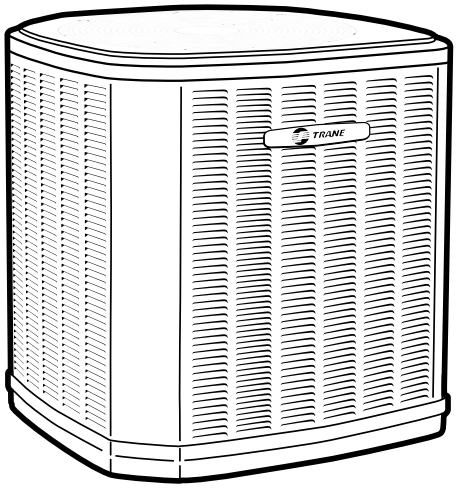
Product and Submittal Data

Split System Cooling

5TTR5018A1000A
5TTR5024A1000A
5TTR5030A1000A/B
5TTR5036A1000A/B
5TTR5042A1000A
5TTR5048A1000A/B
5TTR5060A1000A/B



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

June 2025

ODR-PSD009A-EN

Copyright

Trademark

Data Notes

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

Table 1. Data notes

Literature Number	Title
ODR-PRD020*-EN	Split System Cooling 5TTR5 Product Data
5TTR5018A-SUB-1*	Submittal, 1.5 Ton Split System Cooling 5TTR5018A
5TTR5024A-SUB-1*	Submittal, 2.0 Ton Split System Cooling 5TTR5024A
5TTR5030A-SUB-1*	Submittal, 2.5 Ton Split System Cooling 5TTR5030A
5TTR5036A-SUB-1*	Submittal, 3.0 Ton Split System Cooling 5TTR5036A
TA55-PRQ001*	Submittal, 3.5 Ton Split System Cooling 5TTR5042A
TA56-PRQ001*	Submittal, 4.0 Ton Split System Cooling 5TTR5048A
TA57-PRQ001*	Submittal, Split System Cooling 5.0 Ton 5TTR5060A1000A/B

Table of Contents

Product Specifications

Table 2. 5TTR5018 – 5TTR5036

Model No. [a] [b]	**5TTR5018A1000A**	**5TTR5024A1000A**	**5TTR5030A1000A/B**	**5TTR5036A1000A/B**
Power Conns. – V/Ph/Hz [c]	208/230/1/60	208/230/1/60	208/230/1/60	208/230/1/60
Min. BRCH. CIR. Ampacity	9	14	15/17	18
BR. CIR. PROT. RTG. – Max. (Amps)	20	25	25	30
Compressor	CLIMATUFF®- SCROLL	CLIMATUFF®- SCROLL	CLIMATUFF®- SCROLL	CLIMATUFF®- SCROLL
No. Used - No. Stages	1 – 1	1 – 1	1 – 1	1 – 1
Volts/Ph/Hz	208/230/1/60	208/230/1/60	208/230/1/60	208/230/1/60
R.L. Amps [d] – L.R. Amps	6.9 – 45.1	10.3–60.1	12.5–67.1/12.7–76.1	13.5–75.1/13.5–83.1
Factory Installed				
Start Components [e]	NO	NO	NO	NO
Insulation/Sound Blanket	NO	NO	NO	NO
Compressor Heat	NO	NO	NO	NO
Outdoor Fan	PROPELLER	PROPELLER	PROPELLER	PROPELLER
Dia. (in.) - No. Used	23.02 – 1	23 – 1	23 – 1	23 – 1
Type Drive - No. Speeds	DIRECT – 1	DIRECT – 1	DIRECT – 1	DIRECT – 1
CFM @ 0.0 IN. W.G. [f]	2992	3068	3243	3124
No. Motors – HP	1 – 1/8	1 – 1/8	1 – 1/8	1 – 1/8
Motor Speed R.P.M.	825	825	825	825
Volts/Ph/Hz	208/230/1/60	208/230/1/60	208/230/1/60	208/230/1/60
F.L. Amps	0.77	0.77	0.77	0.77
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.)	21.25	18.75	21.25	18.75
Tube Size (In.)	3/8	3/8	3/8	3/8
Refrigerant				
LBS. – R-454B (O.D. Unit) [g]	3 LBS., 12 OZ	3 LBS., 10 OZ	3 LBS., 8 OZ	3 LBS., 8 OZ
Factory Supplied	YES	YES	YES	YES
Valve Connection Size - (in.) O.D. Gas	3/4	3/4	3/4	3/4
Valve Connection Size - (in.) O.D. Liq.	5/16	5/16	5/16	5/16
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	10°F	10°F	10°F	10°F
Dimensions	H × W × D	H × W × D	H × W × D	H × W × D
Crated (in.)	42 × 30 × 33	38 × 30 × 33	42 × 30 × 33	38 × 30 × 33
Weight				
Shipping (lbs.)	220	183	220	183
Net (lbs.)	184	156	184	156
Optional Accessories:				
Anti-short Cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A	TAYASCT501A

