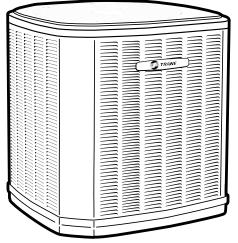


Product and Submittal Data

Split System Heat Pump

5TWR4018A1000A 5TWR4024A1000A 5TWR4030A1000A 5TWR4036A1000A/B 5TWR4042A1000A 5TWR4048A1000A 5TWR4060A1000A



Note: Graphics in this document are for representation only. Actual model may differ in appearance.





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Data Notes

This document supersedes and includes data from the documents listed below.

Table 1. Data notes

Literature Number	Title
ODR-PRD026*-EN	Split System Heat Pump 5TWR4 Product Data
5TWR4018A-SUB-1*	Submittal, Split System Heat Pump 5TWR3018A1000A
TH42-PRQ001*	Submittal, Split System Heat Pump 5TWR4024A1000A
TH43-PRQ001*	Submittal, Split System Heat Pump 5TWR4030A1000A
TH44-PRQ001*	Submittal, Split System Heat Pump 5TWR4036A1000A
5TWR4042A-SUB-1*	Submittal, Split System Heat Pump 5TWR3042A1000A
5TWR4048A-SUB-1*	Submittal, Split System Heat Pump 5TWR3048A1000A
5TWR4060A-SUB-1*	Submittal, Split System Heat Pump 5TWR3060A1000A

