

38MA*R Outdoor Unit

Preferred™ Series



OUTDOOR FEATURES

- 100% heating capacity at 5° F (-15° C) sizes 9-24 (208/230V)
- Available in 115V and 208/230V
- Built-in basepan heater
- Auto-restart function
- Condenser high-temperature protection
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 52.5 dB(A)
- Anti-corrosive fin coating
- Piping length 82 ~ 164 ft. (25 ~ 50 m.)
- Cooling operating range -13° ~ 122° F (-25° ~ 50° C)
- Heating operating range -22° ~ 86° F (-30° ~ 30° C) sizes 09-24 (208/230V); -13° ~ 86° F (-25° ~ 30° C) sizes 09, 12 (115V) & 30, 36 (208/230V)

COMPATIBLE WITH

- 619P*B High Wall
- 40MBCQ Cassette
- 40MBDQ Ducted
- 40MBFQ Console
- FV4C Fan Coil
- FMA4 Fan Coil
- FMC/FMU Fan Coil

Heat Pump with Basepan Heater

Inverter Compressor

Up to 25.0 SEER

Up to 12.0 HSPF

Sizes: 09 / 12 / 18 / 24 / 30 / 36

Select sizes are ENERGY STAR® certified based on indoor unit pairing

KEY FEATURES

Extra Low Temperature Heating

For when it's cold outside, the heat output for this system is up to 69% of rated capacity down to -22° F (-30° C), making this a primary heat source and eliminating the need for a backup heat source.

Rapid Cooling and Heating

After start-up, the compressor quickly gets up to maximum speed to cool or heat the room in minutes.



40MBFQ Console
SIZES: 12



40MBFQ Console
SIZES: 18 / 24



FMX/FMU Fan Coil



40MBCQ Cassette
SIZES: 09 / 12 / 18



40MBCQ Cassette
SIZE: 24



FMA4X Fan Coil



FV4 Fan Coil

Preferred™
SERIES

bryant
Heating & Cooling Systems

SPECIFICATIONS

38MA*R Outdoor Unit								
Heat Pump								
System								
Size		12	9	12	18	24	30	36
Outdoor Model		38MAQB12R--1	38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3	38MAQB30R--3	38MAQB36R--3
Electrical								
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	15	9	9	18	20	20	25
MOCP - Fuse Rating	A.	20	15	15	25	30	30	35
Operating Range								
Cooling Outdoor DB Min - Max	° F (° C)	-13~122 (-25~50)	-13~122 (-25~50)	-13~122 (-25~50)	-13~122 (-25~50)	-13~122 (-25~50)	-13~122 (-25~50)	-13~122 (-25~50)
Heating Outdoor DB Min - Max	° F (° C)	-13~86 (-25~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-13~86 (-25~30)	-13~86 (-25~30)
Piping								
Total Piping Length	ft (m)	82 (25)	82 (25)	82 (25)	98 (30)	164 (50)	164 (50)	164 (50)
Piping Lift*	ft (m)	32 (10)	32 (10)	32 (10)	65 (20)	65 (20)	82 (25)	82 (25)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)	5/8 (16)	5/8 (16)
Refrigerant								
Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Charge	in (mm)	2.76 (1.25)	3.31 (1.5)	3.31 (1.5)	4.30 (1.95)	5.73 (2.60)	6.06 (2.75)	7.50 (3.40)
Compressor								
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor								
Unit Width	in (mm)	32.09 (815)	32.09 (815)	32.09 (815)	33.66 (855)	37.24 (946)	37.24 (946)	37.24 (946)
Unit Height	in (mm)	21.81 (554)	21.81 (554)	21.81 (554)	27.63 (702)	31.89 (810)	31.89 (810)	31.89 (810)
Unit Depth	in (mm)	13.11 (333)	13.11 (333)	13.11 (333)	14.17 (360)	16.14 (410)	16.14 (410)	16.14 (410)
Net Weight	lbs (kg)	82.9 (37.6)	91.5 (41.5)	91.5 (41.5)	118.2 (53.6)	145.5 (66)	139.8 (63.4)	147.3 (66.8)
Airflow	CFM	1,200	1,200	1,200	1,390	2,130	2,130	2,130
Sound Pressure	dB(A)	52.5	55.5	56.0	57.5	60.5	60.5	60.5

*Condensing unit above or below indoor unit.

Manufacturer reserves the right to discontinue, or change at any time, specification or designs without notice or incurring obligations.

