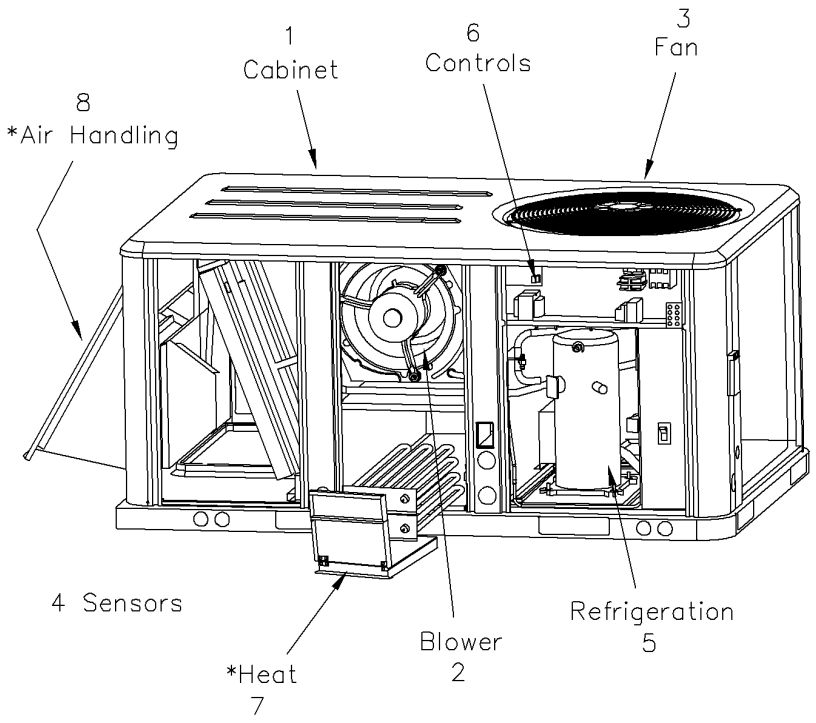
General Assembly

75009417

REV A

Typical illustration. Unit may not appear exactly as shown.



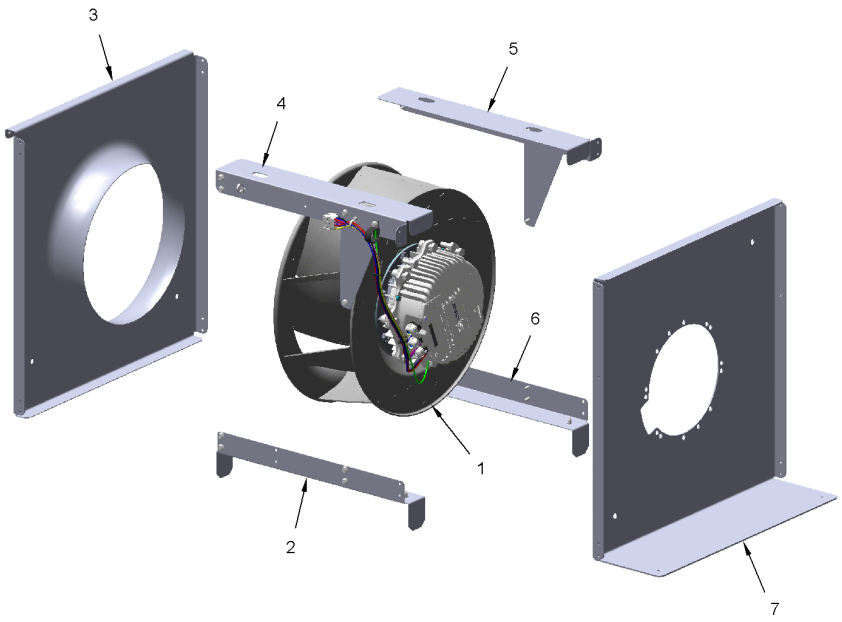
* The Heat and Air Handling sections will appear in the Parts List if ordered with the unit.

