

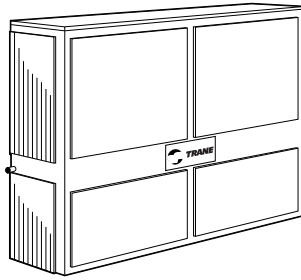


It's Hard To Stop A Trane.®

# Odyssey with Symbio™ Air Handlers

## Single Phase - 5, 7.5, and 10 Tons, R-410A

## Three Phase – 5-25 Tons, R-410A



**TWE - 5-25 Ton  
Convertible Air Handlers  
(Upflow or Horizontal Only)**

- Ships in horizontal configuration, but quickly and easily converts to upflow
- Expansion valve factory installed
- Check valves for heat pump applications
- Belt drive blower
- Factory installed motor, belt, sheaves, contactor, low voltage terminal board
- One inch filters on 5 to 10 ton units (rack convertible for field supplied two inch)
- Captive screws remain on the panels for service ease
- Low voltage terminal board
- Drain Pan
- Factory Installed (EDC) Evaporator Defrost Control
- IAQ (Indoor Air Quality) sloped/free draining pan, no standing water
- Two inch filters factory installed on 12½, 15, 20, 25 ton units
- Supplemental heaters (electric, water, steam) fits directly on unit discharge for low installation cost
- Single point power entry for reduced electrical power installation cost
- Unit fully assembled to reduce field installation costs
- Compact design with low service clearance to reduce building requirements
- Brazed refrigerant piping connections
- Fan relay UL listed and CSA Certified
- Factory installed 2 speed variable frequency drive (VFD) option available for enhanced part load performance and REQUIRED for CA Title 24 Compliance
- Factory installed Single Zone VAV (SZVAV) option available for enhanced part load performance and space temperature control via varying airflow
- Optional extended warranties

### Model Number Description – Cooling Condenser

#### Digit 1-3 – Unit Function

TWE = Air Handler

#### Digit 4-6 – Tonnage

060 = 5 Tons (60Hz)

072 = 6 Tons (60Hz)

090 = 7.5 Tons (60Hz)

120 = 10 Tons (60Hz)

150 = 12.5 Tons (60Hz)

180 = 15 Tons (60Hz)

240 = 20 Tons (60Hz)

300 = 25 Tons (60Hz)

#### Digit 7 – Refrigerant

4 = R-410A

#### Digit 8 – Voltage

3 = 208-230VAC - 3 PH (60Hz)

4 = 460VAC - 3 PH (60Hz)

W = 575VAC - 3 PH (60Hz)

#### Digit 9 – Refrigeration Circuit/Stage

A = Single Circuit

B = Dual Circuit

#### Digit 10 – Major Design Sequence

A = Current Design Sequence

#### Digit 11 – Minor Design Sequence

A = Current Design Sequence

#### Digit 12-13 – Service Digits

00 = 00

#### Digit 14 – Efficiency Generation

B = Generation B

#### Digit 15 – Controls

1 = Constant Volume

C = 2 Stage Airflow (Electromechanical™ Condenser Only)

D = 2 Stage Airflow/Single Zone VAV (Symbio™ Condenser Only)

#### Digit 16 – Indoor Fan Sizes

0 = Standard Motor

4 = High Static – (Oversized Motor for VFD Units)

