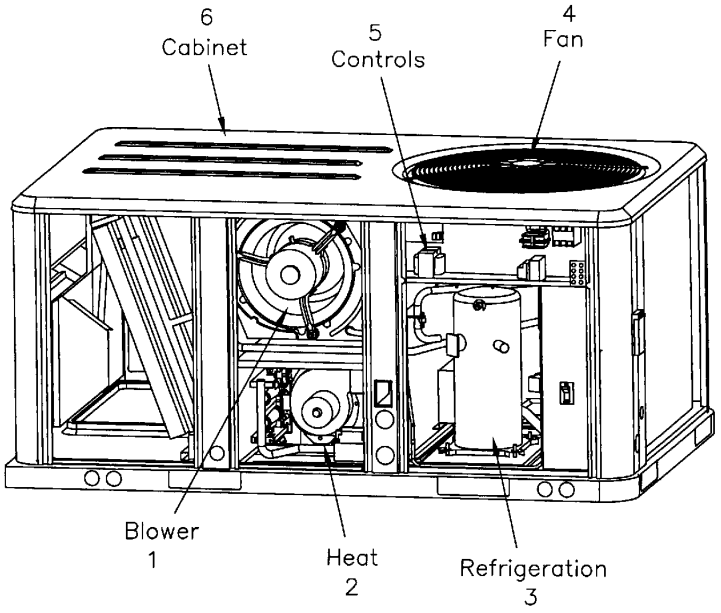
General Assembly

75006131 REV B

Typical illustration. Unit may not appear exactly as shown.



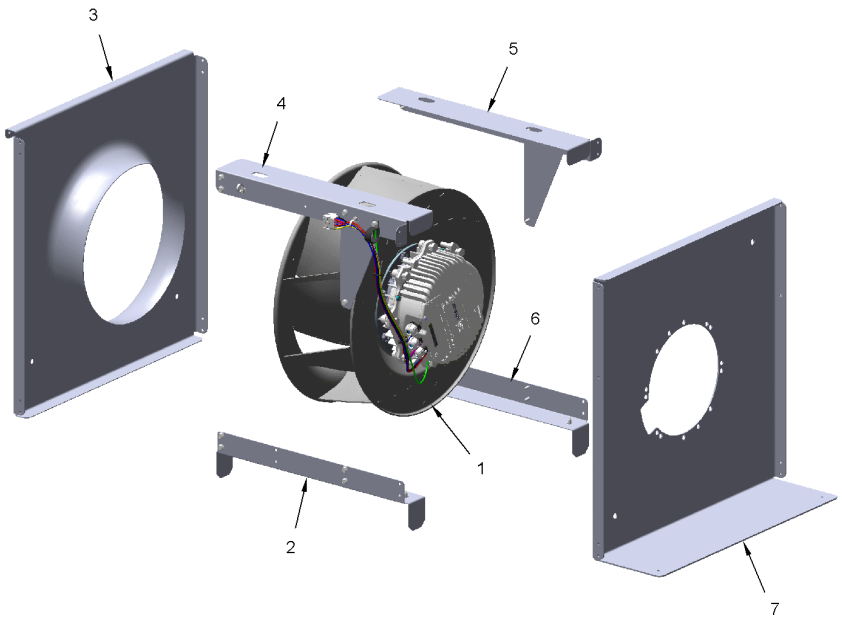
7 Sensors

View is determined by facing Appearance Nameplate

Part No.	Reference No.	Quantity	Description
75009291	1		BLOWER
75009709	3		REFRIGERATION
75010937	4		FAN
75009394	8		MODEL NUMBER DESCRIPTION, DIGITS 1-17
75009395	8		MODEL NUMBER DESCRIPTION, DIGITS 18-31
75009396	8		MODEL NUMBER NOTES
NGRAPHIC	9		OPTIONAL FIELD INSTALLED ACCESSORIES

