



# brisa



# HEATING AND COOLING **YOU CAN COUNT ON**

# SINGLE-ZONE



MODEL		BRS09HPL1	BRS12HPL1	BRS09HPJ1	BRS12HPJ1	BRS18HPJ1	BRS24HPJ1	BRS30HPJ1	BRS36HPJ1
System Type		HEAT PUMP							
<b>SYSTEM PERFORMANCE</b>									
Cooling Capacity (Min-Max)	Btu/h	9000 (2764 - 9724)	12000 (3753 - 12500)	9100 (2457 - 9600)	12000 (1024 - 12624)	17400 (4094 - 20000)	22000 (5900 - 25200)	30000 (4100 - 33100)	33600 (5951 - 36000)
Heating Capacity (Min-Max)	Btu/h	9500 ( 2081 - 12283)	13000 (3412 - 15013)	9500 (2457 - 11500)	13000 (2388 - 13648)	18000 (4100 - 21000)	24000 (4500 - 25900)	30000 (7848 - 36000)	34600 (8530 - 37020)
SEER / EER		18 / 10	18 / 10.05	17 / 10.25	17 / 9.25	16 / 8.5	19 / 11.25	18 / 10.55	18 / 9.21
HSPF / COP		9 / 3.2	9 / 3.05	9 / 3.6	9 / 3.25	9 / 3	10 / 3.4	9 / 3.3	9 / 2.8
Energy Star®		NO				NO			
Cooling Temperature Range	*F	0 - 115	0 - 115	0 - 115	0 - 115	0 - 115	0 - 115	-4 - 115	-4 - 115
Heating Temperature Range	*F	-4 - 75	-4 - 75	-4 - 75	-4 - 75	-4 - 75	-4 - 75	-13 - 75	-13 - 75
<b>INDOOR UNIT</b>									
		BRS09HPL1A	BRS12HPL1A	BRS09HPJ1A	BRS12HPJ1A	BRS18HPJ1A	BRS24HPJ1A	BRS30HPJ1A	BRS36HPJ1A
Air flow (Min-Max)	CFM	171 - 318	194 - 400	182 - 294	182 - 371	335 - 471	412 - 677	441 - 824	441 - 824
Sound Pressure Level (Cooling / Heating)	dB(A)	28 - 43 / 28 - 43	29 - 43 / 29 - 43	26 - 39 / 29 - 41	28 - 42 / 30 - 43	35 - 47 / 35 - 46	37 - 49 / 36 - 47	37 - 55 / 41 - 55	37 - 55 / 41 - 55
Dehumidification	pt/hr	1.69	2.96	1.69	2.96	3.8	4.23	6.34	7.4
Condensate Drain Size (OD)	in	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
Unit Dimension (WxHxD)	in	31 1/8 x 10 5/6 x 7 7/8	33 1/4 x 11 3/8 x 8 1/4	31 1/8 x 10 3/4 x 7 7/8	33 1/4 x 11 1/4 x 8 3/8	38 1/8 x 11 3/4 x 8 3/4	42 1/4 x 12 3/4 x 9 5/8	53 1/8 x 12 3/4 x 10	53 1/8 x 12 3/4 x 10
Package Dimension (WxHxD)	in	33 1/2 x 13 5/16 x 10 5/16	36 1/8 x 14 1/3 x 11	33 1/2 x 13 5/16 x 10 5/16	36 1/8 x 14 5/16 x 10 7/8	40 7/8 x 15 x 12	44 1/4 x 15 3/4 x 13	56 5/8 x 16 7/16 x 13 3/4	56 5/8 x 16 7/16 x 13 3/4
Weight (Net / Gross)	lbs	19.8 / 24.3	23.2 / 27.6	19.8 / 24.3	22 / 26.5	29.8 / 36.4	37.5 / 45.2	43 / 52.9	44.1 / 54
<b>OUTDOOR UNIT</b>									
		BRS09HPL10A	BRS12HPL10A	BRS09HPJ10A	BRS12HPJ10A	BRS18HPJ10A	BRS24HPJ10A	BRS30HPJ10A	BRS36HPJ10A
Compressor Type		2 - STAGE INVERTER							
Sound Pressure Level (Cooling / Heating)	dB(A)	52 / 52	53 / 53	50 / 50	52 / 52	56 / 56	59 - 69 / 59 - 69	60 - 70 / 60 - 70	59 - 69 / 59 - 69
Unit Dimension (WxHxD)	in	33 3/8 x 17 1/4 x 12 5/8	33 3/8 x 17 1/4 x 12 5/8	30 5/8 x 21 1/4 x 10 1/8	30 5/8 x 21 1/4 x 10 1/8	35 3/4 x 25 5/8 x 12 1/4	35 3/4 x 25 5/8 x 12 1/4	39 3/8 x 31 1/8 x 14 9/16	39 3/8 x 31 1/8 x 14 9/16
Package Dimension (WxHxD)	in	34 9/16 x 22 7/8 x 14 3/16	34 9/16 x 22 7/8 x 14 3/16	32 5/16 x 22 7/8 x 13 13/16	32 5/16 x 22 7/8 x 13 13/16	37 13/16 x 26 3/4 x 16 1/8	37 13/16 x 26 3/4 x 16 1/8	42 1/2 x 33 1/8 x 19 1/8	42 1/2 x 33 1/8 x 19 1/8
Weight (Net / Gross)	lbs	62.8 / 68.4	67.3 / 72.8	58.4 / 63.9	62.8 / 68.4	87.7 / 93.7	97 / 103.6	138.9 / 149.9	140 / 151
Refrigerant Charge - R410A	oz	24.7	31.8	24	28.2	42.3	52.9	77.6	88.2
Coil Type		Aluminum Fin-Copper Tube / Acrylic Resin Protection							
<b>REFRIGERANT PIPING</b>									
Line Set Size (Liquid - Gas)	in	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 5/8	1/4 - 5/8	1/4 - 5/8
Pre-Charge Length	ft	25							
Pipe Length (Min / Max)	ft	10 / 66	10 / 98	10 / 49	10 / 66	10 / 82	10 / 82	10 / 82	10 / 82
Max. Pipe Elevation	ft	33	49	33	33	33	33	33	33
<b>ELECTRICAL</b>									
Power Supply		115V / 1Ph / 60Hz				208-230V / 1Ph / 60Hz			
Rated Current Cooling	amps	12.66	13.5	6.3	6.5	10	11	15	18
Rated Current Heating	amps	10.65	13.8	6.2	6.3	10.5	10	16.5	19
MCA	amps	17	20	10	9	15	19	24	24
MOCP	amps	25	30	15	15	20	30	35	35
Main Power Wire Size	AWG	Per Local Code							
Interconnecting Wire Size	AWG	14 / 4							
<b>LIMITED WARRANTY</b>		<b>3 YEAR PARTS / 5 COMPRESSOR</b>							

