



EVEN, CONSISTENT COMFORT WITHOUT SACRIFICING AESTHETICS



SLIM DUCT

- UP TO 22.3 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.

A LOW PROFILE DESIGN THAT MAINTAINS CONSISTENT COMFORT AND EFFICIENCY

Install a slim duct in a ceiling or wall for a concealed HVAC solution that distributes air through minimal ductwork. Operating quietly and efficiently, the slim duct is nearly invisible in any room as it delivers consistent comfort in heating or cooling.

- High E.S.P Capability -Adjustable
- Slim line construction
- Outside air capability
- Cleanable air filter
- Flexible Return Air From Bottom Or Rear
- Internal condensate pump
- Sentry float switch
- Refrigerant sensor

SYSTEM TYPE		HEAT PUMP																
Indoor Model		DUC09HP230V1R32AH			DUC12HP230V1R32AH			DUC18HP230V1R32AH			DUC24HP230V1R32AH			DUC30HP230V1R32AH		DUC36HP230V1R32AH		
Outdoor Model		VIR09HP230V1R32AO	ENV09HP230V1R32AO	SAP09HP230V1R32AO	VIR12HP230V1R32AO	ENV12HP230V1R32AO	SAP12HP230V1R32AO	VIR18HP230V1R32AO	ENV18HP230V1R32AO	SAP18HP230V1R32AO	VIR24HP230V1R32AO	ENV24HP230V1R32AO	SAP24HP230V1R32AO	LIV30HP230V1R32AO	LIV36HP230V1R32AO			
SYSTEM PERFORMANCE																		
Cooling Capacity	Min - Max	Btu/h	2,500 - 12,200	2,500 - 12,200	2,500 - 12,500	2,388.4 - 15,354	2,388.4 - 15,354	1,842 - 15,354	5,118 - 23,543	5,118 - 23,543	4,435 - 25,930	2,730 - 29,000	2,730 - 29,000	4,780 - 32,400	4,360 - 37,500	10,800 - 42,900		
	Rated 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	2,900 - 13,600	2,900 - 13,600	2,300 - 15,000	3,070.8 - 14,159.8	3,070.8 - 14,159.8	2,559 - 17,060	4,265 - 23,884	4,265 - 23,884	4,606 - 26,613	3,650 - 28,300	3,650 - 28,300	5,460 - 34,800	4,950 - 35,140	13,600 - 39,200		
	Rated 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		
	Rated Capacity @17°F	Btu/h	8,800	8,800	8,900	10,000	10,000	10,300	14,700	14,700	15,500	19,800	19,800	20,000	24,000	27,200		
	Rated Capacity @5°F	Btu/h	9,500	9,500	9,200	10,500	10,500	10,500	15,000	15,000	15,500	19,600	19,600	21,000	20,400	23,600		
SEER2			22.0	22.0	22.3	21.0	21.0	22.0	22.5	22.5	24.0	19.5	19.5	22.0	18.50	20.0		
EER2			14.2	14.2	14.3	13.0	13.0	13.0	14.0	14.0	13.65	12.3	12.3	12.5	11.25	11.95		
HSPF2			9.2	9.2	9.5	9.0	9.0	9.0	9.0	9.0	9.2	9.0	9.0	9.0	8.5	8.5		
COP @5°F			2.15	2.15	1.80	1.90	1.90	1.90	1.90	1.90	1.80	1.80	1.80	1.80	1.80	1.90		
Energy Star®			YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		
Energy Star® Certified with Cold Climate Designation			YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		
Cooling Temperature Range	°F		-20 - 122			-20 - 122			-20 - 122			-20 - 122			-4 - 122			
Heating Temperature Range	°F		-22 - 86			-22 - 86			-22 - 86			-22 - 86			-13 - 75			
Refrigerant Type			R32			R32			R32			R32			R32			
INDOOR UNIT		DUC09HP230V1R32AH			DUC12HP230V1R32AH			DUC18HP230V1R32AH			DUC24HP230V1R32AH			DUC30HP230V1R32AH		DUC36HP230V1R32AH		
Air flow (Min-Max)	CFM		188 - 324			212 - 353			383 - 883			577 - 1030			647 - 883		853 - 1324	
External Static Pressure (Max)	In W.c.		0.6			0.6			0.8			0.8			0.8		0.8	
Sound Pressure Level (Min - Max)	dB(A)		25 - 38			25 - 39			25 - 41			27 - 43			37 - 44		39 - 45	
Dehumidification	pt/hr		1.69			2.96			3.80			4.23			7.40		7.82	
External Dimensions (L x D x H)	in		32-43/64 x 29-11/16 x 11-13/16			32-43/64 x 29-11/16 x 11-13/16			44-31/64 x 29-11/16 x 11-13/16			44-31/64 x 29-11/16 x 11-13/16			35-7/16 x 25-25/32 x 10-15/64		52-3/4 x 25-25/32 x 10-15/64	
Package Dimension (L x W x H)	in		35-5/16 x 31-13/16 x 14-11/16			35-5/16 x 31-13/16 x 14-11/16			47-7/16 x 32-1/64 x 14-11/64			47-7/16 x 32-1/64 x 14-11/64			43-57/64 x 30-25/64 x 12-19/32		61-47/64 x 30-5/16 x 12-23/32	
Net Weight	lbs		70.6			70.6			92.6			92.6			66.2		94.8	
Gross Weight	lbs		83.8			83.8			106.9			106.9			77.2		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	67.3	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	72.8	84.9	104.7	104.7	104.7	102.5	114.7	126.8	127.9	133.4			
REFRIGERANT PIPING																		
Refrigerant Charge - R32	oz	30	30	35.3	28.2	28.2	35.3	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	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4			
Indoor Piping Connection (Liquid - Gas)*	in	1/4 - 3/8			1/4 - 3/8			1/4 - 5/8			1/4 - 5/8			1/4 - 5/8				
Outdoor Piping Connection (Liquid - Gas)	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	7.5	7.5	7.5	6.56	6.56	6.56	11.5	11.5	12.5	13.5	13.5	14.5	18	20			
Rated Current - Heating	A	7.5	7.5	7.5	7.13	7.13	8.53	11.5	11.5	16	16	16	20	22	20			
MOCP	A	15	15	15	15	15	15	20	20	25	30	30	30	30	35			
MCA	A	10	10	11	10	10	11	16	16	23	22	22	25.5	27	24			
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									

* Refrigerant piping must be sized by the indoor unit connections. If the outdoor unit connection is a different size from the indoor unit connection, a flare adapter must be purchased separately and installed on the outdoor unit.



Air comfort for all

GREECOMFORT.COM

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