

EZVV SERIES

THRU-THE-WALL/BUILT-IN AIR CONDITIONERS For New Construction and as Replacement for: GE AZ Vertical, Friedrich Vert-I-Pak PRODUCT INFORMATION

The EZVV Inverter Heat Pump incorporates state-of-the-art inverter technology, and is designed and manufactured for new construction or the replacement of vertical terminal air conditioning units in an existing building. The technology is the culmination of years of research to develop a VTAC to clearly lead the market with the low energy consumption and low sound levels. Dramatic

Highest Efficiency

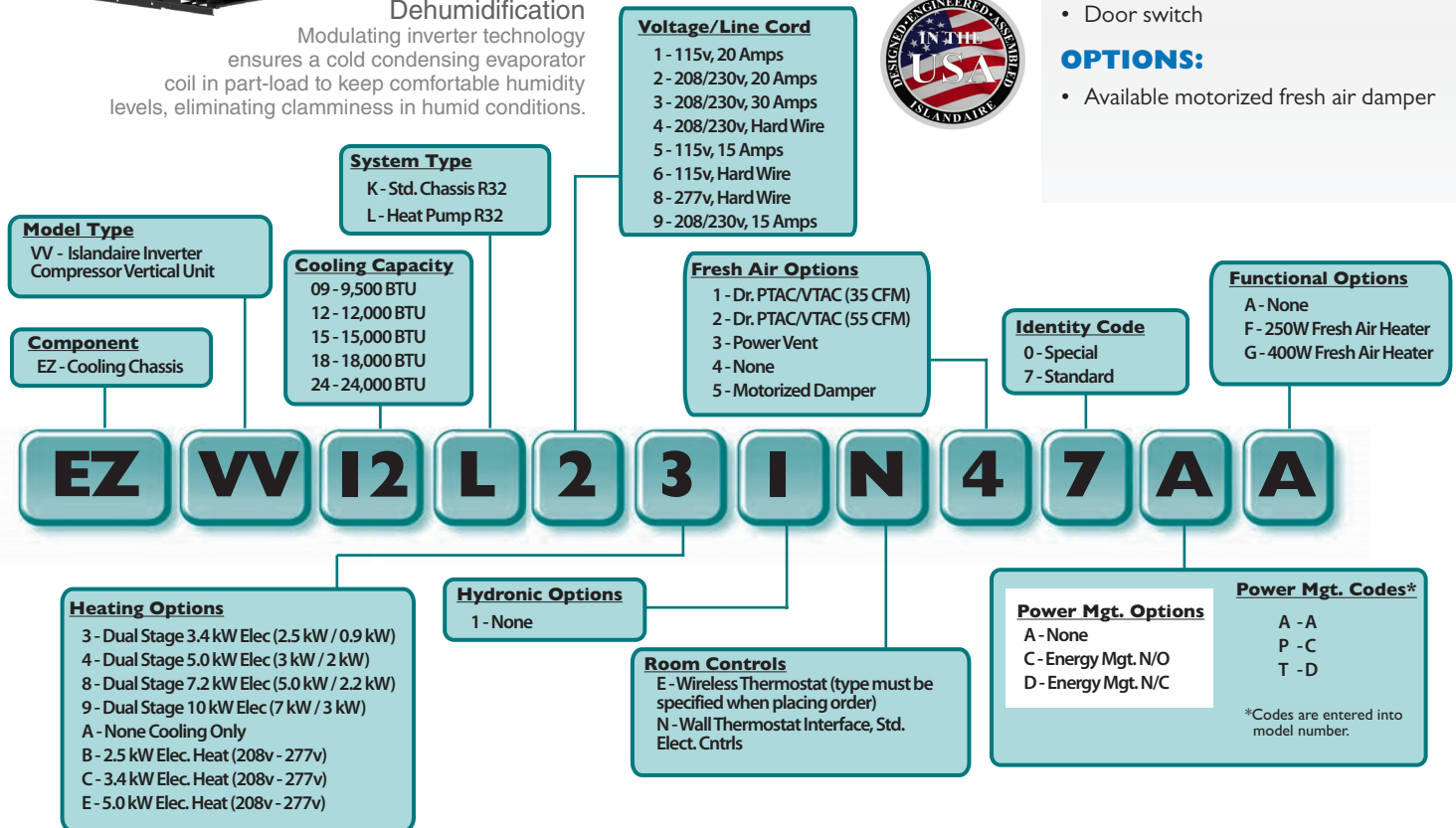
In real-world conditions, the modulating inverter chassis means inefficient start/stop of the compressor is eliminated.



