TRANE®

It's Hard To Stop A Trane.®

Contents - Residential

Model Nomenclature TOC-5

Connected Home Solutions
- Trane® Link System Controller and Smart Thermostat CHS-1
- Conventional 24 Volt Smart Thermostat CHS-2
- ComfortLink™ II Communicating Smart Thermostat CHS-3
- Trane Home™ Compatible Products CHS-4

Split System Cooling
- TruComfort™ Variable Speed Single Phase, 2-5 Tons (4TTV0, 4TTV8) SC-1
- Single Phase, 1½-5 Tons (4TTX7, 4TTX5) SC-3
- Single Phase, 1½-5 Tons (4TTR6, 4TTR5, 4TTL5) SC-5
- Single Phase, 1½-5 Tons (4TTR4, 4TTR3) SC-7
- Three Phase (4TTA7, 4TTA4, 4TTA3) SC-9

Split System Heat Pumps
- TruComfort™ Variable Speed Single Phase, 2-5 Tons (4TWV0, 4TWL9, 4TWV8) .. SH-1
- Single Phase, 1½-5 Tons (4TWX7, 4TWX5) SH-3
- Single Phase, 1½-5 Tons (4TWR6, 4TWR5, 4TWL5) SH-5
- Single Phase, 1½-5 Tons (4TWR4) SH-7
- Three Phase (4TWA7, 4TWA4) SH-9

Air Handlers/Heaters
- Features and Benefits AH-1
- Hyperion, TAMX, TAM9 Variable Speed Multi-Position, 2-5 Tons (TAMX, TAM9) AH-2
- Multi-position Chart AH-5
- Hyperion, GAM5 Multi-Position, Single Phase, 1½-5 Tons (GAM5) AH-6
- Heaters for Hyperion Multi-Position AH-8
- TEM Split System, Single Phase, 1½-5 Tons (TEM8, TEM6, TEM4) AH-10
- Heaters for TEM AH-12
- TMM Wall, Stud, or Over the Water Heater Mount Air Handlers Single Phase, 1½-3 Tons (TMM5, TMM4) AH-14
- P-Series Modular Blower - Variable Speed (CALIFORNIA ONLY) AH-16

Coils
- Split System Aluminum Cased Heat Pump and Cooling (4TXC-DS, 4PXC-U, 4PXC-D) COIL-1
- Split System Aluminum Uncased Heat Pump and Cooling (4AXA, 4PXA-U) COIL-2
- Split System Aluminum Cased Heat Pump and Cooling (4PXF) COIL-3
- Split System Aluminum Cased Heat Pump and Cooling (4MXC) COIL-4

Furnaces
- S9V2-VS, S9V2 Two Stage Variable Speed ECM FUR-1
- S9X2 Two Stage High Efficiency ECM FUR-2
- S9V2-VS, S9V2, S9X2 Features & Accessories FUR-3
- S9X1, S9B1 Single Stage High Efficiency ECM FUR-4
- S9X1, S9B1 Features & Accessories FUR-5
- XC95m Airflow Directions FUR-6
- XC95m Modulating Communicating Variable Speed (TUHM, TDHM) FUR-7
- XC95m Features & Accessories FUR-8
- Special Use Furnace Accessories FUR-9
- S8V2-C Two Stage Communicating ECM Variable Speed FUR-10
- S8X2 Two Stage ECM FUR-10
- S8X1, S8B1 Single Stage ECM FUR-11
- S8V2-C, S8X2, S8X1, S8B1 Features & Accessories FUR-12
- XC80, XV80 Airflow Directions FUR-14
- XC80 Communicating Convertible (TUD2-ACV, TDD2-ACV) FUR-15
- XV80 Two Stage Variable Speed (TUD2, TDD2) FUR-15
- XC80, XV80 Features & Accessories FUR-16
- High Efficiency Oil Furnaces Ordering Information FUR-18
- L8V1 Single Stage, Variable Speed, Ultra-Low NOx Gas Furnace (CALIFORNIA ONLY) FUR-19
- L8X1 Single Stage, Ultra-Low NOx Gas Furnace (CALIFORNIA ONLY) FUR-19
- L9X1 Single Stage, Ultra-Low NOx Gas Furnace (CALIFORNIA ONLY) FUR-20

This publication is for general reference information only and is not intended for systems equipment / combination selections.

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

Products listed in this book are not always carried in factory/distributor inventory, nor are all products available through all distribution channels. Consult your Distributor for availability and shipping information.

Since Trane has a policy of continuous product improvement, it reserves the right to change design and specification without notice.

