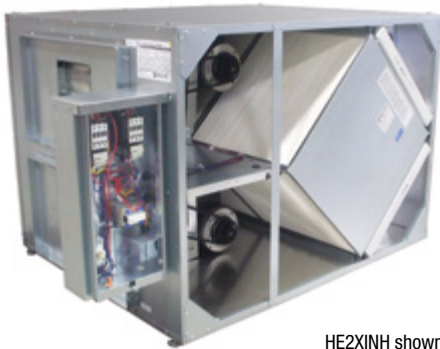




INDOOR UNIT



HE2XINH shown

Energy recovery core is AHRI Certified®



ENERGY RECOVERY VENTILATOR



SPECIFICATIONS

Ventilation Type:

Static plate, heat and humidity transfer

Airflow Range: 500–2,200 CFM**AHRI 1060 Certified Core:** Two L125-G5**Standard Features:**

TEFC premium efficiency motors
 Motor starters
 Non-fused disconnect
 24VAC transformer/relay package
 Cross-core differential pressure ports

Filters:

Total qty. 4, MERV 8: 20" x 20" x 2"

Unit Weight:

H: 406–619 lbs., varies by option(s)

V: 363–538 lbs., varies by options(s)

Max. Shipping Dimensions & Weight (on pallet):

H: 70" L x 47" W x 40" H

714 lbs.

V: 70" L x 47" W x 40" H

678 lbs.

Motor(s):

Qty. 2, Belt drive blower/standard motor (IE3) packages with adjustable sheaves

Options:

Ultra premium efficiency (IE5+) motors with variable frequency drive (VFDs): both airstreams
 Onboard VFDs: both airstreams
 Shaft grounding ring on motors with VFDs
 Fused disconnect
 Integrated programmable controls: enhanced, premium
 Bypass economizer damper (see DIM drawing):
 dry-bulb temperature controls (standard),
 enthalpy controls (option)
 Class 1 low leakage motorized isolation dampers:
 OA, RA or both airstreams
 Factory mounted filter alarms: both airstreams
 Double wall construction
 Exterior paint: white, custom colors

Accessories:

Filters: MERV 13, 2" (shipped loose)
 Automatic balancing damper: 4", 5", 6"
 Digital time clock: wall mount (TC7D-W),
 in exterior enclosure (TC7D-E)
 Carbon dioxide sensor/control:
 wall mount (CO2-W), duct mount (CO2-D)
 IAQ sensor: wall mount (IAQ-W), duct mount (IAQ-D)
 Motion occupancy sensor/control:
 ceiling mount (MC-C), wall mount (MC-W)
 Smoke detector: duct mount (SD-D)
 BACnet fan control: wall mount (BACNETFC-W)
 Indoor electric duct heater: EK series (1–175 kW)
 Indirect gas-fired duct furnace: GH series (50–400 MBH);
 installed downstream of any fans

AIRFLOW PERFORMANCE

Blower RPM	External Static Pressure (Inches Water Column)															
	0.25		0.50		0.75		1.00		1.25		1.50		1.75		2.00	
	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP
800	573	0.3														
900	778	0.4														
1000	983	0.5	687	0.4												
1100	1181	0.6	927	0.5	612	0.4										
1200	1370	0.8	1151	0.7	889	0.6	561	0.5								
1300	1552	1.0	1363	0.9	1140	0.7	870	0.6	541	0.5						
1400	1732	1.2	1567	1.1	1375	1.0	1148	0.8	874	0.7	550	0.6				
1500	1912	1.5	1766	1.4	1599	1.2	1405	1.1	1175	0.9	902	0.8	586	0.6		
1600	2093	1.8	1961	1.7	1813	1.6	1645	1.4	1451	1.2	1222	1.1	952	0.9	646	0.7
1700					2018	1.9	1870	1.8	1703	1.6	1511	1.4	1286	1.2	1024	1.0

Operation in this zone will likely exceed FLA limits.

Operation in this zone outside of core airflow limits.

Note: Brake horsepower (BHP) is for one blower motor package only. Airflow performance includes effect of clean, standard filter supplied with unit.



ENERGY RECOVERY VENTILATOR



ELECTRICAL DATA

Electrical Specifications				Motor Starters (Standard)			Optional IE3 Efficiency Motor with VFDs			Optional IE5+ Efficiency Motor with VFDs		
HP	Volts	Hz	Phase	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device
1.5	120	60	Single	15.2	34.2	45						
1.5	208-230	60	Single	8.2-7.6	18.5	25	4.5-4.4	17.5	25			
	208-230	60	Three	4.5-4.4	10.1	15	4.5-4.4	10.1	15			
	460	60	Three	2.2	5.0	15	2.2	5.0	15			
	575	60	Three	1.8	4.1	15	1.8	4.1	15			
2.0	120	60	Single	20.0	45.0	60						
2.0	208-230	60	Single	10.8-10.0	24.3	35	6.6-5.8	25.7	35	4.5-4.5	17.5	25
	208-230	60	Three	6.6-5.8	14.9	20	6.6-5.8	14.9	20	4.5-4.5	10.1	15
	460	60	Three	2.9	6.5	15	2.9	6.5	15	2.3	5.2	15
	575	60	Three	2.3	5.2	15	2.3	5.2	15			

HE2XINH ENERGY RECOVERY VENTILATOR

ABBREVIATIONS

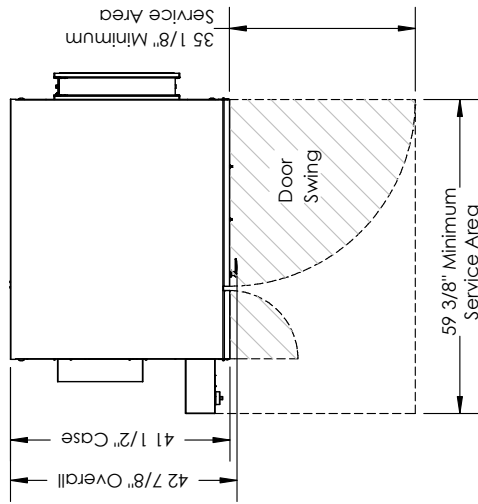
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
FA: Fresh Air to inside

INSTALLATION ORIENTATION

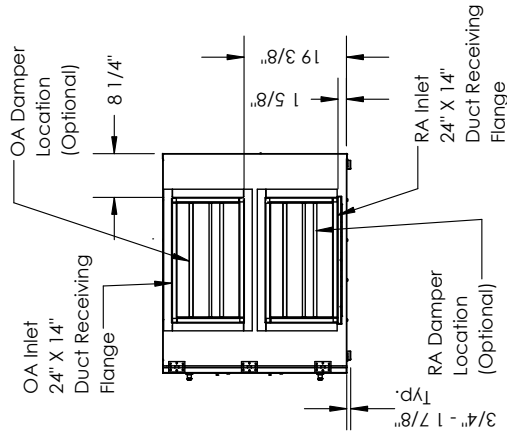
Unit must be installed in orientation shown.

NOTE

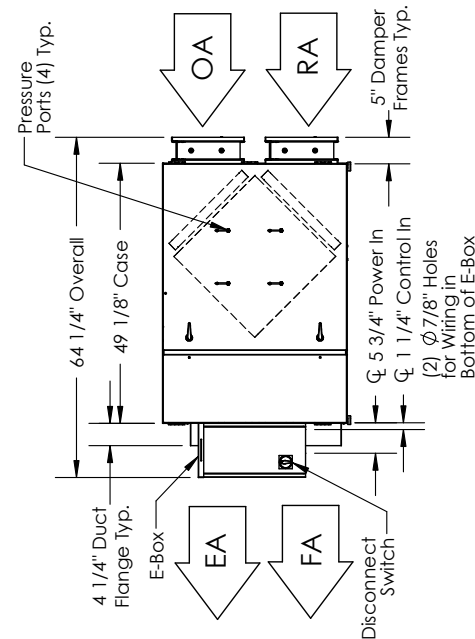
1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.
2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.
3. MIN. DUCT CLEARANCE FROM DAMPER BLADES WHEN FULLY OPENED TO BE 2". SMACNA RULES APPLY.



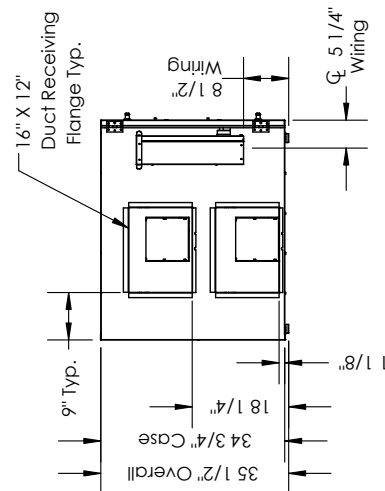
TOP VIEW



RIGHT VIEW



FRONT VIEW



LEFT VIEW

AIRFLOW ORIENTATION

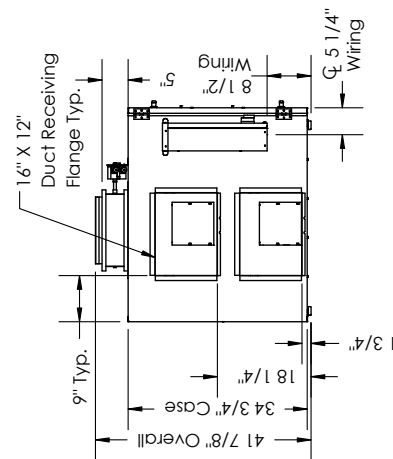
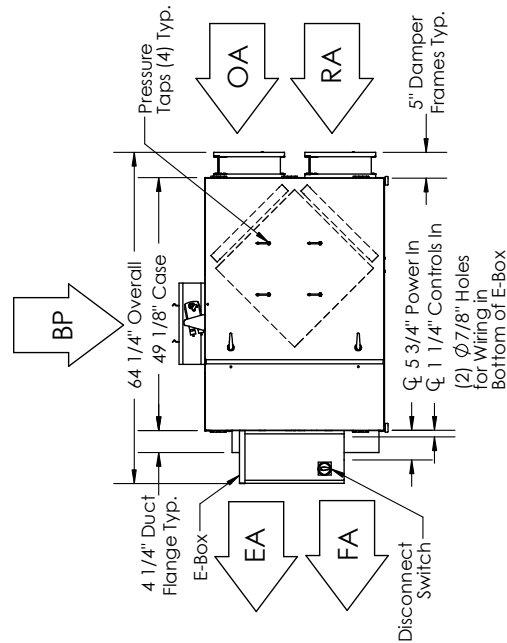
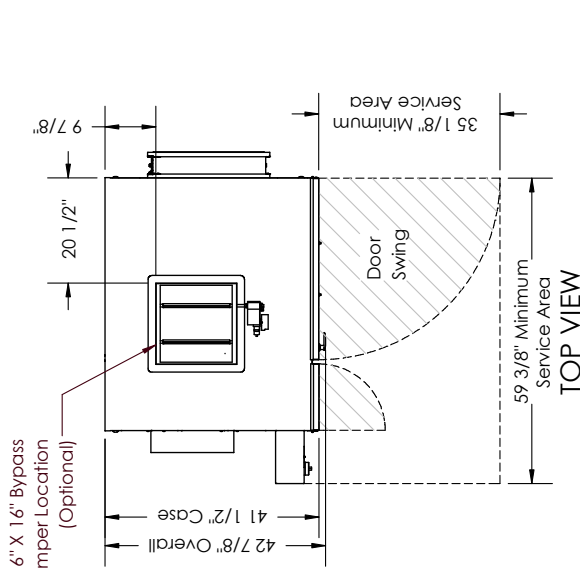
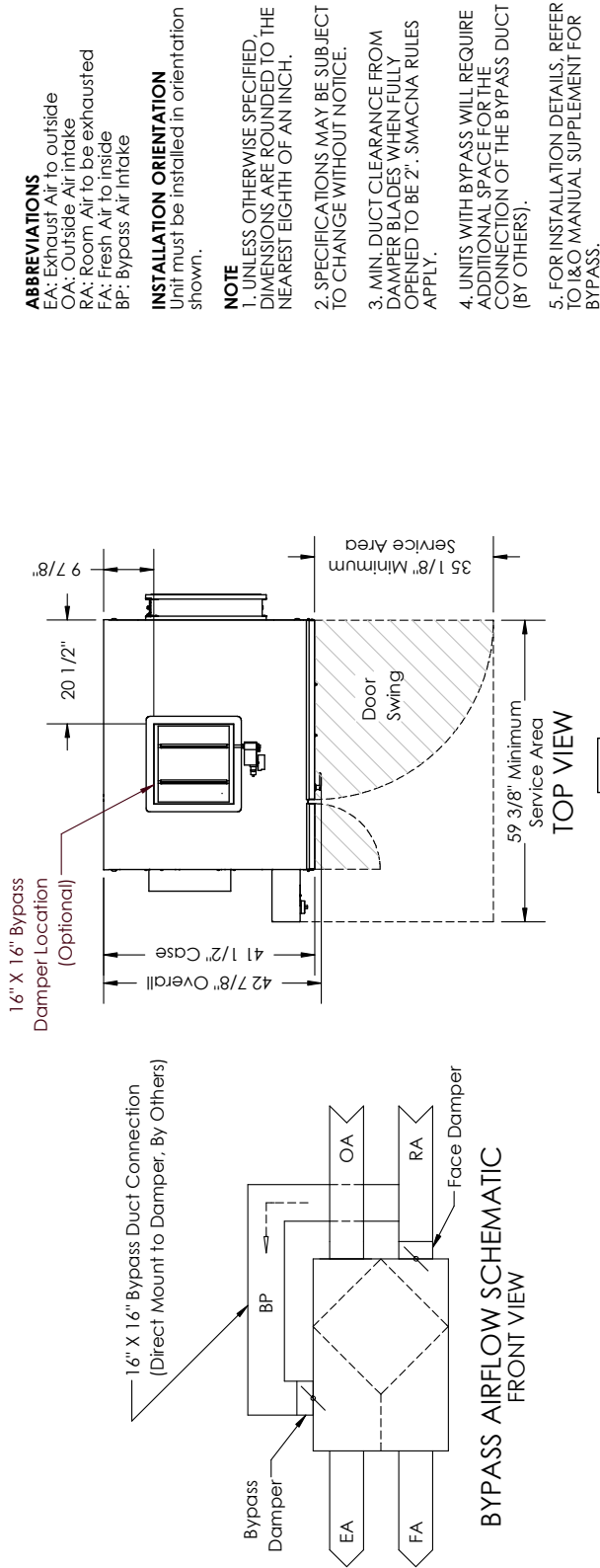
Available as shown in dimension drawing.

UNIT MOUNTING & APPLICATION

Must be mounted as shown. RA/EA airstream can be switched with OA/FA airstream unless certain options are selected.



HE2XINH ENERGY RECOVERY VENTILATOR WITH BYPASS ECONOMIZER



RIGHT VIEW

FRONT VIEW

LEFT VIEW

UNIT MOUNTING & APPLICATION
 Must be mounted as shown. Airstreams cannot be switched.



AIRFLOW ORIENTATION
 Available as shown in dimension drawing.

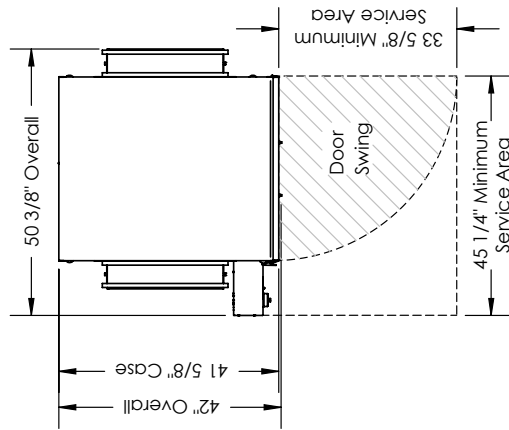


HE2XINV ENERGY RECOVERY VENTILATOR

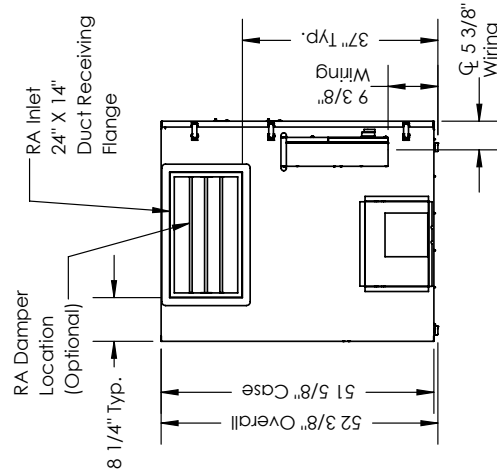
ABBREVIATIONS
 EA: Exhaust Air to outside
 OA: Outside Air intake
 RA: Room Air to be exhausted
 FA: Fresh Air to inside

INSTALLATION ORIENTATION
 Unit must be installed in orientation shown.

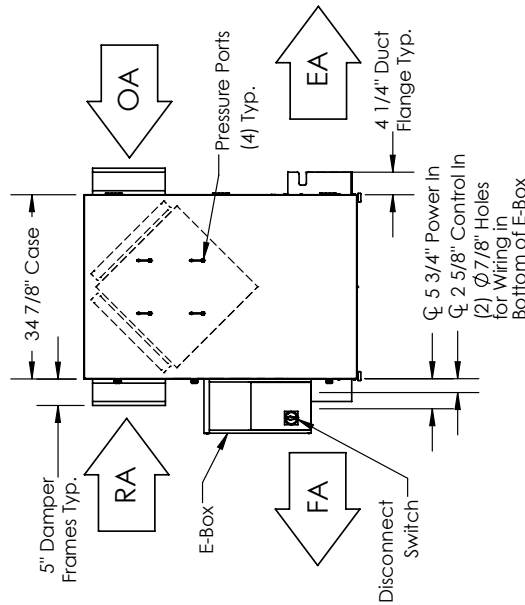
NOTE
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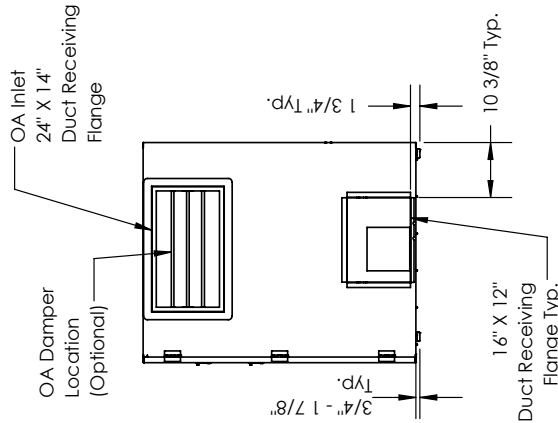
TOP VIEW



LEFT VIEW



FRONT VIEW

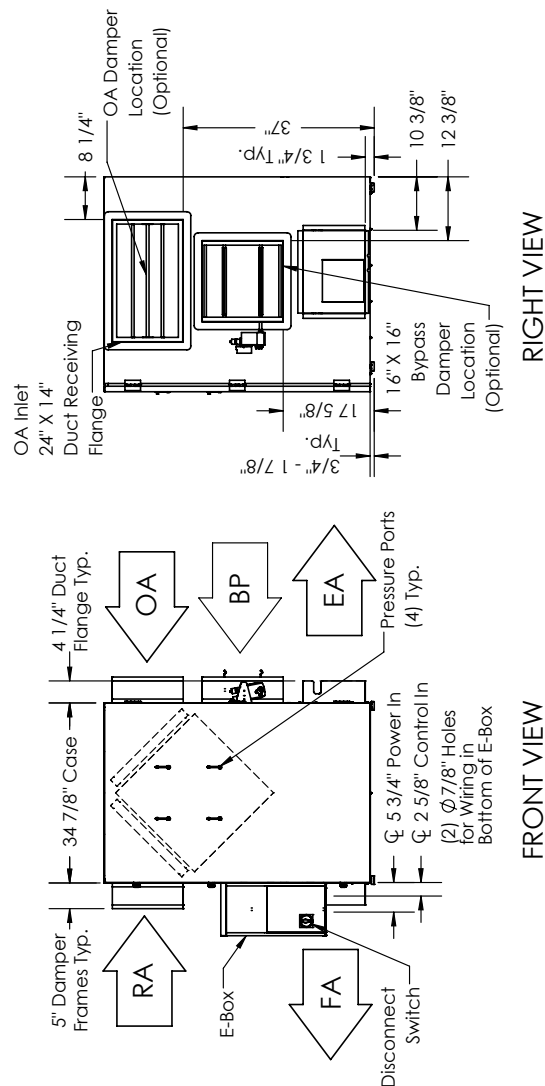
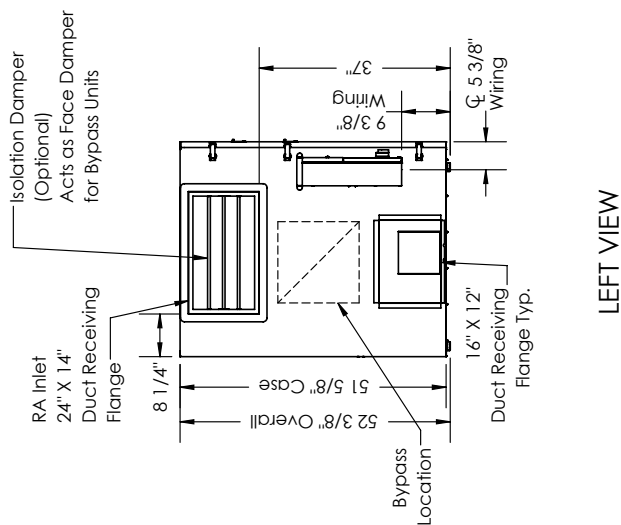
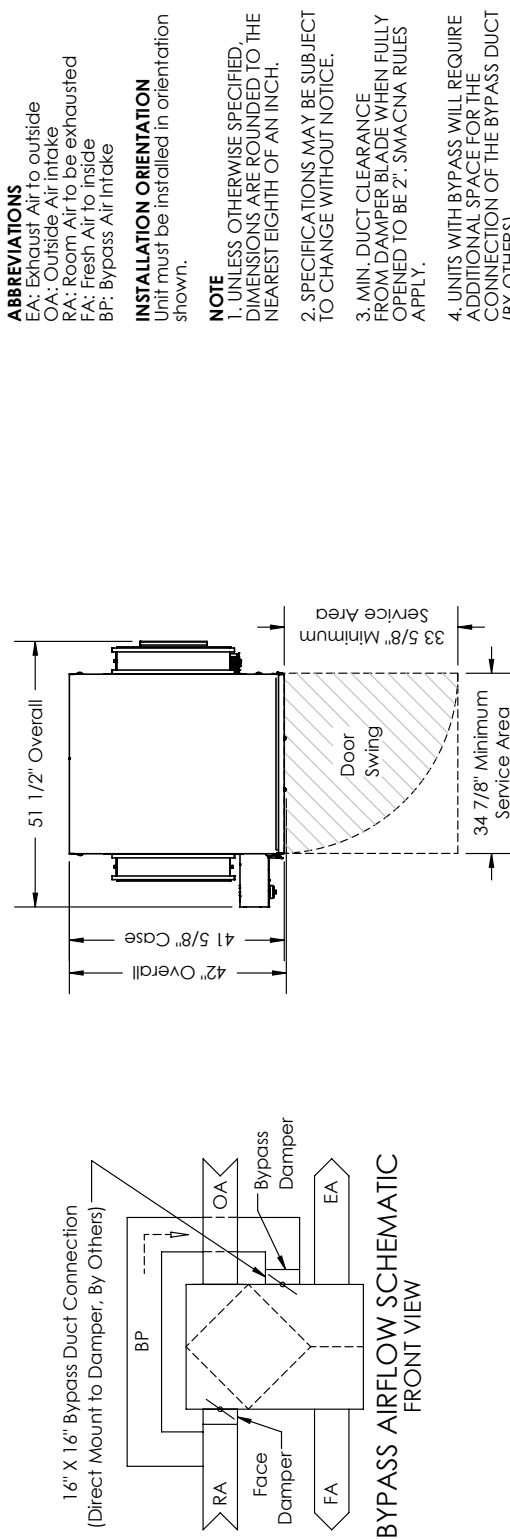


RIGHT VIEW

AIRFLOW ORIENTATION
 Available as shown in dimension drawing.

UNIT MOUNTING & APPLICATION
 Must be mounted as shown. RA/EA airstream can be switched with OA/FA airstream unless certain options are selected.





AIRFLOW ORIENTATION

Available as shown in dimension drawing.



UNIT MOUNTING & APPLICATION

Must be mounted as shown. Airstreams cannot be switched.

