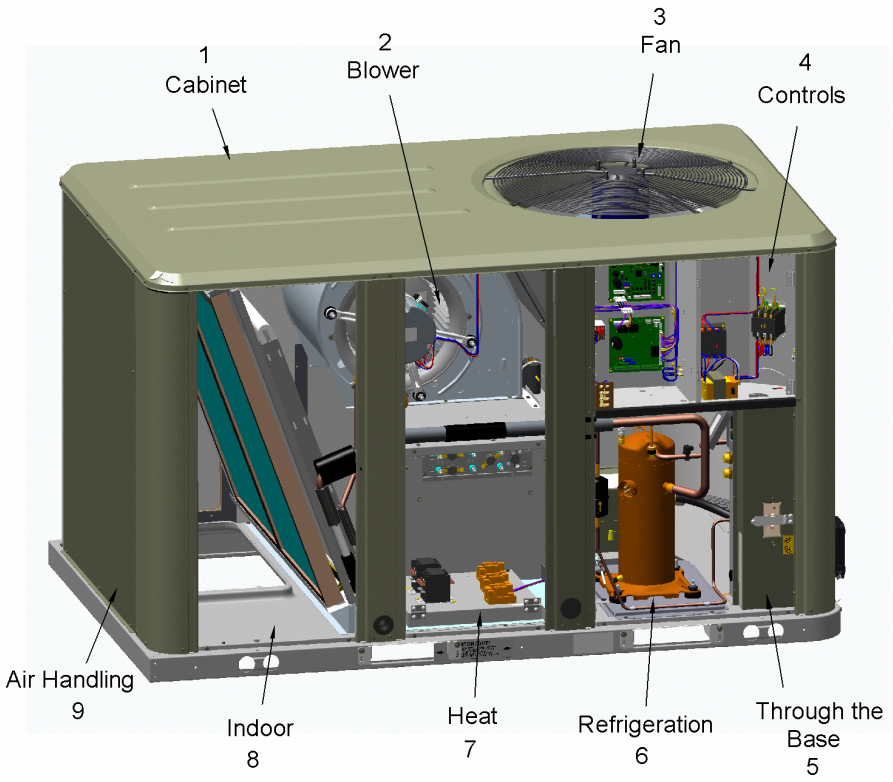
PACKAGED COOLING / HEAT PUMP

75011213

REV A

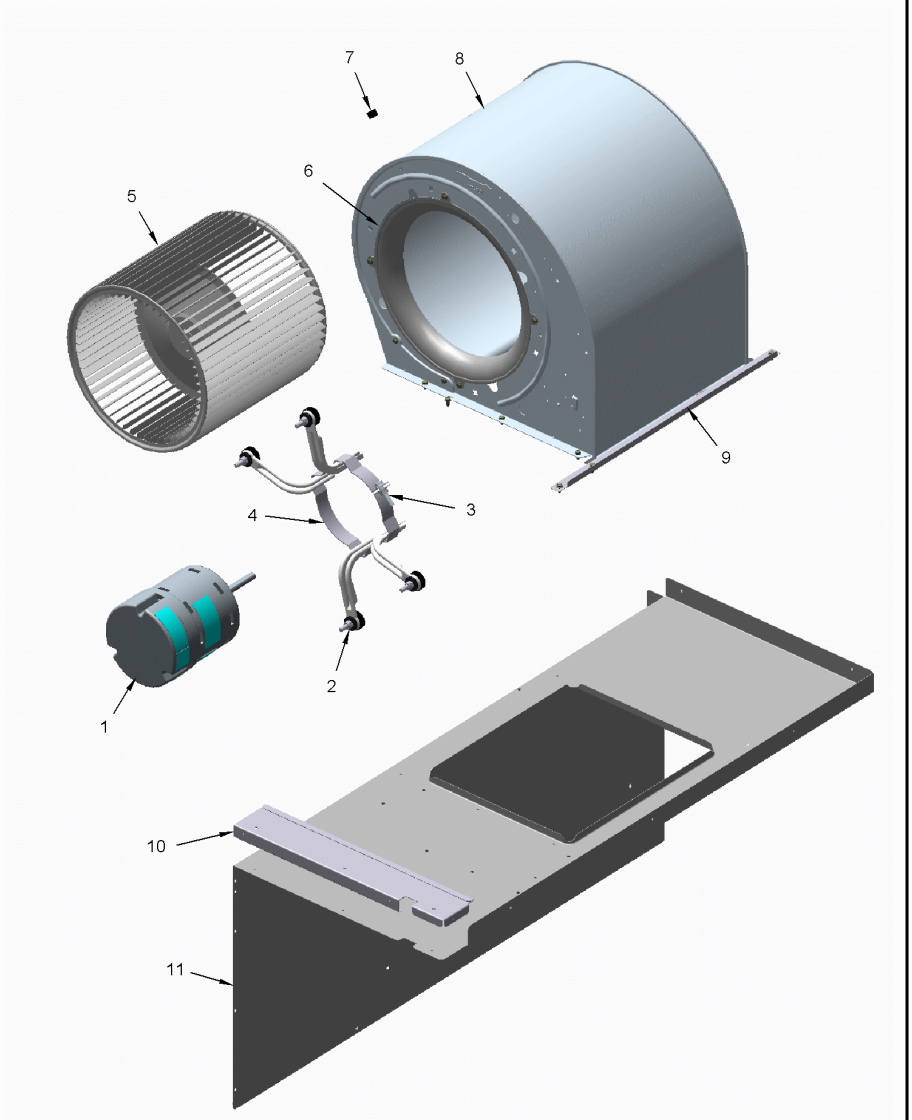
The sections that appear on this illustration are for all options.
Sections and options will appear in the Parts List if ordered with the unit.



