

BOREAL



MULTI GEN2		MBRS18HPJ1OE	MBRS24HPJ1OE	MBRS30HPJ1OE	MBRS36HPJ1OE	MBRS42HPJ1OE
System Type		HEAT PUMP				
Number of Zones		2	2 - 3	2 - 4	2 - 4	2 - 5
SYSTEM PERFORMANCE (Non-Ducted Indoor Units)						
Cooling Capacity (Min-Max)	Btu/h	17000 (7000 - 19600)	23200 (7500 - 31400)	284000 (8190 - 34100)	34000 (8871 - 35826)	36000 (8871 - 40944)
Heating Capacity (Min-Max)	Btu/h	18000 (7000 - 19600)	24000 (7500 - 31400)	30000 (8190 - 40900)	36000 (8871 - 44356)	40000 (8871 - 46062)
SEER2 / EER2		21 / 12	21 / 12.5	21 / 12.5	21 / 12	21 / 12
HSPF2 / COP		10 / 3.8	10 / 3.9	10 / 3.9	10 / 3.6	10 / 3.9
Energy Star®		YES	YES	YES	YES	YES
SYSTEM PERFORMANCE (Ducted Indoor Units)						
Cooling Capacity (Min-Max)	Btu/h	17000 (7000 - 19600)	23200 (7500 - 31400)	284000 (8190 - 34100)	34000 (8871 - 35826)	36000 (8871 - 40944)
Heating Capacity (Min-Max)	Btu/h	18000 (7000 - 19600)	24000 (7500 - 31400)	30000 (8190 - 40900)	36000 (8871 - 44356)	40000 (8871 - 46062)
SEER2 / EER2		16 / 11	16 / 11	16 / 11	16 / 11	16 / 11
HSPF2 / COP		8 / 3.3	8 / 3.4	8 / 3.4	8 / 3.3	8 / 3.5
Energy Star®		NO	NO	NO	NO	NO
SYSTEM PERFORMANCE (Mixed Ducted and Non-Ducted Indoor Units)						
Cooling Capacity (Min - Max)	Btu/h	17000 (7000 - 19600)	23200 (7500 - 31400)	284000 (8190 - 34100)	34000 (8871 - 35826)	36000 (8871 - 40944)
Heating Capacity (Min - Max)	Btu/h	18000 (7000 - 19600)	24000 (7500 - 31400)	30000 (8190 - 40900)	36000 (8871 - 44356)	40000 (8871 - 46062)
SEER2 / EER2		18.5 / 11.5	18.5 / 11.8	18.5 / 11.8	18.5 / 11.5	18.5 / 11.5
HSPF2 / COP		9 / 3.6	9 / 3.7	9 / 3.7	9 / 3.5	9 / 3.7
Energy Star®		NO	YES	YES	NO	NO
OUTDOOR UNIT DATA		MBRS18HPJ1OE	MBRS24HPJ1OE	MBRS30HPJ1OE	MBRS36HPJ1OE	MBRS42HPJ1OE
Cooling Temperature Range	°F	-22 - 118	-22 - 118	-22 - 118	-22 - 118	-22 - 118
Heating Temperature Range	°F	-22 - 75	-22 - 75	-22 - 75	-22 - 75	-22 - 75
Refrigerant Type		R410A				
Compressor Type		G-10 / 2 - STAGE INVERTER				
Sound Pressure Level	dB(A)	53	58	63	63	63
External Dimensions (W x H x D)	in	32-3/8 x 21-11/16 x 13-7/8	38 x 26 x 15-7/8	40-3/16 x 32-9/16 x 16-13/16	40-3/16 x 32-9/16 x 16-13/16	40-3/16 x 32-9/16 x 16-13/16
Package Dimension (W x H x D)	in	34-3/8 x 24-7/16 x 15-11/16	40-5/8 x 29 x 18	43 x 34-7/8 x 19-5/8	43 x 34-7/8 x 19-5/8	43 x 34-7/8 x 19-5/8
Weight (Net / Gross)	lbs	77.2 / 82.7	114.6 / 124.6	152.1 / 167.6	172.0 / 187.4	174.2 / 189.6
REFRIGERANT PIPING						
Refrigerant Charge - R410A	oz	45.9	84.6	105.8	130.5	134
Additional Charge	oz/ft	0.2	0.2	0.2	0.2	0.2
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	164
Pipe Length (Min - Max)	ft	10 - 131	10 - 197	10 - 263	10 - 263	10 - 328
Pipe Length to furthest Indoor Unit	ft	66	66	82	82	82
Max. Pipe Elevation	ft	49	49	82	82	82
ELECTRICAL						
Power Supply		208-230V / 1Ph / 60Hz				
Voltage Range (Min - Max)	VAC	187 - 253				
Rated Current - Cooling	A	10	15	22	23	23
Rated Current - Heating	A	10	15	22	23	23
MCA	A	15	19	23	29	29
MOCP	A	20	25	35	45	45
Main Power Wire Size	AWG	Per Local Code				
Interconnecting Wire Size	AWG	14 / 4				
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial				