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Product Specifications

Table 2. 5TWR4018 - 5TWR4036

Power Comis. − V/Ph/Hz □ 208/230/1/60 208/23	Model No. (a) (b)	5TWR4018A1000A	5TWR4024A1000A	5TWR4030A1000A	5TWR4036A1000A/B		
RR. CIR. PROT. RTG Max. (Amps) Compressor CLIMATUFFe> SCROLL CLIMATUFFe SCROLL CLIMATUFF SCROLL CLIMATUFF SCROLL CLIMATU	Power Conns. – V/Ph/Hz ^(c)	208/230/1/60	208/230/1/60	208/230/1/60	208/230/1/60		
Compressor CLIMATUFF® - SCROLL CLIMATUFF® - SCROLN NO NO<	Min. BRCH. CIR. Ampacity	12	13	16	19		
No. Used - No. Stages 1 − 1 1 − 1 − 1 − 1 − 1 − 1 − 1 − 1 −	BR. CIR. PROT. RTG. – Max. (Amps)	20	20	25	30		
Volts/Ph/Hz 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 10.4 - 71.0 14.1 - 83.2 / 13.5 - 75.0 Factory Installed Start Components (**) NO (Uses BAYKSKT263) NO (Compressor	CLIMATUFF® - SCROLL	CLIMATUFF® - SCROLL	CLIMATUFF® - SCROLL	CLIMATUFF® - SCROLL		
R.L. Amps (□ - L.R. Amps 7.8 - 47.5 9.1 - 59.0 10.4 - 71.0 14.1 - 33.2 / 13.5 - 75.0 Factory Installed Start Components (□ NO (Uses BAYKSKT263) NO (Uses Bayks SAYKST263) NO (Uses Bayks SAYKST263) NO (Uses Bayks SAYKST263) NO (Uses Bayks SAYKST263) NO (Uses Bayks SAYKST263)	No. Used - No. Stages	1-1	1 - 1	1 - 1	1 - 1		
Start Components (**)	Volts/Ph/Hz	208/230/1/60	208/230/1/60	208/230/1/60	208/230/1/60		
No (Uses BAYKSKT263) No (No (No (No (No (No (No (No (No (No	R.L. Amps (d) – L.R. Amps	7.8 - 47.5	9.1 – 59.0	10.4 - 71.0	14.1 - 83.2 / 13.5 - 75.0		
Insulation/Sound Blanket NO	Factory Installed			1			
Compressor Heat NO NO NO NO Outdoor Fan PROPELLER PROPELLER PROPELLER PROPELLER PROPELLER Dia. (in.) - No. Used 23 - 1 23 - 1 23 - 1 27.5 - 1 Type Drive - No. Speeds DIRECT - 1 DIRECT - 1 DIRECT - 1 DIRECT - 1 CFM @ 0.0 IN. W.G. (°) 2980 2980 2820 4230 No. Motors - HP 1 - 1/8 1 - 1/8 1 - 1/8 1 - 1/8 Motor Speed R.P.M. 850 850 850 850 Volts/Ph/Hz 208/230/1/60 208/230/1/60 208/230/1/60 200/230/1/60 200/230/1/60 Outdoor Coil - Type SPINE FIN™ SPINE	Start Components (e)	NO (Uses BAYKSKT263)	NO (Uses BAYKSKT263)	NO (Uses BAYKSKT263)	NO (Uses BAYKSKT263)		
Outdoor Fan PROPELLER PROPELLER PROPELLER PROPELLER Dia. (in.) - No. Used 23 - 1 23 - 1 23 - 1 27.5 - 1 Type Drive - No. Speeds DIRECT - 1 DIRECT - 1 DIRECT - 1 DIRECT - 1 CFM @ No. IN. W.G. (i) 2980 2980 2820 4230 No. Motors - HP 1 - 1/8 1 - 1/8 1 - 1/8 1 - 1/8 Motor Sped R.P.M. 850 850 850 850 Volts/Ph/Hz 208/230/1/60 208/230/1/60 208/230/1/60 200/230/1/60	Insulation/Sound Blanket	NO	NO	NO	NO		
Dia. (in.) - No. Used 23 - 1 23 - 1 23 - 1 27.5 - 1 Type Drive - No. Speeds DIRECT - 1 DIRECT - 1 DIRECT - 1 DIRECT - 1 CFM @ 0.0 IN. W.G. (f) 2980 2980 2820 4230 No. Motor Speed R.P.M. 850 850 850 850 Voits/Ph/Hz 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 200/230/1/60 FL. Amps 0.64 0.77 0.77 0.64 0.77 0.77 0.64 Outdoor Coil - Type SPINE FIN™	Compressor Heat	NO	NO	NO	NO		
Type Drive - No. Speeds DIRECT - 1 DIRECT - 1 DIRECT - 1 DIRECT - 1 CFM @ 0.0 IN. W.G. (f) 2980 2980 2820 4230 No. Motors - HP 1 - 1/8 1 - 1/8 1 - 1/8 1 - 1/8 Motor Speed R.P.M. 850 850 850 850 Volts/Ph/Hz 208/230/1/60 208/230/1/60 208/230/1/60 200/230/1/60 200/230/1/60 FL. Amps 0.64 0.77 0.77 0.64 0.77 0.77 0.64 Outdoor Coil - Type SPINE FIN™ SPINE FIN™ <t< td=""><td>Outdoor Fan</td><td>PROPELLER</td><td>PROPELLER</td><td>PROPELLER</td><td>PROPELLER</td></t<>	Outdoor Fan	PROPELLER	PROPELLER	PROPELLER	PROPELLER		