#### Digit 17-40 – None

0 = None

**Table LAH-1-A – Single Circuit Coil - R-410A<sup>④</sup>**

Tons	Unit Model No.	Power Supply Volts/Phase/Hz	FCCV	"Drive Type"	"Dimensions (in) H x W x D" <sup>③</sup>	"Shipping Weight (lbs)"	MCA*	Max Fuse Size or Max Circuit Breaker <sup>②*</sup>
<b>Single Phase</b>								
5	TWE06041A	208-230/1/60	TXV	Belt	48 x 39 x 23	285	8	15
7 ½	TWE09041A <sup>①</sup>	208-230/1/60	TXV	Belt	54 x 49 x 26	385	8	15
10	TWE12041A <sup>①</sup>	208-230/1/60	TXV	Belt	54 x 65 x 26	441	11	15
<b>Three Phase</b>								
5	TWE06043A	208-230/3/60	TXV	Belt	48 x 39 x 23	285	3	15
5	TWE06044A	460/3/60	TXV	Belt	48 x 39 x 23	285	2	15
5	TWE0604WA	575/3/60	TXV	Belt	48 x 39 x 23	285	2	15
7 ½	TWE09043A <sup>①</sup>	208-230/3/60	TXV	Belt	54 x 49 x 26	385	7	15
7 ½	TWE0904WA <sup>①</sup>	575/3/60	TXV	Belt	54 x 49 x 26	385	2	15
10	TWE12043A <sup>①</sup>	208-230/3/60	TXV	Belt	54 x 65 x 26	441	9	15
10	TWE1204WA <sup>①</sup>	575/3/60	TXV	Belt	54 x 65 x 26	441	3	15

① Control transformer not included. Order control transformer accessory when matching these air handlers with 3-5 ton condensing units.

② HACR type circuit breaker per NEC.

③ Dimensions based on Upflow position.

④ All air handlers are shipped with the drain pan installed in the horizontal position. For vertical configuration, the drain pan should be repositioned before setting the air handler.

\* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

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

LAH-1

Effective 1/1/23  
22-8301-36

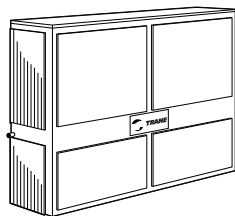


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060 = 5 Tons (60Hz)      150 = 12.5 Tons (60Hz)  
 072 = 6 Tons (60Hz)      180 = 15 Tons (60Hz)  
 090 = 7.5 Tons (60Hz)    240 = 20 Tons (60Hz)  
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1 = Constant Volume  
 C = 2 Stage Airflow (Electromechanical™ Condenser Only)  
 D = 2 Stage Airflow/Single Zone VAV (Symbio™ Condenser Only)

#### Digit 16 — Indoor Fan Sizes

0 = Standard Motor  
 4 = High Static - (Oversized Motor for VFD Units)

#### Digit 17-40 — None

0 = None

Table LAH-2-A — Dual Circuit Coil — R-410A ④

Tons	Unit Model No.	Power Supply Volts/Phase/Hz	FCCV	"Drive Type"	"Dimensions (in) H x W x D"③	"Shipping Weight (lbs)"	MCA*	Max Fuse Size or Max Circuit Breaker②*
<b>Single Phase</b>								
5	TWE06041B	208-230/1/60	TXV	Belt	48 x 39 x 23	285	8	15
7 ½	TWE09041B①	208-230/1/60	TXV	Belt	54 x 49 x 26	385	8	15
10	TWE12041B①	208-230/1/60	TXV	Belt	54 x 65 x 26	441	11	15
<b>Three Phase</b>								
5	TWE06043B	208-230/3/60	TXV	Belt	48 x 39 x 23	285	3	15
5	TWE06044B	460/3/60	TXV	Belt	48 x 39 x 23	285	2	15
6	TWE07243B	208-230/3/60	TXV	Belt	54 x 49 x 26	385	7	15
6	TWE0724WB	575/3/60	TXV	Belt	54 x 49 x 26	385	2	15
7 ½	TWE09043B①	208-230/3/60	TXV	Belt	54 x 49 x 26	385	7	15
10	TWE12043	208-230/3/60	TXV	Belt	54 x 65 x 26	441	9	15
10	TWE1204W	575/3/60	TXV	Belt	54 x 65 x 26	441	3	15
10	TWE12043B	208-230/3/60	TXV	Belt	54 x 65 x 26	441	9	15
10	TWE1204WB	575/3/60	TXV	Belt	54 x 65 x 26	441	3	15
12 ½	TWE15043B	208-230/3/60	TXV	Belt	69 x 81 x 30	753	7	15
12 ½	TWE1504WB	575/3/60	TXV	Belt	69 x 81 x 30	753	3	15
15	TWE18043B	208-230/3/60	TXV	Belt	69 x 81 x 30	752	12	20
15	TWE1804WB	575/3/60	TXV	Belt	69 x 81 x 30	752	4	15
20	TWE24043B	208-230/3/60	TXV	Belt	72 x 94 x 32	912	18	30
20	TWE24044B	460/3/60	TXV	Belt	72 x 94 x 32	912	8	15
20	TWE2404WB	575/3/60	TXV	Belt	72 x 94 x 32	912	7	15
25	TWE30043B	208-230/3/60	TXV	Belt	72 x 94 x 32	993	25	40
25	TWE30044B	460/3/60	TXV	Belt	72 x 94 x 32	993	11	20
25	TWE3004WB	575/3/60	TXV	Belt	72 x 94 x 32	993	9	15