View is determined by facing Appearance Nameplate

Part No.	Reference No.	Quantity	Description
75009291	2		BLOWER
75010937	3		FAN
75009709	5		REFRIGERATION
75009416	9		MODEL NUMBER DESCRIPTION, DIGITS 1-16
75009422	9		MODEL NUMBER DESCRIPTION, DIGITS 17-31
75009423	9		MODEL NUMBER NOTES
NGRAPHIC	10		OPTIONAL FIELD INSTALLED ACCESSORIES

BLOWER 75009291 REV B

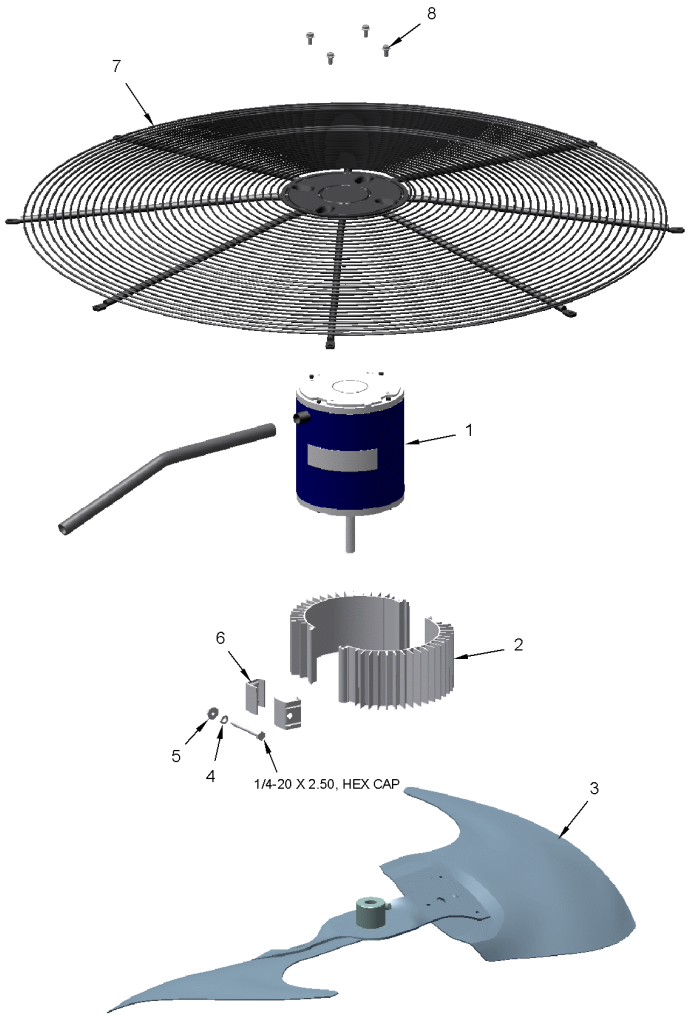
TYPICAL ILLUSTRATION



Part No.	Reference No.	Quantity	Description
SCR01557	*	16	SCREW; SHEET METAL 0.25-14 X 0.62, HEX HEAD, SLATE GRAY COLOR
WIR05194	*	1	WIRE; HARNESS, INDOOR FAN MOTOR (1Z,2S,3S,GND,37B,39B,40B,41B,45B,108C,158E)
FAN04605	1	1	FAN; INDOOR FAN/BLOWER ASSEMBLY, DIRECT DRIVE, 200-240V, 3.75 HP, AC, 50/60HZ, 3 PHASE, WITH HARNESS. INCLUDES MOTOR THAT IS NOT AVAILABLE SEPARATELY.
BRK03923	2	1	BRACKET; PLENUM BOTTOM ANGLE; 19.71 X 2.13 X 4.50
PLT04558	3	1	PLATE; PLENUM FRONT WITH ORIFICE, 24.60 X 24.00
BRK03921	4	1	BRACKET; PLENUM TOP FRONT ANGLE, 19.75 X 9.00
BRK03922	5	1	BRACKET; PLENUM TOP REAR ANGLE, 19.75 X 9.00
BRK03923	6	1	BRACKET; PLENUM BOTTOM ANGLE; 19.71 X 2.13 X 4.50
PLT04559	7	1	PLATE; PLENUM MOTOR MOUNTING, 24.31 X 24.00