CFM @ 0.0 IN. W.G. (f) 2980 2980 2820 4230 No. Motors – HP 1 − 1/8 1 − 1/8 1 − 1/8 1 − 1/8 1 − 1/8 Motor Speed R.P.M. 850 850 850 850 850 Volts/Ph/Hz 208/230/1/60 208/230/1/60 208/230/1/60 200/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 200/230/1/60 200/230/1/60 200/230/1/60 200/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1	Dia. (in.) - No. Used	23 - 1	23 - 1	23 - 1	27.5 – 1		
No. Motors – HP	Type Drive - No. Speeds	DIRECT - 1	DIRECT - 1	DIRECT - 1	DIRECT - 1		
Motor Speed R.P.M. 850 850 850 850 Volts/Ph/Hz 208/230/1/60 208/230/1/60 208/230/1/60 208/230/1/60 200/230/1/60 F.L. Amps 0.64 0.77 0.77 0.64 Outdoor Coil - Type SPINE FIN™ SPINE FIN™ SPINE FIN™ SPINE FIN™ Rows - F.P.I. 1 - 24 1 - 24 1 - 24 1 - 24 Face Area (Sq. Ft.) 18.75 18.75 16.3 24 Tube Size (In.) 3/8 3/8 3/8 3/8 Refrigerant Control EXPANSION VALVE	CFM @ 0.0 IN. W.G. ^(f)	2980	2980	2820	4230		
Volts/Ph/Hz 208/230/1/60 208/230/1/60 208/230/1/60 200/230/1/60 F.L. Amps 0.64 0.77 0.77 0.64 Outdoor Coil - Type SPINE FIN™ SPI	No. Motors – HP	1 - 1/8	1 - 1/8	1 - 1/8	1 - 1/8		
F.L. Amps 0.64 0.77 0.77 0.64 Outdoor Coil - Type SPINE FIN™ APINE APIC APIC <td>Motor Speed R.P.M.</td> <td>850</td> <td>850</td> <td>850</td> <td>850</td>	Motor Speed R.P.M.	850	850	850	850		
Outdoor Coil - Type SPINE FIN™ ALB 1 - 24 </td <td>Volts/Ph/Hz</td> <td>208/230/1/60</td> <td>208/230/1/60</td> <td>208/230/1/60</td> <td>200/230/1/60</td>	Volts/Ph/Hz	208/230/1/60	208/230/1/60	208/230/1/60	200/230/1/60		
Rows - F.P.I.	F.L. Amps	0.64	0.77	0.77	0.64		
Face Area (Sq. Ft.) 18.75 18.75 18.75 16.3 24 Tube Size (In.) 8 3/8 8 3/8 3/8 3/8 3/8 3/8 3/8	Outdoor Coil - Type	SPINE FIN™	SPINE FIN™	SPINE FIN™	SPINE FIN™		
Tube Size (In.) 3/8 3/8 3/8 3/8 3/8 3/8 Refrigerant Control EXPANSION VALVE EXPANSION VALVE EXPANSION VALVE EXPANSION VALVE EXPANSION VALVE Refrigerant LBS R-454B (O.D. Unit) (a) 4 LBS., 12 OZ 4 LBS., 10 OZ 4 LBS., 10 OZ 5 LBS., 10 OZ Factory Supplied YES YES YES YES YES Line Size - (in.) O.D. Gas (h) (i) 3/4 3/4 3/4 3/4 3/4 Line Size - (in.) O.D. Liq. 5/16 5/16 5/16 5/16 Charging Specifications Subcooling 9°F 12°F 12°F 10°F Dimensions H × W × D H × W × D H × W × D H × W × D Crated (in.) 38.1 × 30 × 33 38.1 × 30 × 33 38.1 × 30 × 33 38.5 × 35 × 37.9 Weight Shipping (lbs.) 208 208 191 256 Net (lbs.) 174 174 163 222 Optional Accessories: Anti-short Cycle Timer TAYASCT501A TAYASCT501A TAYASCT501A	Rows - F.P.I.	1 - 24	1 – 24	1 – 24	1 – 24		
Refrigerant Control EXPANSION VALVE EXPANSION VALVE EXPANSION VALVE EXPANSION VALVE Refrigerant UBS R-454B (O.D. Unit) (a) 4 LBS., 12 OZ 4 LBS., 10 OZ 5 LBS., 10 OZ </td <td>Face Area (Sq. Ft.)</td> <td>18.75</td> <td>18.75</td> <td>16.3</td> <td>24</td>	Face Area (Sq. Ft.)	18.75	18.75	16.3	24		
Refrigerant LBS R-454B (O.D. Unit) (a) 4 LBS., 12 OZ 4 LBS., 10 OZ 5 LBS., 10 OZ Factory Supplied YES YES YES YES Line Size - (in.) O.D. Gas (h) (i) 3/4 3/4 3/4 3/4 Line Size - (in.) O.D. Liq. 5/16 5/16 5/16 5/16 Charging Specifications Subcooling 9°F 12°F 12°F 10°F Dimensions H × W × D H × W × D H × W × D H × W × D Crated (in.) 38.1 × 30 × 33 38.1 × 30 × 33 38.1 × 30 × 33 38.5 × 37.9 Weight Shipping (lbs.) 208 208 191 256 Net (lbs.) 174 174 163 222 Optional Accessories: Anti-short Cycle Timer TAYASCT501A TAYASCT501A TAYASCT501A TAYASCT501A	Tube Size (In.)	3/8	3/8	3/8	3/8		