① Control transformer not included. Order control transformer accessory when matching these air handlers with 3-5 ton condensing units.

② HACR type circuit breaker per NEC.

③ Dimensions based on Upflow position.

④ All air handlers are shipped with the drain pan installed in the horizontal position.

For vertical configuration, the drain pan should be repositioned before setting the air handler.

⑤ 460V motors (digit 8=4) are only available on TWE150E and TWE180 when Title 24 or SZVAV is selected in digits 9 and 10.

\* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

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



# Odyssey with Symbio™ Air Handlers, R-410A Electric Heaters

Single Phase - 5, 7.5, and 10 Tons, R-410A  
Three Phase – 5-25 Tons

**Table LAH-3-A – TWE 5 - 10 Ton Electric Heater Selection**

Model Number	Description	Used With
BAYHTRN106*	4.33/5.76 kW Heater 208/240/1 Phase	TWE 060, 090, 120
BAYHTRR112*	8.65/11.52 kW Heater 208/240/1 Phase	TWE 060, 090, 120
BAYHTRS117*	12.98/17.28 kW Heater 208/240/1 Phase	TWE 060, 090, 120
BAYHTRR123*	17.30/23.04 kW Heater 208/240/1 Phase	TWE 060, 090, 120
BAYHTRN129*	21.65/28.8 kW Heater 208/240/1 Phase	TWE 090, 120
BAYHTRN305*	3.75/5.00 kW Heater 208/240/3 Phase	TWE 060, 072, 090, 120
BAYHTRR310*	7.45/9.96 kW Heater 208/240/3 Phase	TWE 060, 072, 090, 120
BAYHTRR315*	11.25/14.96 kW Heater 208/240/3 Phase	TWE 060, 072, 090, 120
BAYHTRN325*	18.71/24.92 kW Heater 208/240/3 Phase	TWE 060, 072, 090, 120
BAYHTRN335*	26.20/34.88 kW Heater 208/240/3 Phase	TWE 090, 120
BAYHTRN405*	5.00 kW Heater 460/3 Phase	TWE 060, 072, 090, 120 <sup>⓪</sup>
BAYHTRR410*	9.96 kW Heater 460/3 Phase	TWE 060, 072, 090, 120 <sup>⓪</sup>
BAYHTRR415*	14.96 kW Heater 460/3 Phase	TWE 060, 072, 090, 120 <sup>⓪</sup>
BAYHTRN425*	24.92 kW Heater 460/3 Phase	TWE 060, 072, 090, 120 <sup>⓪</sup>
BAYHTRN435*	34.88 kW Heater 460/3 Phase	TWE 090, 120 <sup>⓪</sup>
BAYHTRNW05*	5.00 kW Heater 575/3 Phase	TWE 060, 072, 090, 120
BAYHTRRW10*	9.96 kW Heater 575/3 Phase	TWE 060, 072, 090, 120
BAYHTRRW15*	14.96 kW Heater 575/3 Phase	TWE 060, 072, 090, 120
BAYHTRNW25*	24.92 kW Heater 575/3 Phase	TWE 060, 072, 090, 120
BAYHTRNW35*	34.88 kW Heater 575/3 Phase	TWE 090, 120

