



PERFORMANCE & EFFICIENCY AT A PRICE YOU CAN AFFORD



- UP TO 20.5 SEER2 / 12.5 EER2 / 8.8 HSPF2 EFFICIENCY
- COOLING RANGE: 0°F - 118°F
- HEATING RANGE: -13°F - 75°F
- MAXIMUM LINE LENGTH: 131 FT.
- 115 VOLT OPTION IN 9K & 12K SYSTEMS.

ALL YOU NEED, AT THE RIGHT PRICE.

LIVO systems deliver great performance and efficiency while also keeping your budget in mind. Like all GREE systems, the variable speed compressor and intelligent design allow for ease-of-use, reliability, and quiet operation.

- Auto Clean
- Dehumidification
- I-Feel functionality
- Self-diagnosis
- Multiple fan speeds
- Automatic voltage adaptation
- Low voltage start-up
- Swing louver control

PTAC DIRECT SALES, INC.
185 S. KIMBALL AVE., SUITE 130
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SYSTEM TYPE		HEAT PUMP								
Outdoor Model		LIV09HP115V1R32AO	LIV12HP115V1R32AO	LIV09HP230V1R32AO	LIV12HP230V1R32AO	LIV18HP230V1R32AO	LIV24HP230V1R32AO	LIV30HP230V1R32AO	LIV36HP230V1R32AO	
Indoor Model		LIV09HP115V1R32AH	LIV12HP115V1R32AH	LIV09HP230V1R32AH	LIV12HP230V1R32AH	LIV18HP230V1R32AH	LIV24HP230V1R32AH	LIV30HP230V1R32AH	LIV36HP230V1R32AH	
SYSTEM PERFORMANCE										
Cooling Capacity	Min - Max	Btu/h	2,700 - 11,600	3,070 - 13,300	2,388 - 10,300	3,070 - 13,300	3,753 - 20,300	5,800 - 26,270	3,000 - 36,000	7,850 - 37,500
	Rated Capacity @95°F	Btu/h	9,100	12,000	9,100	12,000	18,000	24,000	30,000	33,600
Heating Capacity	Min - Max	Btu/h	2,400 - 13,300	3,070 - 14,600	2,217 - 13,136	3,070 - 14,600	2,730 - 22,500	5,400 - 26,600	5,800 - 35,500	10,000 - 37,500
	Rated Capacity @47°F	Btu/h	10,000	12,000	10,000	12,000	19,100	24,000	30,000	34,000
	Rated Capacity @17°F	Btu/h	8,100	9,700	8,100	9,700	15,300	19,200	24,000	27,400
	Rated Capacity @5°F	Btu/h	7,600	8,500	7,600	9,100	12,100	15,700	23,000	24,600
SEER2			20.5	19.0	20.5	19.0	20.0	19.0	22.0	21.0
EER2			11.9	9.3	12.5	9.75	12.35	11.9	10.9	10.6
HSPF2			8.8	8.5	8.8	8.5	8.5	8.5	9.0	8.5
COP @5°F			1.86	1.75	1.94	1.75	1.75	1.75	1.8	1.8
Energy Star® South			NO	NO	NO	NO	NO	NO	NO	NO
Energy Star® Certified with Cold Climate Designation			NO	NO	NO	NO	NO	NO	NO	YES
Cooling Temperature Range		°F	0 - 118	0 - 118	0 - 118	0 - 118	0 - 118	0 - 118	-4 - 122	-4 - 122
Heating Temperature Range		°F	-13 - 75	-13 - 75	-13 - 75	-13 - 75	-13 - 75	-13 - 75	-13 - 75	-13 - 75
Refrigerant Type			R32							
INDOOR UNIT			LIV09HP115V1R32AH	LIV12HP115V1R32AH	LIV09HP230V1R32AH	LIV12HP230V1R32AH	LIV18HP230V1R32AH	LIV24HP230V1R32AH	LIV30HP230V1R32AH	LIV36HP230V1R32AH
Air flow (Min - Max)	CFM		159 - 353	182 - 424	159 - 353	182 - 424	282 - 618	412 - 677	441 - 794	441 - 794
Sound Pressure Level (Min - Max)	dB(A)		24 - 43	27 - 47	24 - 41	27 - 47	34 - 53	36 - 51	36 - 52	36 - 52
