



## VERSATILE CLIMATE CONTROL, POWERFUL AIR DISTRIBUTION



### FLOOR CEILING

- UP TO 25.5 SEER2 / 14.3 EER2 / 9.5 HSPF2 EFFICIENCY
- COOLING RANGE: -20°F - 122°F
- HEATING RANGE: -22°F - 86°F
- MAXIMUM LINE LENGTH: 131 FT.

### INSTALL ON FLOOR OR CEILING FOR EFFICIENT AIRFLOW, WITHOUT OCCUPYING WALL SPACE

With its sleek design and flexible installation options, the floor-ceiling unit is ideal for open spaces or rooms with unique layouts, delivering reliable heating and cooling with the utmost energy efficiency.

- Multiple fan speeds
- Swing louver control
- Multi-Directional Air Flow
- Automatic voltage adaption
- Floor Standing or Ceiling Mount
- Refrigerant sensor
- Remote & Wired controller options
- Anti-corrosion Fins

SYSTEM TYPE			HEAT PUMP													
Indoor Model			FLR09HP230V1R32AH			FLR12HP230V1R32AH			FLR18HP230V1R32AH			FLR24HP230V1R32AH			FLR30HP230V1R32AH	FLR36HP230V1R32AH
Outdoor Model			VIR09HP230V1R32AO	ENV09HP230V1R32AO	SAP09HP230V1R32AO	VIR12HP230V1R32AO	ENV12HP230V1R32AO	SAP12HP230V1R32AO	VIR18HP230V1R32AO	ENV18HP230V1R32AO	SAP18HP230V1R32AO	VIR24HP230V1R32AO	ENV24HP230V1R32AO	SAP24HP230V1R32AO	LIV30HP230V1R32AO	LIV36HP230V1R32AO
SYSTEM PERFORMANCE																
Cooling Capacity	Min - Max	Btu/h	900 - 14,100	900 - 14,100	900 - 14,100	900 - 14,100	900 - 14,100	900 - 14,100	5,100 - 23,200	5,100 - 23,200	5,100 - 23,200	3,600 - 26,500	3,600 - 26,500	3,600 - 26,500	18,975 - 39,326	21,736 - 45,050
	Capacity @95°F	Btu/h	9,100	9,100	9,100	12,000	12,000	12,000	18,000	18,000	18,000	22,000	22,000	22,000	30,000	33,600
Heating Capacity	Min - Max	Btu/h	900 - 15,500	900 - 15,500	900 - 15,500	900 - 15,500	900 - 15,500	900 - 15,500	5,800 - 23,500	5,800 - 23,500	5,800 - 23,500	4,000 - 33,000	4,000 - 33,000	4,000 - 33,000	18,007 - 41,824	18,396 - 42,729
	Capacity @47°F	Btu/h	10,500	10,500	10,500	12,000	12,000	12,000	18,000	18,000	18,000	24,000	24,000	24,000	30,000	34,000
	Capacity @17°F	Btu/h	6,700	6,700	6,200	7,500	7,500	7,500	10,200	10,200	11,800	16,000	16,000	16,000	18,600	18,800
	Capacity Max @5°F	Btu/h	10,000	10,000	10,500	10,500	10,000	10,200	15,800	15,800	17,500	20,000	20,000	21,000	19,400	22,000
SEER2			25.0	25.0	25.5	23.0	23.0	23.0	21.5	21.5	21.5	22.5	22.5	23.0	21.00	21.0
EER2			14.20	14.2	14.3	13.0	13.0	13.0	12.8	12.8	11.25	12.6	12.6	13.0	11.45	11.25
HSPF2			9.6	9.6	9.8	9.5	9.5	9.5	9.5	9.5	9.2	9.5	9.5	9.5	8.0	8.5
COP @5°F			1.95	1.95	1.90	1.90	1.90	1.90	1.90	1.90	1.80	1.80	1.80	1.80	1.80	1.80
Cooling Temperature Range	°F		-20 - 122			-20 - 122			-20 - 122			-20 - 122			0 - 118	
Heating Temperature Range	°F		-22 - 86			-22 - 86			-22 - 86			-22 - 86			-13 - 75	
Refrigerant Type			R32			R32			R32			R32			R32	
INDOOR UNIT			FLR09HP230V1R32AH			FLR12HP230V1R32AH			FLR18HP230V1R32AH			FLR24HP230V1R32AH			FLR30HP230V1R32AH	FLR36HP230V1R32AH
Air flow (Min-Max)	CFM		247 - 412			247 - 412			241 - 400			424 - 559			706 - 1000	895 - 1236
Sound Pressure Level (Min - Max)	dB(A)		26 - 38			26 - 38			26 - 38			26 - 38			44 - 52	44 - 54
Dehumidification	pt/hr		1.69			2.96			3.80			5.28			7.40	7.82
External Dimensions (L x D x H)	in		34-1/4 x 9-1/4 x 26-3/16			34-1/4 x 9-1/4 x 26-3/16			34-1/4 x 9-1/4 x 26-3/16			47-1/4 x 9-1/4 x 26-3/16			47-1/4 x 9-1/4 x 26-3/16	61-13/16 x 26-3/16 x 9-1/4
Package Dimension (L x W x H)	in		40-11/16 x 30-5/16 x 11-13/16			40-11/16 x 30-5/16 x 11-13/16			40-11/16 x 30-5/16 x 11-13/16			53-11/16 x 30-5/16 x 11-13/16			53-11/16 x 30-5/16 x 11-13/16	68-5/64 x 30-5/16 x 11-13/16