FAN 75010937 REV A

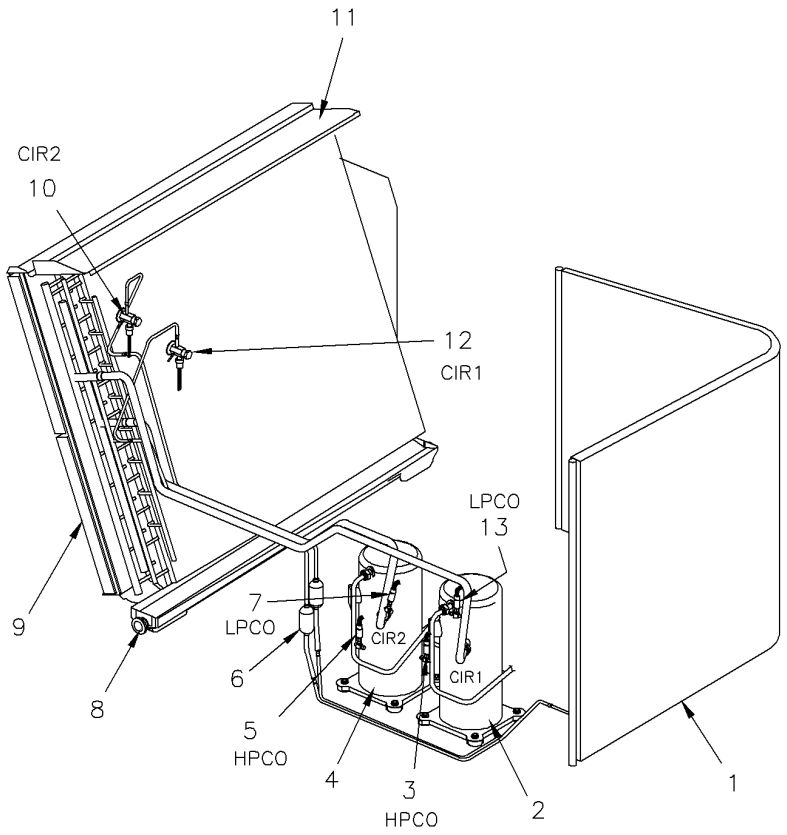
TYPICAL ILLUSTRATION



Part No.	Reference No.	Quantity	Description
WAS00041	*	1	WASHER; FLAT, PLAIN, #12 .25 ID X .56 OD, .065 THK, CARBON STL-PLD
MOT10511	1	1	MOTOR; 3/4 HP, 208-230/60/1, 1100 RPM, CCW LEAD END, TYPE PSC, 48 FRAME, BALL BEARING, 25 MFD CPT AT 370V
RNG01005	2	2	RING; EXTRUDED FIN, HEAT SINK, 3.00 WIDE, UNRESTRAINED DIM IS 7.20/6.61
FAN03162	3	1	FAN; 4 BLADE, 26 IN DIA, 30 DEG PITCH, CCW, 1/2 BORE
WAS00670	4	1	WASHER; .26 ID X .49 OD
NUT00009	5	1	NUT; .25-20, HEX LOCK
BRK00688	6	2	BRACKET; CONNECTING, HEAT SINK
GRL01353	7	1	GRILLE; OUTDOOR FAN, 30.33 MTG DIA
SCR01996	8	4	SCREW; #10-32 THREAD FORMING, IND 5/16 HEX FLG WASHER HEAD, .438/.408 LENGTH, W/GERNIBS TAPTITE II (4 PER BAG)

Refrigeration 75009709 REV A

Typical illustration. Unit may not appear exactly as shown.



