F	
38MGRQ48E--3	5	36,000 / 75%	28,050 / 5.8%	23,330 / 4.9%	5 @ 1/4"	10'	115'	328'	123'	65'	35A	50A	-22°F / -13°F	

Indoor Units and the Approved Combinations

Ducted Unit	Ceiling Cassette	Evolution™ High Wall	Preferred™ High Wall	Legacy™ High Wall	Console
Ducted Models	Cassette Models	High Wall Models	High Wall Models	High Wall Models	Console Models
40MBQB09D--3	40MBCQ09--3	619PHAQ09XA3	40MAQB09B--3	40MHQ09--3	40MBFQ09--3
40MBQB12D--3	40MBCQ12--3	619PHAQ12XA3	40MAQB12B--3	40MHQ12--3	40MBFQ12--3
40MBQB18D--3	40MBCQ18--3		40MAQB18B--3	40MHQ18--3	40MBFQ18--3
40MBQB24D--3	Grille Part # 40MBQB01C--40MBCQ24--3		40MAQB24B--3	40MHQ24--3	40MBFQ24--3
	Grille Part # 40MBCQ24--3				

Rated Combinations

Outdoor Models	Two Zones		Three Zones		Four Zones		Five Zones	
	9+9	9+12	9+9+9	9+12+12	9+9+9+9	9+12+12+12	9+9+9+9+9	9+12+12+12+12
38MGRQ18B--3	9+9	9+12	9+9+9	9+12+12	9+9+9+9	9+12+12+12	9+9+9+9+9	9+12+12+12+12
38MGRQ24C--3	9+9	9+12	9+9+9	9+12+12	9+9+9+9	9+12+12+12	9+9+9+9+9	9+12+12+12+12
38MGRQ30D--3	9+9	9+12	9+9+9	9+12+12	9+9+9+9	9+12+12+12	9+9+9+9+9	9+12+12+12+12
38MGRQ36D--3	9+9	9+12	9+9+9	9+12+12	9+9+9+9	9+12+12+12	9+9+9+9+9	9+12+12+12+12
38MGRQ48E--3	9+9	9+12	9+9+9	9+12+12	9+9+9+9	9+12+12+12	9+9+9+9+9	9+12+12+12+12