Table 2. 5TTR5018 – 5TTR5036 (continued)

Model No. [a] [b]	5TTR5018A1000A	5TTR5024A1000A	5TTR5030A1000A/B	5TTR5036A1000A/B
Evaporator Defrost Control	AY28X079	AY28X079	AY28X079	AY28X079
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101	BAYISLT101
Extreme Condition Mount Kit	BAYECMT023	BAYECMT023	BAYECMT023	BAYECMT023
Start Kit	BAYKSKT263	BAYKSKT263	BAYKSKT263	BAYKSKT263
Crankcase Heater Kit	BAYCCHT302	BAYCCHT302	BAYCCHT302	BAYCCHT302
Seacoast Kit	BAYSEAC001	BAYSEAC001	BAYSEAC001	BAYSEAC001
Low Ambient Kit	BAYLOAM103	BAYLOAM103	BAYLOAM103	BAYLOAM103
Service Valve Panel Cover	TAYSVPANL0032AA	TAYSVPANL0032AA	TAYSVPANL0044AA	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*-EN) 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.
[j] 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. 5TTR5042 – 5TTR5060

Model No. [a] [b]	5TTR5042A1000A	5TTR5048A1000A/B	5TTR5060A1000A/B
Power Conns. – V/Ph/Hz [c]	208/230/1/60	208/230/1/60	208/230/1/60
Min. BRCH. CIR. Ampacity	19/23	23/25	28/30
BR. CIR. PROT. RTG. – Max. (Amps)	30/40	35/45	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	14.7-109.1 / 17.9-95.9	17.3–126.0 / 19.6–118.0	21.8–143.1 / 23.4–134.1
Factory Installed			
Start Components [e]	NO	NO	NO
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]	4841	5165	5180
No. Motors - HP	1 – 1/5	1 – 1/5	1 – 1/3
Motor Speed R.P.M.	850	850	850
Volts/Ph/Hz	208/230/1/60	208/230/1/60	208/230/1/60
F.L. Amps	1.05	1.05	2.8
Outdoor Coil - Type	SPINE FIN™	SPINE FIN™	SPINE FIN™
Rows - F.P.I.	1 – 24	1 – 24	1 – 24

Table 3. 5TTR5042 – 5TTR5060 (continued)