Part No.	Reference No.	Quantity	Description
BOF01684	*	1	BLOCKOFF; INDOOR COIL, FRONT, 40.6 X 5.5
BRK03234	*	1	BRACKET; INDOOR COIL, BOTTOM, 0.65 X 4.39 X 1.50
BRK03275	*	1	BRACKET; COMPRESSOR SUPPORT (3 SIDES)
BRK03938	*	1	BRACKET; FILTER CHANNEL, 50.50 LENGTH
CAP00072	*	6	CAP; VALVE, SEAL, .25 FFL
COR00006	*	2	CORE; VALVE PORT, .79 LENGTH, .206-36 UNS 2A THD
HTR06511	*	1	HEATER; CRANKCASE, 70W, 230V, 6.5 DIA, 65/46 IN LEAD LENGTHS
HTR11909	*	1	HEATER; CRANKCASE, 40W, 230V,18 AWG W/2 LEADS
KIT08039	*	2	KIT; GROMMETS. COMPRESSOR MOUNTING. (CONSISTS OF 4), 0.44 ID X 1.63 OD NEOPRENE RUBBER-BLACK 45-55 DUROMETER
NUT00355	*	8	NUT; HEX, LOCK, 5/16IN.-18
NUT00890	*	8	NUT; PALLET, 5/16-18 UNC 2B THD.
PLT03619	*	1	PLATE; MOUNTING, COMPRESSOR, 34.56 X 14.30
SET00819	*	4	SEAT; SADDLE MOUNT ASSEMBLY
STM00803	*	4	STEM; SADDLE MOUNT, VALVE CORE, BRASS, .344 DIA X 1.29 SCHRAEDER TYPE FITTING (TO INCLUDE 5 PIECES)
SUP04486	*	1	SUPPORT; INDOOR COIL, 51.6 INCH LENGTH
THT02760	*	1	THERMOSTAT; WITH CLIP, .5/.625 TUBE, 72" BLACK WIRES, SPST, 230F OPEN, 180F CLOSE
THT02761	*	1	THERMOSTAT; WITH CLIP, .5/.625 TUBE, 72" RED WIRES, SPST, 230F OPEN, 180F CLOSE
VAL01483	*	2	VALVE; BODY, .44-20 THD X .25 ODS, STRAIGHT, BRASS, LESS CORE
WIR03437	*	1	WIRE; HARNESS, COMPRESSOR, 14 AWG, CC1, 46 IN LENGTH (3 WIRE-RK,BL,BK)
WIR03439	*	1	WIRE; HARNESS, COMPRESSOR, 14 AWG, CC2, 62 IN LENGTH (3 WIRE-RK,BL,BK)
WIR04406	*	1	WIRE; HARNESS, LOW PRESSURE SWITCH, 42 IN LENGTH, BLUE WIRES, CIR 1
WIR04407	*	1	WIRE; HARNESS, LOW PRESSURE SWITCH, 55 IN LENGTH, YELLOW WIRES, CIR 2
COM10052	2	1	COMPRESSOR; SCROLL, SXA054B3BPZ, 4.5 TON, 200/230/60/3, R410A
SWT03402	3	1	SWITCH; HIGH PRESSURE, BRAZED, OPENS AT 650 PSIG, CLOSES AT 550 PSIG, 61 INCH WHITE LEADS
COM10207	4	1	COMPRESSOR; SCROLL, SXA028C3BPZ, 2.25 TON, 200-230/60/3, R410A
SWT03403	5	1	SWITCH; HIGH PRESSURE, BRAZED, OPENS AT 650 PSIG, CLOSES AT 550 PSIG, 61 INCH ORANGE LEADS
DHY01511	6	2	DRIER; FILTER, LIQUID LINE, 5/16 ODM INLET X 5/16 ODF OUTLET, 8 CU INCH
SWT03623	7	1	SWITCH; LOW PRESSURE CUTOUT, 250 OPEN, ACTUATION PRESSURE 55 +/- 5, RESET PRESSURE 35 +/- 5
PAN02916	8	1	PAN; DRAIN, 52 INCH LENGTH, BLACK POLYCARBONATE, GASKETS INCLUDED
DST00946	10	1	DISTRIBUTOR; ASSEMBLY, 8 OUTLETS, #2.5 NOZZLE
VAL11032	10	1	VALVE; EXPANSION, 3 TON, 3/8 ODF IN X 1/2 ODF OUT, NON-ADJUSTABLE, R410A, 120.0 PSIG
COL19746	11	1	COIL; INDOOR
DST00945	12	1	DISTRIBUTOR; ASSEMBLY, INDOOR, 12 OUTLETS, #4 NOZZLE
VAL08975	12	1	VALVE; EXPANSION; 5 TON, 3/8 ODF IN X 1/2 ODF OUT, NON-ADJUSTABLE, R410A, 122 PSIG
SWT03623	13	1	SWITCH; LOW PRESSURE CUTOUT, 250 OPEN, ACTUATION PRESSURE 55 +/- 5, RESET PRESSURE 35 +/- 5