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Effective 1/1/23
22-8301-36

TRANE®

It's Hard To Stop A Trane.®

Contents - Residential

Indoor Air Quality
- Trane CleanEffects™ Whole House Air Cleaner (EFD) IAQ-1
- Perfect Fit™ Filter Accessories and SlimFit Filters IAQ-2
- QuikBox™ Media Cabinet and Filters IAQ-3
- Humidifiers Steam IAQ-4
- Humidifiers Fan Powered and Bypass IAQ-5
- Whole Home Dehumidifiers with optional Ventilation IAQ-6
- Inline Ventilators (QF130V) IAQ-7
- Energy Recovery Ventilator (ERV) IAQ-8

Smart Thermostats/Zone Sensors
- Conventional 24 Volt Smart Thermostat CCZO-1
- Trane® Link System Controller and Smart Thermostat CCZO-3
- ComfortLink™ II Communicating Smart Thermostat CCZO-4
- Zoning Communicating Sensor with Display CCZO-6
- Trane® Pivot™ Commercial Thermostats CCZO-7
- Conventional 24 Volt HVAC System Interface Relay Panel for ComfortLink™ Controls CCZO-8
- Trane® Link System Component Overview CCZO-9
- ComfortLink™ II XL1050 Control Component Overview CCZO-10
- ComfortLink™ II Zoning Assembly & Zone Expander Panel CCZO-11
- ComfortLink™ II Zoning Component Overview CCZO-12
- 24 Volt Modulating Dampers CCZO-14
- Programmable Touchscreen Thermostats CCZO-19
- Programmable Thermostats CCZO-20
- Non-Programmable Comfort Controls CCZO-21
- Remote Sensors CCZO-23
- Outdoor Thermostat Kit CCZO-24

Packaged Units
- Cooling Convertible, 2-5 Tons (4TCC4) PK-1
- Hybrid/Dual Fuel Convertible, 2-5 Tons (4DCZ5) PK-4
- Heat Pump Convertible, 2-5 Tons (4WCZ6, 4WCZ5, 4WCY4, 4WCC4) PK-7
- Heat Pump Over/Under 2-3.5 Tons (4WHC4) PK-10
- Gas/Electric Convertible, 2-5 Tons (4YCZ6, 4YCZ5, 4YCY4, 4YCC4) PK-11
- Convertible, 2-5 Tons Single Power Entry Kits PK-14
- Convertible, 2-5 Tons Supplemental Heaters PK-15

RunTru™
- Model Nomenclature RTNOM-1
- Split System Cooling Single Phase – 1½-5 Tons (A4AC3, A4AC4, A4AC5) RTSC-1
- Split System Heat Pumps Single Phase – 1½-5 Tons (A4HP4, A4HP5, E4HL5) .. RTSH-1
- Split System Air Handlers Single Phase 1½-5 Tons (A4AH4, A4AH5, E4AH5) ... RTAH-1
- TMM Wall, Stud, or Over the Water Heater Mount Air Handlers Single Phase, 1½-3 Tons (TMM5, TMM4) RTAH-4
- Split System – Cased Heat Pump and Cooling Coils (4MXC) RTCOIL-1
- A801X - Single Stage ECM (A801X) RTFUR-1
- A951X - Single Stage ECM (A951X) RTFUR-3
- A952V - Two Stage, Variable Speed ECM (A952V) RTFUR-3
- Packaged Cooling Convertible 2-5 Tons (4TCA4) RTPK-1
- Packaged Heat Pump Convertible 2-5 Tons (4WCA4) RTPK-3

Accessories/Information
- Roof Curbs (BAYCURB050A, BAYCURB051A) AC/IN-1
- Thermal Expansion Valves AC/IN-2
- Equipment Date Identification AC/IN-4
- Refrigerant Line Sets AC/IN-5
- Refrigerant HFC 410A (R-410A) AC/IN-6
- Refrigerant Piping Information for Two Stage Split Systems AC/IN-7
- Split Systems with Side Discharge Variable Speed Compressor AC/IN-8
- Branch Circuit Wire Sizing Table/Heater De-Rating Chart AC/IN-9
- Basic Air Conditioning Formulas AC/IN-10
- Low Ambient Cooling Operation Accessories AC/IN-11

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TRANE

It's Hard To Stop A Trane.

Contents - Light Commercial

Split System Cooling

- Odyssey with Symbio™ Single Circuit, Three Phase, 6-25 Tons, R-410A (TTA).... LSC-1
- Odyssey with Symbio™ Dual Circuit, Three Phase, 6-25 Tons, R-410A (TTA)..... LSC-2
- Three Phase, 6-25 Tons, R-410A Condenser Accessories..... LSC-3
- Three Phase, 6-25 Tons, Control Options LSC-4

Split System Heat Pumps

- Odyssey with Symbio™ Three Phase, 6-20 Tons, R-410A (TWA) LSH-1
- Three Phase, 6-20 Tons, R-410A Accessories..... LSH-2
- Three Phase, 6-20 Tons, Controls..... LSH-2

Air Handlers/Heaters

- Odyssey with Symbio™ Single Phase 5-10 Tons, Three Phase 5-25 Tons (TWE)..LAH-1
- Heaters for Single and Three Phase..... LAH-3
- Accessories for Single and Three Phase LAH-4