LBS R-454B (O.D. Unit) (9)	Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE	EXPANSIONVALVE		
Factory Supplied YES YES YES YES Line Size - (in.) O.D. Gas (h) (i) 3/4 3/4 3/4 3/4 Line Size - (in.) O.D. Liq. 5/16 5/16 5/16 5/16 Charging Specifications Subcooling 9°F 12°F 12°F 10°F Dimensions H × W × D H × W × D H × W × D H × W × D H × W × D H × W × D H × W × D H × W × D Solve (lbs.) 208 208 191 256 256 Net (lbs.) Net (lbs.) 174 174 163 222 Optional Accessories: Anti-short Cycle Timer TAYASCT501A TAYASCT501A TAYASCT501A TAYASCT501A TAYASCT501A TAYASCT501A	Refrigerant						
Line Size - (in.) O.D. Gas (h) (i) 3/4 3/4 3/4 3/4 3/4 Line Size - (in.) O.D. Liq. 5/16 5/16 5/16 5/16 Charging Specifications Subcooling 9°F 12°F 12°F 10°F Dimensions H × W × D H × W × D H × W × D H × W × D Crated (in.) 38.1 × 30 × 33 38.1 × 30 × 33 38.1 × 30 × 33 38.5 × 35 × 37.9 Weight Shipping (lbs.) 208 208 191 256 Net (lbs.) 174 174 163 222 Optional Accessories: Anti-short Cycle Timer TAYASCT501A TAYASCT501A TAYASCT501A	LBS. – R-454B (O.D. Unit) ^(g)	4 LBS., 12 OZ	4 LBS., 10 OZ	4 LBS., 10 OZ	5 LBS., 10 OZ		
Line Size - (in.) O.D. Liq. 5/16 5/16 5/16 5/16 Charging Specifications Subcooling 9°F 12°F 12°F 10°F Dimensions H × W × D H × W × D H × W × D Crated (in.) 38.1 × 30 × 33 38.1 × 30 × 33 38.1 × 30 × 33 38.5 × 35 × 37.9 Weight Shipping (lbs.) 208 208 191 256 Net (lbs.) 174 174 163 222 Optional Accessories: Anti-short Cycle Timer TAYASCT501A TAYASCT501A TAYASCT501A TAYASCT501A	Factory Supplied	YES	YES	YES	YES		
Charging Specifications Subcooling 9°F 12°F 12°F 10°F Dimensions H × W × D H × W × D H × W × D H × W × D Crated (in.) 38.1 × 30 × 33 38.1 × 30 × 33 38.5 × 35 × 37.9 Weight Shipping (lbs.) 208 208 191 256 Net (lbs.) 174 174 163 222 Optional Accessories: Anti-short Cycle Timer TAYASCT501A TAYASCT501A TAYASCT501A TAYASCT501A	Line Size – (in.) O.D. Gas (h) (i)	3/4	3/4	3/4	3/4		
Subcooling 9°F 12°F 12°F 10°F Dimensions H × W × D <t< td=""><td>Line Size - (in.) O.D. Liq.</td><td>5/16</td><td>5/16</td><td>5/16</td><td>5/16</td></t<>	Line Size - (in.) O.D. Liq.	5/16	5/16	5/16	5/16		
Dimensions H × W × D <	Charging Specifications						
Crated (in.) 38.1 × 30 × 33 38.1 × 30 × 33 38.1 × 30 × 33 38.5 × 35 × 37.9 Weight Shipping (lbs.) 208 208 191 256 Net (lbs.) 174 174 163 222 Optional Accessories: Anti-short Cycle Timer TAYASCT501A TAYASCT501A TAYASCT501A TAYASCT501A	Subcooling	9°F	12°F	12°F	10°F		
Weight 208 208 191 256 Net (lbs.) 174 174 163 222 Optional Accessories: Anti-short Cycle Timer TAYASCT501A TAYASCT501A TAYASCT501A TAYASCT501A	Dimensions	$H \times W \times D$					
Shipping (lbs.) 208 208 191 256 Net (lbs.) 174 174 163 222 Optional Accessories: Anti-short Cycle Timer TAYASCT501A TAYASCT501A TAYASCT501A TAYASCT501A	Crated (in.)	38.1 × 30 × 33	38.1 × 30 × 33	38.1 × 30 × 33	38.5 × 35 × 37.9		
Net (lbs.) 174 174 163 222 Optional Accessories: Anti-short Cycle Timer TAYASCT501A TAYASCT501A TAYASCT501A TAYASCT501A	Weight						
Optional Accessories: Anti-short Cycle Timer TAYASCT501A TAYASCT501A TAYASCT501A	Shipping (lbs.)	208	208	191	256		
Anti-short Cycle Timer TAYASCT501A TAYASCT501A TAYASCT501A TAYASCT501A	Net (lbs.)	174	174	163	222		
	Optional Accessories:						
Evaporator Defrost Control NA NA NA NA	Anti-short Cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A	TAYASCT501A		
	Evaporator Defrost Control	NA	NA	NA	NA		

