Model Nomenclature

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Allegiance/Heritage Condensing Units

6 H 4 0 3 6 A 1 0 0 A 0

Product Type
6 = Split Heat Pump
7 = Split Cooling

Product Family
A = Allegiance
H = Heritage
C = Light Commercial
B = 18" Cabinet – Cooling Only

Product SEER
0 = 10 2 = 12
1 = 11 4 = 14

Split System Connections 1 – 6 Tons
0 = Brazed

Equipment Capacity
Example: 36 = 36 MBTUH = 3 Tons

Major Design Modifications

Power Supply
1 = 200 - 230/1/60
3 = 200 - 230/3/60
4 = 460/3/60

Secondary Function

Minor Design Modifications

Product Service Change

Gas Furnaces

A D C 0 8 0 C 9 3 6 B

Furnace Configuration
Freedom 80 – AU = Upflow/Horizontal
AD = Downflow/Horizontal
Freedom 90 – AU = Upflow/Horizontal
AD = Downflow/Horizontal

Type
C = Condensing
D = Induced Draft
X/Y = Direct Vent Condensing

Heating Input MBTUH
Example: 080 = 80,000 MBTUH

Major Design Change
Freedom 80/90
C = 80% or 90% Single Stage
R = 80% or 90% Two Stage

Power Supply and Fuel
115 Volt, Natural Gas

Airflow Capacity for Cooling
Example: 36 MBTUH = 3 Tons
400 CFM per Ton (400 CFM x 3 Tons = 1200 CFM)
V3 = 2 1/2 – 3 1/2 Tons, Variable Speed Motor (ICM)
V4 = 3 – 4 Tons, Variable Speed Motor (ICM)
V5 = 3 – 5 Tons, Variable Speed Motor (ICM)

Design Change

Oil Furnaces

A C U 0 5 5 B 9 3 6 A

Furnace Configuration
ACU = Convertible (Upflow/Downflow/Horizontal)
AUH = Upflow/Horizontal
ALB = Low Boy Upflow Only

Heating Output (BTUH)
Example: 055 = 55,000 BTUH

Design Change

Power Supply and Fuel
115 Volt, Oil

Airflow Capacity for Cooling
Example: 36 MBTUH = 3 Tons

Design Change

Split System Convertible Cooling/Heat Pump Coils

T X C 0 2 4 C 4 H P B

Furnace Coils
A = Uncased "A" Coil F = Cased Flat Horizontal
C = Cased Coil H = Cased "V" Horizontal
E = Commercial

Coupling System
7 = Quick-Attach 0 = Brazed

Primary Capacity
Nominal Capacity in 000's of BTU's

Refrigerant Control
C = Universal
S = Variable Speed
E = High Efficiency
2 = Cap Tube 4 = Accutron™ Flow Control/Check Valve (FCCV)
3 = Non Bleed TXV 5 = Bleed TXV

HP = Heat Pump
00 = Air Conditioning

Minor Design Change

Split System Upflow Only Cooling Coils

C C B A 1 8 A 4 A C C 0

Coils
CCB = Cased/Braze CUB = Uncased/Braze

Width
A = 14 1/2 Inches C = 21 Inches
B = 17 1/2 Inches D = 24 1/2 Inches

Primary Capacity
Nominal Capacity 00's Of BTU's

Major Design Sequence

Refrigerant Control
2 = Cap Tube 4 = Accutron™ Flow Control Check Valve (FCCV)
3 = TXVNB 5 = Bleed TXV

Dedicated Cooling
Coils Only

Minor Design Change

Product Service

Air Cleaner

A F E 1 7 5 A 9 F R 0 0

American Standard

Filter

Type
C = Case Only M = Media, 4 Inch
E = Electronic T = Throw away, 1 Inch

Width
145 = 14-1/2 Inch/FR 215 = 21-1/2 Inch/AH
175 = 17-1/2 Inch/FR 235 = 23-1/2 Inch/AH
210 = 21 Inch/FR 260 = 26 Inch/AH
245 = 24-1/2 Inch/FR

Major Design Sequence

Electrical Characteristics
0 = None
1 = 230/1/60
9 = 115/1/60

Product Designed For
AH = Air Handler
FR = Furnace

Minor Design Sequence

Service Digit

AMERICAN STANDARD (also TRANE)

Packaged Units

Y C H 0 9 0 C 3 L 0 A A

Product Type
TC = Cooling
WC = Heat Pump
YC = Gas Electric
DC = Dual Fuel

Airflow Configuration
M = Mobile Home Unit
D = Downflow
H = Horizontal
C = Convertible
X = High Efficiency
Y = Higher Efficiency
Z = Highest Efficiency

Cooling Capacity (MBTUH)