Model No. [a] [b]	5TTR5042A1000A	5TTR5048A1000A/B	5TTR5060A1000A/B
Face Area (Sq. Ft.)	24.93	30.8	30.8
Tube Size (In.)	3/8	3/8	3/8
Refrigerant			
LBS. – R-454B (O.D. Unit) [g]	5 LBS., 1 OZ	6 LBS., 10 OZ	5 LBS., 15 OZ
FACTORY SUPPLIED	YES	YES	YES
Valve Connection Size - (in.) O.D. Gas	7/8	7/8	7/8
Valve Connection Size - (in.) O.D. Liq.	5/16	5/16	5/16
Line Size – (in.) O.D. Gas [h] [i]	7/8	7/8	1-1/8
Line Size - (in.) O.D. Liq.	5/16	5/16	5/16
Charging Specifications			
Subcooling	10°F	10°F	10°F
Dimensions	H × W × D	H × W × D	H × W × D
Crated (in.)	42.5 × 35 × 38	50.5 × 35 × 38	50.5 × 35 × 38
Weight			
Shipping (lbs.)	246	307	302
Net (lbs.)	212	257	252
Optional Accessories:			
Anti-short Cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A
Evaporator Defrost Control	AY28X079	AY28X079	AY28X079
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	BAYLOAM103	BAYLOAM103	—
Service Valve Panel Cover	TAYSVPANL0044AA	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
[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*-EN) 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.
[j] 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
5TTR5018A	73	79	69	67	70	70	64	59	53
5TTR5024A	71	78	72	69	68	66	61	58	53
5TTR5030A	73	79	69	67	70	70	64	59	53
5TTR5036A	71	78	72	69	68	66	61	58	53
5TTR5042A	71	78	72	69	68	66	61	58	53
5TTR5048A	71	81	75	71	70	68	63	58	53
5TTR5060A	71	81	75	71	70	68	63	58	53

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.

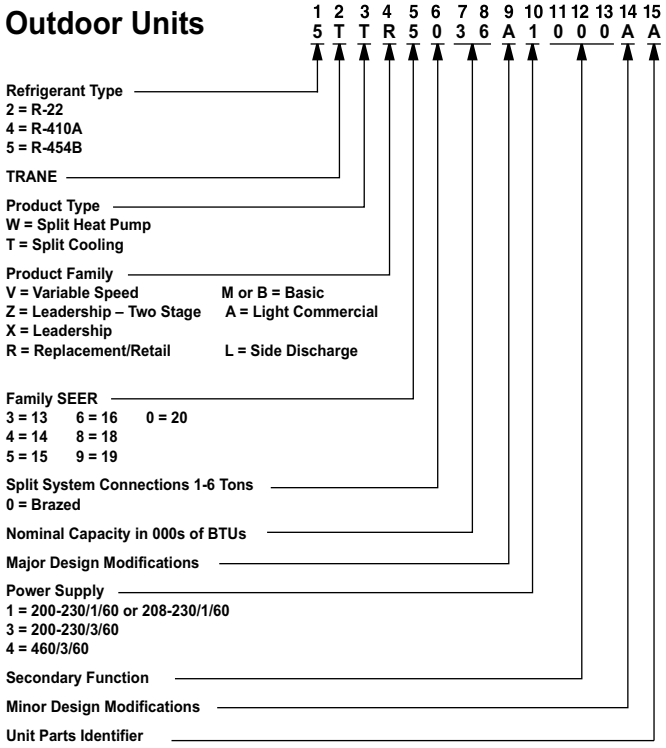
AHRI Standard Capacity Rating Conditions

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.
2. 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 Diagrams