Version: 20 October 2023

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WALL MOUNT

Slim compact design hangs inconspicuously on the wall and mixes with most interior designs. Built-in WIFI technology allows local to long distance control from smartphones with the smart app.



MODEL		KULA09HPJ1A	KULA12HPJ1A	KULA18HPJ1A	KULA24HPJ1A
System Type					
SYSTEM PERFORMANCE					
Cooling Capacity (Min-Max)	Btu/h	9100 (1535 - 10747)	12000 (3071 - 14098)	18000 (5118 - 21154)	22000 (8870 - 28000)
Heating Capacity (Min-Max)	Btu/h	10500 (3412 - 14672)	12000 (3071 - 15501)	18000 (5118 - 21154)	24000 (7200 - 30708)
SEER2 / EER2		25.5 / 14.7	24 / 12.5	23.5 / 13	24.5 / 13.1
HSPF2 / COP		10.2 / 3.9	9 / 3.8	9 / 3.8	9.5 / 3.8
Energy Star®		YES	YES	YES	YES
INDOOR UNIT DATA		KULA09HPJ1A	KULA12HPJ1A	KULA18HPJ1A	KULA24HPJ1A
Air Flow (Min-Max)	CFM	159 - 353	182 - 424	353 - 618	412 - 677
Sound Pressure Level (Min-Max)	dB(A)	25 - 40	27 - 43	29 - 49	34 - 52
Dehumidification	pt/hr	1.69	2.96	3.80	5.07
External Dimensions (W x H x D)	in	32-1/2 x 11-9/16 x 7-3/4	32-1/2 x 11-9/16 x 7-3/4	38-11/16 x 12-1/4 x 8-3/4	42-3/8 x 13-1/8 x 9-11/16
Package Dimension (W x H x D)	in	34-7/16 x 14-3/8 x 10-9/16	34-7/16 x 14-3/8 x 10-9/16	41-1/8 x 15-3/16 x 11-3/4	44-5/8 x 16-5/16 x 13-1/8
Weight (Net / Gross)	lbs	20.9 / 25.4	20.9 / 25.4	28.7 / 35.3	35.3 / 41.9
REFRIGERANT PIPING					
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	1/4 - 5/8	1/4 - 5/8
ELECTRICAL					
Power Supply	208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)				
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial			

CEILING CASSETTE

Suitable for any room; installs easily in suspended ceilings.



MODEL		BCAS12HPJ1CA	BCAS18HPJ1CA	BCAS24HPJ1CA
System Type		HEAT PUMP		
SYSTEM PERFORMANCE				
Cooling Capacity - Nominal	Btu/h	12000	14400	22800
Heating Capacity - Nominal	Btu/h	13000	16000	27400
SEER2 / EER2		24 / 12.5	19 / 10.3	21 / 13.1
HSPF2 / COP		8.5 / 4	9.5 / 3.3	9.5 / 3.6
Energy Star®		YES	NO	YES
INDOOR UNIT DATA		BCAS12HPJ1CA	BCAS18HPJ1CA	BCAS24HPJ1CA
Air Flow (Min-Max)	CFM	265 - 383	265 - 418	518 - 753
Sound Pressure Level (Min - Max)	dB(A)	34 - 44	35 - 47	36 - 47
Dehumidification	pt/hr	3.0	3.8	5.3
External Dimensions (W x H x D)	in	23-1/2 x 9-1/2 x 23-1/2	23-1/2 x 9-1/2 x 23-1/2	33 x 9-1/2 x 33
Package Dimension (W x H x D)	in	30-1/2 x 11-1/4 x 29	30-1/2 x 11-1/4 x 29	37-1/2 x 12-1/8 x 37-1/2
Weight (Net / Gross)	lbs	55.0 / 66.2	56.3 / 67.3	72.8 / 88.2
CASSETTE GRILLE (Required)		BCASGRILLEBSM	BCASGRILLEBSM	BCASGRILLEBLG
Grille Dimension (W x H x D)	in	26-3/8 x 2 x 26-3/8	26-3/8 x 2 x 26-3/8	37-7/16 x 2-3/8 x 37-7/16
Package Dimension (W x H x D)	in	30 X 3-1/2 X 30	30 X 3-1/2 X 30	40-1/2 x 4-5/8 x 40-3/4
Weight (Net / Gross)	lbs	7.7 / 11.0	7.7 / 11.0	15.4 / 24.3
REFRIGERANT PIPING				
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	3/8 - 5/8
ELECTRICAL				
Power Supply	208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)			
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial		

UNIVERSAL FLOOR/CEILING

Slender, lightweight and attractive; ideal for limited spaces.
Suspend from the ceiling or mount low on the wall.