Packaged Cooling

- Precedent™ Convertible, 3-5 Tons Features..... LPC-1
- Precedent™ Convertible, 3-5 Tons, R-410A (THC, TSC) LPC-2
- Precedent™ Convertible, 3-5 Tons Model Digit Numbers..... LPC-3
- Precedent™ Convertible, 3-5 Tons, Electric Heaters..... LPC-5
- Precedent™ Convertible, 3-5 Tons Accessories..... LPC-6
- Precedent™ Convertible, 3-5 Tons Zone Sensors/Thermostats..... LPC-8
- ReliaTel™ Controls for Precedent™ (Packaged Unit Protection/Operation Timings and Features) LPC-9
- Precedent™ with Symbio™ Convertible, 6-25 Tons Features LPC-10
- Precedent™ with Symbio™ Convertible, 6-25 Tons, R-410A (THJ, TSC)..... LPC-11
- Precedent™ with Symbio™ Convertible, 6-25 Tons Model Digit Numbers..... LPC-13
- Precedent™ with Symbio™ Convertible, 6-25 Tons, Electric Heaters LPC-14
- Precedent™ with Symbio™ Convertible, 6-25 Tons Accessories LPC-15
- Foundation™ 3-5 Tons, R-410A (EBC)..... LPC-16
- Foundation™ 3-5 Tons, R-410A (Model Digit Numbers)..... LPC-17
- Foundation™ 3-5 Tons, Accessories..... LPC-18
- Foundation™ 3-5 Tons, Heaters LPC-19
- Medium Foundation™ 7.5-12.5 Tons, R-410A (ECC) LPC-20
- Medium Foundation™ 7.5-12.5 Tons, R-410A (Model Digit Numbers) LPC-21
- Medium Foundation™ 7.5-12.5 Tons Accessories..... LPC-22
- Medium Foundation™ 7.5-12.5 Tons Heaters..... LPC-23
- Foundation™ 15-25 Tons, R-410A (ECC)..... LPC-24
- Foundation™ 15-25 Tons, R-410A (Model Digit Numbers)..... LPC-25
- Foundation™ 15-25 Tons, Accessories LPC-26
- Foundation™ 15-25 Tons, Heaters LPC-27

Packaged Heating

- Precedent™ Convertible, 3-10 Tons Features..... LPH-1
- Precedent™ Convertible, 3-10 Tons, R-410A (WHC/DHC) LPH-2
- Precedent™ Convertible, 3-10 Tons, R-410A (WSC) LPH-4
- Precedent™ Convertible, 3-10 Tons Model Digit Numbers..... LPH-5
- Precedent™ Convertible, 3-10 Tons Electric Heaters..... LPH-7
- Precedent™ Convertible, 3-10 Tons, Electric Heaters and Zone Sensors LPH-8
- Precedent™ Convertible, 3-10 Tons Accessories..... LPH-9
- Precedent™ with Symbio™ Convertible, 12.5-25 Tons Features LPH-11
- Precedent™ with Symbio™ Convertible, 12.5-25 Tons, R-410A (WHJ, DHJ, WSJ, DSJ)..... LPH-12
- Precedent™ with Symbio™ Convertible, 12.5-25 Tons Model Digit Numbers.. LPH-14
- Precedent™ with Symbio™ Convertible, 12.5-25 Tons Accessories LPH-15

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TRANE

It's Hard To Stop A Trane.

Contents - Light Commercial

Packaged Gas/Electric

- Precedent™ Convertible, 3-5 Tons Features LPG-1
- Precedent™ Convertible, 3-5 Tons, 17 SEER, R-410A (YHC) LPG-2
- Precedent™ Convertible, 3-5 Tons, 15 SEER, R-410A (YHC) LPG-3
- Precedent™ Convertible, 3-5 Tons, 14 SEER, R-410A (YSC-G) LPG-4
- Precedent™ Convertible, 3-5 Tons Model Digit Numbers LPG-5
- Precedent™ Convertible, 3-5 Tons Accessories LPG-7
- Precedent™ Convertible, 3-5 Tons Zone Sensors/Thermostats LPG-9
- Precedent™ with Symbio™ Convertible, 6-25 Tons Features LPG-10
- Precedent™ with Symbio™ Convertible, 6-25 Tons, High Efficiency, R-410A (YHJ) LPG-11
- Precedent™ with Symbio™ Convertible, 6-25 Tons, Standard Efficiency, R-410A (YSJ) LPG-13
- Precedent™ with Symbio™ Convertible, 6-25 Tons Model Digit Numbers LPG-15
- Precedent™ with Symbio™ Convertible, 6-25 Tons Accessories LPC-16
- Foundation™, 3-5 Tons, R-410A (GBC) LPG-17
- Foundation™, 3-5 Tons, R-410A (Model Digit Numbers) LPG-18
- Foundation™, 3-5 Tons, R-410A Accessories LPG-19
- Medium Foundation™ 7.5-12.5 Tons, R-410A (GCC) LPG-20
- Medium Foundation™ 7.5-12.5 Tons, R-410A (Model Digit Numbers) LPG-21
- Medium Foundation™ 7.5-12.5 Tons Accessories LPG-22
- Foundation™, 15-25 Tons, R-410A (GCC) LPG-23
- Foundation™, 15-25 Tons, R-410A (Model Digit Numbers) LPG-24
- Foundation™, 15-25 Tons Accessories LPG-25

Accessories/Information

- Roof Curb Compatibility Information LAC/IN-1
- Odyssey Footprint Information LAC/IN-2