Table 2. 5TWR4018 - 5TWR4036 (continued)

Model No. (a) (b)	5TWR4018A1000A	5TWR4024A1000A	5TWR4030A1000A	5TWR4036A1000A/B	
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101	BAYISLT101	
Extreme Condition Mount Kit	BAYECMT023	BAYECMT023	BAYECMT023	BAYECMT023	
Start Kit	_	BAYKSKT263	BAYKSKT263	BAYKSKT263	
Crankcase Heater Kit	BAYCCHT302	BAYCCHT302	BAYCCHT302	BAYCCHT302	
Seacoast Kit	BAYSEAC001	BAYSEAC001	BAYSEAC001	BAYSEAC001	
Low Ambient Kit	BAYLOAM107A	BAYLOAM107A	BAYLOAM107A	BAYLOAM107A	
Service Valve Panel Cover	TAYSVPANL3343AA	TAYSVPANL3343AA	TAAYSVPANL0044AA	TAYSVPANL0044AA	
Refrigerant Lineset (j)			_		

- (a) Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240.
- (b) Rated in accordance with AHRI standard 270.
- (c) Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.
- (d) This value shown for compressor RLA on the unit nameplate and on this specification sheet is used to compute minimum branch circuit ampacity and max. fuse size. The value shown is the branch circuit selection current.
- (e) Use start components only when compressor is found to enter locked rotor condition and will not start or when lights dim at compressor start." No means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter. Optional kit shown.
- (f) Standard Air Dry Coil Outdoor
- (g) This value approximate. For more precise value see unit nameplate.
- (h) Reference the outdoor unit ship-with literature for refrigerant piping length and lift guidelines. Reference the refrigerant piping software pub#32-3312-xx or Refrigerant Piping Manual for Small Split Cooling and Heat Pump Systems Application Guide (SS-APG006-xx) for long line sets or specialty applications (xx denotes latest revision).
- (i) The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. Always verify proper system charge via subcooling (TXV/EEV) or superheat (fixed orifice) per the unit nameplate.
- (i) 25, 30, 35 and 50 foot linesets available. For a complete listing of lineset options available from equipment or supply stores, refer to the Trane Residential and Light Commercial Product Handbook.

Table 3. 5TWR4042 - 5TWR4060

Model No. (a) (b)	5TWR4042A1000A	5TWR4048A1000A	5TWR4060A1000A		
Power Conns. – V/Ph/Hz (c)	208/230/1/60	208/230/1/60	208/230/1/60		
Min. BRCH. CIR. Ampacity	24	25	33		
BR. CIR. PROT. RTG. – Max. (Amps)	40	40	50		
Compressor	CLIMATUFF® - SCROLL	CLIMATUFF® - SCROLL	CLIMATUFF® - SCROLL		
No. Used - No. Stages	1 - 1	1 - 1	1 - 1		
Volts/Ph/Hz	208/230/1/60	208/230/1/60	208/230/1/60		
R.L. Amps (d) – L.R. Amps	16.9 - 104.7	18.1 – 95.0	22.3 – 136.6		
Factory Installed		•			
Start Components (e)	NO (Uses BAYKSKT263)	NO (Uses BAYKSKT263)	NO (Uses BAYKSKT263)		
Insulation/Sound Blanket	NO	NO	NO		
Compressor Heat	NO	NO	NO		
Outdoor Fan	PROPELLER	PROPELLER	PROPELLER		
Dia. (in.) - No. Used	27.5 - 1	27.5 - 1	27.5 - 1		
Type Drive - No. Speeds	DIRECT - 1	DIRECT - 1	DIRECT - 1		
CFM @ 0.0 IN. W.G. (f)	4171	4454	4992		
No. Motors – HP	1 - 1/3	1 - 1/3	1 - 1/3		
Motor Speed R.P.M.	850	850	850		
Volts/Ph/Hz	200/230/1/60	200/230/1/60	200/230/1/60		
F.L. Amps	2.80	2.80	2.80		
Outdoor Coil - Type	SPINE FIN™	SPINE FIN™	SPINE FIN™		
Rows - F.P.I.	2 – 24	2 - 24	2 – 24		
Face Area (Sq. Ft.)	30.8	30.8	30.8		



Product Specifications

Table 3. 5TWR4042 - 5TWR4060 (continued)

Model No. (a) (b)	5TWR4042A1000A	5TWR4048A1000A	5TWR4060A1000A		
Tube Size (In.)	3/8	3/8	3/8		
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE		
Refrigerant					
LBS. – R-454B (O.D. Unit) ^(g)	7 LBS., 14 OZ	8 LBS., 9 OZ	8 LBS., 6 OZ		
Factory Supplied	YES	YES	YES		
Line Size – (in.) O.D. Gas ^{(h) (i)}	7/8	7/8	7/8		
Line Size - (in.) O.D. Liq.	5/16	5/16	5/16		
Charging Specifications					
Subcooling	10°F	10°F	10°F		
Dimensions	$H \times W \times D$	$H \times W \times D$	$H \times W \times D$		
Crated (in.)	50.5 X 35 X 37.9	50.5 X 35 X 37.9	50.5 X 35 X 37.9		
Weight					
Shipping (lbs.)	277	300	301		
Net (lbs.)	227	250	251		
Optional Accessories:					
Anti-short Cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A		
Evaporator Defrost Control	NA	NA	NA		
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101		
Extreme Condition Mount Kit	BAYECMT004	BAYECMT004	BAYECMT004		
Start Kit	BAYKSKT263	BAYKSKT263	BAYKSKT263		
Crankcase Heater Kit	BAYCCHT301	BAYCCHT301	BAYCCHT301		
Seacoast Kit	BAYSEAC001	BAYSEAC001	BAYSEAC001		
Low Ambient Kit	_	_	-		
Service Valve Panel Cover	TAYSVPANL0046AA	TAYSVPANL0046AA	TAYSVPANL0046AA		
Refrigerant Lineset (j)		_			