**Table LAH-3-B – TWE 12½ - 20 Ton Electric Heater Selection**

Model Number	Description	Used With
BAYHTRP310*	7.75/10.0 kW Heater 208/240/3 Phase	TWE 150, 180, 240, 300
BAYHTRP320*	14.96/19.92 kW Heater 208/240/3 Phase	TWE 150, 180, 240, 300
BAYHTRP330*	22.50/29.92 kW Heater 208/240/3 Phase	TWE 150, 180, 240, 300
BAYHTRP350*	37.42/49.84 kW Heater 208/240/3 Phase	TWE 150, 180, 240, 300
BAYHTRP410*	10.0 kW Heater 460/3 Phase	TWE 150 <sup>⓪</sup> , 180, 240, 300
BAYHTRP420*	19.92 kW Heater 460/3 Phase	TWE 150 <sup>⓪</sup> , 180, 240, 300
BAYHTRP430*	29.92 kW Heater 460/3 Phase	TWE 150 <sup>⓪</sup> , 180, 240, 300
BAYHTRP450*	49.84 kW Heater 460/3 Phase	TWE 150, 180, 240, 300
BAYHTRPW10*	10.0 kW Heater 575/3 Phase	TWE 150, 180, 240, 300
BAYHTRPW20*	19.92 kW Heater 575/3 Phase	TWE 150, 180, 240, 300
BAYHTRPW30*	29.92 kW Heater 575/3 Phase	TWE 150, 180, 240, 300
BAYHTRPW50*	49.84 kW Heater 575/3 Phase	TWE 150, 180, 240, 300

<sup>⓪</sup> Field convertible to 460/3/60.



It's Hard To Stop A Trane.®

# Odyssey with Symbio™ Air Handlers, R-410A Electric Heaters

Single Phase - 5, 7.5, and 10 Tons, R-410A

Three Phase – 5-25 Tons

**Table LAH-4-A – 5 – 20 Ton Accessory Selection**

Model Number	Description	Used With
<b>Subbase</b>		
BAYBASE009*	Vertical Air Handler Subbase	TWE060
BAYBASE010*	Vertical Air Handler Subbase	TWE072, 090
BAYBASE011*	Vertical Air Handler Subbase	TWE120
BAYBASE012*	Vertical Air Handler Subbase	TWE150, 180
BAYBASE013*	Vertical Air Handler Subbase	TWE240, 300
<b>Grille</b>		
BAYGRLE001*	Return Air Grille	TWE060
BAYGRLE002*	Return Air Grille	TWE072, 090
BAYGRLE003*	Return Air Grille	TWE120
BAYGRLE004*	Return Air Grille	TWE150, 180
BAYGRLE005*	Return Air Grille	TWE240, 300
<b>Isolators</b>		
BAYISLT004* ①②③④	34 Rubber Isolator Floor (blue)	TWE060-120
BAYISLT009* ①②③	3 Rubber Isolator Floor (red)	TWE150, 180
BAYISLT010* ①②③	3 Rubber Isolator Floor (green)	TWE240, 300
BAYISLT012* ③	Rubber Isolator Suspended (red/green)	TWE150, 180
BAYISLT013* ③④	Rubber Suspended (red/green)	TWE060
BAYISLT014* ③④	Rubber Suspended (green)	TWE090
BAYISLT015* ③④	Rubber Suspended (green/black)	TWE120
BAYISLT016* ③	Rubber Suspended (red/green)	TWE240, 300
BAYISLT019* ①②③	Steel Spring Isolator Floor (red)	TWE060-120
BAYISLT021* ①②③	Steel Spring Isolator Floor (black)	TWE150, 180
BAYISLT032* ①②③	Steel Spring Isolator Floor (black/yellow)	TWE240
BAYISLT028* ③	Steel Spring Isolator Suspended (tan)	TWE060
BAYISLT029* ③	Steel Spring Isolator Suspended (red)	TWE072, 090, 120
BAYISLT030* ③	Steel Spring Isolator Suspended (black)	TWE150, 180
BAYISLT031* ③	Steel Spring Isolator Suspended (black/yellow)	TWE240, 300

① When the Air handler is in the vertical position and close proximity trapping of condensate is required, use of subbase is required.

② Requires use of subbase accessory.

③ Units having steam or hot water coils applied vertically or horizontally check IOM for proper Isolator kit selection.

④ Do not use if blower will operate less than 600 RPM.