Comfort Controls/Zone Sensors

- Zone Sensors LCCZO-1
- Air-Fi Wireless Communicating Zone Sensors LCCZO-3
- Thermostats LCCZO-4

Model Nomenclature Residential

Outdoor Units

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	T	T	R	4	0	6	0	A	1	0	0	0	A	A

Refrigerant Type
2 = R-22
4= R-410A

Brand
T = Trane

System Type
T = AC
W = HP

Product Family
A = Light Commercial
B = XB
L = Side Discharge
M = XM/XB 300
R = XR
V = VSD
X = XL
Z = 2 Recip 20 SEER

Nominal Rated SEER2
0 = 10 or 20 SEER2
3 = 13 SEER2
4 = 14 SEER2
5 = 15 SEER2
6 = 16 SEER2
7 = 17 SEER2
8 = 18 SEER2
9 = 19 SEER2

Field Connection
0 = Brazed
5 = Mechanical

Nominal Tonnage
12 = 1.0
18 = 1.5
19 = 1.5
24 = 2.0
25 = 2.0
30 = 2.5
31 = 2.5
36 = 3.0
37 = 3.0
42 = 3.5
43 = 3.5
48 = 4.0
49 = 4.0
60 = 5.0
61 = 5.0
72 = 6.0

Major Design Change
A thru Z Note: No F, I, O

Power Supply Voltage/Phz/Hz
1 = 200-208-230/1/60
3 = 200-230/3/60
4 = 460/3/60
5 = 400/3/60
A = 220-240/1/50
D = 380-415/3/50

Other Functions
000 = Typical-no meaning
00L = Latin America
COT = Coated PlateFin
BH0 = Bahrain w/ high capacity ID
BM0 = Bahrain w/ nom. capacity ID
QH0 = Qatar w/ high capacity ID
QM0 = Qatar w/ nom. capacity ID
S00 = SASO Cooling Only
SE0 = SASO w/ Electric Ht
SV0 = SASO Vidalia

Minor Design Change
A thru Z Note: No F, I, O

Service Digit - Not Orderable
A thru Z Note: No F, I, O

Accessories

1	2	3	4	5	6	7	8	9	10	11	12
*B	A	Y	E	C	O	N	0	0	1	A	0

Denotes: Accessories

Accessories Type (Example: BAYCURB, TAYSTAT)

ASCT	= Anti-Cycle Timer	LOAM	= Low Ambient Controls
BARM	= Barometric Relief	LPKT	= L.P. Kit
BASE	= Subbase	LSDR	= Low Static Drive
BRZQ	= Coupling Kit Adaptors	NXKT	= NOx Rod Accessory Ki
CCHT	= Crankcase Heater	PANL	= Panel
CLE	= Coil Enclosures	PLNM	= Plenum
CURB	= Roof Curb	PLUS	= Add-on Heat Pump
DMPR	= Damper	REFLN	= Refrigerant Lines
DNFLW	= Downflow Conversion Kit	RLAY	= Relay
ECMT	= Extreme Mounting Kit	SEAC	= Sea Coast Kit
ECON	= Economizer	SENS	= Sensor
ENTH	= Enthalpy Control	SPEK	= Single Power Entry Kit
FLTR	= Filter	STAT	= Thermostat
GARD	= Coil Guard	TBKT	= Thru Base Utility Kit
GRLE	= Return Air Grill	TEST	= Test Accessory
HALT	= High Altitude Kit	TFMR	= Transformer
HGBP	= Hot Gas Bypass Control	TWIN	= Twinning Kits
HSMT	= High Static Motor	TXVA	= Cooling — Bleed/Non Bleed Kits
HTRA	= Electric Heater (Digit 7 Is Used To Differentiate The Products Accessory Is Used With)	TXVH	= Heat Pump Non Bleed Kits
		UTIL	= Curb Ext. Kit
ISLT	= Isolator	VENT	= Termination Kit
KSKT	= Start Accessory Kit	WAR	= Warranty
LEGS	= Snow Legs	WATR	= Hydronic Heat Coils
LEGSCAP	= Leveling Caps	WRKT	= Wire Kit
LIFT	= Lifting Lug Kit	2STG	= 2 Stage Gas

Major Design Change
Numbers Are Sequentially Assigned Except For Electric Heaters. On Electric Heaters Digit 8 Is Used To Identify Voltage And Digit 9 And 10 Are Used To Identify Capacity In KW's.

Minor Design Change
Accessory To Unit Match-up (When Required)

Service Digit - Not Orderable
*B or T or No Digit.