- (a) Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240.
- (b) Rated in accordance with AHRI standard 270.
- (c) Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.
- (d) This value shown for compressor RLA on the unit nameplate and on this specification sheet is used to compute minimum branch circuit ampacity and max. fuse size. The value shown is the branch circuit selection current.
- (e) Use start components only when compressor is found to enter locked rotor condition and will not start or when lights dim at compressor start." No means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter. Optional kit shown.
- (f) Standard Air Dry Coil Outdoor
- $\ensuremath{^{(g)}}$ This value approximate. For more precise value see unit nameplate.
- (h) Reference the outdoor unit ship-with literature for refrigerant piping length and lift guidelines. Reference the refrigerant piping software pub#32-3312-xx or *Refrigerant Piping Manual for Small Split Cooling and Heat Pump Systems Application Guide* (SS-APG006-xx) for long line sets or specialty applications (xx denotes latest revision).
- (i) The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. Always verify proper system charge via subcooling (TXV/EEV) or superheat (fixed orifice) per the unit nameplate.
- (i) 25, 30, 35 and 50 foot linesets available. For a complete listing of lineset options available from equipment or supply stores, refer to the Trane Residential and Light Commercial Product Handbook.



Sound Power Level

Table 4. Sound power level

MODEL	A-Weighted Sound Power Level [dB(A)]	Full Octave Sound Power(dB)							
		63 Hz*	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
5TWR4018A	71	77	72	68	68	69	60	53	47
5TWR4024A	71	77	72	68	68	69	60	53	47
5TWR4030A	71	77	72	68	68	69	60	53	47
5TWR4036A	70	75	69	68	68	66	62	57	51
5TWR4042A	72	77	75	72	70	67	62	59	52
5TWR4048A	72	77	75	72	70	67	62	59	52
5TWR4060A	72	77	75	72	70	67	62	59	52

Note: Rated in accordance with AHRI Standard 270–2008 *For Reference Only.



Accessory Description and Usage

Anti-Short Cycle Timer — Solid state timing device that prevents compressor recycling until five (5) minutes have elapsed after satisfying call or power interruptions. Use in area with questionable power delivery, commercial applications, long lineset, etc.

Evaporation Defrost Control — SPST Temperature actuated switch that cycles the condenser off as indoor coil reaches freeze-up conditions. Used for low ambient cooling to 30°F with TXV.

Rubber Isolators — Five (5) large rubber donuts to isolate condensing unit from transmitting energy into mounting frame or pad. Use on any application where sound transmission needs to be minimized.

Hard Start Kit — Start capacitor and relay to assist compressor motor start-up. Use in areas with marginal power supply, on long linesets, low ambient conditions, etc.

Extreme Condition Mount Kit — Bracket kits to securely mount condensing unit to a frame or pad without removing any panels. Use in areas with high winds, or on commercial roof tops, etc.

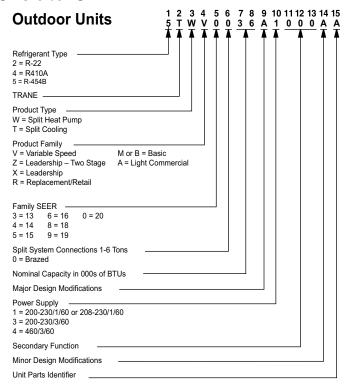
AHRI Standard Capacity Rating Conditions

AHRI Standard 210/240 Rating Conditions

- 1. Cooling 80°F DB, 67°F WB air entering indoor coil, 95°F DB air entering outdoor coil.
- High Temperature Heating 47°F DB, 43°F WB air entering outdoor coil, 70°F DB air entering indoor coil
- 3. Low Temperature Heating 17°F DB air entering indoor coil.
- 4. Rated indoor airflow for heating is the same as for cooling.

AHRI Standard 270 Rating Conditions — (Noise rating numbers are determined with the unit in cooling operations.) Standard Noise Rating number is at 95°F outdoor air.