Model Nomenclature

75009422 REV D

Packaged Cooling
Digits 18 through 31

DIGIT 18 – Through the Base Provisions
- 0 = No Through the Base Provisions
- A = Through the Base Electric (11)

DIGIT 19 – Disconnect/Circuit Breaker
- 0 = No Disconnect/No Circuit Breaker
- 1 = Unit Mounted Non–Fused Disconnect (11)
- 2 = Unit Mounted Circuit Breaker (11)

DIGIT 20 = Convenience Outlet
- 0 = No Convenience Outlet
- A = Unpowered Convenience Outlet
- B = Powered Convenience Outlet (12)

DIGIT 21 – Communications Options (4)
- 0 = No Communications Interface
- 1 = Trane Communications Interface
- 2 = LonTalk® Communications Interface
- 3 = Novar 2024 Controls (13)
- 4 = Novar 3051 Controls without Zone Sensor (13)
- 5 = Novar 3051 Controls Interface with DCV (13)
- 6 = BACnet™ Communications Interface
- 7 = Wireless Building Automation Control Network Communications Interface

DIGIT 22 – Refrigeration System Option
- 0 = Standard Refrigeration System (14)
- 1 = Dehumidification Option (15)

DIGIT 23 – Refrigeration Controls
- 0 = No Refrigeration Control (16)
- 1 = Frostat (17) (18)
- 2 = Crankcase Heater (19)
- 3 = Frostat (17) (18) and Crankcase Heater (19)

DIGIT 24 – Smoke Detector (21)
- 0 = No Smoke Detector
- A = Return Air Smoke Detector (21) (22)
- B = Supply Air Smoke Detector
- C = Supply and Return Air Smoke Detectors (21) (22)
- D = Plenum Smoke Detector

DIGIT 25 – Monitoring Controls
- 0 = No Monitoring Controls (23)
- 1 = Clogged Filter Switch (23)
- 2 = Fan Failure Switch (23)
- 3 = Discharge Air Sensing Tube (23)
- 4 = Clogged Filter Switch and Fan Failure Switch (23)
- 5 = Clogged Filter Switch and Discharge Air Sensing Tube (23)
- 6 = Fan Failure Switch and Discharge Air Sensing Tube (23)
- 7 = Clogged Filter, Fan Fail Switch and Discharge Air Sensing Tube (23)
- 8 = Novar 2024 Return Air Sensor (14) (24)
- 9 = Novar 3051 Zone Sensor (14) (25)
- A = Condensate Drain Pan Overflow Switch
- B = Clogged Filter Switch (23) and Condensate Drain Pan Overflow Switch
- C = Fan Failure Switch (23) and Condensate Drain Pan Overflow Switch
- D = Discharge Air Sensing (23) and Condensate Drain Pan Overflow Switch
- E = Clogged Filter Switch (23), Fan Failure Switch (23) and Condensate Drain Pan Overflow Switch
- F = Clogged Filter Switch (23), Discharge Air Sensing Tube (23), and Condensate Drain Pan Overflow Switch
- G = Fan Failure Switch (23), Discharge Air Sensing Tube (23), and Condensate Drain Pan Overflow Switch
- H = Clogged Filter Switch (23), Fan Failure Switch (23), Discharge Air Sensing Tube (23), and Condensate Drain Pan Overflow Switch

DIGIT 26 – System Monitoring Controls
- 0 = No Monitoring Controls
- 1 = Demand Control Ventilation (CO_2) (26) (27)

DIGIT 27 – Unit Hardware Enhancements
- 0 = No Enhancements
- 1 = Stainless Steel Drain Pan

DIGIT 31 – Advanced Unit Controls
- 0 = Standard Unit Controls
- 1 = Human Interface

See Model Number Notes graphic for explanation of Notes (1) to (27)

Model Number Notes

75009423 REV C

THC Packaged Cooling

(1) Optional on THC072, Standard on THC074F to THC120F.

(2) Manual outside air damper will ship factory supplied within the unit, but must be field installed.