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

Hyperion Air Handler

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
G	A	M	5	A	0	B	3	6	M	3	1	S	A	A

Brand
T or G = Trane Technologies

Product Type
A = Air Handler
E = Air Handler

Convertability
M= Multi-poise 4-way
F = Upflow Front Return, 3-way
T = 3-way

Product Tier
2 = Good, Entry Level Feature Set
4 = Better, Retail Replacement Mid Effy.
5 = Better, Entry Level High Effy., Multi-Speed
7 = Best, Retail Replacement High Effy., Variable-Speed
8 = Best, Retail Ultimate High Effy., Variable-Speed
9 = Best, Comm/24V Variable-Speed
G = Best, Geothermal

Major Design Change

No Descriptor
0 = Air Handler / Coil

Size (Footprint)
A = 17.5 x 21.8
B = 21.3 x 21.8
C = 23.5 x 21.8

Cooling Size: Air Handler or Coil
0-9 = AH Coil - 1000 BTU's (18, 24, 30, 36, 42, 48, 60)

Airflow Type & Capability
S = Standard Effy PSC, 1-5 - nom. Tonnage (cfm/ton)
M = Mid Effy Multi-Speed, 1-5 - nom. Tonnage (cfm/ton)
H = High Effy Variable, 1-5 - nom. Tonnage (cfm/ton)
V = High Effy Variable, 1-5 - nom. Tonnage (cfm/ton)

Power Supply
1 = 208-230/1/60

System Control Type
S = Standard - 24 VAC
C = CLII 13.8 VDC
D = Dual (24 VAC / CLII 13.8 VDC) and Epoxy Coated Coil Fins
E = Epoxy Coated Coil Fins

Minor Design Change

Service Digit - Not Orderable

Hyperion Air Handler Electric Heaters

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
B	A	Y	E	A	A	C	1	5	B	K	1	A	A	A

Brand
B = Both Brands

Product Type
AY = Accessory

Heat Type
E = Electric Heater

Product Tier
A = TAM9, TAM4, GAM5, TAMGB
E = TAM8, TAM7
C = GAF2

Size (Footprint)
A-C = Minimum Cabiner Width

Size (Footprint)
A-C = Maximum Cabiner Width

Electric Heat Input
Electric Heat kW

Connection
BK = Breaker
LG = Lugs

Power Supply
1 = 208-230/1/60
A = 200/1/50
3 = 208-230/3/60

Major Design Modification

Minor Design Modification

Service Digit - Not Orderable

Effective 1/1/23
22-8301-36

Model Nomenclature Residential

Air Handler - Residential

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
T	E	M	4	A	0	B	3	6	M	3	1	S	A	A

Brand
T = Trane

Product Type
E = Metal Cabinet
M = Metal Over Hot Water Heater

Convertability
M = Multi-poise 4-way

Product Tier
3 = Entry Level Multi-Speed
4 = Entry Level Multi-Speed
5 = Entry Level High Efficiency
6 = Entry Level Variable Speed
8 = Entry Level Comm/24V Variable Speed

Major Design Change

No Descriptor
0 = Air Handler / Coil

Size (Footprint) (W x D)
A = 20.5 x 15.0
B = 18.5 x 21.1 (TEM), 22.0 x 19.0 (TMM)
C = 23.5 x 21.1
D = 26.5 x 21.1

Cooling Size: Air Handler or Coil
0-9 = AH Coil - 1000 BTU's (18, 24, 30, 36, 42, 48, 60)

Airflow Type & Capability
S = Standard Effy, 1-5 - nom. Tonnage (cfm/ton)
M = Mid Effy Multi-Speed, 1-5 - nom. Tonnage (cfm/ton)
H = High Effy Variable, 1-5 - nom. Tonnage (cfm/ton)
V = High Effy Variable, 1-5 - nom. Tonnage (cfm/ton)

Power Supply
1 = 208-230/1/60

System Control Type
S = Standard - 24 VAC
C = CLII 13.8 VDC
D = Dual (24 VAC / CLII 13.8 VDC)

Minor Design Change

Service Digit - Not Orderable

Air Handler

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	F	W	C	A	0	2	4	A	1	0	0	0	A	A

Refrigerant Type
4 = R-410A

Model Type
FWC = Convertble
FWH = Convertible with Constant Torque ECM Motor
FWM = Stud Mount with Factory Installed Electric Heat
FWD = Furr-Down Uncased with Factory Installed Electric Heat
FWF = Furr-Down Cased with Factory Installed Electric Heat

Insulation
A = Standard
F = R4.2 Insulation

Capacity
Nominal Capacity in 1000's (BTUH)

Major Design Change

Power Supply
1 = Single Phase

Electrical Connection
0 = Pig Tails
D = Pull Disconnect

Electric Heater
00 = No heater
05 = 5 KW
08 = 8 KW
10 = 10 KW
15 = 15 KW
20 = 20 KW

Minor Design Change

Service Digit - Not Orderable

Air Handler/ Heaters

1	2	3	4	5	6	7	8	9	10	11	12	13	14
B	A	Y	H	T	R	1	4	1	5	B	R	K	A

Accessory

Heater

Power Supply
1 = Single Phase
3 = Three Phase

Series/Family
3 = 2/4TEH Models Only
4 = 4TEC / Legacy
5 = TEM Models Only

Heater *KW*

Electrical Connection
000 = Pig Tails Only
BRK = Circuit Breaker
PDC = Pull Disconnect
RBR = Recessed Breaker-TVF018, TVF024, 14" Deep only
RPD = Recessed Pull Disconnect-TVF018, TVF024, 14" Deep only