MODEL		BFLR09HPJ1FA	BFLR12HPJ1FA	BFLR18HPJ1FA	BFLR24HPJ1FA
System Type		HEAT PUMP			
SYSTEM PERFORMANCE					
Cooling Capacity - Nominal	Btu/h	8500	11900	17000	22800
Heating Capacity - Nominal	Btu/h	9500	13100	17800	27400
SEER2 / EER2		19 / 13	18.5 / 11.5	19 / 11.3	20 / 13.1
HSPF2 / COP		9.5 / 3.8	8.5 / 3.5	8.3 / 3.3	9 / 3.5
Energy Star®		YES	NO	NO	YES
INDOOR UNIT DATA		BFLR09HPJ1FA	BFLR12HPJ1FA	BFLR18HPJ1FA	BFLR24HPJ1FA
Air Flow (Min-Max)	CFM	257 - 412	257 - 412	241 - 400	424 - 560
Sound Pressure Level (Min-Max)	dB(A)	26 - 38	26 - 38	27 - 38	27 - 38
Dehumidification	pt/hr	1.7	3.0	3.8	5.3
External Dimensions (W x H x D)	in	34-1/4 x 26-1/4 x 9-1/4	34-1/4 x 26-1/4 x 9-1/4	34-1/4 x 26-1/4 x 9-1/4	47-1/4 x 26-1/4 x 9-1/4
Package Dimension (W x H x D)	in	40-1/2 x 30-1/4 x 11-1/4	40-1/2 x 30-1/4 x 11-1/4	40-1/2 x 30-1/4 x 11-1/4	53-1/2 x 30-1/4 x 11-1/4
Weight (Net / Gross)	lbs	55.0 / 66.2	55.0 / 66.2	56.3 / 67.3	72.8 / 88.2
REFRIGERANT PIPING					
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8
ELECTRICAL					
Power Supply		208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)			
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial			

SLIM DUCT

Hides above a suspended ceiling or in closet space;
delivers air via ducting or suitable ceiling /wall grilles.



MODEL		BDUCT09HPJ1DA	BDUCT12HPJ1DA	BDUCT18HPJ1DA	BDUCT24HPJ1DA
System Type		HEAT PUMP			
SYSTEM PERFORMANCE					
Cooling Capacity - Nominal	Btu/h	9000	12000	18000	24000
Heating Capacity - Nominal	Btu/h	9500	13000	19000	27000
SEER2 / EER2		21 / 13.5	20 / 12.5	21 / 12.7	20 / 13.1
HSPF2 / COP		9 / 3.9	8.5 / 3.8	8.3 / 3.7	9 / 3.9
Energy Star®		YES	YES	YES	YES
INDOOR UNIT DATA		BDUCT09HPJ1DA	BDUCT12HPJ1DA	BDUCT18HPJ1DA	BDUCT24HPJ1DA
Air Flow (Min-Max)	CFM	188 - 324	212 / 353	288 / 589	406 / 736
External Static Pressure	In W.c.	0.6	0.6	0.8	0.8
Sound Pressure Level (Min - Max)	dB(A)	25 - 36	26 - 38	26 - 39	28 - 42
Dehumidification	pt/hr	1.70	3.0	3.8	5.3
External Dimensions (W x H x D)	in	32-11/16 x 11-7/8 x 29-11/16	32-11/16 x 11-7/8 x 29-11/16	44-1/2 x 11-7/8 x 29-3/4	44-1/2 x 11-7/8 x 29-3/4
Package Dimension (W x H x D)	in	35-1/4 x 13-5/8 x 31-3/4	35-1/4 x 13-5/8 x 31-3/4	47-5/16 x 13-5/8 x 32	47-5/16 x 13-5/8 x 32
Weight (Net / Gross)	lbs	71 / 84	71 / 84	93 / 107	93 / 107
REFRIGERANT PIPING					
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8
ELECTRICAL					
Power Supply		208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)			
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial			



Version: 16 November 2023

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