(3) Motorized Outside Air Damper is not available on Multi–Speed or SZVAV (Single Zone Variable Air Volume) products.

(4) Not available with electromechanical controls

(5) Economizer with Barometric Relief is for downflow configured units only. Order Economizer without Barometric Relief for horizontal configuration. Barometric Relief for horizontal configured units must be ordered as field installed accessory.

(6) THC072E,072F – Belt Drive Standard, 15=1 Optional.
THC074F,092E,092F,102E,102F,120E,120F – Ultra High Efficiency Direct Drive Plenum Fan is standard.

(7) Single Zone VAV is only available on THC074–THC120 units with ReliaTel Controls.

(8) Discharge Air Sensing is also standard equipment on units with Single Zone and Supply Air Temperature Control VAV.

(9) Multi–speed indoor fan available only on THC074–THC120 units with ReliaTel Controls.

(10) Epoxy coil and epoxy with hailguard options are not available for units with microchannel condenser coil.

(11) Through the base electric required when ordering disconnect/circuit breaker options.

(12) Requires use of Disconnect or Circuit Breaker.

(13) Novar is not available with SZVAV products.

(14) Standard metering devices are TXVs.

(15) Requires selection of 2" Pleated Filters (16=B or C)

(16) Frostat cannot be field installed in electromechanical units.

(17) High Pressure Control is standard on all units.

(18) Frostat standard on Multi–Speed and SZVAV (Single Zone Variable Air Volume).

(19) Crankcase heaters are standard.

(20) Not available with high temperature duct sensor accessory.

(21) Return Air Smoke Detector cannot be ordered with Novar Controls.

(22) The return air smoke detector may not fit up or work properly on the Precedent units when used in conjunction with 3rd party accessories such as bolt on heat wheels, economizers and power exhaust. Do not order the return air smoke detectors when using this type of accessory.

(23) These options are standard when ordering Novar Controls.

(24) This option is used when ordering Novar Controls.

(25) Novar Sensor untilized with Digit 21=(4) Novar 3051 Controls without Zone Sensor.

(26) Demand Control Ventilation Option includes wiring only. The CO_2 sensor is a field–installed only option.

(27) Demand Control Ventilation Option not available with electromechanical controls.

Model Number Description

75009416 REV C

Packaged Cooling
Digits 1 through 17

DIGIT 1 – Unit Function
T = DX Cooling

DIGIT 2 – Efficiency
H = High Efficiency

DIGIT 3 – Airflow
C = Convertible

DIGIT 4,5,6 – Nominal Gross Cooling Capacity (MBh)
072 = 6 Ton
074 = 6 Ton (Title 24 compliant)
092 = 7.5 Ton
102 = 8.5 Ton
120 = 10 Ton

DIGIT 7 – Major Design Sequence
E = R-410A Refrigerant
F = Microchannel Type Condenser Coils Coils (1)

DIGIT 8 –Unit Voltage
3 = 208-230/60/3
4 = 460/60/3

DIGIT 9 – Unit Controls
E = Electromechanical
R = ReliaTel™ Microprocessor

DIGITS 10 – Heating Capacity
0 = No Electric Heater
C = 9 kW
G = 18 kW
K = 27 kW
N = 36 kW
P = 54 kW

DIGIT 11 – Minor Design Sequence
A = First Sequence

DIGITS 12,13 – Service Sequence
** = First Sequence

DIGITS 14 – Fresh Air Selection
0 = No Fresh Air
A = Manual Outside Air Damper 0-50% (2)
B = Motorized Outside Air Damper 0-50% (3)
C = Economizer, Dry Bulb 0-100% without Barometric Relief (5)
D = Economizer, Dry Bulb 0-100% with Barometric Relief (5)
E = Economizer, Reference Enthalpy 0-100% without Barometric Relief (4) (5)
F = Economizer, Reference Enthalpy 0-100% with Barometric Relief (4) (5)
G = Economizer, Comparitive Enthalpy 0-100% without Barometric Relief (4) (5)
H = Economizer, Comparative Enthalpy 0-100% with Barometric Relief (4) (5)
K = Low Leak Economizer with Barometric Relief
M = Low Leak Economizer with Reference Enthalpy with Barometric Relief
P = Low Leak Economizer with Comparative Enthalpy with Barometric Relief

