

Project Name
Location
Company
Contact**Ref / Order No**
Engineer / Architect
Owner / Manager
Contractor**Unit Tag**
Packaged Unit VZW15G4ATAB30-A
Approx. Unit Weight (Lbs.) (1) 1,675
Voltage
Nominal Tons**COOLING PERFORMANCE****Total CFM**
Min CFM Allowed for VAV
Outside Air CFM
Evaporator ESP (IWG)
Entering Air Temp °F
Leaving Air Temp °F (off coil)
Total / Sensible Capacity (Btuh) (3)
Energy Efficiency Ratio (EER) (8)**Condenser Fluid Type**
Cond Flow (GPM)
Pressure Drop (Ft H2O) (2)
Entering Fluid Temp °F
Leaving Fluid Temp °F**PHYSICAL DATA****Evap Coil Materials** Al Fins / Cu Tubes
Evap Coil Rows / FPI 4 / 14
Evap Coil Face Area (Ft2) 12.70
Evap Coil Face Velocity (fpm) 472**Cond Coil Materials** Co-Axial HX**ELECTRICAL DATA****Evap Blower Qty / Type** 2 / DDP
Evap Blower RPM / BHP 2,583 ea / 1.76 ea
Evap Motor HP / FLA 3.00 ea / 3.6 ea
Electric Heat - Nominal kW (4) 30 kW 2-Stage
Electric Heat Use Morning Warm-up
Electric Heat Amps (5) 37.7
Min Circuit Ampacity (MCA) 56.1
Max Overcurrent Protection (MOP) 60**Compressor Qty / Type** / Scroll *
Digital Scroll Compressor LRA / RLA 100 / 12.6
Std Scroll Compressor LRA / RLA 100 / 13.0

* Digital Scroll (1st circ.) + Std. Scroll (2nd circ.)

EVAP FILTER**Type** Pleated Throwaway
Efficiency
Quantity / Size - 2" 4 + 2 / 15 x 20 + 20 x 20
Quantity / Size - 4" 4 + 2 / 16 x 20 + 20 x 20**REFRIGERANT****Type** R-410A
Charge Amount (Lbs. - Oz.) (6) 6 - 8 ea circ**Notes:**

- (1) Excluding options or accessories.
- (2) Pressure Drop for co-axial condenser only.
- (3) Gross, not adjusted for motor heat.
- (4) Electric heater kW is nominally rated at 220V, 460V, or 575V.
- (5) Electric heater amps are listed at 220V, 460V or 575V.
- (6) Refrigerant Charge Amount for base unit only, no options.
- (8) EER is rated and listed in accordance with the AHRI 340/360 test standard (80°F DB / 67°F WB EAT & 85°F EWT) and conforms to 10 CFR Part 431 from the US Department of Energy (www.regulations.doe.gov/ccms).

Performance values presented represent calculated values only and are not certified operating performance values. Actual performance values are dependent upon variations in entering air temperature, air flow quantity, water flow and entering water temperature, voltage at the unit, component tolerances, external static pressures, etc. which are beyond the control of United CoolAir, LLC

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Packaged Unit

VZWL15G4ATAB30-A

PRODUCT FEATURES

<p>Self-Contained, Modular Construction (shipped in 3 sections) 12, 15, 20, 25, 30, 35, 40 and 45 Ton Modules Modules can be ganged for applications up to 90 Tons Modular Construction, shipped in 3 or more sections Variable Air Volume w/ Factory Installed VFD Duct Mount Supply Air Pressure Transducer (shipped loose) High Duct Static Pressure Transducer Single Point Power Connection (up to 4 compressors, some electric heat requires second power supply) Single Water Connection for Single or Dual Modules Water Inlet and Outlet Connections Utilize Victaulic Couplings R-410a, Factory Charged Unit Resealable Refrigerant Fittings Lift Off Hinged Access Doors with Tool Operated Latches Welded Frame and Heavy-Gauge Sheet Metal Panels 3D-Intelliclamp Cabinet Section Connectors for Easy Alignment of Surfaces 1" High Density Thermal / Acoustical Insulation Right or Left Hand Access to Control Panel and Water Connections Interlaced / Draw Through Evap Coil - Aluminum Fin / Copper Tube Double Sloped Stainless Steel IAQ Drain Pan 2" MERV 8 Pleated Throwaway Filters Two Scroll Compressors per Module</p>	<p>High and Low Refrigerant Pressure Safety Switches Co-axial Counter Flow Heat Exchangers 2-Way Electronic Head Pressure Control Valves Filter Drier & Sight Glass w/ Moisture Indicator (each circuit) Maximum Operating Pressure (MOP) Externally Balanced Port TXV's Hot Gas Bypass (each circuit, includes Manual Shut-off Valves) Premium Efficiency Motor DWDI Blower w/ Airfoil Backward Inclined Blades (std. - 12-25T module) DDP Fans, Two / Module (optional - 12-25T module, std. - 30-45T module) Pillow Block Bearings w/ 200,000 Hour Life Expectancy (L50, DWDI only) Marvel Premium Microprocessor Controls w/ Wall Mount Display * Duct Mount Supply Air Temperature Sensor * Duct Mount Return Air Temperature Sensor * Dirty Filter Switch Drain Pan Overflow Switch Loss of Air Flow Switch 24 Volt Control Circuits Functionally Run Tested at the Factory One (1) Year Limited Parts Warranty Five (5) Year Limited Compressor Warranty</p>
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OPTIONS

<p>A - Rear Return / Top Supply - Left Hand Single Module Direct Drive Parallel Fans - Internally Isolated Units Ship Split As Standard - Separate Skids - To Be Reassembled in Field Painted Cabinet Double Wall - Solid Panel Optional Evaporator Filters - 2" MERV 8 Pre and 4" MERV 13 Final, Pleated Throwaway Air Side Economizer Controls Only - incl. sensors (mixing box, dampers & actuators by others) Electric Heat - 30 kW, 2-stage (mounted in extended filter box), used for Morning Warm-up SCR Controller (for use w/Microprocessor) for Electric Heat - 30 kW Digital Scroll Compressor (1st circ. only) / Std. Scroll w/ HGBP (2nd circ.) Heresite Coated Coil - Evaporator Condensate Pump* (separate 115V power req'd) Phase Reversal Sensor (3-phase only) Freezestat (on each circuit) Freezestat - Temp Avg. Type</p>	<p>Compressor Crankcase Heaters Non-Fused Disconnect, Indoor * - 600V, 3PH, 60A Remote Water Pump On / Off Control Set of Contacts for Water Flow Proving Switch (switch provided by others) Marvel Premium Full Featured Microprocessor (c/w Wall Display *) - Multi-Zone VAV Marvel Premium Display - Factory Unit Mounted (External) Wall Mounted Temperature / Humidity Sensor *, Qty of 1 Duct Mounted Temperature Sensor *, Qty of 2 Duct Mounted Temperature / Humidity Sensor *, Qty of 1 BMS Serial Communications - BACnet - IP (Ethernet) Dry Contacts - Qty of 4, Smoke Detector * (separate power req'd) Firestat * Compressor Acoustic Covers</p>
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* Option is shipped loose for field installation.



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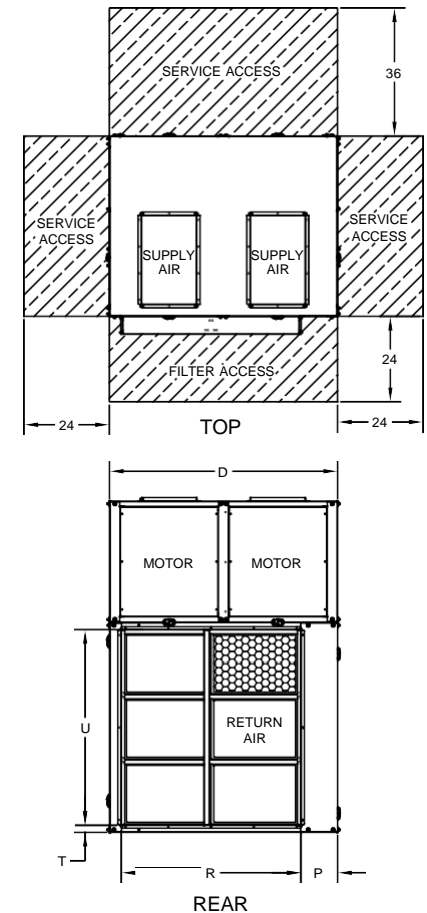
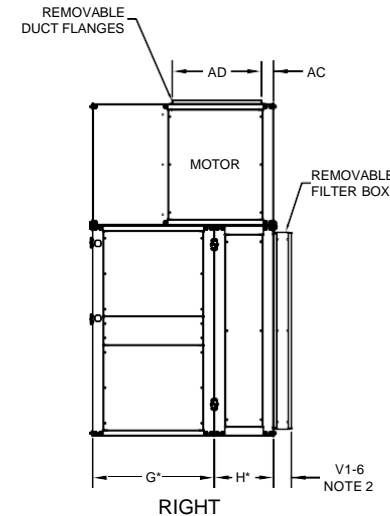
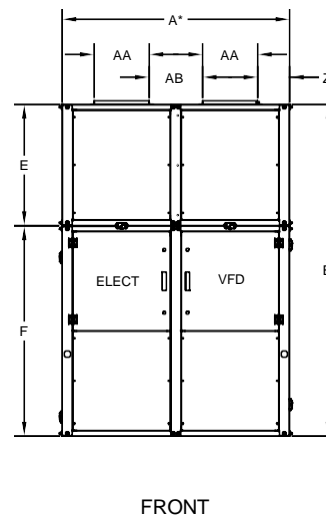
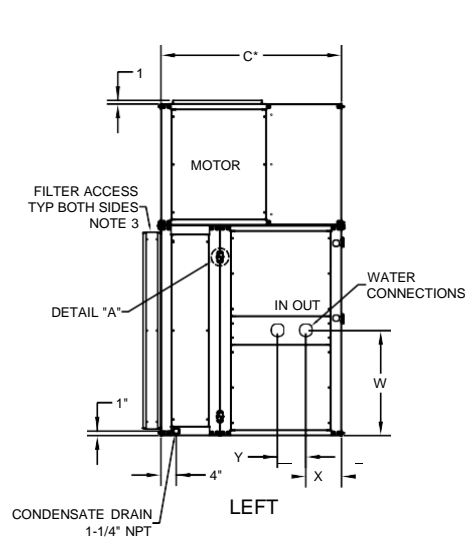
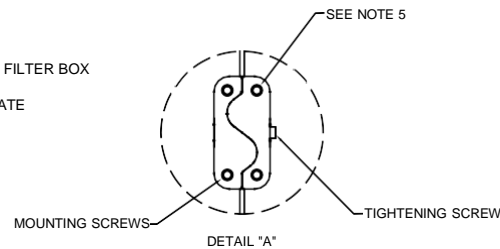
EZ-Fit 10-25 Single LH Module - Top Discharge with DDP Fans

TONS	A*	B	C*	D	E	F	G*	H*	P	R	T	U	V1	V2	V3	V4	V5	V6	V7	W	X	Y	Z	AA	AB	AC	AD
10-15	55 $\frac{1}{2}$	88 $\frac{1}{8}$	49 $\frac{3}{8}$	54	32	56	32 $\frac{1}{4}$	17 $\frac{1}{4}$	10 $\frac{1}{2}$	40	2 $\frac{3}{8}$	52 $\frac{3}{8}$	5	7	18	20	14	16	11	28	9	8	5 $\frac{1}{2}$	17 $\frac{3}{8}$	7 $\frac{5}{8}$	3	24
20-25	65 $\frac{1}{2}$	93 $\frac{1}{8}$	52 $\frac{1}{8}$	64	34	59	34 $\frac{3}{4}$	17 $\frac{1}{4}$	10 $\frac{1}{4}$	50 $\frac{1}{2}$	2	55	5	7	18	20	14	16	11	29 $\frac{1}{2}$	9	8	9	15 $\frac{1}{2}$	15	3 $\frac{3}{8}$	25

TONS	WATER CONNECTION SIZE (GROOVED END)
10	2"
12	2"
15	2"
20	2"
25	2"

NOTE:

1. DIMENSIONS NOTED WITH * INCLUDE HARDWARE
2. V1=2" FILTER BOX, V2=4" FILTER BOX, V3=2" FILTER/HEATER BOX, V4=4" FILTER/HEATER BOX, V5=2" FILTER/AUX COIL BOX, V6=4" FILTER/AUX COIL BOX, V7=2" & 4" FILTER BOX
3. FILTERS ARE ALSO LIFT OUT FOR NON-DUCTED RETURNS
4. UNIT MUST BE INSTALLED ON HOUSE KEEPING PAD TO ACCOMMODATE HEIGHT OF THE CONDENSATE DRAIN TRAP
5. 3D INTELLICLAMP REMOVABLE AND/OR SPLITTABLE IF NEEDED DURING INSTALLATION.
6. AUXILIARY HOT WATER / STEAM COIL CONNECTIONS ON LH SIDE



Project Name
Location
Company HVAC INC
Contact

Ref / Order No
Engineer / Architect
Owner / Manager
Contractor

Unit Model

List Price

VZWL15G4ATAB30-A, Tag:

** Option is shipped loose for field installation.*

Options Total:

Unit w/Options Total:

Multiplier:

Terms: 1% 10, NET 30 - This quotation is valid for 30 days. All pricing is USD. See Terms and Conditions for additional details.

Current Lead Time: TBD weeks ARO - Actual lead time is dependent on component availability and production loading at the time the order is released to the shop. A QUICK SHIP option may be available, contact factory. Due to fluctuations in material costs, unit pricing may change without notice.

FOB York, PA (Freight Prepay & Add) - FREIGHT IS NOT INCLUDED. Please contact United CoolAir for a freight estimate.

Unit NET Investment:**Quantity:****Total NET Investment:**

Terms: 1% 10, NET 30 - This quotation is valid for 30 days. All pricing is USD. See Terms and Conditions for additional details.
Current Lead Time: TBD weeks ARO - Actual lead time is dependent on component availability and production loading at the time the order is released to the shop. A QUICK SHIP option may be available, contact factory. Due to fluctuations in material costs, unit pricing may change without notice.
FOB York, PA (Freight Prepay & Add) - FREIGHT IS NOT INCLUDED. Please contact United CoolAir for a freight estimate.



Quotation Terms & Conditions

- United CoolAir, LLC provides product quotations to assist manufacturer's sales representatives. It is the SOLE responsibility of the manufacturer's sales representative to review this quotation for accuracy against customer's request, specifications and schedule.
- This Quotation is based on available information supplied to UCA and ONLY covers equipment and options listed on the quotation. Changes in scope will require a new quotation and WILL result in a price change.
- Since we cannot verify the accuracy or completeness of this information, we reserve the right to modify the products, options or pricing quoted herein.
- It shall be the responsibility of the field sales representative to inform United CoolAir of any components or configurations required for local building code approvals and system start up/commissioning, based on the project specifications and/or schedule.
- United CoolAir does not provide Field Start Up nor is responsible to do so.
- Engineering design and applications data provided by United CoolAir is proprietary.
- This quotation is subject to United CoolAir's standard "Terms & Conditions" unless otherwise documented on quotation.
- Equipment quoted is subject to the current Limited Warranty(ies) when ordered unless otherwise documented on quotation.
- This quotation is valid for 30 days.

Standard Terms & Conditions

ACCEPTANCE

The products and services described are offered for sale and the acceptance of a purchase order by United CoolAir, LLC is subject to the terms and conditions herein. All purchase orders shall be subject to the terms and conditions set forth and shall govern and prevail regardless of terms and conditions set forth to the contrary by the Customer, unless expressly agreed to in writing by United CoolAir, LLC. Customer accepts these terms and conditions under the condition of unqualified assent and shall be evidenced by the Customer's acceptance of any product ordered. Acceptance of a purchase order is subject to credit approval and to credit conditions imposed.

PRICES

Prices charged will be those in affect at time of receipt of order, or release for fabrication, whichever occurs last. United CoolAir reserves the right to assess a surcharge for component or material costs at time of order acceptance, or release for fabrication, whichever occurs last. All prices are FOB York, Pennsylvania, USA. Customer shall be responsible for payment of any federal, state, provincial or local taxes.

TERMS OF PAYMENT

Terms will be as shown on the invoice and are due and payable from date of invoice. United CoolAir reserves the right to withhold shipments (equipment and / or parts) due to overdue balances due to United CoolAir.

COLLECTION COSTS

Should Customer default in payment of any amount owing to United CoolAir for product or services, United CoolAir shall be entitled to re-imbursement for all costs, including collection costs and reasonable attorney fees.

TITLE AND RISK OF LOSS

Title and risk of loss or damage passes to the customer upon transfer of products to the carrier. Risk of loss or damage to products in transit is assumed by Customer and shall bear responsibility for filing and pursuing any claims or losses with the carrier. Order errors or deficiencies must be reported to United CoolAir within five (5) days after shipment is received by Customer.

RETURN OF PRODUCT

No product or part shall be returned to United CoolAir without prior authorization (RMA#) to be issued by United CoolAir. Products must be new and unused of current design, in their original shipping cartons for consideration for return. Customer shall prepay shipping costs.

INDEMNITY

The Customer shall protect, defend and indemnify and hold harmless United CoolAir from all liabilities, losses, damages, costs and expenses (including legal costs) arising from alleged patent infringement, use and sale of product, or any other reason.

PRODUCT CHANGES

United CoolAir shall make periodic product improvements without notice. Product design and features are shown in published material and meet intended claims to the best of our knowledge. United CoolAir shall not be responsible for product application or labor losses, nor be responsible for specification, dimensions, or location of fittings for products, or product used for replacement of products manufactured by others.

DELIVERY AND FORCE MAJEURE

Quoted shipping dates are estimated in good faith, but are not guaranteed. United CoolAir assumes no responsibility for risk of losses, nor is United CoolAir liable for failure to ship or for delays in delivery due to credit disapproval, or due to strikes, fires, accidents, national emergency, or any other circumstance beyond its control. Receipt of product by Customer shall constitute waiver of a claim for delay.

SPECIAL ORDERS

On special orders and products of custom design, a minimum deposit of the sale price may be required upon acceptance of the order.

RESTOCKING AND CANCELLATION CHARGES

United CoolAir reserves the right to collect costs against returned product and cancelled orders. Charges will be a percentage of the product sales price or work in progress costs incurred by United CoolAir, whichever is higher.

LIMITED WARRANTY

Limited Warranty allowance, exclusions, policies and procedures shall be as defined in the then current Warranty manual and Limited Warranty Certificate. Parts returns shall be defined by United CoolAir (prior authorization with RMA number required).