Figure 1. 018A – 048A models

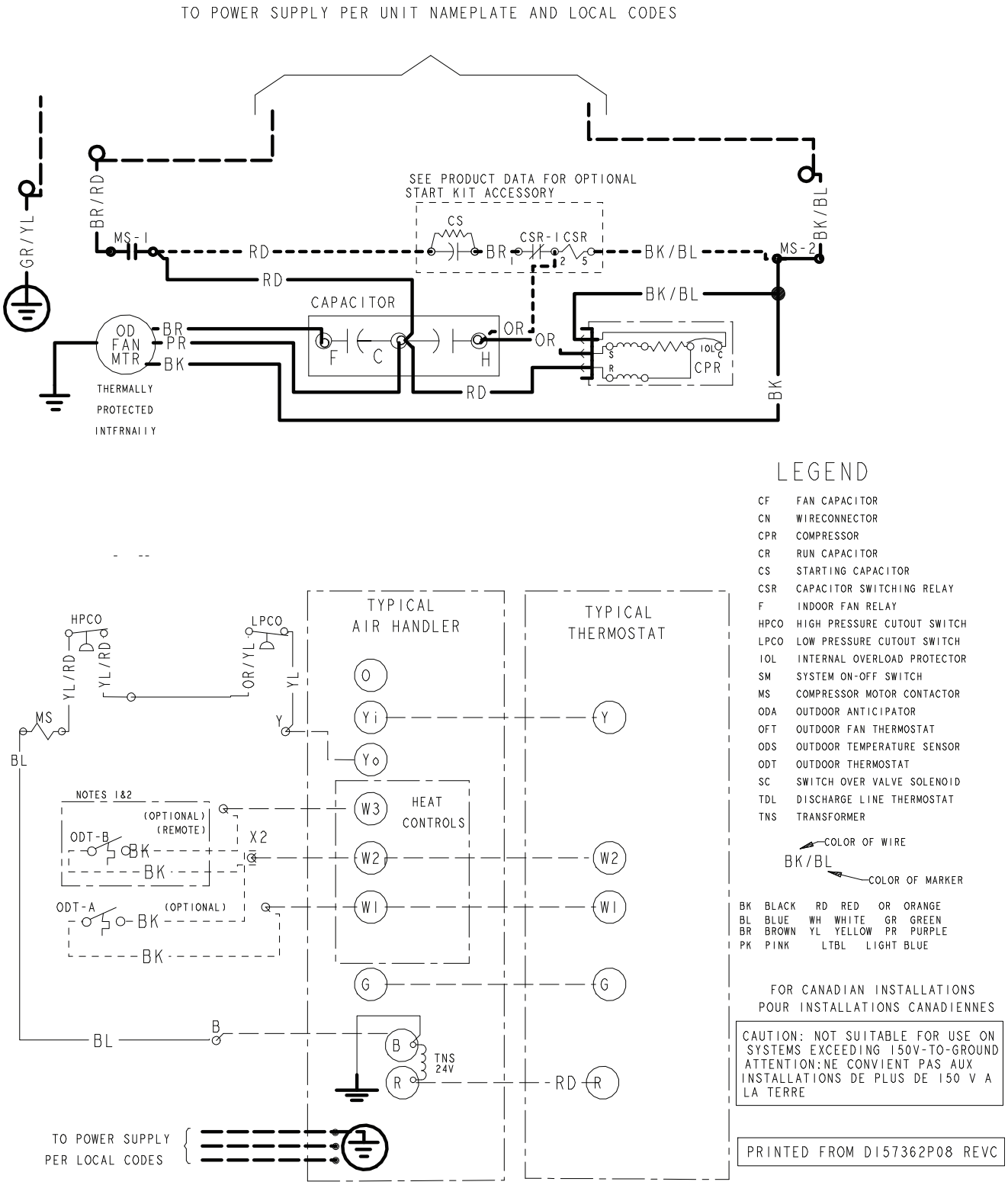