Single Zone Quick Reference Guide

Ductless Systems

NOMINAL CAPACITY	SEER	EER	HSPF	INDOOR	OUTDOOR	LINE SET SIZES LIQUID X SUCTION	MIN LINE LENGTH	PRE CHARGE LENGTH	MAX LINE LENGTH	ADDITIONAL CHARGE	MAX LIFT	MCA / MOCP	BASEPAN HEATER	Low Ambient Htg. / Cfg.	WIRED CONTROLLER*	Space for Distributor Use
Evolution™ High Wall 1:1 Heat Pump																
9,000	42.0	15.0	15.0	619PAAQ09XA3	38MPRAQ09AA3	1/4 X 3/8	10'	25'	98'	.16 Oz/Ft.	49'	13A/15A	Factory Installed	-22°F / -22°F	Optional	
12,000	32.0	13.5	14.0	619PAAQ12XA3	38MPRAQ12AA3	1/4 X 1/2	10'	25'	98'	.16 Oz/Ft.	49'	15A/20A	Factory Installed	-22°F / -22°F	Optional	
Preferred™ High Wall 1:1 Heat Pump																
Standard Heating Capacity Systems																
9,000 - 115 Volt	24.5	15.0	11.2	619PAQ009BBMA	38MAQ09R--1	1/4 X 3/8	10'	25'	82'	.16 Oz/Ft.	32'	15A/20A	Factory Installed	-13°F / -13°F	Optional	
12,000 - 115 Volt	22.0	13.0	10.2	619PAQ012BBMA	38MAQ12R--1	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	32'	15A/20A	Factory Installed	-13°F / -13°F	Optional	
30,000	19.8	11.5	9.4	619PEQ030BBMA	38MAQ030R--3	3/8 X 5/8	10'	25'	164'	.32 Oz/Ft.	82'	20A/30A	Factory Installed	-13°F / -13°F	Optional	
36,000	16.0	8.6	8.5	619PEQ036BBMA	38MAQ036R--3	3/8 X 5/8	10'	25'	164'	.32 Oz/Ft.	82'	25A/35A	Factory Installed	-13°F / -13°F	Optional	
High Heating Systems - 100% of Rated Capacity @ 5° F																
9,000	25.0	14.5	11.2	619PEQ009BBMA	38MAQ09R--3	1/4 X 3/8	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	Factory Installed	-22°F / -13°F	Optional	
12,000	22.5	12.5	12.0	619PEQ012BBMA	38MAQ12R--3	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	Factory Installed	-22°F / -13°F	Optional	
18,000	20.0	12.5	10.3	619PEQ018BBMA	38MAQ18R--3	1/4 X 1/2	10'	25'	98'	.16 Oz/Ft.	65'	18A/25A	Factory Installed	-22°F / -13°F	Optional	
24,000	20.5	13.0	10.3	619PEQ024BBMA	38MAQ24R--3	3/8 X 5/8	10'	25'	164'	.32 Oz/Ft.	65'	20A/30A	Factory Installed	-22°F / -13°F	Optional	
High Heating Systems - 100% of Rated Capacity @ 5° F																
9,000	20.0	13.0	10.8	40MBCQ09--3	38MAQ09R--3	1/4 X 3/8	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	Factory Installed	-22°F / -13°F	Optional	
12,000	19.5	12.5	10.6	40MBCQ12--3	38MAQ12R--3	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	Factory Installed	-22°F / -13°F	Optional	
16,000	20.0	12.5	10.5	40MBCQ18--3	38MAQ18R--3	1/4 X 1/2	10'	25'	98'	.16 Oz/Ft.	32'	18A/25A	Factory Installed	-22°F / -13°F	Optional	
24,000	20.0	11.0	11.5	40MBCQ24--3	38MAQ24R--3	3/8 X 5/8	10'	25'	164'	.32 Oz/Ft.	65'	20A/30A	Factory Installed	-22°F / -13°F	Optional	
Ceiling Cassette Grille for 9K, 12K & 18K BTU 40MBCQ01C--- (branded Bryant) - Ceiling Cassette Grille for 24K, 36K & 48K BTU 40MBCQ02XXX3 (unbranded) [Required on all sizes and sold Separately]																
Preferred™ Console 1:1 Heat Pump																
9,000	20.0	12.5	11.6	40MBFQ09--3	38MAQ09R--3	1/4 X 3/8	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	Factory Installed	-22°F / -13°F	Optional	
12,000	19.4	12.5	10.5	40MBFQ12--3	38MAQ12R--3	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	Factory Installed	-22°F / -13°F	Optional	
16,500	20.0	12.5	11.6	40MBFQ18--3	38MAQ18R--3	1/4 X 1/2	10'	25'	98'	.16 Oz/Ft.	32'	18A/25A	Factory Installed	-22°F / -13°F	Optional	
24,000	19.4	12.5	10.5	40MBFQ24--3	38MAQ24R--3	3/8 X 5/8	10'	25'	164'	.32 Oz/Ft.	65'	20A/30A	Factory Installed	-22°F / -13°F	Optional	
High Heating Systems - 100% of Rated Capacity @ 5° F																
9,000	23.0	13.5	12.0	40MBDQ09--3	38MAQ09R--3	1/4 X 3/8	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	Factory Installed	-22°F / -13°F	Included	
12,000	20.5	12.5	11.0	40MBDQ12--3	38MAQ12R--3	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	32'	9A/15A	Factory Installed	-22°F / -13°F	Included	
16,500	19.6	12.5	11.0	40MBDQ18--3	38MAQ18R--3	1/4 X 1/2	10'	25'	98'	.16 Oz/Ft.	65'	18A/25A	Factory Installed	-22°F / -13°F	Included	
24,000	20.5	12.5	12.5	40MBDQ24--3	38MAQ24R--3	3/8 X 5/8	10'	25'	164'	.32 Oz/Ft.	65'	20A/30A	Factory Installed	-22°F / -13°F	Included	
40MBC Cassette, 40MBD Ducted & 40MBF Console indoor units matched w/38MBR Series outdoor units / Ceiling Cassette Grille for 36K & 48K BTU 40MBCQ02XXX3																
36,000 'Cassette'	17.5	9.0	10.5	40MBCQ36--3	38MBRQ36A--3	3/8 X 5/8	10'	25'	213'	.43 Oz/Ft.	98'	30A/50A	Factory Installed	-22°F / -13°F	Optional	
48,000 'Cassette'	16.8	9.5	11.0	40MBCQ48--3	38MBRQ48A--3	3/8 X 5/8	10'	25'	213'	.43 Oz/Ft.	98'	35A/50A	Factory Installed	-22°F / -13°F	Optional	
36,000 Ducted	16.5	9.0	11.5	40MBDQ36--3	38MBRQ36A--3	3/8 X 5/8	10'	25'	213'	.43 Oz/Ft.	98'	30A/50A	Factory Installed	-22°F / -13°F	Included	
48,000 Ducted	17.4	9.2	10.3	40MBDQ48--3	38MBRQ48A--3	3/8 X 5/8	10'	25'	213'	.43 Oz/Ft.	98'	35A/50A	Factory Installed	-22°F / -13°F	Included	
58,000 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	Factory Installed	-22°F / -13°F	Included	
36,000 Console	16.0	8.0	10.0	40MBFQ36--3	38MBRQ36A--3	3/8 X 5/8	10'	25'	213'	.43 Oz/Ft.	98'	30A/50A	Factory Installed	-22°F / -13°F	Optional	
48,000 Console	17.8	9.3	11.0	40MBFQ48--3	38MBRQ48A--3	3/8 X 5/8	10'	25'	213'	.43 Oz/Ft.	98'	35A/50A	Factory Installed	-22°F / -13°F	Optional	
58,000 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	Factory Installed	-22°F / -13°F	Optional	
Installation Note :																
The 38MBRQ Ducted systems require a shielded, stranded communication circuit between the indoor and outdoor units																
Legacy™ High Wall 1:1 Heat Pump																
Standard Capacity Systems																
9,000	19.8	10.0	10.6	40MHQ12---1	38MHRBQ12AA1	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	33'	13A/20A	Factory Installed	0°F / 0°F	Optional	
12,000	18.5	11.2	10.0	40MHQ09---3	38MHRBQ09AA3	1/4 X 3/8	10'	25'	82'	.16 Oz/Ft.	33'	9A/15A	Factory Installed	0°F / 0°F	Optional	
18,000	19.8	11.2	9.6	40MHQ12---3	38MHRBQ12AA3	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	33'	10A/15A	Factory Installed	0°F / 0°F	Optional	
18,000	19.0	11.2	10.6	40MHQ18---3	38MHRBQ18AA3	1/4 X 1/2	10'	25'	98'	.16 Oz/Ft.	66'	15A/20A	Factory Installed	0°F / 0°F	Optional	
24,000	17.3	9.7	10.6	40MHQ24---3	38MHRBQ24AA3	3/8 X 5/8	10'	25'	164'	.32 Oz/Ft.	66'	18A/25A	Factory Installed	0°F / 0°F	Optional	
Legacy™ High Wall 1:1 Cooling Only																
12,000 - 115 Volt	17.3	10.7	N/A	40MHHC12A--1	38MHRBC12A--1	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	33'	13A/20A	Factory Installed	0°F / 0°F	Optional	
17,500	19.0	11.2	N/A	40MHHC12--3	38MHRBC12A--3	1/4 X 1/2	10'	25'	82'	.16 Oz/Ft.	33'	11A/15A	Factory Installed	0°F / 0°F	Optional	
17,000	19.0	10.3	N/A	40MHHC18A--3	38MHRBC18A--3	1/4 X 1/2	10'	25'	98'	.16 Oz/Ft.	66'	15A/20A	Factory Installed	0°F / 0°F	Optional	
22,000	18.5	11.1	N/A	40MHHC24--3	38MHRBC24A--3	3/8 X 5/8	10'	25'	164'	.32 Oz/Ft.	66'	18A/25A	Factory Installed	0°F / 0°F	Optional	
Warranty is 10 years with registration (registration not required in CA and Quebec). In Commercial applications, Warranty is 7 Years Parts & Compressor with Registration. See installation instructions 14/3 Stranded Wire with Ground is the required Control wiring between the indoor and outdoor units																
Control Wiring																
Mid-Tier Ducted SEN-INS-CAR-01																
Mid-Tier Cassette & Floor Console SEN-INS-CAR-02																
Mid-Tier High Wall SEN-INS-CAR-03																
Sensibo™																
24 Volt Interface																
1 to 1 Evolution™ (IMP Series only), Preferred™ & Legacy™ Series																
Kit Number																
KSAIC0101115																
KSAIC0101230																
Bryant Wi-Fi™ (Wi-Fi™ is included standard with Evolution High Wall)																
KSAIF0101AAA																
KSAIF0201AAA																
KSAIF0301AAA																
KSAIF0401AAA																
Legacy™ High Wall 9k, 12k & 24k																
Legacy™ High Wall 18k																
Preferred™ High Wall 9k - 36k																
Preferred™ Cassette Ducted Console*																

*This Sheet is not intended to replace the installation instructions. It is a reference guide only. Always reference the installation instructions.
 *All Sizes Except Console sizes 9 & 12
 *Wireless Remote Control included with all indoor units
 *SUBJECT TO CHANGE WITHOUT NOTICE
 © Bryant Heating & Cooling Systems 2018
 09/2018