Light Commercial  
Air Handlers/Heaters



It's Hard To Stop A Trane.®

# Odyssey with Symbio™ Air Handlers, R-410A Electric Heaters

Single Phase - 5, 7.5, and 10 Tons, R-410A  
Three Phase – 5-25 Tons

**Table LAH-5-A – TWE 5 - 20 Ton Accessory Selection**

Model Number	Description	Used With
<b>Plenum</b>		
BAYPLNM015* ②	Discharge Plenum & Grille	TWE060
BAYPLNM016* ②	Discharge Plenum & Grille	TWE072, 090
BAYPLNM017* ②	Discharge Plenum & Grille	TWE120
BAYPLNM018* ②	Discharge Plenum/Hydronic Coil Plenum & Grille	TWE150, 180
BAYPLNM019* ②	Discharge Plenum/Hydronic Coil Plenum & Grille	TWE240, 300
BAYPLNM020* ②	Hydronic Coil Discharge Plenum & Grille	TWE060
BAYPLNM021* ②	Hydronic Coil Discharge Plenum & Grille	TWE072 090
BAYPLNM022* ②	Hydronic Coil Discharge Plenum & Grille	TWE120
BAYPLNM030* ②	Hydronic Coil Discharge Plenum & Grille	TWE060
BAYPLNM031* ②	Hydronic Coil Discharge Plenum & Grille	TWE072, 090
BAYPLNM032* ②	Hydronic Coil Discharge Plenum & Grille	TWE120
BAYPLNM033* ②	Hydronic Coil Discharge Plenum & Grille	TWE150, 180
BAYPLNM034* ②	Hydronic Coil Discharge Plenum & Grille	TWE240, 300
<b>Transformer</b>		
BAYTFMR018* ①	100 VA Transformer (208-230V)	All TWE072 - TWE300, 208-230V units
BAYTFMR019* ①	100 VA Transformer (460V)	All TWE072 - TWE120, 460V units
BAYTFMR020* ①	100 VA Transformer (575V)	All TWE072 - TWE120, 575V units
BAYTFMR021* ①	100 VA Transformer (400V)	All TWE072 - TWE120 380V/60 Hz units
<b>Water Kits</b>		
BAYWATR022* ②	Steam Coil Enclosure	TWE060
BAYWATR023* ②	Steam Coil Enclosure	TWE072, 090
BAYWATR024* ②	Steam Coil Enclosure	TWE120
BAYWATR025* ②	Steam Coil Enclosure	TWE150, 180
BAYWATR026* ②	Steam Coil Enclosure	TWE240, 300
BAYWATR027* ②	Hot Water Coil Enclosure	TWE060
BAYWATR028* ②	Hot Water Coil Enclosure	TWE072, 090
BAYWATR029* ②	Hot Water Coil Enclosure	TWE120
BAYWATR030* ②	Hot Water Coil Enclosure	TWE150, 180
BAYWATR031* ②	Hot Water Coil Enclosure	TWE240, 300
<b>Wire Kit</b>		
BAYWRKT002* ③	180 Blower Discharge Reversal Kit	BAYWRKT002* TWE060, TWE072, TWE090, TWE120

① Required when 6 -10 Ton Air Handlers are matched with 3-5 Ton condensing units.

② When installed horizontally, plenum/water coil must be self supported.

③ Cannot be used on TWE150-240, due to motor mount location.

Light Commercial  
Air Handlers/Heaters

# Odyssey with Symbio™ Air Handlers Split Systems 5-25 Tons, R-410A

Light Commercial  
Air Handlers/Heaters

### Factory Supplied Accessories

- (A) Air Handler (TWE 5 – 25 Tons)
- (B) Outdoor Condensing Unit (TTA – Cooling 6 – 20 Tons)  
(TWA – Heat Pump 6 – 20 Tons)
- (P) Discharge Plenum and Grille (BAYPLNM)
- (EH) Electric Heater and Casing (BAYHTRL)  
Fits on Top of Unit (13 H x 30 W x 17 D)
- (SB) Subbase (BAYBASE)
- (I) Isolators (BAYISLT)
- (RG) Return Grille (BAYGRLE)
- (CG) Coil Guards (BAYLOAM)
- (WC) Steam/Hot Water Coil (BAYWATR)