COMPATIBILITY

Indoor Unit		Outdoor Unit						
		38MAQB12R--1	38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3	38MAQB30R--3	38MAQB36R--3
High Wall	619PAQ012BBMA	•						
	619PEQ009BBMA		•					
	619PEQ012BBMA			•				
	619PEQ018BBMA				•			
	619PEQ024BBMA					•		
	619PEQ030BBMA						•	
	619PEQ036BBMA							•
Cassette	40MBCQ09---3		•					
	40MBCQ12---3			•				
	40MBCQ18---3				•			
	40MBCQ24---3					•		
	40MBCQ36---3							
	40MBCQ48---3							
Ducted	40MBDQ09---3		•					
	40MBDQ12---3			•				
	40MBDQ18---3				•			
	40MBDQ24---3					•		
	40MBDQ36---3							
	40MBDQ48---3							
Console	40MBFQ12---3			•				
	40MBFQ18---3				•			
	40MBFQ24---3					•		
	40MBFQ36---3							
	40MBFQ48---3							
	40MBFQ58---3							
Vertical Fan Coil	FMA4X1800AL			•	•			
	FMA4X2400AL					•		
	FMA4X3000AL						•	
	FMA4X3600AL							•
Horizontal Fan Coil	FM(C,U)4Z1800AL			•	•			
	FM(C,U)4Z2400AL					•		
	FM(C,U)4Z3000AL						•	
	FM(C,U)4Z3600AL							•
FV4 Fan Coil	FV4CNF002L			•	•	•		
	FV4CN(B,F)003L						•	•

Note: *Cassette, Ducted and Console indoor units sizes 36, 48 & 58 ONLY compatible with 38MBR Outdoor Unit.

PERFORMANCE

619P*B High Wall								
Indoor Model		619PAQ012BBMA	619PEQ009BBMA	619PEQ012BBMA	619PEQ018BBMA	619PEQ024BBMA	619PEQ030BBMA	619PEQ036BBMA
Outdoor Model		38MAQB12R--1	38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3	38MAQB30R--3	38MAQB36R--3
ENERGY STAR®		YES	YES	YES	YES	YES	NO	NO
Cooling System Tons		1.0	0.8	1.0	1.4	2.0	2.5	3.0
Cooling Rated Capacity	Btu/h	12,000	9,000	12,000	17,000	24,000	30,000	36,000
Cooling Cap. Range Min - Max	Btu/h	4,000~13,000	3,500~13,000	4,000~13,800	4,500~18,800	5,500~24,500	8,000~30,500	8,000~36,200
SEER		22.0	25.0	22.5	20.0	20.5	19.8	16.0
EER		13.0	14.5	13.0	12.5	13.0	11.5	8.6
Heating Rated Capacity (47° F)	Btu/h	12,000	10,900	12,000	18,000	24,000	30,000	36,000
Heating Rated Capacity (17° F)	Btu/h	7,600	6,900	7,800	10,800	15,400	18,500	21,000
Heating Maximum Capacity (17° F)	Btu/h	7,600	10,900	12,000	18,000	24,000	18,500	21,000
Heating Maximum Capacity (5° F)	Btu/h	6,490	10,900	12,000	18,000	24,000	16,380	16,380
Heating Maximum Capacity (-13° F)	Btu/h	3,800	9,020	9,020	16,520	16,520	14,320	14,320
Heating Cap. Range Min - Max	Btu/h	5,000~13,500	4,500~14,500	5,000~15,500	5,500~24,000	6,000~32,000	9,000~34,000	9,000~37,000
HSPF		10.2	11.2	12.0	10.3	11.5	9.4	8.5
COP (47° F)	W/W	3.40	3.80	3.56	3.14	3.10	2.60	2.56
COP (17° F)	W/W	2.60	2.74	2.64	2.64	2.64	2.16	2.12
COP (5° F)	W/W	2.03	2.12	2.12	1.75	1.88	2.20	1.50