Net Weight	lbs		55.1			55.1			56.2			72.8			70.6	92.6
Gross Weight	lbs		66.2			66.2			67.3			88.2			83.8	108.0
OUTDOOR UNIT			VIR09HP230V1R32AO	ENV09HP230V1R32AO	SAP09HP230V1R32AO	VIR12HP230V1R32AO	ENV12HP230V1R32AO	SAP12HP230V1R32AO	VIR18HP230V1R32AO	ENV18HP230V1R32AO	SAP18HP230V1R32AO	VIR24HP230V1R32AO	ENV24HP230V1R32AO	SAP24HP230V1R32AO	LIV30HP230V1R32AO	LIV36HP230V1R32AO
Sound Pressure Level	dB(A)		52	52	56	52	52	55	59	59	59	58	61	62	62	62
External Dimensions (L x D x H)	in		31-37/64 x 13-25/32 x 21-27/32	31 37/64 x 13 25/32 x 21 27/32	34-3/8 x 14-51/64 x 21-27/32	31-37/64 x 13-25/32 x 21-27/32	31 37/64 x 13 25/32 x 21 27/32	34-3/8 x 14-51/64 x 21-27/32	37-23/32 x 15-53/64 x 25-63/64	37-23/32 x 15-53/64 x 25-63/64	37-23/32 x 15-53/64 x 25-63/64	37-23/32 x 15-53/64 x 25-63/64	39-3/8 x 16-13/16 x 29-3/8	39-3/8 x 16-13/16 x 29-3/8	39-3/8 x 15-13/16 x 29-3/8	39-3/8 x 15-13/16 x 29-3/8
Package Dimension (L x W x H)	in		34-21/64 x 15-43/64 x 24-13/32	34 21/64 x 15 43/64 x 24 13/32	37-7/16 x 16-31/32 x 24-13/32	34-21/64 x 15-43/64 x 24-13/32	34 21/64 x 15 43/64 x 24 13/32	37-7/16 x 16-31/32 x 24-13/32	40-5/8 x 17-61/64 x 29-1/64	40-5/8 x 17-61/64 x 29-1/64	40-5/8 x 17-61/64 x 29-1/64	40-5/8 x 17-61/64 x 29-1/64	42-33/64 x 19-1/64 x 31-57/64	42-33/64 x 19-1/64 x 31-57/64	42-33/64 x 19-1/64 x 31-57/64	42-33/64 x 19-1/64 x 31-57/64
Net Weight	lbs		70.6	70.6	78.3	67.3	70.6	78.3	94.8	94.8	94.8	92.6	103.6	115.8	116.8	122.4
Gross Weight	lbs		76.1	76.1	84.9	72.8	76.1	84.9	104.7	104.7	104.7	102.5	114.7	126.8	127.9	133.4
REFRIGERANT PIPING																
Refrigerant Charge - R410A	oz		30	30	35.3	28.2	28.2	47.6	40.6	40.6	47.6	42.3	49.4	56.4	56.4	56.4
Additional Charge	oz/ft		0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4
Line Set Sized by Indoor Unit (Liquid - Gas)	in		1/4 - 3/8			1/4 - 1/2			1/4 - 1/2			1/4 - 5/8			1/4 - 5/8	
Line Set Size (Liquid - Gas) - Flared Connections	in		1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8	1/4 - 5/8	1/4 - 5/8	1/4 - 5/8	1/4 - 5/8	1/4 - 5/8
Pre-Charge Length	ft		25			25			25			25			25	
Pipe Length (Min - Max)	ft		10 - 66	10 - 66	10 - 131	10 - 66	10 - 66	10 - 131	10 - 131	10 - 131	10 - 131	10 - 131	10 - 131	10 - 131	10 - 131	10 - 131
Max. Pipe Elevation	ft		40	40	82	40	40	82	82	82	82	82	82	82	82	82
ELECTRICAL																
Power Supply			208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)			208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)			208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)			208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)			208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)	
Voltage Range (Min - Max)	VAC		187 - 253			187 - 253			187 - 253			187 - 253			187 - 253	
Rated Current - Cooling	A		4.73	4.73	5.9	6.64	6.64	5.9	11.5	5.9	12.5	13	5.9	14	20	20
Rated Current - Heating	A		6	6	7.6	6.41	6.41	7.8	11.5	7.8	16	15.5	7.8	21.5	20	20
MCA	A		10	10	11	10	10	11	16	11	20	22	11	25	25.6	23
MOCP	A		15	15	15	15	15	15	20	15	25	30	15	40	35	35
Suggested Breaker Size	A		10	10	15	10	10	15	20	15	20	25	15	25	30	25
Main Power Wire Size	AWG		Per Local Code			Per Local Code			Per Local Code			Per Local Code			Per Local Code	
Interconnecting Wire Size	AWG		14 / 4			14 / 4			14 / 4			14 / 4			14 / 4	
LIMITED WARRANTY			5 Years Parts, 7 Years Compressor - Residential & Commercial							5 Years Parts, 7 Years Compressor - Residential & Commercial						



Air comfort for all

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