

EZ SERIES VR

THRU-THE-WALL/BUILT-IN AIR CONDITIONERS

PRODUCT INFORMATION



Problem Solving Benefits of Dr.PTAC:

- Make-up air
- Mold remediation
- Mildew control
- Odor elimination
- Solves air quality issues

LEED Points Achieved:

1. Energy Efficient Design and compliance with ASHRAE 62.1 and ASHRAE 90.1
2. Indoor Environmental Quality with improved IAQ through make up air.
3. Innovation in Design through the use of a "Make Up Air PTAC".
4. Regional Design through the use of Dr. PTAC in high humidity climates.
5. Diverting Construction Debris through the use of re-usable containers.
6. Recycling/Reusing Dr. PTAC in secondary market where the "first costs" are prohibitive to owners.

FEATURES:

- 55 CFM Continuous Conditioned fresh air
- Quiet and energy-efficient compressor
- Motion sensor/door switch capable
- Superior temperature control
- Dehumidification of room air
- Modern and elegant appearance
- Washable filter for easy cleaning
- User friendly control panel
- Hand held remote controller
- Wired wall thermostat capable
- Compressor freeze protection
- Self diagnosis
- Random Auto Re-start
- Compressor time delay
- Front desk control
- Room side freeze protection

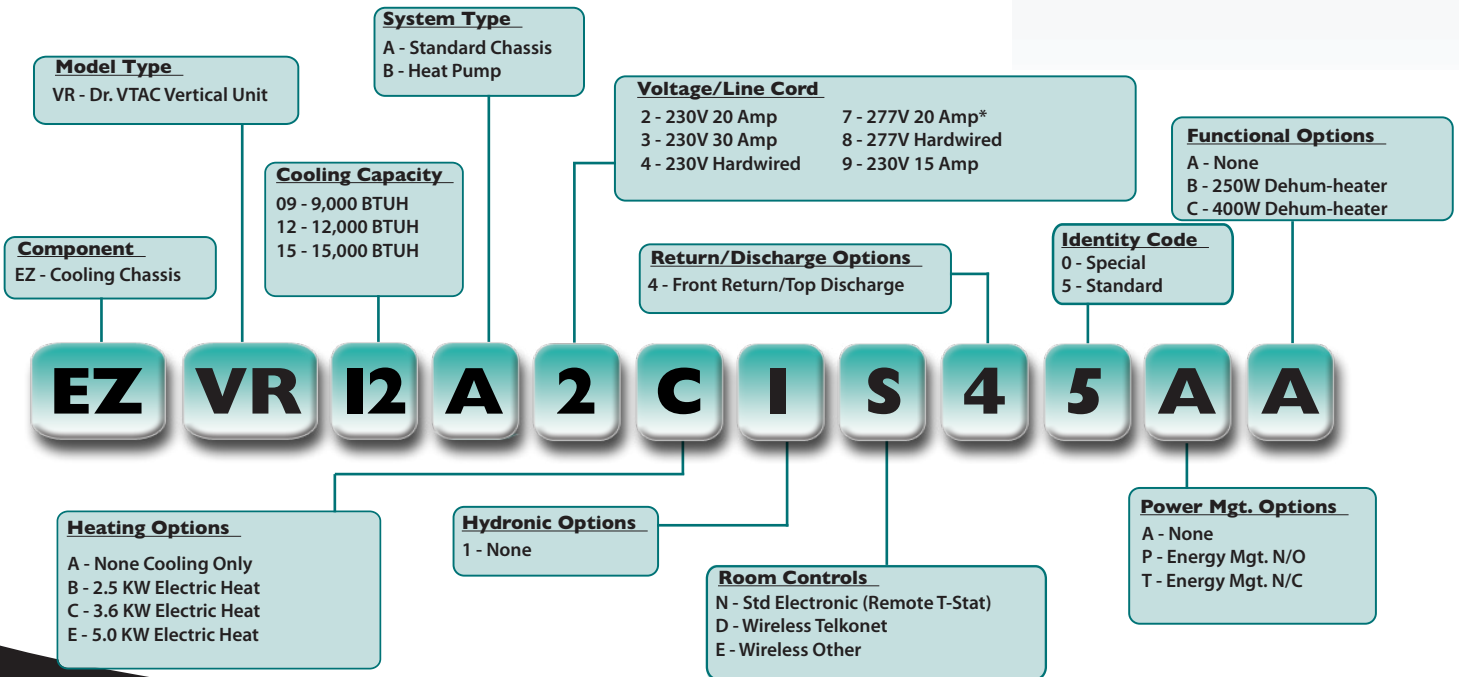
OPTIONS:

- Electric heat add-on for the Dr. PTAC fresh air system for cold climates

ACCESSORIES:

- Architectural Louver
- 18 gauge insulated wall sleeve
- Wired remote thermostat
- Wireless remote thermostat
- I.R. motion sensor
- Door switch
- Energy Management Thermostat
- Access Panel
- Locking control cover

PATENTED TECHNOLOGY



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Dr. PTAC is designed with heavy duty materials and with a focus on indoor noise reduction, manufactured in accordance to ARI, UL, and AHAM standards and is ETL listed creating the premier PTAC unit of the future.

PATENTED TECHNOLOGY

The Dr. PTAC system is an add on system to our standard PTAC unit to provide conditioned makeup air into a space thru the PTAC unit by providing 55 CFM of outdoor air 24/7 by forced fan and cycling dehumidifier compressor based on outdoor relative humidity levels.

Dr. PTAC was created to solve issues with dehumidification in rooms and to introduce fresh air due to deficiencies of oxygen levels. Dr. PTAC is not only a PTAC but a Conditioned Make Up Air unit. New ASHRAE studies show that many illnesses in hotel rooms can be attributed to oxygen deficient atmospheres. Dr. PTAC solves that issue by introducing tempered conditioned make up air that satisfies both humidity level introduction and supplied oxygen.

Dr. PTAC is a two stage system. The primary unit is responsible for control of Sensible Heat that is introduced into the room via make up air temperature and thermal load of the occupants. The secondary unit is primarily a dehumidification unit that provides 55 CFM of outside fresh air into the room. The correction of the Sensible Temperature comes from the main PTAC unit which provides additional dehumidification with temperate correction. Overall unit efficiency over standard PTACs is approximately 3% improvement. The compressor/dehumidification process is controlled by a humidistat (factory set at 50% RH) which is monitoring the outdoor relative humidity level and is adjustable by a qualified service tech. When the outdoor humidity level raises above 50% RH the compressor and dehumidification process starts. Below 50% RH compressor operation and dehumidification is stopped, however, fan operation continues to provide 55 CFM of outdoor air into the space.

The dehumidification system has a temperature switch which is monitoring both the refrigeration and the outdoor air temperatures. If the outdoor air goes below 38°F the compressor is disabled with fan operation continuing to provide outdoor air into the space. All dehumidifier controls and safeties are automatically reset. An optional air tempering heater is available for the fresh air system for applications where operation in cold winter climates is required. Condensate from the dehumidifier drains into the PTAC drain pan, where it is also slung onto the condenser coil for re-evaporation outside when the A/C runs. Excess condensate is drained into the wall case which can then either drain to the outside through the louver or piped to a drainage system via and optional drain kit.

Advantages of the Dr. PTAC System: 1. Lower installation/renovation costs than typical DOAS*

2. Decrease inconvenience to customer due to construction/installation of a DOAS* system

3. More humidity control in a room over use of a simple PTAC vent or Power vent system

4. Allows fresh make up air to travel entirely across sleeping and living area of a room, exiting through a duct or under the door.

*DOAS = Dedicated Outdoor Air System

	EZ09	EZ09	EZ12	EZ12	EZ15	EZ15
Volts 60 Hz 1ph	280-230	265-277	280-230	265-277	280-230	265-277
Cool Capacity Total (BTU/H)	8900	8900	12000	12000	15400	15400
Cool Sensible Total (BTU/H)	6500	6500	8600	8600	10700	10700
Cool Capacity Latent (BTU/H)	2400	2400	3400	3400	4700	4700
Cool Power Input (Watts)	787	787	1091	1097	1550	1550
Cool Amps	3.6	2.84	5.01	3.94	7.1	5.6
EER	11.3	11.3	10.9	10.9	9.9	9.9
CFM High	330	330	400	400	500	500
CFM Low	300	300	300	300	300	300
Conditioned Make Up Air (CFM)	55	55	55	55	55	55
Heat Capacity H.P (BTU/H)	8500	9000	11000	11000	15000	14500
Heat Power Input (Watts)	622	622	755	800	1041	1041
C.O.P.	3.3	3.3	3.1	3.1	3.0	3.0
Dr. VTAC Heater Amps 250w	1.02	.81	1.02	.81	1.02	.81
Dr. VTAC Heater Watts 250w	250	250	250	250	250	250
Dr. VTAC Heater Amps 400w	1.7	1.4	1.7	1.4	1.7	1.4
Dr. VTAC Heater Watts 400w	400	400	400	400	400	400
Dr. VTAC Fan Amps	.11	.11	.11	.11	.11	.11
Dr. VTAC Dehumidification (Liters/day) ¹	7.9	7.9	7.9	7.9	7.9	7.9
Dr. VTAC Dehumidification (Liters/day) ²	17.05	17.05	17.05	17.05	17.05	17.05
Dr. VTAC Control	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic

¹ AHAM condition 60% RH, 80 F ² High End Condition 88% RH, 82 F

Heating Option	Voltage (1)	Wattage	B.T.U.s (2)	Amps (3)	MCA (4)	MOD (Amps)	Power Cord
B	208	2,050	7,000	10.46	13.1	15	6-15
	230	2,500	8,535	11.47	14.3	15	6-15
	277	2,500	8,535	9.63	12.0	15	7-20
C	208	2,950	10,070	14.78	18.5	20	6-20
	230	3,600	12,290	16.25	20.3	20	6-20
	277	3,600	12,290	13.60	17.0	20	7-20
E	208	4,100	14,000	20.31	25.4	30	6-30
	230	5,000	17,070	22.34	27.9	30	6-30
	277	5,000	17,070	18.65	23.3	30	7-30

Outdoor % RH	Outdoor Temp (F)	H2O Removal (L/Day)
60	80	7.9
60	90	7.8
62	84	9.6
70	81	11.18
85	90	14.4
82	82	17.02



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PRODUCT SPECIFICATIONS

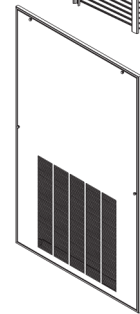
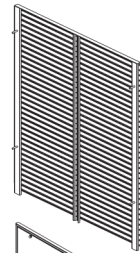
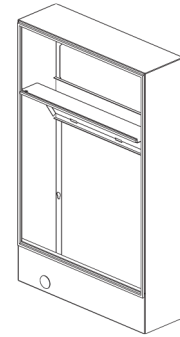


WALL PLENUMS					
PRODUCT NUMBER	DESCRIPTION	APPROX. WT.	DIMENSIONS		
			DEPTH	WIDTH	HEIGHT
2400831-00	EZVR Wall Plenum Assembly	70 lbs.	6.000"	19.875"	32.000"
2400833-00	EZVR Wall Plenum Assembly	70 lbs.	8.000"	19.875"	32.000"
2400835-00	EZVR Wall Plenum Assembly	70 lbs.	10.000"	19.875"	32.000"
2400837-00	EZVR Wall Plenum Assembly	70 lbs.	12.000"	19.875"	32.000"
2400840-00	EZVR Wall Plenum Assembly	70 lbs.	15.000"	19.875"	32.000"

LOUVERS					
PRODUCT NUMBER	DESCRIPTION	APPROX. WT.	DIMENSIONS		
			DEPTH	WIDTH	HEIGHT
6070431	EZVR Architectural Louver, External, Standard	10 lbs.	1.063"	19.875"	31.750"

ACCESS PANELS					
PRODUCT NUMBER	DESCRIPTION	APPROX. WT.	DIMENSIONS		
			DEPTH	WIDTH	HEIGHT
4084085-00	EZVR Access Panel w/ Return Air Grill	25 lbs.	1.923"	30.125"	50.125"

THERMOSTATS					
PRODUCT NUMBER	DESCRIPTION	APPROX. WT.	FEATURES		
			CONNECTION	STAGE	DISPLAY
6040523	Islandaire Non-Programmable Thermostat	3 lbs.	Wired	Single	LCD
6040730	White-Rogers Programmable 5/2 Day Thermostat	3 lbs.	Wired	Single	LCD
6040942	Telkonet EcoWave Thermostat Kit	3 lbs.	Wireless	Single	LCD



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



*100% conditioned
fresh air

**NEW!
Vertical Unit Available**

For New Construction
and as Replacement for:
GE AZ Vertical, Friedrich Vert-I-Pak
and First Company SPX



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