# MULTI-ZONE



MODEL		MBRS18HPJ10A	MBRS24HPJ10A	MBRS30HPJ10A	MBRS36HPJ10A	MBRS42HPJ10A
System Type		HEAT PUMP				
Number of Zones		1 - 2	1 - 3	1 - 4	1 - 5	1 - 5
<b>SYSTEM PERFORMANCE (Non-Ducted Indoor Units)</b>						
Cooling Capacity (Min-Max)	Btu/h	18000 (6998 - 21001)	24000 (7500 - 33000)	28400 (8189 - 33438)	34000 (8871 - 35826)	38999 (8871 - 40944)
Heating Capacity (Min-Max)	Btu/h	19000 (7000 - 22600)	26000 (7500 - 27978)	30000 (8189 - 32414)	42500 (8871 - 44356)	45004 (8871 - 46062)
SEER / EER		22 / 12.5	21 / 12.5	21 / 12.5	21 / 12.5	21 / 10.4
HSPF / COP		11 / 3.7	11 / 3.7	11 / 3.7	11.5 / 3.7	10.2 / 3.6
Energy Star®		YES				NO
<b>OUTDOOR UNIT</b>						
Cooling Temperature Range	°F	0 - 118	0 - 118	0 - 118	0 - 118	0 - 118
Heating Temperature Range	°F	-4 - 75	-4 - 75	-4 - 75	-4 - 75	-4 - 86
Compressor Type		2 - STAGE ROTARY INVERTER				
Sound Pressure Level (Cooling / Heating)	dB(A)	53 / 58	59 / 60	61 / 60	59 / 62	62 / 60
Unit Dimension (WxHxD)	in	37 5/8 x 15 5/8 x 27 5/8	38 5/8 x 16 13/16 x 31 1/8	38 5/8 x 16 13/16 x 31 1/8	42 13/16 x 17 5/16 x 43 7/16	42 13/16 x 17 5/16 x 43 7/16
Package Dimension (WxHxD)	in	40 7/16 x 17 7/8 x 28 7/8	42 1/2 x 19 1/8 x 33 1/8	42 1/2 x 19 1/8 x 33 1/8	45 1/2 x 18 7/8 x 45 1/2	45 1/2 x 18 7/8 x 45 1/2
Weight (Net / Gross)	lbs	114.6 / 124.6	153.2 / 164.2	154.32 / 169.8	198.4 / 216.1	198.4 / 216.1
Refrigerant Charge - R410A	oz	56.4	77.6	98.8	128.8	128.8
Coil Type		Aluminum Fin-Copper Tube / Acrylic Resin Protection				
<b>REFRIGERANT PIPING</b>						
Port Size (Liquid - Gas)	Port A (in)	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8
	Port B (in)	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8
	Port C (in)		1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8
	Port D (in)			1/4 - 3/8	1/4 - 3/8	1/4 - 3/8
	Port E (in)				1/4 - 3/8	1/4 - 3/8
Pre-Charge Length	ft	33	98	131	131	131
Pipe Length (Min / Max)	ft	10 / 65	10 / 197	10 / 230	10 / 246	10 / 246
Pipe Length to furthest Indoor Unit	ft	33	65	82	82	82
Max. Pipe Elevation	ft	33	33	49	49	49
<b>ELECTRICAL</b>						
Power Supply		208-230V / 1Ph / 60Hz				
Rated Current Cooling	amps	12.4	15.9	16.8	16.8	25
Rated Current Heating	amps	12.4	15.9	16.8	16.8	25
MCA	amps	16	23	20	23	24
MOCP	amps	25	30	30	35	40
Main Power Wire Size	AWG	Per Local Code				
Interconnecting Wire Size	AWG	14 / 4				
<b>LIMITED WARRANTY</b>			<b>3 YEAR PARTS / 5 COMPRESSOR</b>			