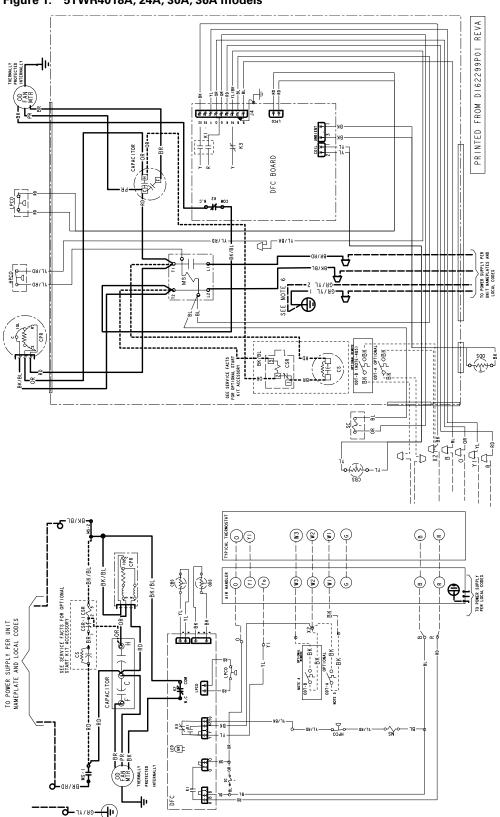
Model Nomenclature





Wiring Diagram

Figure 1. 5TWR4018A, 24A, 30A, 36A models



Wiring Diagram

Figure 2. 5TWR4042A, 48A, 60A models

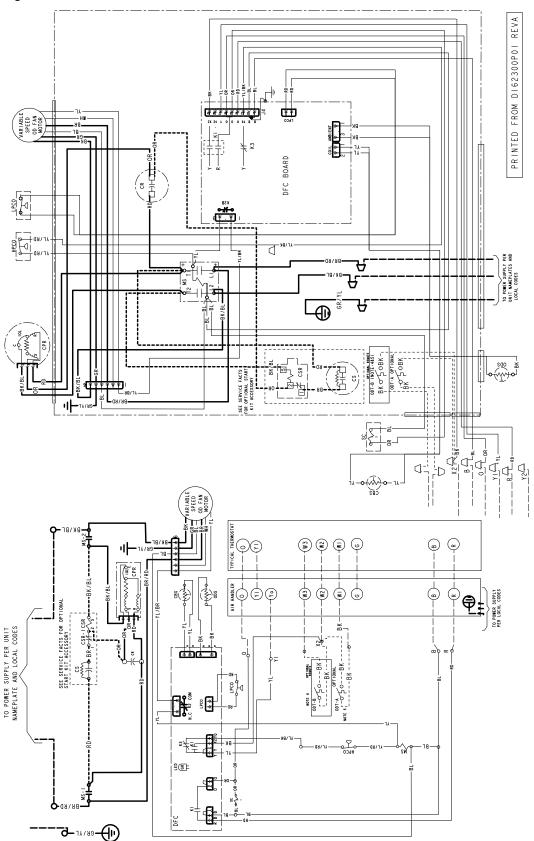
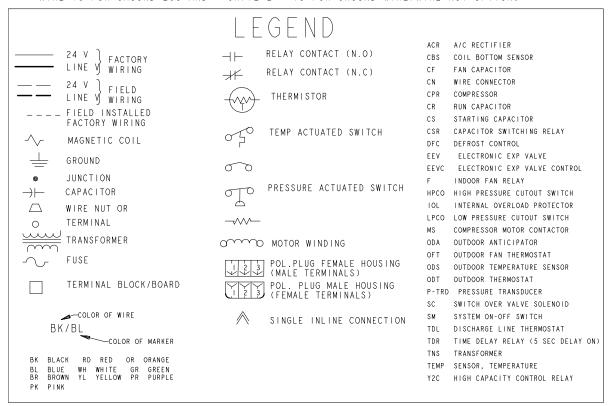


Figure 3. Legend and warnings

NOTES:

- I. BE SURE POWER SUPPLY AGREESWITH EQUIPMENT NAMEPLATE.
- 2. POWER WIRING AND GROUNDING OF EQUIPMENT MUST COMPLY WITH LOCAL CODES
- 3. LOW VOLTAGE WIRING TO BE NO. 18 AWG MINIMUM CONDUCTOR.
- 4. ODT-B MUST BE SET LOWER THAN ODT-A
- 5. IF ODT-A IS NOT USED, ADD JUMPER BETWEEN WI AND W2 AT AIR HANDLER
- 6. THE GROUND CONNECTIONS SHOWN HERE ARE 2 SEPARATE WIRES, DO NOT CRIMP TOGETHER "GR/YL I" WIRE IS FOR GROUND LUG AND " GR/YL 2" IS FOR GROUND WIRE/WIRE NUT OPTION.



∆CAUTION

USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED
TO ACCEPT OTHER TYPES OF CONDUCTORS.
Failure to do so may cause damage
to the equipment.

⚠WARNING

HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRICAL POWER
INCLUDING REMOTE DISCONNECTS
BEFORE SERVICING.
Failure to disconnect power
before servicing can cause severe
personal injury or death.