PERFORMANCE

40MBCQ Cassette					
Indoor Model		40MBCQ09---3	40MBCQ12---3	40MBCQ18---3	40MBCQ24---3
Outdoor Model		38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3
ENERGY STAR®		YES	YES	YES	NO
Cooling System Tons		0.8	1.0	1.3	2.0
Cooling Rated Capacity	Btu/h	9,000	12,000	16,000	24,000
Cooling Cap. Range Min - Max	Btu/h	3,500~11,000	4,000~13,000	4,500~18,000	8,500~26,500
SEER		20.0	19.5	20.0	20.0
EER		13.0	12.5	12.5	11.0
Heating Rated Capacity (47° F)	Btu/h	10,000	12,000	18,000	24,000
Heating Rated Capacity (17° F)	Btu/h	6,700	8,700	12,000	16,200
Heating Maximum Capacity (17° F)	Btu/h	9,000	12,000	18,000	24,000
Heating Maximum Capacity (5° F)	Btu/h	9,000	12,000	18,000	24,000
Heating Maximum Capacity (-13° F)	Btu/h	7,320	7,540	12,590	18,500
Heating Cap. Range Min - Max	Btu/h	4,500~11,500	5,000~13,500	5,500~19,000	13,200~32,000
HSPF		10.8	10.6	10.5	11.5
COP (47° F)	W/W	3.30	3.67	3.43	3.46
COP (17° F)	W/W	2.37	2.40	2.55	2.73
COP (5° F)	W/W	1.83	1.84	2.07	1.88

PERFORMANCE

40MBDQ Ducted					
Indoor Model		40MBDQ09---3	40MBDQ12---3	40MBDQ18---3	40MBDQ24---3
Outdoor Model		38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3
ENERGY STAR®		YES	YES	YES	YES
Cooling System Tons		0.75	1.0	1.4	2.0
Cooling Rated Capacity	Btu/h	9,000	12,000	16,500	24,000
Cooling Cap. Range Min - Max	Btu/h	3,500~12,000	4,000~12,900	4,500~18,000	5,500~24,500
SEER		23.0	20.5	19.6	20.5
EER		13.5	12.5	12.5	12.5
Heating Rated Capacity (47° F)	Btu/h	10,000	12,000	19,000	24,000
Heating Rated Capacity (17° F)	Btu/h	7,200	8,500	13,400	17,200
Heating Maximum Capacity (17° F)	Btu/h	10,000	13,000	20,200	25,400
Heating Maximum Capacity (5° F)	Btu/h	10,000	12,000	19,000	24,000
Heating Maximum Capacity (-13° F)	Btu/h	8,350	8,560	12,510	16,520
Heating Cap. Range Min - Max	Btu/h	4,000~15,000	4,500~15,700	5,500~19,000	6,000~26,000
HSPF		12.0	11.0	11.0	12.5
COP (47° F)	W/W	3.60	3.30	2.93	3.82
COP (17° F)	W/W	2.92	2.36	2.71	2.56
COP (5° F)	W/W	1.91	1.79	1.75	1.83

PERFORMANCE

40MBFQ Console				
Indoor Model		40MBFQ12---3	40MBFQ18---3	40MBFQ24---3
Outdoor Model		38MAQB12R--3	38MAQB18R--3	38MAQB24R--3
ENERGY STAR®		YES	YES	NO
Cooling System Tons		1.0	1.4	2.0
Cooling Rated Capacity	Btu/h	12,000	17,000	24,000
Cooling Cap. Range Min - Max	Btu/h	4,000~13,000	6,830~19,800	8,000~28,150
SEER		19.4	19.9	20.0
EER		12.5	12.5	11.5
Heating Rated Capacity (47° F)	Btu/h	12,000	18,000	24,000
Heating Rated Capacity (17° F)	Btu/h	9,600	13,400	17,200
Heating Maximum Capacity (17° F)	Btu/h	12,000	21,500	26,600
Heating Maximum Capacity (5° F)	Btu/h	12,000	21,300	26,560
Heating Cap. Range Min - Max	Btu/h	5,000~13,500	12,900~29,000	20,500~36,750
HSPF		10.5	10.6	11.5
COP (47° F)	W/W	3.17	3.48	3.52
COP (17° F)	W/W	2.49	2.38	2.82
COP (5° F)	W/W	1.76	1.77	1.81