Figure 2. 018A – 048A models

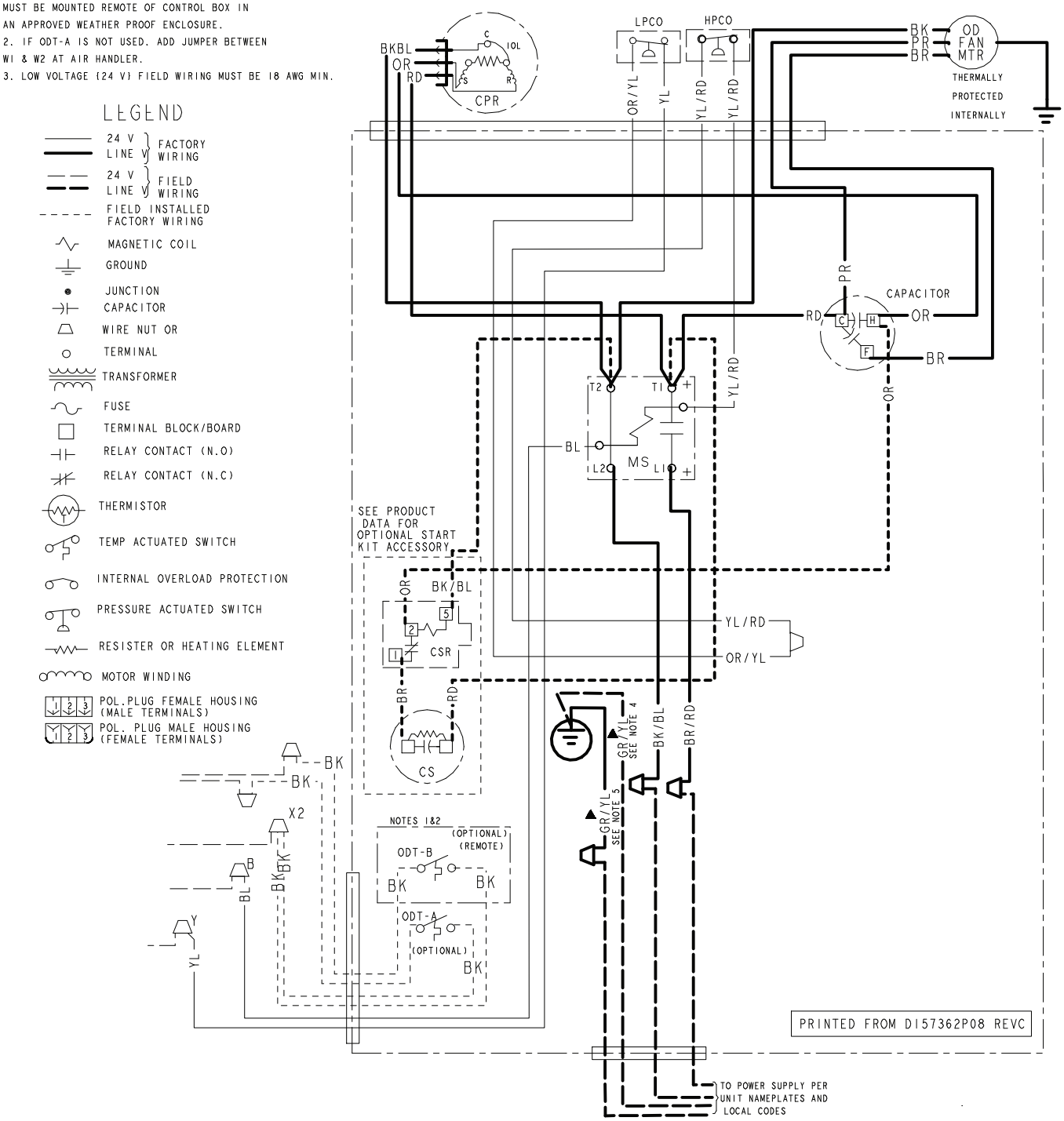