energy savings and sound reduction is achieved by modulating the output of the VTAC to match the cooling or heating demands of the room, eliminating costly and noisy compressor cycling. The unit height is an industry standard 23 1/8" wide by 23 1/8" deep by 31" high. We offer our cooling chassis to operate with cooling only, or heat pump with backup electric heat, or just straight electric heat. The design standards, heavy-duty construction, and focus on indoor noise reduction has positioned our unit as the premier unit of the future. Standard warranty is a one year parts and labor including five year compressor part only warranty or a two year parts only including a five year compressor part only warranty.

Consistent Dehumidification

Modulating inverter technology ensures a cold condensing evaporator coil in part-load to keep comfortable humidity levels, eliminating clamminess in humid conditions.



FEATURES:

- Superior temperature control
- Dehumidification of room air
- Quiet and energy-efficient compressor
- Dual High-efficiency DC Fan Motors
- Conventional thermostat compatible for heat pump applications
- Dual-Stage electric heat element option
- Front desk control capable
- Motion sensor/door switch capable
- Compressor freeze protection
- Self-diagnosis
- Random Auto Re-start
- Compressor time delay
- Room side freeze protection
- Power service switch
- Washable air filter

ACCESSORIES:

- 18 gauge, powder-coat painted wall plenum
- Air Discharge Plenum Assembly Kit
- Wall Plenum/Drain Pan Kit
- Architectural Louver
- Access Panel (interior)
- Return Air Grille
- Wired or wireless remote thermostat
- Energy Management Thermostat
- I.R. motion sensor
- Door switch

OPTIONS:

- Available motorized fresh air damper



500 Middle Country Road, St. James, NY 11780 • 1-800-886-2759

e-mail: sales@islandaire.com • www.islandaire.com

Ph: 631-471-2900 • Fax: 631-471-2913

6140627 Rev. - (04/18/25)

EZVV SERIES

THRU-THE-WALL/BUILT-IN AIR CONDITIONERS

PRODUCT INFORMATION



	EZ09		EZ12		EZ15		EZ18		EZ24	
VOLTS	208 / 230	277	208 / 230	277	208 / 230	277	208 / 230	277	208 / 230	277
BTUH COOL	9,600 / 9,600	9,600	12,600 / 12,600	12,600	15,000 / 15,000	15,000	18,300 / 18,300	18,300	22,000 / 22,000	22,000
CAPACITY RANGE	5,700-10,100	5,700-10,100	5,700-13,000	5,700-13,000	7,400-15,800	7,400-15,800	8,600-18,900	8,600-18,900	10,300-22,500	10,300-22,500
AMPS COOL	4.40 / 4.00	3.14	5.40 / 4.90	3.97	7.40 / 6.70	5.22	9.20 / 8.30	6.82	11.60 / 10.50	8.66
WATTS COOL	870 / 870	870	1,100 / 1,100	1,100	1,445 / 1,445	1,445	1,890 / 1,890	1,890	2,400 / 2,400	2,400
EER2	11.0 / 11.0	11.0	11.1 / 11.1	11.1	10.4 / 10.4	10.4	9.7 / 9.7	9.7	9.2 / 9.2	9.2
SEER2	13.8 / 13.8	13.8	14.4 / 14.4	14.4	13.7 / 13.7	13.7	12.8 / 12.8	12.8	12.8 / 12.8	12.8
CFM HIGH (SP 0.1")	465 / 465	465	465 / 465	465	465 / 465	465	565 / 565	565	700 / 700	700
CFM MED (SP 0.1")	305 / 305	305	305 / 305	305	390 / 390	390	525 / 525	525	610 / 610	610
CFM LOW (SP 0.1")	305 / 305	305	305 / 305	305	390 / 390	390	525 / 525	525	610 / 610	610
BTUH HEAT	9,800 / 9,800	9,800	12,300 / 12,300	12,300	14,300 / 14,300	14,300	18,000 / 18,000	18,000	20,000 / 20,000	20,000
CAPACITY RANGE	5,900-10,500	5,900-10,500	5,900-12,800	5,900-12,800	7,300-15,300	7,300-15,300	11,000-18,700	11,000-18,700	11,000-20,900	11,000-20,900
AMPS HEAT	4.00 / 3.60	2.90	5.50 / 5.00	4.03	6.70 / 6.10	4.73	8.00 / 7.20	5.90	9.20 / 8.30	6.81
WATTS HEAT	810 / 810	810	1,115 / 1,115	1,115	1,310 / 1,310	1,310	1,640 / 1,640	1,640	1,885 / 1,885	1,885
C.O.P.	3.3 / 3.3	3.3	3.2 / 3.2	3.2	2.7 / 2.7	2.7	3.2 / 3.2	3.2	3.1 / 3.1	3.1
HSPF2 (IV)	6.6 / 6.6	6.6	6.5 / 6.5	6.5	6.4 / 6.4	6.4	7.1 / 7.1	7.1	7.1 / 7.1	7.1
HSPF2 (V)	5.4 / 5.4	5.4	5.3 / 5.3	5.3	5.2 / 5.2	5.2	5.6 / 5.6	5.6	5.5 / 5.5	5.5
INDOOR NOISE (dba) Cooling	55/47/45	55/47/45	55/49/46	55/49/46	55/49/46	55/49/46	55/55/54	55/55/54	55/55/54	55/55/54
OUTDOOR NOISE (dba) Cooling	62/59	62/59	64/60	64/60	64/62	64/62	64/62	64/62	64/62	64/62
SHIPPING WT.	128	128	128	128	128	128	207	207	207	207

Heating Option	Voltage (I)	Wattage	BTU/h	Amps (2)
3	208	2,780	9,500	13.37
	230	3,400	11,600	14.78
	277	3,600	12,300	13.00
4	208	4,090	14,000	19.66
	230	5,000	17,100	21.74
	277	5,000	17,100	18.05
8	208	5,890	20,100	28.31
	230	7,200	24,600	31.30
	277	10,445	35,600	37.70
9	208	8,180	27,900	39.32
	230	10,000	34,100	43.48
	277	14,505	49,500	52.36
B	208	2,045	7,000	9.83
	230	2,500	8,500	10.87
	277	2,500	8,500	9.03
C	208	2,780	9,500	13.37
	230	3,400	11,600	14.78
	277	3,600	12,300	13.00
E	208	4,090	14,000	19.66
	230	5,000	17,100	21.74
	277	5,000	17,100	18.05

Where applicable, cooling capacities are specified at conditions of 95 °F DB/75 °F WB (35 °C DB/24 °C WB) outdoor and 80 °F DB/67 °F WB (27 °C DB/19 °C WB) indoor and heating capacities are specified at conditions of 47 °F DB/43 °F WB (8 °C DB/6 °C WB) outdoor and 70 °F DB/60 °F WB (21 °C DB/16 °C WB) indoor in accordance with AHRI 310/380 and CSA C744 standards. Wattage, Amperage, EER, and COP listings include compressor, evaporator motor and condenser fan motor. The above ratings are a typical heat pump style unit.

Line Voltage	Maximum Amperage	Wall Socket Configuration	Receptacle Number	Electrical Heat Options
208/230	12		NEMA 6-15R	2.5
208/230	16		NEMA 6-20R	3.4
208/230	24		NEMA 6-30R	4.2 - 5.0
277	16		NEMA 7-20R	2.5 - 4.2
277	24		NEMA 7-30R	5.0

- (1) Voltage is Single Phase, Alternating Current and R.M.S.
 (2) Amp values are for heating element only.



Islandaire has a policy of continuous improvement of its products and reserves the right to change the materials and specifications without notice.