BLOWER 75009291 REV B

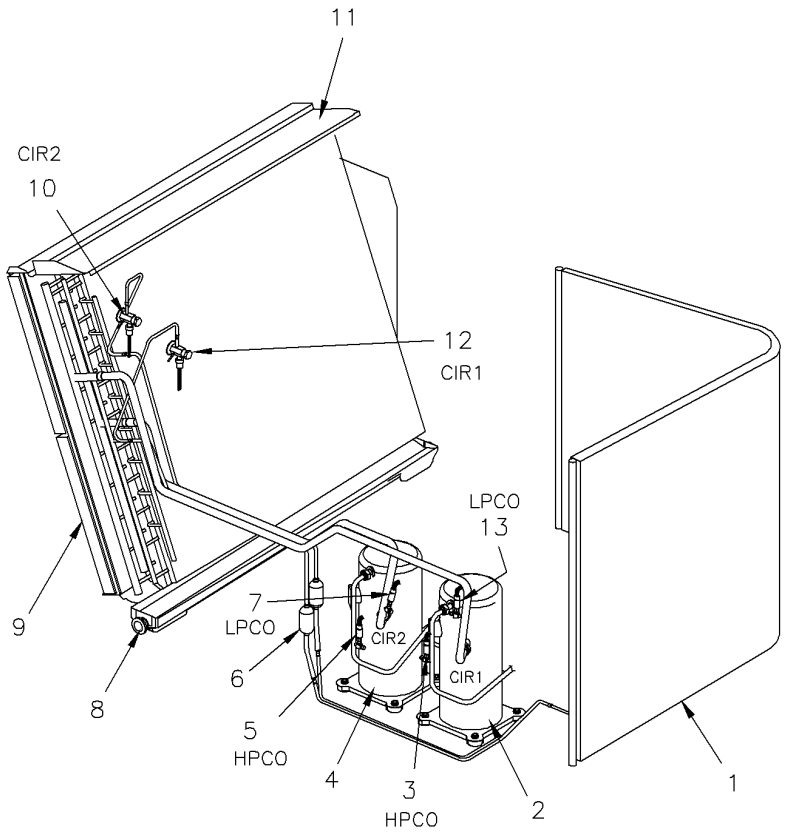
TYPICAL ILLUSTRATION



Part No.	Reference No.	Quantity	Description
CNT03511	*	1	CONTROL; LIMIT, 120F, AUTOMATIC RESET, SPST, NC, 15A/120VAC, 10A/240VAC, QC TERMINAL
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)
FAN04606	1	1	FAN; INDOOR FAN/BLOWER ASSEMBLY, DIRECT DRIVE, 380-480V, 3.75HP, AC, 50/60HZ, 3 PH, WITH WIRE 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

Refrigeration 75009709 REV A

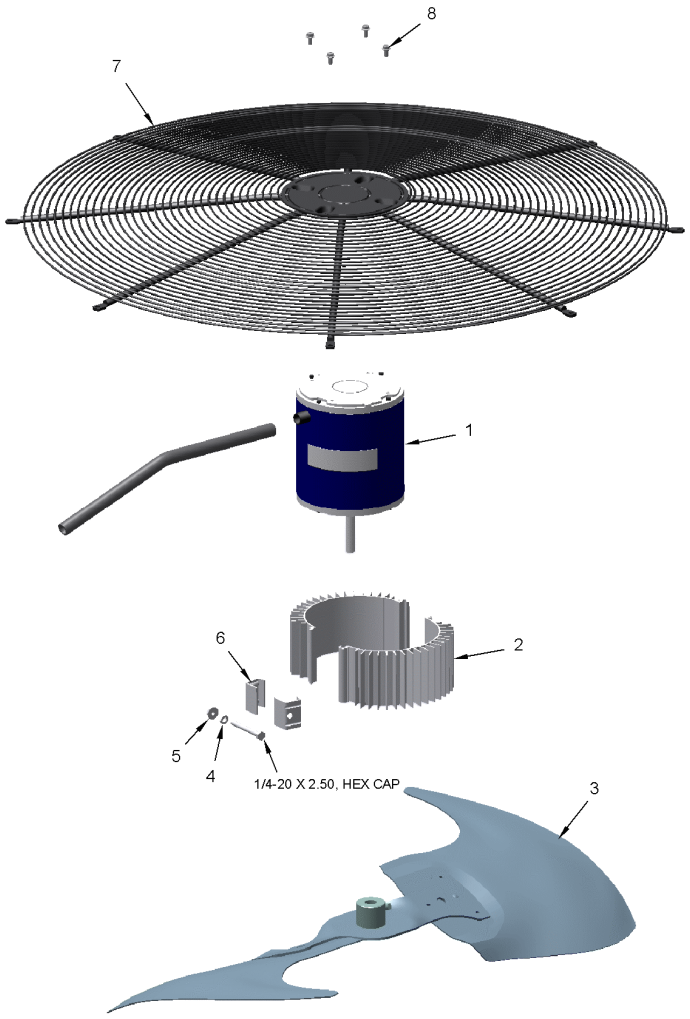
Typical illustration. Unit may not appear exactly as shown.



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	*	3	CAP; VALVE, SEAL, .25 FFL
COR00006	*	2	CORE; VALVE PORT, .79 LENGTH, .206-36 UNS 2A THD
HTR06512	*	1	HEATER; CRANKCASE, 70W, 575V (56W AT 460V), 6.5 DIA, 65/46 IN LEAD LENGTHS
HTR11910	*	1	HEATER; CRANKCASE, 40W, 575V, 5.5 IN DIA,18 AWG WITH TWO - 70 INCH 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
COM10053	2	1	COMPRESSOR; SCROLL, SXA054B4BPZ, 4.5 TON, 460/60/3, R410A
SWT03402	3	1	SWITCH; HIGH PRESSURE, BRAZED, OPENS AT 650 PSIG, CLOSES AT 550 PSIG, 61 INCH WHITE LEADS
COM10208	4	1	COMPRESSOR; SCROLL, SXA028C4BPZ, 2.25 TON, 460/60/3, 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

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
MOT10512	1	1	MOTOR; 3/4 HP, 460/380-415/60-50/1, 1100 RPM, CCW LEAD END, TYPE PSC, 48 FRAME, BALL BEARING, 10 MFD CPT AT 440V
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)