This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
75011208	2		BLOWER
75011210	3		FAN
75011227	4		CONTROL PANEL
75010620	6		OUTDOOR AIR SENSOR
75011206	6		REFRIGERATION - COMPRESSOR, INDOOR/OUTDOOR COILS, FILTERS
75011215	8		FROSTAT
OPTIONS	10		OPTIONAL FIELD INSTALLED ACCESSORIES
75011255	11		MODEL NUMBER DESCRIPTION, DIGITS 1-17
75011256	11		MODEL NUMBER DESCRIPTION, DIGITS 18-31
75011257	11		MODEL NUMBER NOTES

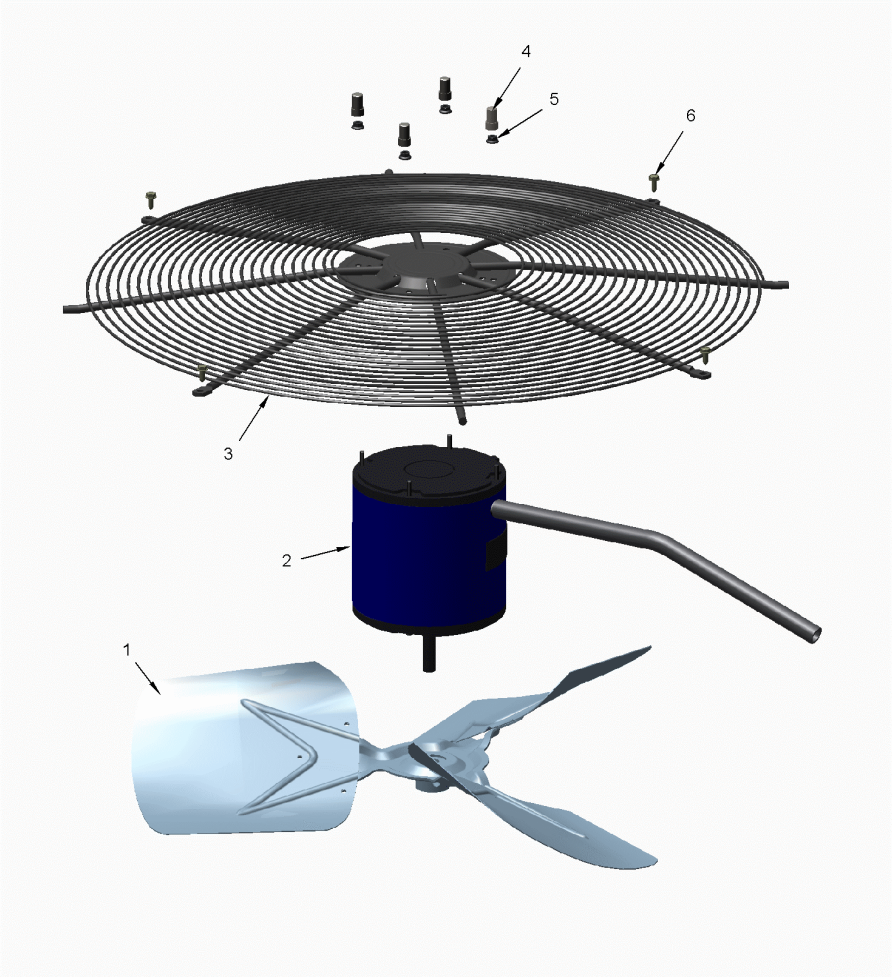
BLOWER 75011208 REV A



This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
SCR01623	*	17	SCREW; SHEET METAL, 10-16 UNC X 1/2, HIGH TORQUE, INDENT HEX-WASHER HEAD
MOT17202	1	1	MOTOR; CONTANT TORQUE, 1 HP, 460/50-60/1, CW, 48 FRAME, BALL BEARING
BRK03657	2	4	BRACKET; MOTOR ARM, INCLUDES GROMMET. (CONTAINS A QTY OF 4 BRACKETS)
NUT00355	2	4	NUT; HEX, LOCK, 5/16IN.-18
NUT00446	3	1	NUT; 0.31-18, HEX FLANGE-LOCK
BRK03232	4	1	BRACKET; MOTOR MOUNTING, 17.6 LENGTH (4 LEG)