Minor Design Change

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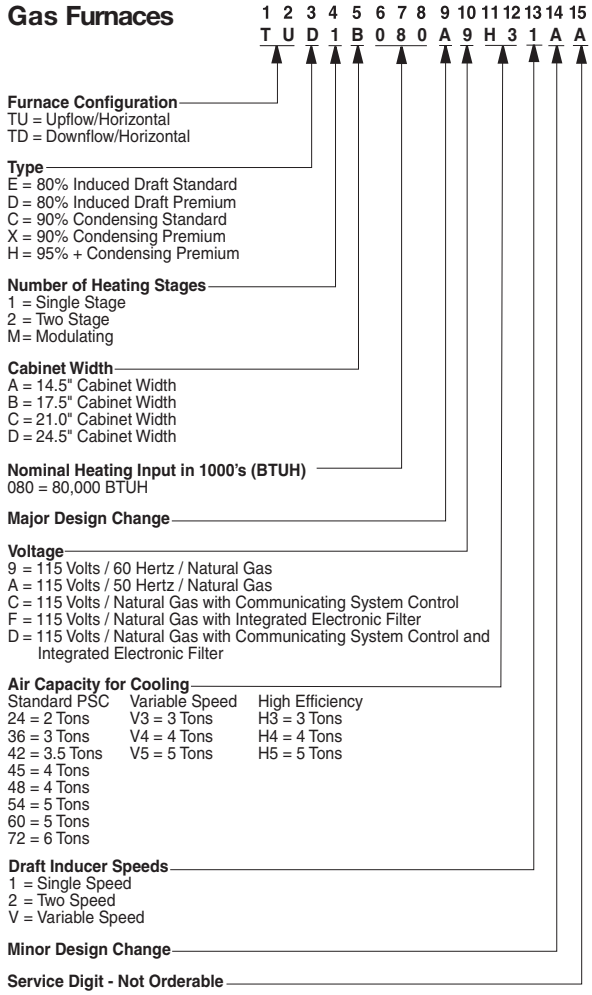
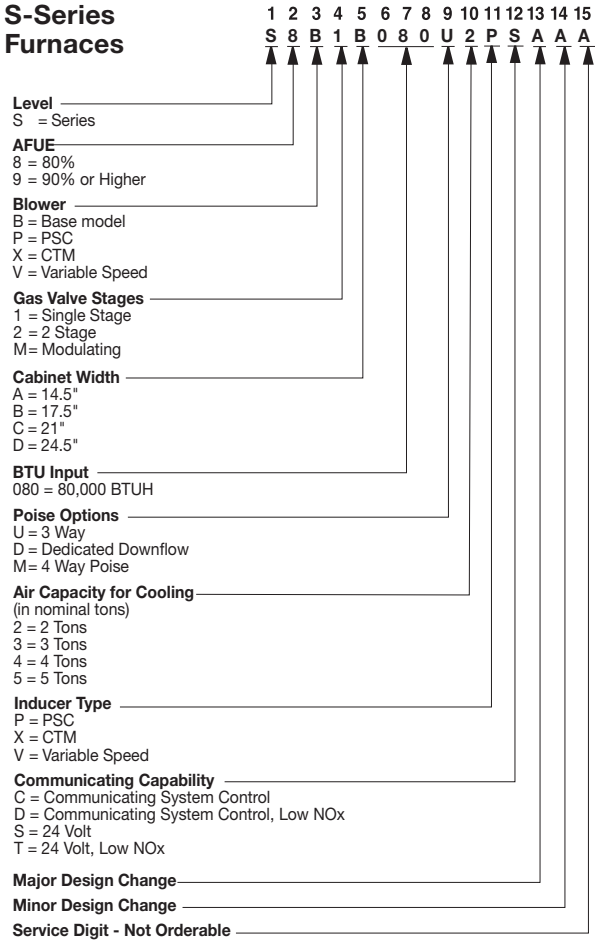
Effective 1/1/23
22-8301-36

Model Nomenclature Residential

Gas Furnaces



S-Series Furnaces



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22-8301-36

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Model Nomenclature Residential

Heat Pump/ Cooling Coils

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	T	X	C	B	0	3	6	A	C	3	H	C	A	A

Refrigerant Type
4 = R-410A

Series
T = Premium (Cooling and HP)
P = Premium High Efficiency - Dedicated position (Cooling and HP)
A = Entry Level (Cooling and HP)
M = Entry Level (Cooling and HP)

Coil Design
X = Direct Expansion Evaporator Coil

Coil Feature
C = Cased A Coil
A = Uncased A Coil
F = Cased Horizontal Flat Coil

Coil Width (Cased/Uncased)
A = 14.5" /13.3" D = 24.5" / 23.3"
B = 17.5" / 16.3" H = 10.5"
C = 21.0" / 19.8"

Refrigerant Line Coupling / Airflow Configuration
0 = Brazed
U = Upflow only, convertible to Horizontal Left
D = Downflow only, convertible to Horizontal Right

Nominal Capacity in 1000's (BTUH) / Model Number Distinguisher

Major Design Change

Efficiency
C = Standard
S = High Efficiency (derived from 10 SEER products)
Z = High Efficiency (TXV modulates to 50%)

Refrigerant Control
3 = TXV - Non-Bleed
6 = FCCV (Flow Control/Check Valve)