Model Number Notes

75009396 REV D

Packaged Gas/Electric YHC072 to YHC120

1. Optional on YHC072, Standard on YHC074F to YHC120F.
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. YHC072E,072F – Belt Drive Standard, 15=1 Optional. YHC074F,092E,092F,102E,102F,120E,120F – Ultra High Efficiency Direct Drive Plenum Fan is standard.
7. Single Zone VAV is only available on YHC074 to YHC120 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 YHC074 to YHC120 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. Through the base piping and shutoff (field assembly required).
13. Requires use of Disconnect or Circuit Breaker. Powered Convenience Outlet not available on High Efficiency 575V.
14. Novar is not available with SZVAV products.
15. Standard metering devices are TXVs.
16. Requires selection of 2" Pleated Filters (16=B or C)
17. Frostat cannot be field installed in electromechanical units.
18. High Pressure Control and Crankcase Heaters are standard on all units.
19. Frostat standard on Multi–Speed and SZVAV (Single Zone Variable Air Volume).
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

75009395 REV D

Packaged Gas/Electric YHC072E to YHC120E
Digits 18 through 27

DIGIT 18 – Through the Base Provisions
- 0 = No Through the Base Provisions
- A = Through the Base Electric (11)
- B = Through the Base Gas Piping
- C = Through the Base Electric and Gas Piping (12)

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 (13)

DIGIT 21 – Communications Options (4)
- 0 = No Communications Interface
- 1 = Trane Communications Interface
- 2 = LonTalk® Communications Interface
- 3 = Novar 2024 Controls (14)
- 4 = Novar 3051 Controls without Zone Sensor (14)
- 5 = Novar 3051 Controls Interface with DCV (14)
- 6 = BACnet® Communications Interface
- 7 = Air–Fi™ Wireless Communications

DIGIT 22 – Refrigeration System Option
- 0 = Standard Refrigeration System (15)
- B = Dehumidification Option (16)

DIGIT 23 – Refrigeration Controls
- 0 = No Refrigeration Control (17)
- 1 = Frostat (18) (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

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

Model Number Description

75009394

REV E

Packaged Gas/Electric YHC072 to YHC120
Digits 1 through 17

DIGIT 1 – Unit Function
Y = DX Cooling, Gas Heat

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 (1)

DIGIT 8 –Unit Voltage
3 = 208–230/60/3
4 = 460/60/3
W = 575/60/3

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

DIGITS 10 – Heating Capacity
L = Low Heat
M = Medium Heat
H = High Heat
X = Low Heat, Stainless Steel Heat Exchanger
Y = Medium Heat, Stainless Steel Heat Exchanger
Z = High Heat, Stainless Steel Heat Exchanger

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
BAYGARD141A	*	1	ACCESSORY; HAIL GUARD, MCHE COND COIL - D CAB
BAYLMSW001A	*	1	POWER EXHAUST LIMIT SWITCH
BAYTUBE400A	*	1	DISCHARGE AIR SENSING KIT; GAS HEAT
CRB00172	*	1	CURB; ADAPTA CURB (BAYQACB011AA), TRANSITIONS BAYCURB022B, 83.50 X 49.375
CRB00173	*	1	CURB; ADAPTA CURB (BAYQACB012AA), TRANSITIONS BAYCURB025B, 90.50 X 60.625
CRB00174	*	1	CURB; ADAPTA CURB (BAYQACB013AA), TRANSITIONS BAYCURB026B, 103.375 X 68.125
CRB00176	*	1	CURB; ROOFCURB (BAYCURB043AB)
DMP02176	*	1	DAMPER; 0-50% MANUAL OUTSIDE AIR DAMPER (BAYDMPR056BA)
DMP03539	*	1	DAMPER; 0-50 PERCENT MOTORIZED OUTSIDE AIR DAMPER, ELECTROMECHANICAL (BAYDMPR055B)
ECN00238	*	1	ECONOMIZER; ELECTROMECHANICAL, 0-100% DRY BULB (BAYECON088B)
KIT06658	*	1	KIT; ENTHALPY CONTROL (BAYENTH001AB)
KIT13711	*	1	KIT; VENTILATION OVERIDE (BAYVNOR001BB) (OPTIONS BOARD KIT09433-BAYABRD001CA MUST BE INSTALLED IN THE UNIT FOR THIS ACCESSORY TO OPERATE).
KIT15164	*	1	KIT; POWER EXHAUST, 460V (BAYPWRX027A)
KIT15623	*	1	KIT; LP CONVERSION (BAYLPKT029C)
KIT16189	*	1	KIT; EBM FAN CONTROL WITH ECM BOARD FOR ELECTROMECHANICAL UNITS
THT02773	*	1	THERMOSTAT; WALL MOUNT, NON-PROGRAMMABLE 3H/2C (BAYSTAT155A)
THT02774	*	1	THERMOSTAT; WALL MOUNT, PROGRAMMABLE 3H/2C, (BAYSTAT150AA)
THT02775	*	1	THERMOSTAT; PROGRAMABLE TOUCH SCREEN 3H/2C
TMR00140	*	1	TIMER; ANTISHORT CYCLE (BAYASCT001)