RTU_12Te
Air Handling Unit for VRF Combination (Heating and Cooling)

PRODUCT SPECIFICATION SHEET

CAPACITY
- Airflow: 3800-6000 CFM
- VRF combination 10 to 12.5 tons
- Refrigerant type : R410a, R32 and R454-B available
- Tested according to AHRI 410

AIR CONDITIONING/HEATING (Standard)
- Combination DX evaporator (connection with VRF unit)
- DX evaporator connection: liquid (1/2"), gas (1 1/8")
- Economizer feature with free cooling available

AUXILIARY HEATING OPTIONS
Supplemental electric heating coil with SCR modulation (30 to 54 kW)
Indirect gas-fired furnace (250 MBH or 500 MBH)
- Indirect-fire, natural gas
- SS409 steel tube
- 10:1 modulation
- 81% efficiency
- Flame detection switches

CASING (Standard)
- Double-wall enclosure
- 22-gauge galvanized steel
- White pre-painted steel exterior finish
- Access doors with quarter-turn locks
- 18-gauge galvanized steel drain pan
- Drain connections: 1" (25 mm) NPT
- Mistop component to manage possible extra condensation
- Insulation: 2" (51 mm)
- Exhaust and supply weather hoods with bird screens
- Economizer section with motorized, airtight insulated aluminum dampers for fresh, exhaust, and mixed air.

MOUNTING
- Standard platform (Standard)
- 14-inch 18-gauge steel roof curb (Option)

product code : RC-RTU-12T-01

WARRANTY
- Components covered for 2 years
- Stainless steel exchanger covered 10 years according to OEM standard policies

COMPONENTS INSTALLED AND PRE-WIRED AT THE FACTORY
- Economizer section hood
- 30 to 54 kW electric coil with SCR modulation
- Exhaust fan and hood
- Fuse-less disconnect switch

FILTERS (Standard)
6 MERV 8 filters (16" x 20" x 2")

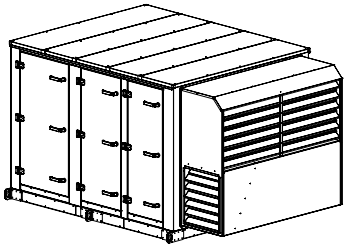
BLOWERS & MOTORS (Standard)
- Supply motorized impeller: 2 x 315 mm backwards inclined
- Exhaust motorized impeller: 315 mm backwards inclined
- Sealed, self-lubricating ball bearings
- High-efficiency, direct-drive EC motor

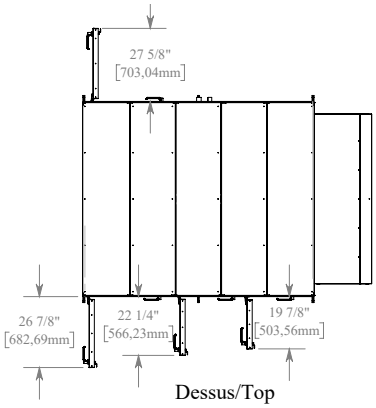
DX EVAPORATOR FROST PREVENTION/CONTROL
2 defrost options available:
- Fan speed reduction during defrost period (offtime defrost)
- Compensation by electric reheating

ELECTRICAL & CONTROLS (Standard)
- Available power supply 208V/3ph/60Hz; 460V/3ph/60Hz; 575V/3ph/60Hz
- Integrated Bacnet MSTP controller kit **product code: 699626**
- Fuse-less disconnect switch (NEMA 4)
- 24V transformer for controls
- Single point of electrical connection
- Rooftop unit with connection capabilities to Daikin, Samsung, Mitsubishi or other third-party VRFs.*

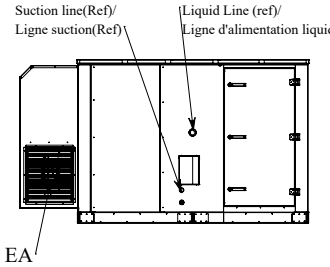
*Contact your local representative

aldes RTU_12Te : Dimensions (Standard - Inches)

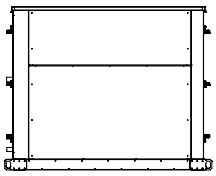




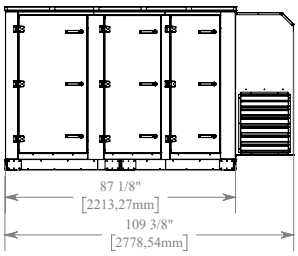
Dessus/Top



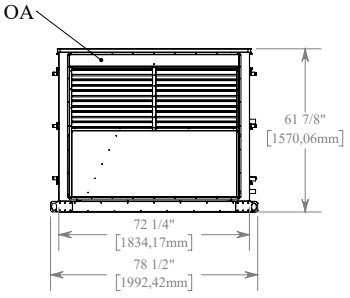
Derrière/Back



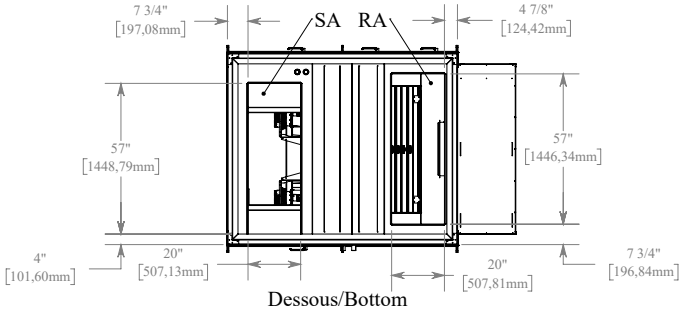
Gauche/Left



Devant/Front

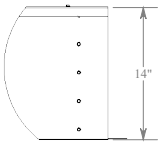


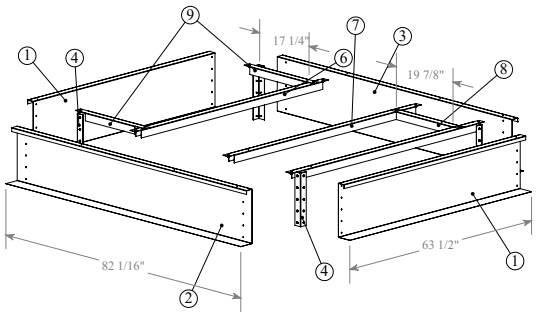
Droite/Right

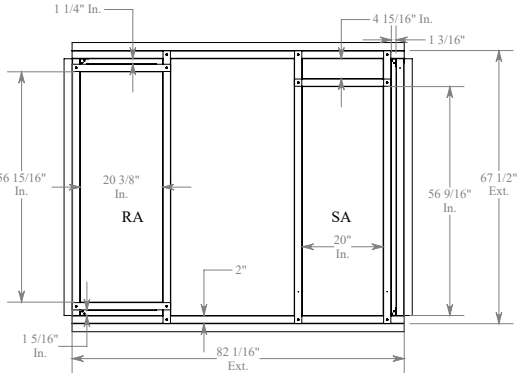


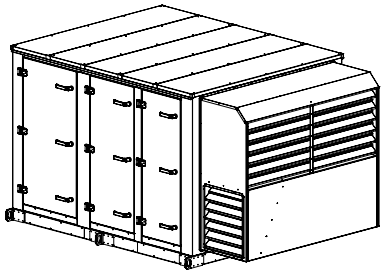
Dessous/Bottom

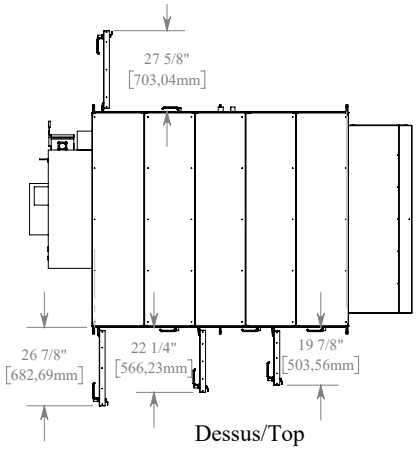
RTU_12Te : Dimensions (Standard - Inches)



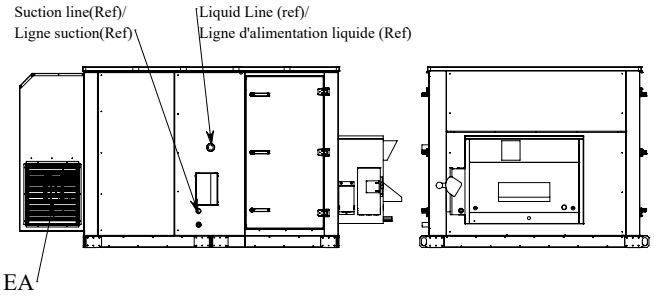






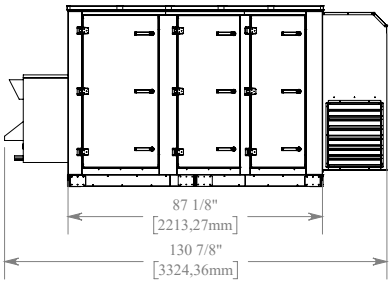


Dessus/Top



Derrière/Back

Gauche/Left



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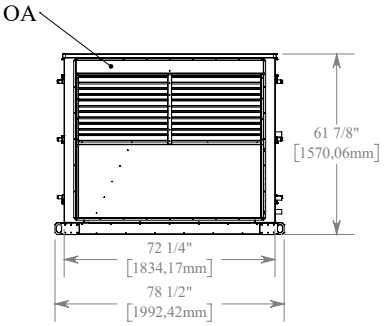
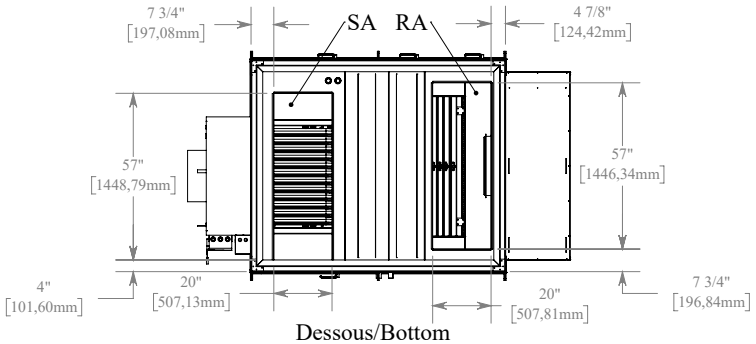
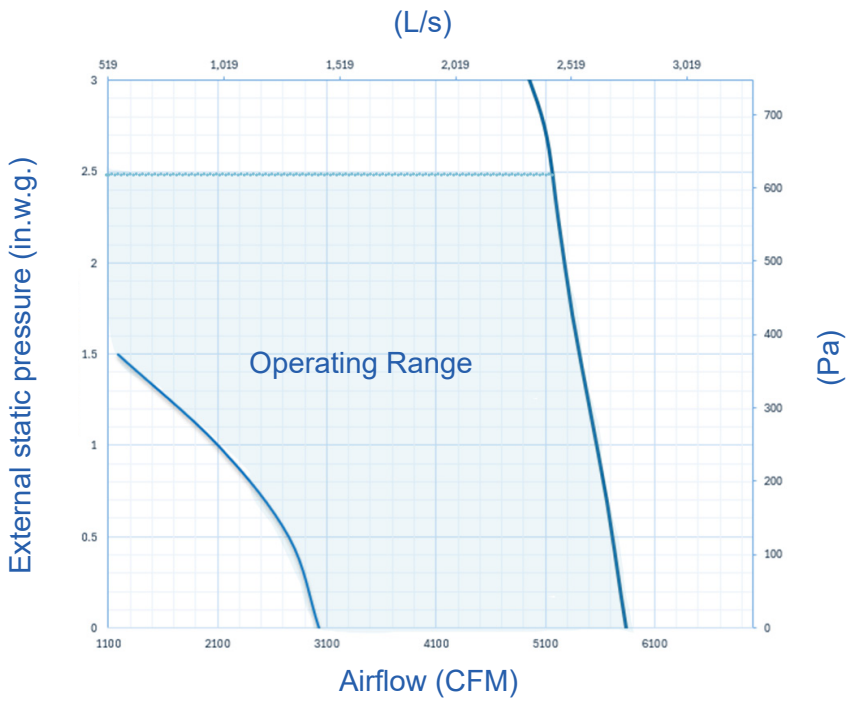


Droite/Right

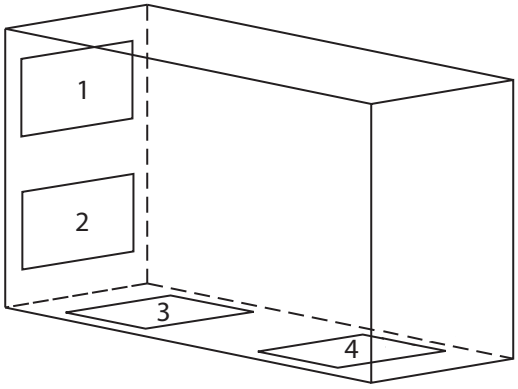


Dessous/Bottom

RTU_12Te : Ventilation Performance



RTU_12Te : Configuration and Weight



LEGEND	
1	Fresh air intake (SA)
2	Exhaust air (EA)
3	Exhaust air return (RA)
4	Fresh air distribution (SA)

RTU WEIGHT		
Unit Weight		2251 lb
Shipping Weight		2331 lb
Furnace Option		
Option 1 (250 MBH)	Unit Weight	2416 lb
	Shipping Weight	2496 lb
Option 2 (500 MBH)	Unit Weight	2576 lb
	Shipping Weight	2656 lb

For more information, contact your Aldes sales advisor, visit aldes-na.com, call 1.800.255.7749, or find us on

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