500 Middle Country Road, St. James, NY 11780 • 1-800-886-2759
 e-mail: sales@islandaire.com • www.islandaire.com
 Ph: 631-471-2900 • Fax: 631-471-2913

EZVV SERIES

THRU-THE-WALL/BUILT-IN AIR CONDITIONERS

PRODUCT INFORMATION



EZVV Inverter: The Benefits of Inverter Technology

The EZ Series VV Inverter Heat Pump incorporates state-of-the-art inverter technology not found in any other VTAC. The technology is the culmination of years of research to develop a VTAC to clearly lead the market with the lowest energy consumption, most consistent dehumidification, best conditioned air and the lowest sound levels.

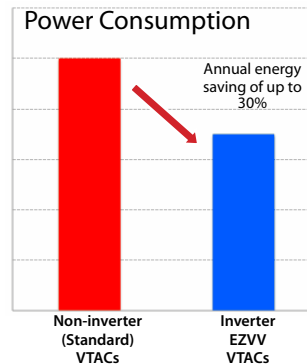
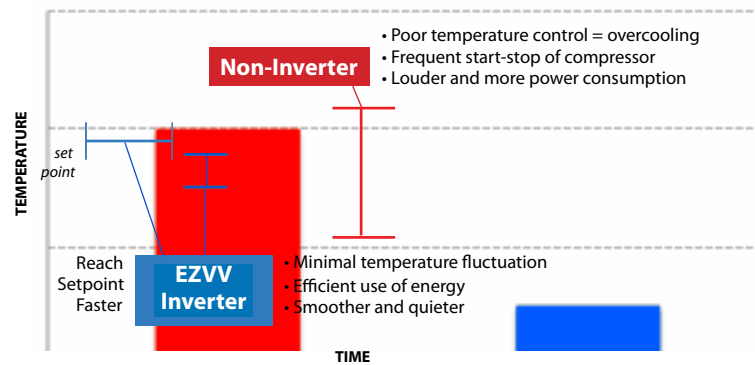
Although published EER's will be similar to other VTACs, based on laboratory testing simulating real-world installations, up to a 30% reduction in energy consumption can be expected with the Islandaire EZVV Series VTAC when compared to other VTACs! Dramatic energy savings and sound reduction is achieved by modulating the output of the VTAC to match the cooling or heating demands of the room, eliminating costly and noisy compressor cycling.

Non-Inverter VTACS

Run the compressor at full RPM or zero RPM (on or off). The on/off compressor cycling in part-load conditions wastes substantial amounts of electric power.

EZVV Inverter VTAC

Slow the compressor RPM to match the part-load cooling or heating power required. A substantial reduction in power consumption occurs.



Islandaire has a policy of continuous improvement of its products and reserves the right to change the materials and specifications without notice.

500 Middle Country Road, St. James, NY 11780 • 1-800-886-2759
e-mail: sales@islandaire.com • www.islandaire.com
Ph: 631-471-2900 • Fax: 631-471-2913