FOR CANADIAN INSTALLATIONS POUR INSTALLATIONS CANADIENNES

CAUTION: NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150V-TO-GROUND ATTENTION:NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150 V A LA TERRE

DEFROST FAULT CODES

LED FAULT CODES	FAULT DESCRIPTION
1 flash	Ambient Temp Sensor is out of range (open/shorted)
2 flash	Coil Temp Sensor is out of range (open/shorted)
3 flash	Low Pressure Switch is open
4 flash	Hard Lock Out (can only be cleared with power cycle)
5 flash	Soft Lock Out
6 flash	Defrost cycles too close together
7 flash	In Timed Defrost mode. Check Ambient sensor placement
	and verify SOV is operating properly.
8 flash	In Timed Defrost mode. Check Coil sensor placement and
o nasn	verify SOV is operating properly.
0.5	Low Ambient Soft Lockout. Outdoor temperature dropped
9 flash	below 3F. (OFF at -7F/ON at 3F)

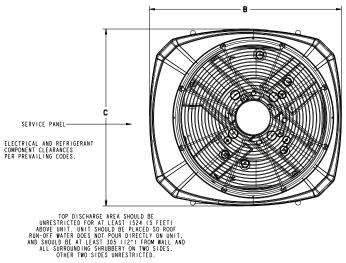
See Service Facts for more information on Fault Codes

R-454	R-454B REFRIGERANT CHARGING CHART									
LIQUID	DESIGN SUBCOOLING (°F)									
TEMP	8	9	10	11	12	13	14			
(∘F)	LIQ	UID (GAGI	E PRI	ESSL	JRE (PSI)			
55	170	172	175	178	181	184	187			
60	184	187	190	194	197	200	203			
65	200	203	206	210	213	217	220			
70	217	220	223	227	230	234	238			
75	234	238	241	245	249	252	256			
80	252	256	260	264	268	272	276			
85	272	276	280	284	288	292	297			
90	292	297	301	305	309	314	318			
95	314	318	323	327	332	336	341			
100	336	341	346	351	355	360	365			
105	360	365	370	375	380	385	390			
110	385	390	396	401	406	412	417			
115	412	417	422	428	433	439	445			
120	439	445	450	456	462	468	474			
125	468	474	480	486	492	498	504			



Dimensional Data

Figure 4. Dimensional data



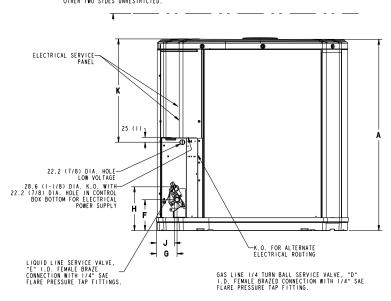


Table 5. Unit dimensions

Model	Base	Α	В	С	D	Е	F	G	Н	J	K
5TWR4018A	3	832 (32-3/4)	829 (32-5/8)	756 (29-3/4)	3/4	5/16	127 (5)	76 (3)	197 (7-3/4)	60 (2-3/8)	508 (20)
5TWR4024A	3	832 (32-3/4)	829 (32-5/8)	756 (29-3/4)	3/4	5/16	127 (5)	76 (3)	197 (7-3/4)	60 (2-3/8)	508 (20)
5TWR4030A	3	832 (32-3/4)	829 (32-5/8)	756 (29-3/4)	3/4	5/16	127 (5)	76 (3)	197 (7-3/4)	60 (2-3/8)	508 (20)
5TWR4036A	4	841 (33-1/8)	946 (37-1/4)	870 (34-1/4)	3/4	5/16	143 (5-5/8)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	508 (20)
5TWR4042A	4	1147 (45-1/8)	946 (37-1/4)	870 (34-1/4)	7/8	5/16	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	813 (32)
5TWR4048A	4	1147 (45-1/8)	946 (37-1/4)	870 (34-1/4)	7/8	5/16	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	813 (32)
5TWR4060A	4	1147 (45-1/8)	946 (37-1/4)	870 (34-1/4)	7/8	5/16	152 (6)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	813 (32)



Mechanical Specification Options

General

The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with a wide selection of air handlers and furnace coils that are AHRI certified. The unit is certified to UL 60335-2-40. Exterior is designed for outdoor application.

Casing

Unit casing is constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint finish. The corner panels are prepainted. All panels are subjected to our 1,000 hour salt spray test.

Refrigerant Controls

Refrigeration system controls include condenser fan, compressor contactor and low and high pressure switches. A factory supplied, field installed liquid line drier is standard.

Compressor

The compressor features internal over temperature and pressure protection. Other features include: Centrifugal oil pump and low vibration and noise.

Condenser Coil

The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by louvered panels.

Low Ambient Cooling

As manufactured, this system has a cooling capacity to 55°F. The addition of an evaporator defrost control permits operation to 40°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30°F.

The addition of the BAYLOAM107A low ambient kit permits ambient cooling to 20°F.

Thermostats – Cooling only and heat/cooling (manual and automatic change over). Sub-base to match thermostat and locking thermostat cover.



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