**Note:** Ductless Split Equipment should be installed by a qualified, licensed technician to ensure proper installation, safe operation and adherence to federal, state and local codes. Warranty requires proof of Professional Installation. See Installation Guide for details.

INDOOR UNITS FOR MBRS MUTLI-ZONE MODELS		BRS09HPJ1IA	BRS12HPJ1IA	BRS18HPJ1IA	BRS24HPJ1IA
System Type		HEAT PUMP			
Cooling Capacity (Min-Max)	Btu/h	9100 (2457 - 9600)	12000 (1024 - 12624)	17400 (4094 - 20000)	22000 (5900 - 25200)
Heating Capacity (Min-Max)	Btu/h	9500 (2457 - 11500)	13000 (2388 - 13648)	18000 (4100 - 21000)	24000 (4500 - 25900)
Energy Star®		Check Outdoor Unit Match-ups for Energy Star Qualification			
Air flow (Min-Max)	CFM	182 - 294	182 - 371	335 - 471	412 - 677
Sound Pressure Level (Cooling / Heating)	dB(A)	26 - 39 / 29 - 41	28 - 42 / 30 - 43	35 - 47 / 35 - 46	37 - 49 / 36 - 47
Dehumidification	pt/hr	1.69	2.96	3.8	4.23
Condensate Drain Size	in	5/8	5/8	5/8	5/8
Unit Dimension (WxHxD)	in	31 1/8 x 10 3/4 x 7 7/8	33 1/4 x 11 1/4 x 8 3/8	38 1/8 x 11 3/4 x 8 3/4	42 1/4 x 12 3/4 x 9 5/8
Package Dimension (WxHxD)	in	33 1/2 x 10 5/16 x 13 5/16	36 1/8 x 14 5/16 x 10 7/8	40 7/8 x 12 x 15	44 1/4 x 13 x 15 3/4
Weight (Net / Gross)	lbs	19.8 / 24.3	22 / 26.5	29.8 / 36.4	37.5 / 45.2
Line Set Size (Liquid - Gas)	in	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 5/8
Power Supply		208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)			
<b>LIMITED WARRANTY</b>		<b>3 YEAR PARTS / 5 COMPRESSOR</b>			

MODEL NUMBER	ONE UNIT	TWO UNITS	THRE UNITS	FOUR UNITS	FIVE UNITS
MBRS18HPJ10A	9	9+9			
	12	9+12			
		12+12			
	<b>Above sizes plus:</b>	<b>Above sizes plus:</b>			
MBRS24HPJ10A	18	9+18	9+9+9		
		12+18	9+9+12		
		18+18	9+9+18		
			9+12+12		
			12+12+12		
	<b>Above sizes plus:</b>	<b>Above sizes plus:</b>	<b>Above sizes plus:</b>		
MBRS30HPJ10A	24	9+24	9+9+24	9+9+9+9	
		12+24	9+12+18	9+9+9+12	
		18+24	12+12+18	9+9+9+18	
				9+9+12+12	
	<b>Above sizes</b>	<b>Above sizes plus:</b>	<b>Above sizes plus:</b>	<b>Above sizes plus:</b>	
MBRS36HPJ10A		9+24	9+9+24	9+9+9+24	9+9+9+9+9
		12+24	9+12+24	9+9+12+18	9+9+9+9+12
		18+24	9+18+18	9+9+12+24	9+9+9+9+18
		24+24	9+18+24	9+9+18+18	9+9+9+12+12
			12+12+24	9+12+12+12	
			12+18+18	9+12+12+18	
			12+18+24	12+12+12+12	
		18+18+18	12+12+12+18		
	<b>Above sizes</b>	<b>Above sizes plus:</b>	<b>Above sizes plus:</b>	<b>Above sizes plus:</b>	
MBRS42HPJ10A			9+24+24	9+9+18+24	9+9+9+9+24
			12+24+24	9+12+12+24	9+9+9+12+18
			18+18+24	9+12+18+18	9+9+9+12+24
				9+12+18+24	9+9+9+18+18
				9+18+18+18	9+9+12+12+12
				12+12+12+24	9+9+12+12+18
				12+12+18+18	9+12+12+12+12
				9+12+12+12+18	
				12+12+12+12+12	



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