DIGIT 15 – Supply Fan/Drive Type/Motor
0 = Standard Drive (6)
1 = Oversize Motor
6 = Single Zone VAV (7) (8)
7 = Multi-Speed Indoor Fan (9)
E = VAV Supply Air Temperature Control Standard Motor (8)

DIGIT 16 – Hinged Service Access
0 = Standard Panels/Standard Filters
A = Hinged Access Panels/Standard Filters
B = Standard Panels/2" MERV Filters
C = Hinged Access Panels/2" MERV Filters
D = Standard Panels/2" MERV 13 Filters
E = Hinged Access Panels/2" MERV 13 Filters

DIGIT 17 – Condenser Coil Protection
0 = Standard Coil
1 = Standard Coil with Hail Guard
2 = Black Epoxy Pre-Coated Condenser Coil (10)
3 = Black Epoxy Pre-Coated Condenser Coil with Hail Guard (10)
4 = CompleteCoat™ Condenser Coil
5 = CompleteCoat™ Condenser Coil with Hail Guard

See Model Number Notes graphic for explanation of Notes (1) to (27)

Part No.	Reference No.	Quantity	Description
BAYCO2K101A	*	1	KIT; WALL MOUNT CO2 SENSOR KIT
BAYCO2K103A	*	1	KIT;DUCT MOUNT CO2 SENSOR KIT
BAYGARD141A	*	1	ACCESSORY; HAIL GUARD, MCHE COND COIL - D CAB
BAYHTRA309A	*	1	ELECTRIC HEATER; 240 VOLT, 6.8/9KW
BAYHTRA318A	*	1	ELECTRIC HEATER; 208/230-240/60/3, 13.5/18KW
BAYHTRA327A	*	1	ELECTRIC HEATER; 208/230-240/60/3, 20.3/27KW
BAYHTRA336A	*	1	ELECTRIC HEATER; 208/230-240/60/3, 27/36KW
BAYLMSW001A	*	1	POWER EXHAUST LIMIT SWITCH
BAYQACB011A	*	1	CURB; ADAPTA CURB (BAYQACB011AA), TRANSITIONS BAYCURB022B, 83.50 X 49.375
BAYQACB012A	*	1	CURB; ADAPTA CURB (BAYQACB012AA), TRANSITIONS BAYCURB025B, 90.50 X 60.625
BAYQACB013A	*	1	CURB; ADAPTA CURB (BAYQACB013AA), TRANSITIONS BAYCURB026B, 103.375 X 68.125
BAYRTEM001A	*	1	RELIATEL ECONOMIZER LOGIC MODULE
BAYTUBE401A	*	1	DISCHARGE AIR SENSING; ELECTRIC HEAT
BRD03177	*	1	RELIATEL COMMUNICATION INTERFACE; COMM3 & 4 PACKAGE UNITS (BAYICSI003AD) RTCI - FIELD KIT
CNT04875	*	1	CONTROL; EVAPORATOR DEFROST KIT (FROSTAT) (BAYLOAM020BB). (OPTIONS BOARD KIT09433-BAYABRD001CA MUST BE INSTALLED IN THE UNIT FOR THIS ACCESSORY TO OPERATE).
CRB00176	*	1	CURB; ROOFCURB (BAYCURB043AB)
DMP02176	*	1	DAMPER; 0-50% MANUAL OUTSIDE AIR DAMPER (BAYDMPR056BA)
DMP02840	*	1	DAMPER; BAROMETRIC RELIEF (BAYBARM011AB)
DMP02957	*	1	DAMPER; RELIATEL, 0-50 PERCENT MOTORIZED OUTSIDE AIR DAMPER (BAYDMPR054A)
ECN00123	*	1	ECONOMIZER; RELIATEL, 0-100% DRY BULB (BAYECON087A)
KIT08666	*	1	KIT; HIGH TEMPERATURE SENSOR (BAYFRST003A)
KIT09433	*	1	KIT; ACCESSORY, OPTIONS BOARD (BAYABRD001CA)
KIT13704	*	1	KIT; FAN FAILURE SWITCH (BAYDFPS004AB). (OPTIONS BOARD KIT09433-BAYABRD001CA MUST BE INSTALLED IN THE UNIT FOR THIS ACCESSORY TO OPERATE).
KIT13711	*	1	KIT; VENTILATION OVERIDE (BAYVNOR001BB) (OPTIONS BOARD KIT09433-BAYABRD001CA MUST BE INSTALLED IN THE UNIT FOR THIS ACCESSORY TO OPERATE).
KIT15159	*	1	KIT; CO2 SENSING (BAYCO2K001B)
KIT15160	*	1	KIT; CO2 DEMAND-CONTROLLED VENTILATION DUCT SENSOR (BAYCO2K003B)
KIT15161	*	1	KIT; REFERENCE ENTHALPY (BAYENTH005A)
KIT15162	*	1	KIT; COMPARATIVE ENTHALPY (BAYENTH006B)
KIT15163	*	1	KIT; POWER EXHAUST, 208/230V (BAYPWRX026A)
KIT15864	*	1	KIT; BACNET COMMUNICATION INTERFACE, RELIATEL (BCI-R KIT FIELD INSTALLATION KIT) (BABCIR001A)
KIT16268	*	1	KIT; EBM FAN CONTROL WITH RTOM BOARD FOR RELIATEL UNITS
KIT16777	*	1	KIT; RELIATEL COMMUNICATIONS INTERFACE THAT INCORPORATES LONTALK PROTOCAL (BAYLTCI002BB)
PLT02562	*	1	PLATE, SENSOR MOUNTING (BAYMTPL004AA)
PLT03127	*	1	PLATE; COMBINED MOUNTING PLATE AND ADAPTER PLATE (BAYMTPL003BA)
SEN00278	*	1	SENSOR; THERMISTOR PROBE, -40 DEG C TO 65 DEG, STRIPPED LEADS (BAYSENS016AA)
SEN00495	*	1	SENSOR; ZONE LEVEL 4 (BAYSENS013CA) ROOM SENSOR W/ OVERRIDE AND CANCEL BUTTONS
SEN00496	*	1	SENSOR; ZONE LEVEL 4 (TRANE). (BAYSENS014CA) ROOM SENSOR W/ TEMP. ADJUSTMENT WITH OVERRIDE AND CANCEL BUTTONS
SEN01430	*	1	SENSOR; TEMPERATURE, WIRELESS DISPLAY SENSOR/RECEIVER SET, W/ TRANE LOGO, SETPOINT, TOV
SEN01447	*	1	SENSOR; ZONE, ROOM SENSOR W/TEMP. ADJUSTMENT WITH OVERRIDE AND CANCEL BUTTONS, 10K, DIAL, OCCUPIED (BAYSENS074AA)
SEN01448	*	1	SENSOR; ZONE, REMOTE ROOM SENSOR, 10K (BAYSENS077AA)