PERFORMANCE

Vertical Fan Coil										
Outdoor Model	38MAQB12R--3		38MAQB18R--3		38MAQB24R--3		38MAQB30R--3		38MAQB36R--3	
Indoor Model	FMA4X1800AL		FMA4X1800AL		FMA4X2400AL		FMA4X3000AL		FMA4X3600AL	
ENERGY STAR®	NO		NO		NO		NO		NO	
Cooling System Tons	1.0		1.4		1.9		2.4		2.8	
Cooling Rated Capacity	Btu/h	11,800	17,200		23,000		29,200		34,000	
Cooling Cap. Range Min - Max	Btu/h	6,400~17,000	8500~28,000		7,900~36,500		10,000~38,500		10,500~43,500	
SEER	17.6		15.5		14.5		16.5		14.5	
EER	12.25		10.9		11.0		11.3		9.0	
Heating Rated Capacity (47° F)	Btu/h	12,200	17,800		24,000		30,200		37,000	
Heating Rated Capacity (17° F)	Btu/h	7,600	10,800		15,800		21,200		22,200	
Heating Maximum Capacity (17° F)	Btu/h	14,100	23,100		28,900		25,200		20,700	
Heating Maximum Capacity (5° F)	Btu/h	9,900	17,800		28,700		22,400		19,900	
Heating Cap. Range Min - Max	Btu/h	4,000~14,800	7,800~23,000		11,600~36,500		10,500~33,500		10,900~36,500	
HSPF	9.7		9.8		9.5		11.0		8.7	
COP (47° F)	W/W	4.10	4.00		3.80		3.00		3.30	
COP (17° F)	W/W	2.65	2.50		2.75		2.75		1.75	
COP (5° F)	W/W	2.17	2.10		2.30		2.55		1.98	

PERFORMANCE

Horizontal Fan Coil										
Outdoor Model	38MAQB12R--3		38MAQB18R--3		38MAQB24R--3		38MAQB30R--3		38MAQB36R--3	
Indoor Model	FM(C,U)4Z1800AL		FM(C,U)4Z1800AL		FM(C,U)4Z2400AL		FM(C,U)4Z3000AL		FM(C,U)4Z3600AL	
ENERGY STAR®	NO		NO		NO		NO		NO	
Cooling System Tons	1.0		1.5		1.9		2.4		2.9	
Cooling Rated Capacity	Btu/h	11,800	17,600		23,000		28,600		35,000	
Cooling Cap. Range Min - Max	Btu/h	5,000~18,000	7,000~29,000		9,300~37,000		9,600~38,500		8,700~46,000	
SEER	18.4		19.0		20.0		18.0		16.0	
EER	11.6		11.0		12.2		11.1		9.0	
Heating Rated Capacity (47° F)	Btu/h	11,800	17,400		23,200		30,000		36,000	
Heating Rated Capacity (17° F)	Btu/h	7,400	12,200		15,000		20,200		19,000	
Heating Maximum Capacity (17° F)	Btu/h	14,000	23,700		28,400		24,400		26,500	
Heating Maximum Capacity (5° F)	Btu/h	9,400	19,500		28,400		21,600		19,000	
Heating Cap. Range Min - Max	Btu/h	4,100~15,500	9,000~24,000		9,300~35,000		9,000~39,000		10,800~36,500	
HSPF	8.2		10.3		11.2		10.8		9.0	
COP (47° F)	W/W	4.36	3.78		3.74		3.33		3.30	
COP (17° F)	W/W	2.86	2.76		2.74		2.58		2.35	
COP (5° F)	W/W	1.96	2.18		2.19		2.40		2.00	

PERFORMANCE

FV4 Fan Coil										
Outdoor Model	38MAQB12R--3		38MAQB18R--3		38MAQB24R--3		38MAQB30R--3		38MAQB36R--3	
Indoor Model	FV4CNF002L		FV4CNF002L		FV4CNF002L		FV4CN(B,F)003L		FV4CN(B,F)003L	
ENERGY STAR®	NO		NO		NO		NO		NO	
Cooling System Tons	0.9		1.5		1.9		2.4		2.9	
Cooling Rated Capacity	Btu/h	11,200	17,800		23,000		28,800		34,600	
Cooling Cap. Range Min - Max	Btu/h	5,900~17,090	9,200~27,650		8,400~33,670		10,800~27,650		11,600~40,610	
SEER	18.0		18.0		17.0		17.5		15.5	
EER	12.0		11.5		11.5		11.0		8.8	
Heating Rated Capacity (47° F)	Btu/h	10,400	18,600		23,600		29,200		37,800	
Heating Rated Capacity (17° F)	Btu/h	6,400	11,000		14,000		20,200		21,200	
Heating Maximum Capacity (17° F)	Btu/h	16,440	18,600		23,910		23,910		25,710	
Heating Maximum Capacity (5° F)	Btu/h	11,710	15,960		23,890		22,400		19,900	
Heating Cap. Range Min - Max	Btu/h	3,700~17,800	7,500~20,300		11,900~32,580		9,300~33,500		12,200~36,500	
HSPF	10.0		10.0		10.5		10.5		8.7	
COP (47° F)	W/W	3.60	3.65		3.85		3.15		3.05	
COP (17° F)	W/W	2.50	2.50		2.70		2.50		2.15	
COP (5° F)	W/W	2.15	3.02		2.59		2.55		1.98	

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