Coil Circuitry
H = Heat Pump C = Cooling

Airflow Configuration
A = Upflow
U = Upflow /Downflow
D = Downflow
R = Downflow / Horizontal Right
H = Horizontal Left/Right
C = Convertible - Upflow, Downflow, Left or Right

Minor Design Change

Service Digit - Not Orderable

TXV Kits

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	A	Y	T	X	V	H	3	A	2	5	3	1	A	A

Refrigerant
4 = R-410A
2 = R-22

Accessory

Accessory Type
TXV Kit

Compatibility
Cooling & Heat Pump Compatible

Flow Control
3 = TXV - Non Bleed

Major Design Change
B = Internally Mounted (Mechanical Fittings)
C = Internally Mounted (Mechanical Fittings)
D = Internally Mounted (Mechanical Fittings)

Minimum Nominal Capacity in 000's BTU's

Maximum Nominal Capacity in 000's BTU's

Minor Design Change

Service Digit - Not Orderable

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 1/1/23
22-8301-36

Model Nomenclature Residential

Trane CleanEffects™ Whole House Air Cleaner

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
E	F	D	1	4	5	A	L	F	R	0	0	0	C	A

Brand
E=Dual Branded

Filtration

ifD

Size

Furnace Upflow	Furnace Downflow	Air Handler
145 = 14.5"	14D = 14.5"	215 = 21.5"
175 = 17.5"	17D = 17.5"	235 = 23.5"
210 = 21.0"	21D = 21.0"	260 = 26.0"
245 = 24.5"	24D = 24.5"	

Major Design Change

Power Supply
L = Low Voltage

Application
AH000 = Air Handler
FR000 = Furnace

Minor Design Change

Service Digit - Not Orderable

QuikBox Air Cleaner

1	2	3	4	5	6	7	8	9	10
E	QB	FM	175			A	0	FR	11

Brand
E = Dual Branded

Model
QB = QuikBox

Filter Type
FM = Filter Media

Product Dimensions
165 = 16.5" Furnace Width
175 = 17.5" Furnace Width
210 = 21.0" Furnace Width
245 = 24.5" Furnace Width
17D = 17.5" Air Handler Width
185 = 18.5" Air Handler Width
215 = 21.5" Air Handler Width
235 = 23.5" Air Handler Width

Major Design Change

Product Development Sequence

Application
AH = Air Handler
FR = Furnace

MERV Rating
11 = MERV 11
13 = MERV 13

Dehumidifiers

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
E	D	H	U	M	7	0	H	A	H	M	0	0	B	A

Brand
E = Dual Branded

Accessory Type
DHUM = Humidifier

Model Series
70H = 70 ppd, 1800 sq'
098 = 98 ppd, 2300 sq'
120 = 120 ppd, 2500 sq'

Major Design Change
A = Design Series

Configuration
H = Horizontal, Ducted Attic, Basement
V = Vertical, Closet or Limited Space
S = Split System Indoor and Outdoor Section

Voltage Supplied Wiring
1 = 115 VAC, 9" Cord, Grounded Plug

Controls
M = Wired 24V terminals

Application
D = Dedicated Ventilating Dehumidifier
N = Dehumidifier with optional ventilation

Minor Design Change

Service Digit - Not Orderable

QuikBox Filter Accessories

1	2	3	4	5	6
FLR	QB	5	FR	17	M11

Accessory Type
FLR = Filter

Model
QB = QuikBox

Product Development Sequence
5= 5" Expandable Media

Application
AH = Air Handler
FR = Furnace

Product Dimensions
16 = 16.5" Furnace Width
17 = 17.5" Furnace Width
21 = 21.0" Furnace Width
24 = 24.5" Furnace Width
17D = 17.5" Air Handler Width
18 = 18.5" Air Handler Width
21 = 21.5" Air Handler Width
23 = 23.5" Air Handler Width

MERV Rating
11 = MERV 11
13 = MERV 13

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 1/1/23
22-8301-36

Model Nomenclature Residential

Humidifiers

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
E	H	U	M	D	8	0	0	A	S	M	0	0	B	A

Brand
E = Dual Brand
T = Trane

Accessory Type
HUMD = Humidifier

Model Series
200, 300, 500, 800

Major Design Change

Humidifier Type
B = Bypass, Flow Through
P = Fan Powered, Flow Through
S = Steam, Canister

Control
M = Manual
A = Automatic

Secondary Function

Minor Design Change

Service Digit - Not Orderable

Humidifier Controls

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
T	C	O	N	T	H	0	1	A	A	U	T	O	A	A

Brand

Accessory Type
CONT = Control

Accessory
H = Humidifier

Model Series

Major Design Change

Control Type - Automatic or Manual
SENS = Sensing
1310 = Height x Width (Dimensions)
MHCO = Manual Humidifier Control

Minor Design Change

Service Digit - Not Orderable

Humidifier Accessories

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
B	A	Y	R	L	Y	1	0	A	S	E	N	S	A	A

Accessory

Description
RLY = Relay
PAD = Humidifier Replacement Pad
PLT = Adapter Plate

Accessory Series

Major Design Change

Accessory Type
SENS = Sensing
1310 = Height x Width (Dimensions)
MHCO = Manual Humidifier Control