Dehumidification	pt/hr		1.69	2.96	1.69	2.96	3.80	5.28	7.40	7.40
External Dimensions (W x H x D)	in		32-7/8 x 10-53/64 x 7-7/8	32-7/8 x 10-53/64 x 7-7/8	32-7/8 x 10-53/64 x 7-7/8	32-7/8 x 10-53/64 x 7-7/8	37-1/8 x 13-7/64 x 9-11/16	42-7/16 x 13-7/64 x 9-11/16	42-7/16 x 13-7/64 x 9-11/16	42-7/16 x 13-7/64 x 9-11/16
Package Dimension (W x H x D)	in		35-15/64 x 13-37/64 x 10-43/64	35-15/64 x 13-37/64 x 10-43/64	35-15/64 x 13-37/64 x 10-43/64	35-15/64 x 13-37/64 x 10-43/64	39-13/32 x 15-15/16 x 12-43/64	44-39/64 x 16-19/64 x 13-7/64	44-39/64 x 16-19/64 x 13-7/64	44-39/64 x 16-19/64 x 13-7/64
Net Weight	lbs		19.8	19.8	19.8	19.8	28.7	33.1	34.2	34.2
Gross Weight	lbs		24.3	24.3	24.3	24.3	34.2	39.7	40.8	40.8
OUTDOOR UNIT			LIV09HP115V1R32AO	LIV12HP115V1R32AO	LIV09HP230V1R32AO	LIV12HP230V1R32AO	LIV18HP230V1R32AO	LIV24HP230V1R32AO	LIV30HP230V1R32AO	LIV36HP230V1R32AO
Compressor Type			GREE G20 / SINGLE CYLINDER / 1 - STAGE INVERTER							
Sound Pressure Level	dB(A)		51	52	51	52	57	58	62	62
External Dimensions (W x H x D)	in		28-13/16 x 21-7/8 x 12-63/64	28-13/16 x 21-7/8 x 12-63/64	28-13/16 x 21-7/8 x 12-63/64	28-13/16 x 21-7/8 x 12-63/64	31-37/64 x 21-27/32 x 13-25/32	37-23/32 x 25-63/64 x 15-53/64	39-3/8 x 29-3/8 x 15-13/16	39-3/8 x 29-3/8 x 15-13/16
Package Dimension (W x H x D)	in		31-17/64 x 24-7/32 x 14-51/64	31-17/64 x 24-7/32 x 14-51/64	31-17/64 x 24-7/32 x 14-51/64	31-17/64 x 24-7/32 x 14-51/64	34-21/64 x 24-13/32 x 15-43/64	40-5/8 x 29-1/64 x 17-61/64	42-33/64 x 31-57/64 x 19-1/64	42-33/64 x 31-57/64 x 19-1/64
Net Weight	lbs		55.1	58.4	52.9	56.2	70.6	93.7	116.8	122.4
Gross Weight	lbs		60.6	63.9	58.4	61.7	76.1	103.6	127.9	133.4
REFRIGERANT PIPING										
Refrigerant Charge - R32	oz		18.7	17.6	18.7	17.6	32.5	42.3	56.4	56.4
Additional Charge	oz/ft		0.2	0.2	0.2	0.2	0.2	0.1	0.4	0.4
Line Set Size (Liquid - Gas) - Flared Connections	in		1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8	1/4 - 5/8
Pre-Charge Length	ft		25							
Pipe Length (Min - Max)	ft		10 - 66	10 - 66	10 - 66	10 - 66	10 - 82	10 - 131	10 - 131	10 - 131
Max. Pipe Elevation	ft		40	40	40	40	33	82	82	82
ELECTRICAL										
Power Supply			115V / 1Ph / 60Hz (Powered by the Outdoor Unit)			208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)				
Voltage Range (Min - Max)	VAC		103 - 126			187 - 253				
Rated Current - Cooling	A		12.5	14.34	6.5	7.02	9.5	11	20	20
Rated Current - Heating	A		15.4	14.64	7	7.47	9.5	12	20	20
MOCP	A		20	20	15	15	15	20	30	35
MCA	A		19	19	10	12	13	15	27	24
Main Power Wire Size	AWG		Per Local Code							
Interconnecting Wire Size	AWG		14 / 4							
LIMITED WARRANTY			5 Years Parts, 7 Years Compressor - Residential & Commercial							