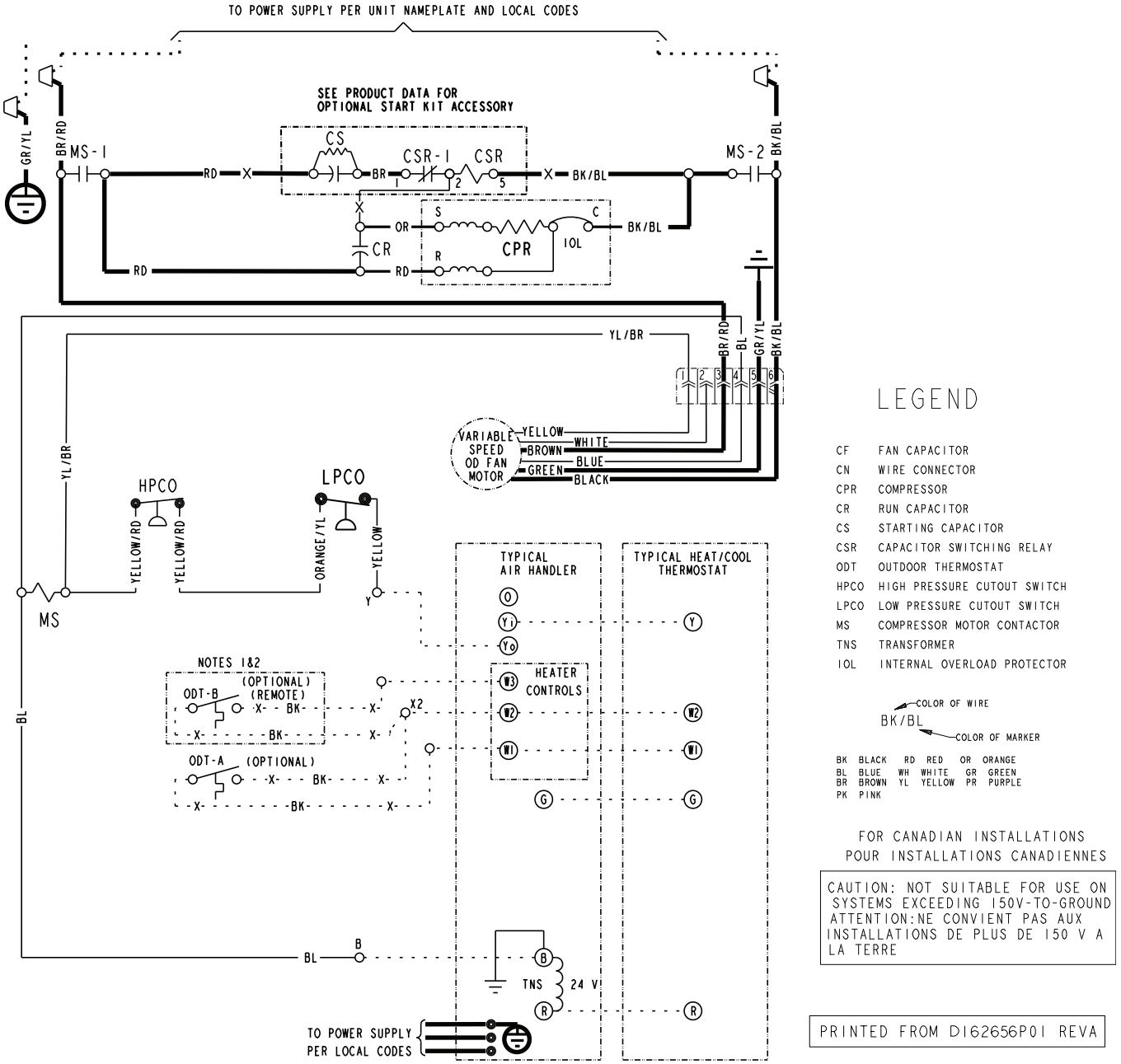