Minor Design Change

Service Digit- Not Orderable

Energy Recovery Ventilator (ERV)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
E	E	R	V	R	1	0	0	A	1	P	0	0	B	A

General Descriptor
E = Dual Brand

Product Type
ERV = Energy Recovery Ventilator

Feature Tier
B = Future
R = PSC Blower/PT Control
X = Future

Model Family (Nominal Airflow)
100 = 130 cfm
200 = 200 cfm
300 = 300 cfm

Major Design Change

Power Supply
1 = 115 v/1 ph/60 hz

Type of Defrost
P = Passive

Open Digits

Minor Design Change
B = Polyslate Cabinet/Polyslate Door
Dual Badge Included

Service Digit - Not Orderable

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Effective 1/1/23
22-8301-36

Model Nomenclature Residential

Packaged Units 15-Digit Model

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	Y	C	C	4	0	4	2	A	3	0	0	0	A	A

Refrigerant
4 = R-410A

Type
Y = Gas Electric
W= Heat Pump
D = Dual Fuel
T = Air Conditioner

Configuration
C = Convertible
H = Horizontal (only)

Model Tier
C = Entry Level
Y = Premium
Z = Leadership - (2-Stage)

Efficiency Tier
4 = 14.0 SEER / 13.4 SEER2
5 = 15.0 SEER2
6 = 16.0 SEER

Capacity in 1000's (BTUH)

018	042
024	048
030	060
036	

Major Design Change

Voltage & Phase
1 = 230V 1 Phase
3 = 230V 3 Phase
4 = 460V 3 Phase

Gas Heat Input (MBTU/H)
000 (AC or HP) 075

Minor Design Change

Service Digit - Not Orderable

Packaged Units (Pre-410A Refrigerant)

1	2	3	4	5	6	7	8	9	10	11	12
Y	C	X	0	3	6	G	1	M	0	A	0

Product Type
TC = Cooling, Electric Heat
WC = Heat Pump Packaged
YC = Gas Electric
DC = Heat Pump with Gas Heat

Airflow Configuration
D = Downflow
H, K = Horizontal
C = Convertible
X = High Efficiency
Y = Super High Efficiency
Z = Ultra High Efficiency

Cooling Capacity in 1000's (BTUH)

018 = 1 1/2 Tons	060 = 5 Tons
024 = 2 Tons	150 = 12 1/2 Tons
030 = 2 1/2 Tons	180 = 15 Tons
036 = 3 Tons	210 = 17 1/2 Tons
042 = 3 1/2 Tons	240 = 20 Tons
048 = 4 Tons	300 = 25 Tons

Commercial High Efficiency Units
151 = 12 1/2 Tons
181 = 15 Tons
211 = 17 1/2 Tons
241 = 20 Tons
301 = 25 Tons

Major Design Change
F = Impack – Side by Side – Ft. Smith Only
B = Over/Under – Ft. Smith Only
G = Impack Plus – Side by Side – Ft. Smith Only

Electrical Characteristics
1 = 208-230/1/60
3 = 208-230/3/60
4 = 460/3/60

Secondary Capacity And/Or Factory-Installed Options
OO = No Heat, No Options
LO = Low Heating Capacity
MO = Medium Heating Capacity
HO = High Heating Capacity

Minor Design Change

Service Digit - Not Orderable

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Effective 1/1/23
22-8301-36

Model Nomenclature Residential

Controls

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
T	Z	O	N	E	9	5	0	A	C	5	2	Z	A	A

Brand
T = Trane
Z = Unbranded

Accessory Type
CONT = Control (thermostat)
ZONE = Control (zoning)

Model Series

Major Design Modifications

Control Platform
M = Mechanical
N = Non-programmable Electronic (Digital Display)
F = Five/Two Programmable Electronic (Digital Display)
S = Seven Day Programmable Electronic (Digital Display)
C = Communicating
W = Wireless

Heating Stages

Cooling Stages

Equipment Application
A = AC / Heat (Gas or Electric)
G = AC / Heat (Gas)
E = AC / Heat (Electric)
H = Heat Pump
M = Multi-Application - AC / Heat (Gas/Elec) / Heat Pump
D = Dual Fuel, Heat Pump, or AC and Heat (Gas/Elec)
C = Communicating
Z = Zoning - Universal application - 3 wire Communicating zone control of AC or Heat (Gas/Elec) and Dual Fuel Heat Pump
U = Universal Application - Communicating Control of AC/Heat (Gas/Elec) / Dual Fuel Heat Pump

Minor Design Change

Service Digit

Zone Dampers

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Z	D	A	M	P	R	D	M	A	0	0	1	2	A	A

Brand
Z = Zoning

Damper

Model Series
RD = Round
RR = Retro-Fit Round
SM = Side Mount Rectangular
BM = Bottom Mount Rectangular

Modulating Damper (24 Volt, 60 Sec. Timing)

Major Design Modifications

Dimensions
0012 = 12" Round
1014 = 10" X 14" Rectangular (motor mounted on 2nd dimension)

Minor Design Change

Service Digit

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Effective 1/1/23
22-8301-36