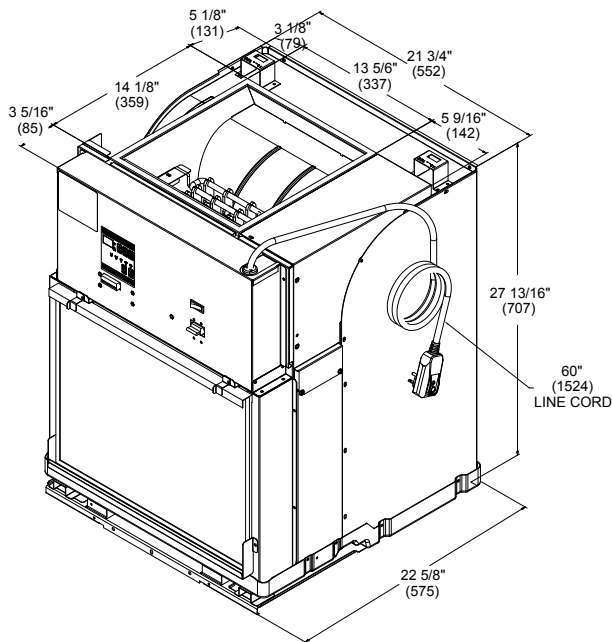
EZVV SERIES

THRU-THE-WALL/BUILT-IN AIR CONDITIONERS

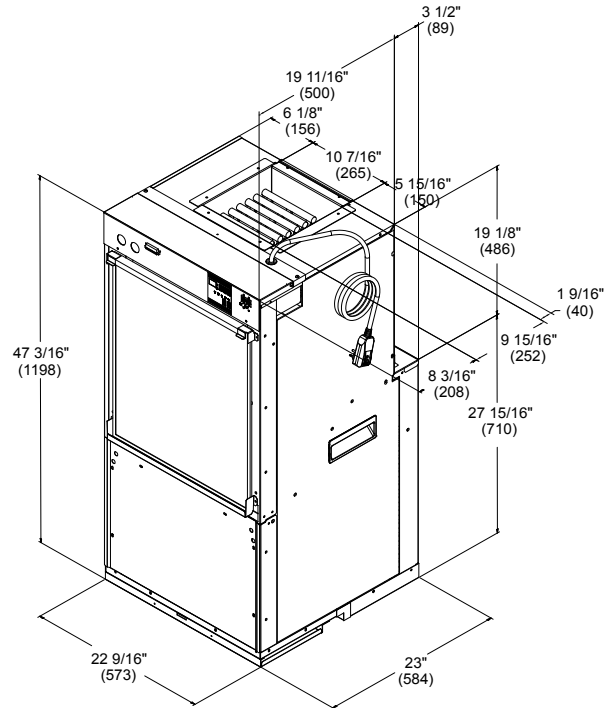
PRODUCT INFORMATION



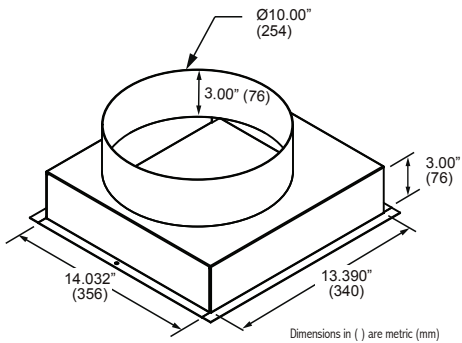
9k thru 15k Unit Dimensions:



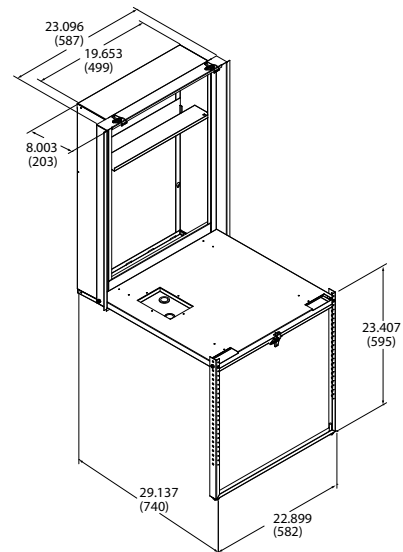
18k and 24k Unit Dimensions:



Discharge Plenum Dimensions:



Wall Plenum Assembly Dimensions:



EZVV SERIES

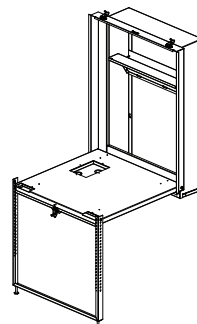
THRU-THE-WALL/BUILT-IN AIR CONDITIONERS

PRODUCT SPECIFICATIONS



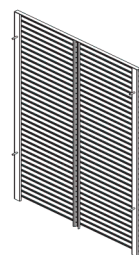
PLENUMS/ADAPTERS

PART NUMBER	DESCRIPTION	APPROX WT.	DIMENSIONS		
			DEPTH	WIDTH	HEIGHT
4091635	EZVV Wall Plenum Assembly*	54 lbs.	6.000"	19.875"	32.000"
4091651	EZVV Wall Plenum Assembly*	56 lbs.	8.000"	19.875"	32.000"
4091652	EZVV Wall Plenum Assembly*	58 lbs.	10.000"	19.875"	32.000"
4091653	EZVV Wall Plenum Assembly*	60 lbs.	12.000"	19.875"	32.000"
4091654	EZVV Wall Plenum Assembly*	63 lbs.	15.000"	19.875"	32.000"
* To use new style EZVV Wall Plenum Assembly with an existing (old style) wall plenum, order part number 4091649, which includes plenum adapter and base pan portions only.					
Friedrich replacement units requires below wall plenum adapter:					
2401062-06	EZVV Wall Plenum, Assembly, Adapter for Friedrich	23 lbs.	7.400"	25.404"	33.202"



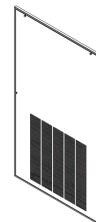
LOUVERS

PART NUMBER	DESCRIPTION	APPROX WT.	DIMENSIONS		
			DEPTH	WIDTH	HEIGHT
6070431	EZVV Architectural Louver, External, Std.	10 lbs.	1.063"	19.875"	31.750"
6070462	EZVV Wall Return Air Grille	10 lbs.	0.3125"	20.000"	20.000"
6070548	EZVV Stamped Louver	10 lbs.	1.063"	19.875"	31.750"



ACCESS PANELS

PART NUMBER	DESCRIPTION	APPROX WT.	DIMENSIONS		
			DEPTH	WIDTH	HEIGHT
4084085-00	EZVV Access Panel w/ Return Air Grille	25 lbs.	1.923"	30.125"	50.125"
4084962-00	EZVV Access Panel, Solid	25 lbs.	1.923"	30.125"	50.125"
4084834-00	EZVV Access Panel, Baffled w/Return Air Grille	36 lbs.	2.072"	30.125"	50.125"



THERMOSTATS

PART NUMBER	DESCRIPTION	APPROX WT.	FEATURES		
			CONNECTION	STAGE	DISPLAY
5041206	Islandaire Non-Programmable, 2 Fan Speed	1.0 lbs.	Wireless	Single	Horizontal
5041210	Islandaire Programmable , 2 Fan Speed	1.0 lbs.	Wireless	Single	Horizontal
5041228	Islandaire Programmable (7 Day/5-1-1 Day/ Non-Programmable), Two Fan Speed	1.0 lbs.	Wired	Single	Horizontal
5041373	Islandaire Wireless, WiFi Programmable	1.0 lbs.	Wireless	Single	Horizontal



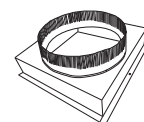
FILTERS

PART NUMBER	DESCRIPTION	APPROX WT.	DIMENSIONS		
			DEPTH	WIDTH	HEIGHT
6080125	Electrostatic Filter (original equipment)	2 lbs.	1.000"	20.000"	16.000"
6080118	MERV8 Filter	2 lbs.	1.000"	20.000"	16.000"
6080123	MERV11 Filter	2 lbs.	1.000"	20.000"	16.000"
6080124	MERV13 Filter	2 lbs.	1.000"	20.000"	16.000"



OTHER

PART NUMBER	DESCRIPTION	APPROX WT.	DIMENSIONS		
			DEPTH	WIDTH	HEIGHT
4091640	Air Discharge Plenum Kit (used with 7AA units)	3 lbs.	13.462"	14.000"	6.000"



Islandaire has a policy of continuous improvement of its products and reserves the right to change the materials and specifications without notice.

500 Middle Country Road, St. James, NY 11780 • 1-800-886-2759
e-mail: sales@islandaire.com • www.islandaire.com
Ph: 631-471-2900 • Fax: 631-471-2913

**Ask your salesman about our
DR. VTAC option!***



*100% conditioned
fresh air

**Contact Sales for information
about our custom-sized
PTAC/PTHP and Water
Source Heat Pump Units**



500 Middle Country Road, St. James, NY 11780 • 1-800-886-2759
e-mail: sales@islandaire.com • www.islandaire.com
Ph: 631-471-2900 • Fax: 631-471-2913



Locally Represented By: