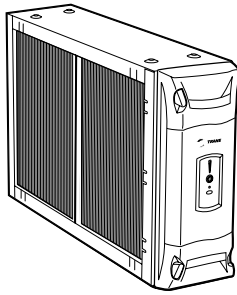TRANE®

It's Hard To Stop A Trane.®

Trane CleanEffects™ Whole House Air Cleaner

Trane CleanEffects™ Whole House Air Cleaner:

- **Trane CleanEffects™** removes up to 99.98% of allergens from the filtered air
- Removes particles down to .01 micron in size
- Outperforms HEPA, and up to 100 times more effective than a standard 1" filter
- Constructed of heavy 18 gage metal to protect the filter and internal electronics
- Power door provides easy access to internal components and features a filter status display as well as safety interlocks that automatically shut down the power when the door is opened for maintenance or cleaning

- Designed for flush fit on both sides and rear of equipment cabinet
- No transitions required on **Trane CleanEffects™** applications
- Gaskets included with the air cleaner
- **ComfortLink II™** communicating or 24 volt capability
- **Base Limited Warranty 5-years**
- **Registered Limited Warranty 10-years**

Table IAQ-1-A – Air Handler – 24 Volt Trane CleanEffects™ Whole House Air Cleaner

Model Number	Airflow Range	Trane CleanEffects™ Air Handler Width	Uncrated Dimensions(in.) H x W x D	Shipping Weight
TFD175CLAH000E	300-1200	$17^1/_2$ inch	$7^1/_2$ x $17^1/_2$ x 21	37
TFD215CLAH000E	300-1200	$21^1/_2$ inch	$7^1/_2$ x $21^1/_2$ x 21	42
TFD235CLAH000E	350-1600	$23^1/_2$ inch	$7^1/_2$ x $23^1/_2$ x 21	44
TFD260CLAH000E	400-2000	26 inch	$7^1/_2$ x 26 x 21	46

Table IAQ-1-B – Upflow / Side Return Furnace – 24 Volt Trane CleanEffects™ Whole House

Model Number	Airflow Range	Trane CleanEffects™ Furnace Width	Uncrated Dimensions(in.) H x W x D	Shipping Weight
TFD145CLFR000E	300-1200	$14^1/_2$ inch①	$7^1/_2$ x $14^1/_2$ x 27	39
TFD175CLFR000E	300-1600	$17^1/_2$ inch①	$7^1/_2$ x $17^1/_2$ x 27	43
TFD210CLFR000E	300-2000	21 inch②	$7^1/_2$ x 21 x 27	47
TFD245CLFR000E	400-2000	$24^1/_2$ inch②	$7^1/_2$ x $24^1/_2$ x 27	49

Table IAQ-1-C – Downflow Furnace – 24 Volt Trane CleanEffects™ Whole House

Model Number	Airflow Range	Trane CleanEffects™ Furnace Width	Uncrated Dimensions(in.) H x W x D	Shipping Weight
TFD14DCLFR000E	300-1200	$14^1/_2$ inch	$7^1/_2$ x $14^1/_2$ x 21	33
TFD17DCLFR000E	300-1600	$17^1/_2$ inch	$7^1/_2$ x $17^1/_2$ x 21	37
TFD21DCLFR000E	300-2000	21 inch	$7^1/_2$ x 21 x 21	41
TFD24DCLFR000E	400-2000	$24^1/_2$ inch	$7^1/_2$ x $24^1/_2$ x 21	45

Table IAQ-1-D — Accessories – Trane CleanEffects™ Whole House

Model Number	Description	Used With	Shipping Weight
BAYTRANS12024	120 to 24 Volt Transformer	All TFD Air Cleaners	6

① Side return no transition required.
② Side return transition required.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

IAQ-1

Effective 1/1/16
22-8301-29

![Trane logo — It's Hard To Stop A Trane.®]

Perfect Fit™ Media Filters
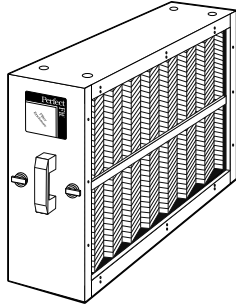
- Four sizes to flush fit bottom of Trane furnaces
- TFM175 (17½") bottom return model can be used for a **Perfect Fit™** side return on all furnace models
- Air Cleaners designed for flush fit on both sides and rear of equipment cabinet

- All service and access is from the front of the air cleaner
- **Air-Tite™** Door construction eliminates air leaks, improves air quality and keeps operating costs low
- Gaskets included with the air cleaner

Table IAQ-2-A– Air Handler Perfect Fit™ High Efficiency Air Cleaner With Five (5) Inch Expandable Media Filter

Model Number	Airflow Range	Perfect Fit™ Air Handler Width	Uncrated Dimensions(in.) H x W x D	Shipping Weight	Return Air Opening③
TFM215**B**0AH0	300-1400	$21^1/_2$ inch	$7^1/_2$ x $21^1/_2$ x 21	22	$18^7/_8$ x$18^7/_8$
TFM235**B**0AH0	300-1700	$23^1/_2$ inch	$7^1/_2$ x $23^1/_2$ x 21	24	$20^7/_8$ x$18^7/_8$
TFM260**B**0AH0	400-2100	26 inch	$7^1/_2$ x 26 x 21	25	$23^7/_8$ x$18^7/_8$

Table IAQ-2-B – Furnace Perfect Fit™ High Efficiency Air Cleaner With Five (5) Inch Expandable Media Filter

Model Number	Airflow Range	Perfect Fit™ Furnace Width	Uncrated Dimensions(in.) H x W x D	Shipping Weight	Return Air Opening③
TFM145**B**0FR0	300-1200	$14^1/_2$ inch①	$7^1/_2$ x$14^1/_2$ x 27	18	$11^7/_8$ x$24^{13}/_{16}$
TFM175**B**0FR0	300-1500	$17^1/_2$ inch①	$7^1/_2$ x $17^1/_2$ x 27	21	$14^7/_8$ x$24^{13}/_{16}$
TFM210**B**0FR0	300-2000	21 inch②	$7^1/_2$ x 21 x 27	24	$18^3/_8$ x$24^{13}/_{16}$
TFM245**B**0FR0	400-2000	$24^1/_2$ inch②	$7^1/_2$ x $24^1/_2$ x 27	27	$21^7/_8$ x$24^{13}/_{16}$

① Side return no transition required.
② Side return transition required.
③ Actual opening does not include flange.

Indoor Air Quality

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

IAQ-2

Effective 1/1/16
22-8301-29

Perfect Fit™ Filter Accessories

Table IAQ-3-A — Furnace Cartridge Media

Model Number	Description	Qty	Enclosure Used with	Shipping Weight
BAYFTFREXM2	Expandable 5" Cartridge Media Filter	2 / Box	14 $^1/_2$ - 24 $^1/_2$ x 21	5

Table IAQ-3-B — Air Handler Cartridge Media

Model Number	Description	Qty	Enclosure Used with	Shipping Weight
BAYFTAHEXM2	Expandable 5" Cartridge Media Filter	2 / Box	21 $^1/_2$ - 26 x 27	5

Table IAQ-3-C — Furnace Frames

Model Number	Description	Qty	Enclosure Used with	Shipping Weight
BAYFRAME145①	Expandable Media Filter	1 / Box	14 $^1/_2$	5
BAYFRAME175①	Expandable Media Filter	1 / Box	17 $^1/_2$	5
BAYFRAME210①	Expandable Media Filter	1 / Box	21	5
BAYFRAME245①	Expandable Media Filter	1 / Box	24 $^1/_2$	5

Table IAQ-3-D — Air Handler Frames

| Model Number	Description	Qty	Enclosure Used with	Shipping Weight
BAYFRAME215①	Expandable Media Frame	1 / Box	21	5
BAYFRAME235①	Expandable Media Frame	1 / Box	23 $^1/_2$	5
BAYFRAME260①	Expandable Media Frame	1 / Box	26	5

① Includes one filter.

Indoor Air Quality

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/16
22-8301-29

CleanEffects™ Dimensions

Table IAQ-4-A — Air Handler Filters

	AIR HANDLER MODEL NUMBER		
ifD Filter	**A**	**B**	
TFD215	21-1/2	19	
TFD235	23-1/2	21	
TFD260	26	23-1/2	

OUTLINE DRAWING AIR HANDLER MODELS

21" CABINET DEPTH ONLY
ADD DOOR DEPTH FOR TOTAL

2-13/16"

1-7/16

Side View

7-7/16

21

18-7/8

Perfect Fit

B

A

Top of Cabinet

CleanEffects™   5" MEDIA

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

Effective 1/1/16
22-8301-29

CleanEffects™ Dimensions

2-13/16"   1-7/16

CleanEffects™
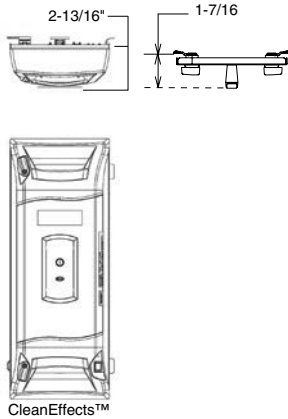
Table IAQ-5-A — Upflow Furnace Filters

ifD Filter	FURNACE MODEL NUMBER	
	A	B
TFD145	$14^1/_2$	12
TFD175	$17^1/_2$	15
TFD210	21	$18^1/_2$
TFD245	$24^1/_2$	22

Table IAQ-5-B — Downflow Furnace Filters

ifD Filter	FURNACE MODEL NUMBER	
	A	B
TFD14D	$14^1/_2$	$11^7/_8$
TFD17D	$17^1/_2$	$14^7/_8$
TFD21D	21	$18^3/_8$
TFD24D	$24^1/_2$	$21^7/_8$

OUTLINE DRAWING DOWNFLOW FURNACE MODELS

21" CABINET DEPTH ONLY
ADD DOOR DEPTH FOR TOTAL
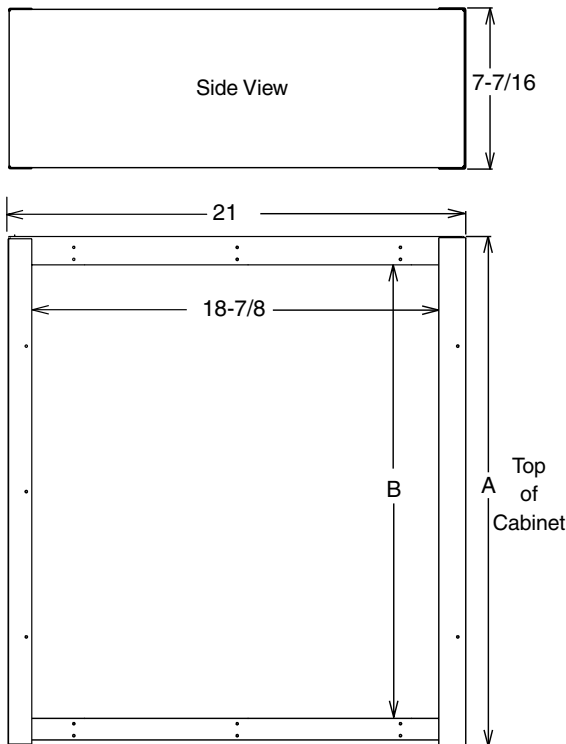
OUTLINE DRAWING UPFLOW FURNACE MODELS
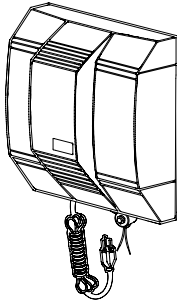
27" CABINET DEPTH ONLY
ADD DOOR DEPTH FOR TOTAL
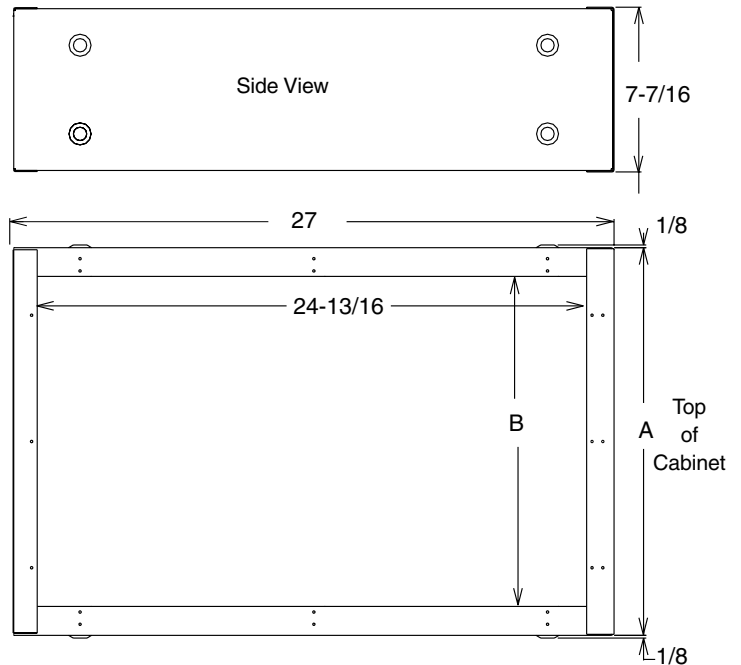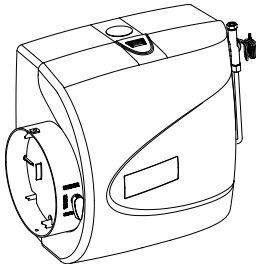

Indoor Air Quality

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

IAQ-5

Effective 1/1/16
22-8301-29

THUMD500A

Humidifiers
Fan Powered and Bypass

THUMD500A

- Flow Through Fan Powered Humidifier
- High Performance Humidifier Delivers up to 18 Gallons per Day
- Automatic Humidifier Control with O.D. Sensor for up to 50% more Humidity
- Front Cover Access for easy replacement of humidifier pad
- Aluminum Humidifier Pad Treated with Ceramic Coating for Enhanced Pad Performance

- Reliable Brass Solenoid Valve w/Stainless Steel Valve Seat
- UV Resistant Cabinet and Scale Control Insert
- Saddle Valve
- Polyslate Gray Housing matches Furnace Cabinet Color
- Decorative nameplate
- 120V Power Line Cord
- 110V Primary/24VA Transformer

THUMD200A, 300A

THUMD200,300A

- THUMD300A Bypass delivers up to 17 Gallons per day
- THUMD200A delivers up to 12 Gallons per day
- THUMD300A Automatic Humidifier Control and O.D. Sensor for up to 50% more Humidity
- THUMD200A Manual Humidifier Control
- UV Resistant Cabinet and Scale Control Insert
- Front Cover Access for easy replacement of humidifier pad
- Aluminum Humidifier Pad Treated with Ceramic Coating for Enhanced Pad Performance

- Reliable Brass Solenoid Valve w/Stainless Steel Valve Seat
- Field Convertible Duct Connection, Left or Right Side
- Built in Summer / Winter Damper
- Saddle Valve
- Polyslate Gray Housing matches Furnace Cabinet Color
- Decorative nameplate
- 110V Primary / 24V Secondary 10VA Transformer

Table IAQ-6-A — Specifications: Humidifier with Humidistat

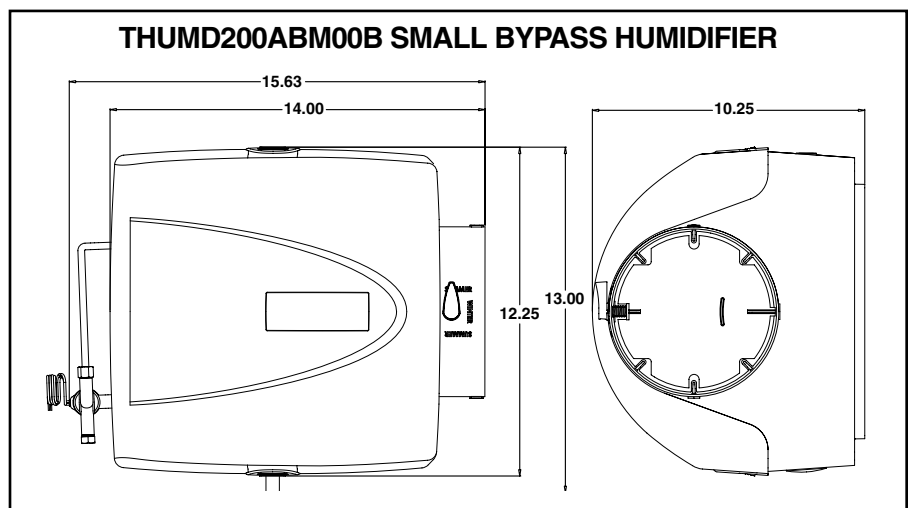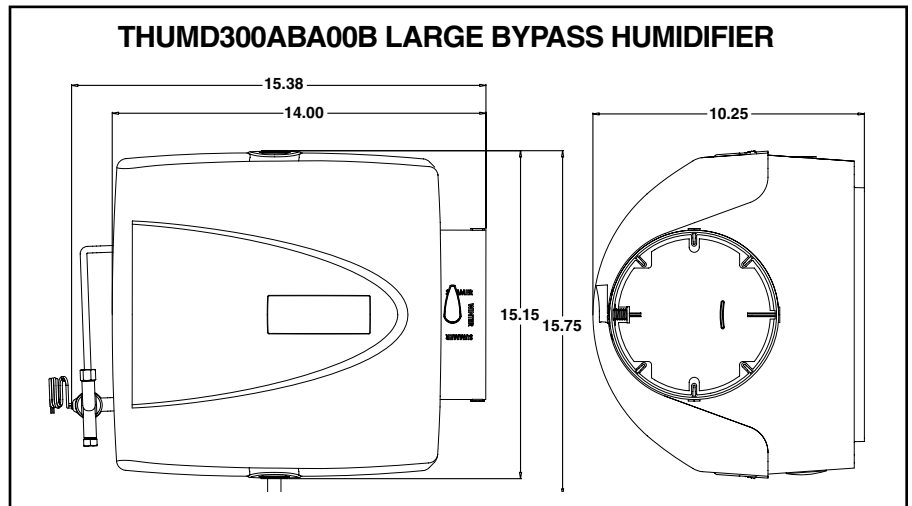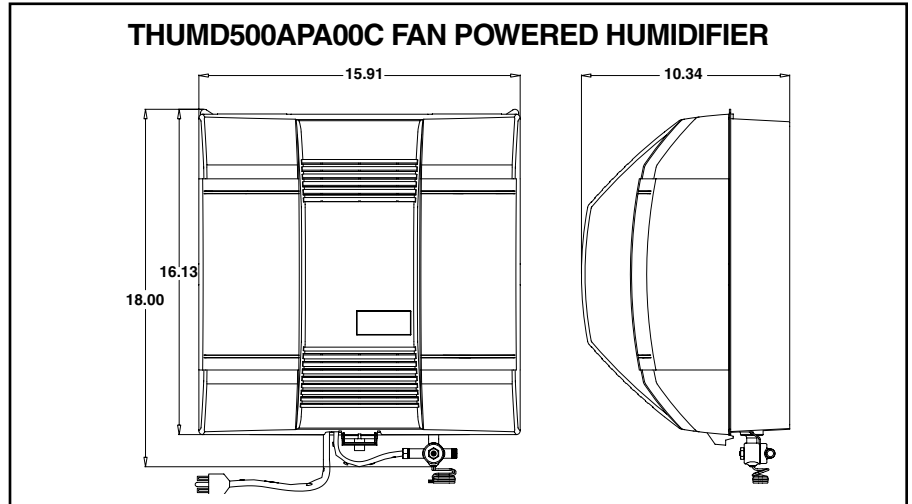| Model Number	Description	Used With	Mfg. Plant	Shipping Weight
THUMD500APA00C①④	Fan Powered Humidifer	All Furnace Models	TY	20
THUMD300ABA00B②	Large Bypass Humidifier	All Furnace Models	TY	15
THUMD200ABM00B③	Small Bypass Humidifier	All Furnace Models	TY	14

① Includes Automatic Humidifier Control (Duct Mount Only).
② Includes Automatic Humidifier Control (Duct Mount Only) and 120/24V transformer.
③ Includes Manual Humidifier Control and 120/24V transformer.
④ Not applicable for horizontal installations.

Table IAQ-6-B — Accessories

Model Number	Description	Used With	Mfg. Plant	Shipping Weight
BAYPAD02A1310A	Large Humidifier Pad 13"x10"	THUMD500,300A	TY	1
BAYPAD01A1010A	Small Humidifier Pad 9-7/8"x9-5/8"	THUMD200A	TY	1
TCONTH01AAUTOA	Automatic Humidifier Control	THUMD200A	TY	1
BAYRLY10ASENSA	Current Sensing Relay	All	TY	1
BAYPLT01AMHCOA	Adapter Plate (Duct Mount)	Manual Humidifier Control	TY	1

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

IAQ-6

Effective 1/1/16
22-8301-29

Indoor Air Quality

Humidifiers
Fan Powered and Bypass

THUMD500APA00C FAN POWERED HUMIDIFIER

15.91   10.34

16.13
18.00

THUMD300ABA00B LARGE BYPASS HUMIDIFIER

15.38   10.25
14.00

15.15 15.75

THUMD200ABM00B SMALL BYPASS HUMIDIFIER

15.63   10.25
14.00

12.25 13.00

Indoor Air Quality

MANUAL HUMIDIFIER CONTROL
(SHIP WITH THUMD200ABM00B)

5.95   0.70

4.13   2.77

DOOR

TCONTH01AAUTOA AUTOMATIC HUMIDIFIER CONTROL

0.69   0.81   1.85

4.52

OFF   BYPASS   POWER

R C ⌐H⌐ ⌐DT⌐
24V

TERMINALS UNDER DOOR

SUGGESTED BYPASS HUMIDIFIER LOCATIONS

RETURN AIR

OPTIONAL FLUE
NOT ALL MODELS

SUPPLY AIR

FLUE   SUPPLY AIR

RETURN AIR

HUMIDIFIER

COOLING COIL

UPFLOW FURNACE
OPTION "A" REAR OF FURNACE OR REAR MOUNT

RETURN AIR

COOLING COIL

SUPPLY AIR

HUMIDIFIER

HORIZONTAL FURNACE

SUPPLY AIR

RETURN AIR

FLUE

HUMIDIFIER

COOLING COIL

UPFLOW FURNACE
OPTION "B" FRONT OF FURNACE OR FRONT MOUNT

Indoor Air Quality

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
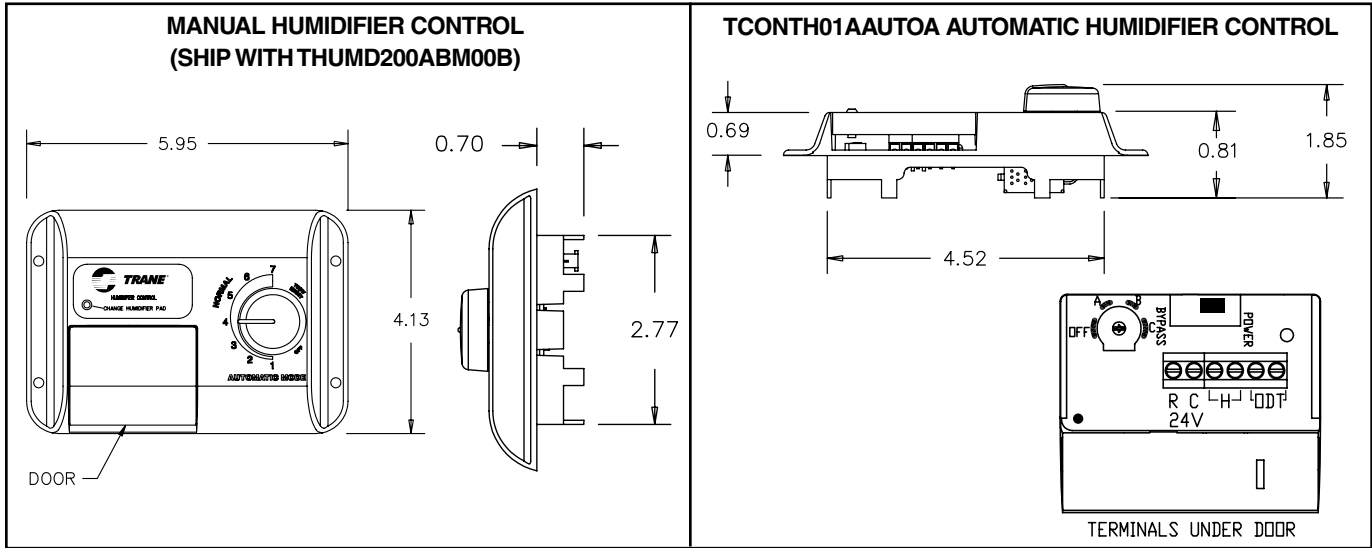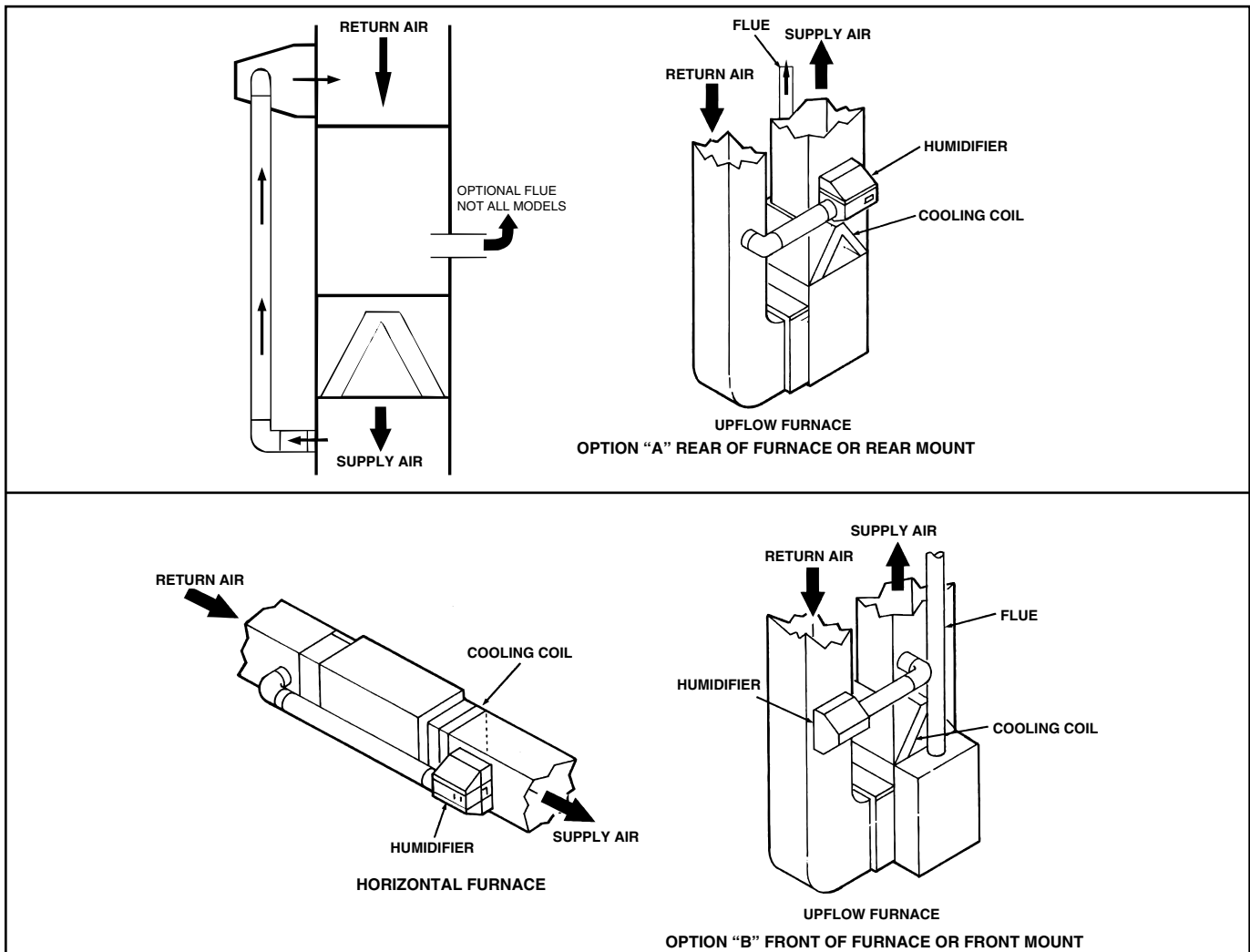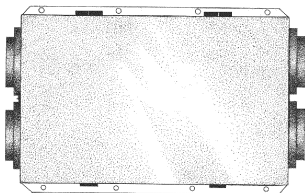Guides and Limited Warranty Handbooks.

IAQ-8

Effective 1/1/16
22-8301-29

FreshEffects™ Energy Recovery Ventilator (ERV)

- **FreshEffects™** ERV technology for all seasons and climates
- Static plate energy transfer core for efficient transfer of heat and moisture
- Passive defrost - condensate drain not required
- Balancing dampers not required
- Multi position mounting
- Percent Timer (PT) control included with ERV for simple, automatic operation
- Optional Push Button (PB) control connects to PT control
- Cam action door latches for quick service access
- Heavy gauge, powder painted steel cabinet
- Permanently lubricated motor bearings (ball bearings)

- 6" and 8" double collar duct connections for TERVR100 and 200
- 8" round compatible duct connection for TERVR300
- Closed cell foam gasketing for insulation integrity
- 1" duct board insulation with cleanable foil face
- May be installed in conditioned and unconditioned spaces
- Cabinet / Door color: Trane Polyslate Gray / Tarpaulin Gray
- **Based Limited Warranty 5-years**
- **Registered Limited Warranty 10-years**
- **Optional extended warranty**

Table IAQ-9-A — Specifications: ERV

Model Number	Nominal Airflow (CFM)	Power Supply	Uncrated Dimensions (In.) H x W x D	Shipping Weight
TERVR100A9P00A①	130	120/1/60	$20^{1}/_{8}$ x $28^{3}/_{4}$ x 13	65
TERVR200A9P00A①	200	120/1/60	$20^{1}/_{8}$ x $28^{3}/_{4}$ x $23^{7}/_{8}$	85
TERVR300A9P00A①	300	120/1/60	$20^{1}/_{8}$ x $28^{3}/_{4}$ x $23^{7}/_{8}$	95

① Percent Timer Control included with the ERV.

Table IAQ-9-B — Specifications: ERV

Model Number	Sensible Recovery Effectiveness(32°F)	Latent Recovery (32°F)	Total Recovery (95°F)
TERVR100A9P00A	72% @ 124 cfm	55% @ 124 cfm	46% @ 126 cfm
TERVR200A9P00A	78% @ 181 cfm	62% @ 181 cfm	52% @ 180 cfm
TERVR300A9P00A	70% @ 295 cfm	51% @ 295 cfm	43% @ 295 cfm

Table IAQ-9-C — Optional Accessories

Model Number	Description	Used With	Shipping Weight
TCONTV10APBC0A	Point of Use Push Button Control	ERV models 100, 200, 300	1
BAYFLT10A1010A	Filters - 2 per pack	ERV models 100	1
BAYFLT20A1020A	Filters - 2 per pack	ERV models 200, 300	1
BAYWHT10AVENTA②	6 inch White Vinyl Ventilation Hood	ERV models 100, 200	1
BAYBRN10AVENTA②	6 inch Brown Vinyl Ventilation Hood	ERV models 100, 200	1
BAYGLV10AVENTA②	8 inch Galvenized Ventilation Hood	ERV models 300	2

② Qty 1.

Indoor Air Quality

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

IAQ-9

Effective 1/1/16
22-8301-29