Figure 3. 060A models



LEGEND

CF	FAN CAPACITOR
CN	WIRE CONNECTOR
CPR	COMPRESSOR
CR	RUN CAPACITOR
CS	STARTING CAPACITOR
CSR	CAPACITOR SWITCHING RELAY
ODT	OUTDOOR THERMOSTAT
HPCO	HIGH PRESSURE CUTOUT SWITCH
LPCO	LOW PRESSURE CUTOUT SWITCH
MS	COMPRESSOR MOTOR CONTACTOR
TNS	TRANSFORMER
IOL	INTERNAL OVERLOAD PROTECTOR

COLOR OF WIRE
BK/BL
COLOR OF MARKER

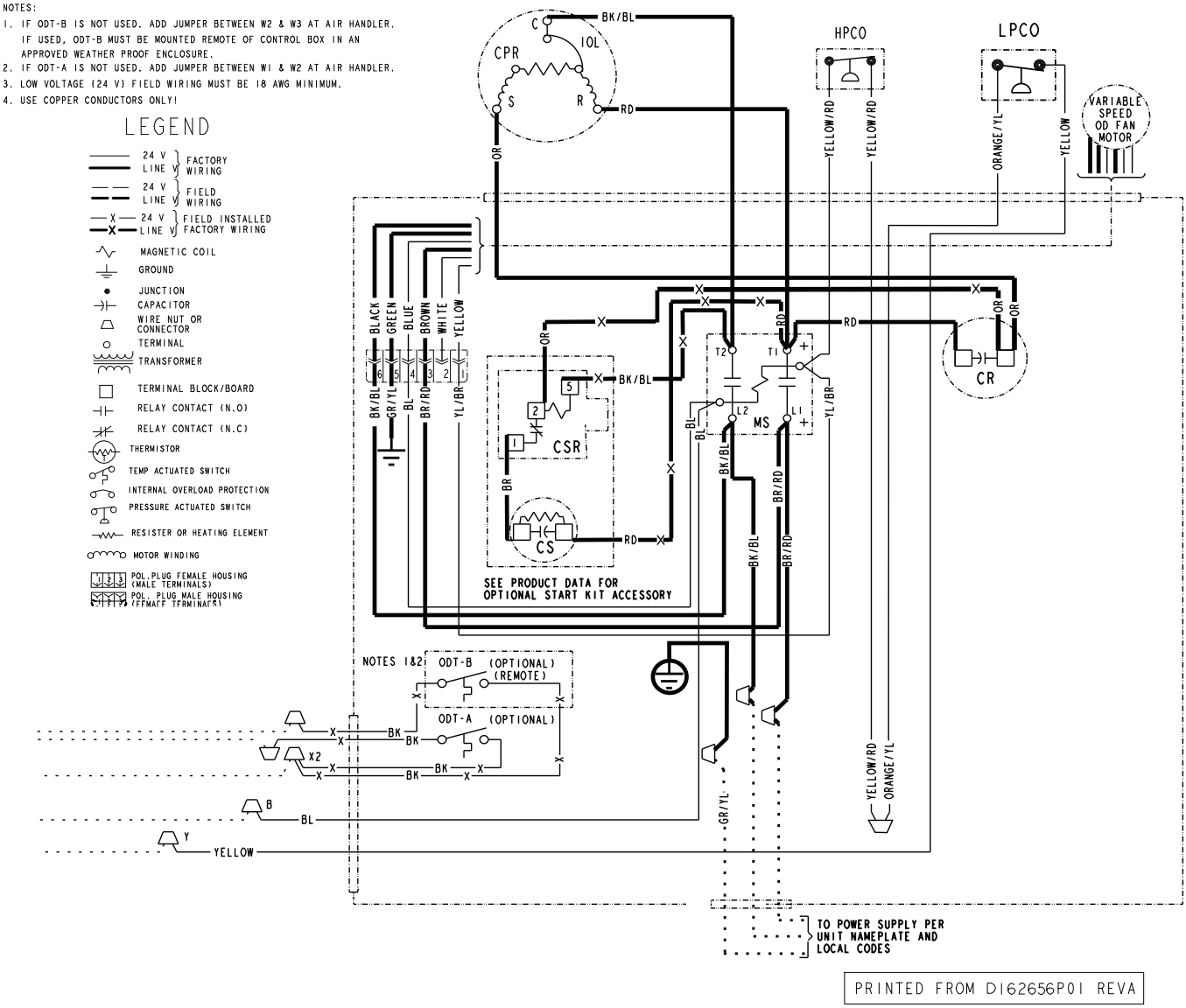
BK	BLACK	RD	RED	OR	ORANGE
BL	BLUE	WH	WHITE	GR	GREEN
BR	BROWN	YL	YELLOW	PR	PURPLE
PK	PINK				