018 = 1 1/2 Tons	091 = 7 1/2 Tons ①
024 = 2 Tons	102 = 8 1/2 Tons
030 = 2 1/2 Tons	103 = 8 1/2 Tons ①
036 = 3 Tons	120 = 10 Tons
037 = 3 Tons ①	121 = 10 Tons ①
042 = 3 1/2 Tons	150 = 12 1/2 Tons
048 = 4 Tons	151 = 12 1/2 Tons ①
049 = 4 Tons ①	180 = 15 Tons
060 = 5 Tons	181 = 15 Tons ①
061 = 5 Tons ①	210 = 17 1/2 Tons
074 = 6 Tons ①	211 = 17 1/2 Tons ①
075 = 6 1/4 Tons	240 = 20 Tons
086 = 7 Tons ①	241 = 20 Tons ①
090 = 7 1/2 Tons	300 = 25 Tons

Major Development Sequence

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

Secondary Capacity
L = Low Heat O = No Heat M = Medium Heat H = High Heat

Factory-Installed Options
0 = Packed Stock, No Options
A = Factory Installed Economizer
B = Oversize Motor
C = Downflow Economizer and Oversize Motor

Minor Design Change

Service Digit

① HE = High Efficiency Models

Accessories

A Y E C O N 0 0 1 A A

Denotes Accessories (AY, ASY, BAY, TAY)

Accessories Type, Example:

ASCT	= Anti-Cycle Timer	KSKT	= Start Accessory Kit
BARM	= Barometric Relief	LEG	= Snow Legs
BASE	= Subbase	LOAM	= Low Ambient
BRZQ	= Coupling Kit Adaptors	LPKT	= L.P. Kit
CCHT	= Crankcase Heater	NXKT	= NOx Rod Accessory Kit
CLE	= Coil Enclosures	PANL	= Panel
CURB	= Roof Curb	PLNM	= Plenum
DMPR	= Damper	PLUS	= Add-on Heat Pump
DNFLW	= Downflow Conversion Kit	REFLN	= Refrigerant Lines
ECON	= Economizer	RLAY	= Relay
ENTH	= Enthalpy Control	SENS	= Sensor
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 It's Used With)	TXVH	= Heat Pump Non Bleed Kits
		WAR	= Warranty
		WATR	= Hydronic Heat Coils
		2STG	= 2 Stage Gas
ISLT	= Isolator		

Major Design Sequence
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 Sequence
Accessory To Unit Match-up (When Required)

Service Digit (When Required)

Commercial Condensing Units Cooling and Heat Pump

T T A 0 9 0 A 3 0 0 C 0

Product Type
TTA = Split Cooling TWA = Split Heat Pump

Nominal Gross Cooling Capacity (MBh)

Cooling	Heat Pump
090 = 7 1/2 Tons	090 = 7 1/2 Tons
120 = 10 Tons	120 = 10 Tons
150 = 12 1/2 Tons	180 = 15 Tons
180 = 15 Tons	240 = 20 Tons
240 = 20 Tons	

Compressor
A = Single Compressor C = Single 2-Speed Scroll Compressor
B = Dual Compressor

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

Factory-Installed Options
00 = Packed Stock, No Options

Minor Design Sequence

Service Digit

Air Handlers:
Commercial, 5 – 20 Tons

T W E 1 2 0 A 3 0 0 B 0

Product Type
TW = Air Handler Designed For Heat Pump or Cooling Application

Airflow Type
E = Convertible (Upflow/Horizontal Only)

Nominal Cooling Capacity
Gross Cooling Capacity — Commercial, 5 – 20 Tons
Example: 120 = 120,000 BTUH (10 Tons)

Commercial – Refrigeration Circuits
A = Single Circuit B = Dual Circuit

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

Commercial – Factory Installed Options
0 = Packed Stock, No Options

Commercial – Factory Installed Options
0 = Packed Stock, No Options

Minor Design Sequence

Service Digit

Air Handlers:
Residential, 1 1/2 – 5 Tons

T W E 0① 3 6 C 1 4 0 A 0

Product Type
TW = Air Handler Designed For Heat Pump or Cooling Application

Airflow Type
V = Vertical, Upflow Converts To Downflow
H = Horizontal Only
E = Convertible 6-Way (Upflow/Downflow/Horizontal)
G = Vertical, Upflow Converts To Horizontal Left Only

Nominal Cooling Capacity
Net Cooling Capacity — Residential, 1 1/2 – 5 Tons
Example: 36 = 36,000 BTUH (3 Tons)

Residential Major Development Sequence
B = Built-In Fan Delay Function
C = Convertible
E = Electronic Variable Speed Motor ②
P = High Efficiency System ②

Electrical Characteristics
Residential : 1 = 200 - 230/1/60

Residential Refrigerant Flow Control
3 = Non Bleed TXV
4 = Accutron™ Flow Control/Check Valve
5 = Bleed TXV

Residential Design Change
0 = No Change
F = 1" Cabinet Insulation, "Air-Tite" Models

Minor Design Sequence

Service Digit

① 0 = In Residential Air Handlers is Brazed Refrigerant Connections
② Built-In Fan Delay