Part No.	Reference No.	Quantity	Description
SEN01450	*	1	SENSOR; ZONE, ROOM SENSOR W/ OVERRIDE AND CANCEL BUTTONS, 10K, OCCUPIED (BAYSENS073AA)
SEN01513	*	1	SENSOR; ZONE; DUAL SETPOINT MANUAL OR AUTO CHANGOVER, TWO SET FAN SYSTEM (BAYSENS108AA)
SEN01515	*	1	SENSOR;ZONE SINGLE SETPOINT MANUAL CHANGEOVER, SET FAN SYSTEM, COOL/OFF/HEAT (BAYSENS106A)
SEN01522	*	1	SENSOR; ZONE, DUAL SETPOINT MANUAL OR AUTO CHANGEOVER W/SYSTEM FUNCTION LIGHTS TWO SET FAN SYSTEM, LED (BAYSENS110A)
SEN01577	*	1	SENSOR; PROGRAMMABLE ZONE, AUTOMATIC OR MANUAL CHANGEOVER W/ SYSTEM LIGHTS TRANE (BAYSENS119AA)
SEN02234	*	1	SENSOR; CO2 WALL MOUNT (BAYSENS251A)
THT00839	*	1	THERMOSTAT; REMOTE POTENTIOMETER, 60-90 DEG F (BAYSTAT023AA)
TOL00099	*	1	TOOL; RESISTANCE DECADE BOX