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

PRINTED FROM D162656P01 REVA

Figure 4. 060A models



Dimensional Data

Figure 5. Dimensional data

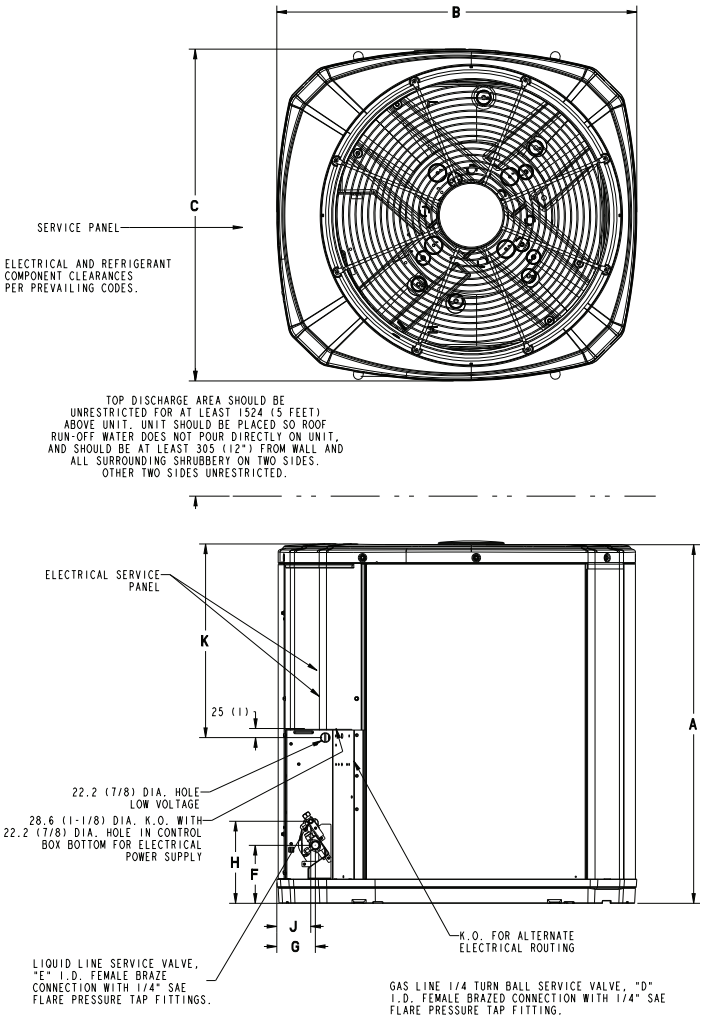


Table 5. Unit dimensions

Model	Base	A	B	C	D	E	F	G	H	J	K
5TTR5018A	3	933 (36-3/4)	829 (32-5/8)	756 (29-3/4)	3/4	5/16	143 (5-5/8)	92 (3-5/8)	210 (8-1/4)	79 (3-1/8)	508 (20)
5TTR5024A	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)
5TTR5030A	3	933 (36-3/4)	829 (32-5/8)	756 (29-3/4)	3/4	5/16	143 (5-5/8)	92 (3-5/8)	210 (8-1/4)	79 (3-1/8)	508 (20)
5TTR5036A	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)
5TTR5042A	4	943 (37-1/8)	946 (37-1/4)	870 (34-1/4)	7/8	5/16	143 (5-5/8)	98 (3-7/8)	219 (8-5/8)	86 (3-3/8)	508 (20)
5TTR5048A	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)
5TTR5060A	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.

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

Trane - by Trane Technologies (NYSE: TT), a global innovator - creates comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit trane. com or tranetechnologies.com.

The AHRI Certified mark indicates Trane U.S. Inc. participation in the AHRI Certification program. For verification of individual certified products, go to ahridirectory. org.

Trane has a policy of continuous data improvement and it reserves the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.

ODR-PSD009A-EN 10 Jun 2025
Supersedes (New)