WHL02168	5	1	WHEEL; FAN, 11.87 DIA X 11.93 W, .50 BORE, CCW, CONCAVE. INCLUDES 5/16-18 X 1/2 INCH SQH CUP PT SET SCREW.
ORF01304	6	1	ORIFICE; INLET RING, 10.38 ID
BUS00485	7	1	BUSHING; .62 MTG W/MAX .44 ID
HUS03676	8	1	HOUSING; BLOWER, 11 X 11
BRK04715	9	1	BRACKET; INDOOR FAN, 22.00L X 0.90W X 0.50H
BRK04716	10	1	BRACKET; FAN ACCESS PANEL, 17.13L X 3.16W X 1.0H
PNL33591	11	1	PANEL; HEAT WRAPPER, 42.23L X 19.00W X 19.25H, 14.63 X 12.18 OPENING

FAN 75011210 REV A



This is a typical illustration. The unit in the field may not appear exactly as shown.

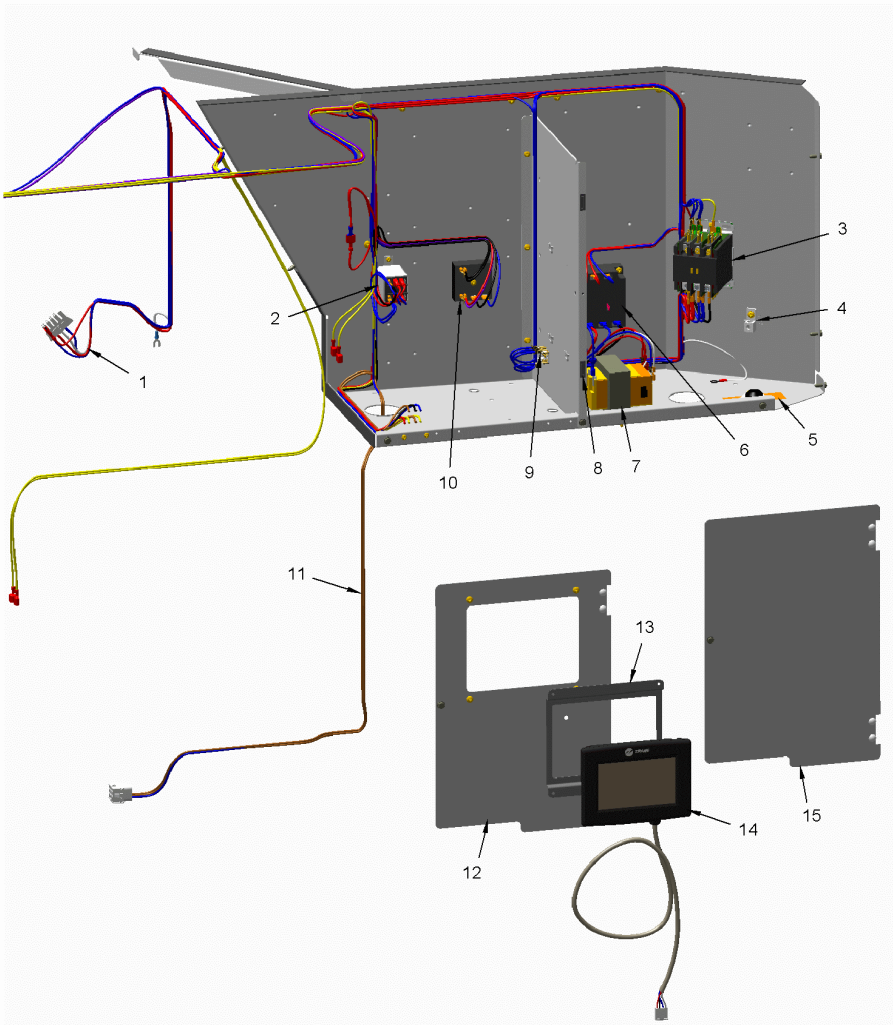
Part No.	Reference No.	Quantity	Description
FAN05568	1	1	PROPELLER; OD FAN - 22 INCH 3 BLADES
MOT17291	2	1	MOTOR; 3 PHASE 0.4 HP 460
GRL01332	3	1	GRILLE; FAN, 26.65 MTG HOLE DIAMETER
IRT00017	4	4	INSERT; BUMPER-STOP, 0.468 OD X 0.81 LG, BLACK RUBBER
NUT00845	5	4	NUT; FLANGE NIBBED
SCR01623	6	4	SCREW; SHEET METAL, 10-16 UNC X 1/2, HIGH TORQUE, INDENT HEX-WASHER HEAD

CONTROL PANEL

75011227

REV A

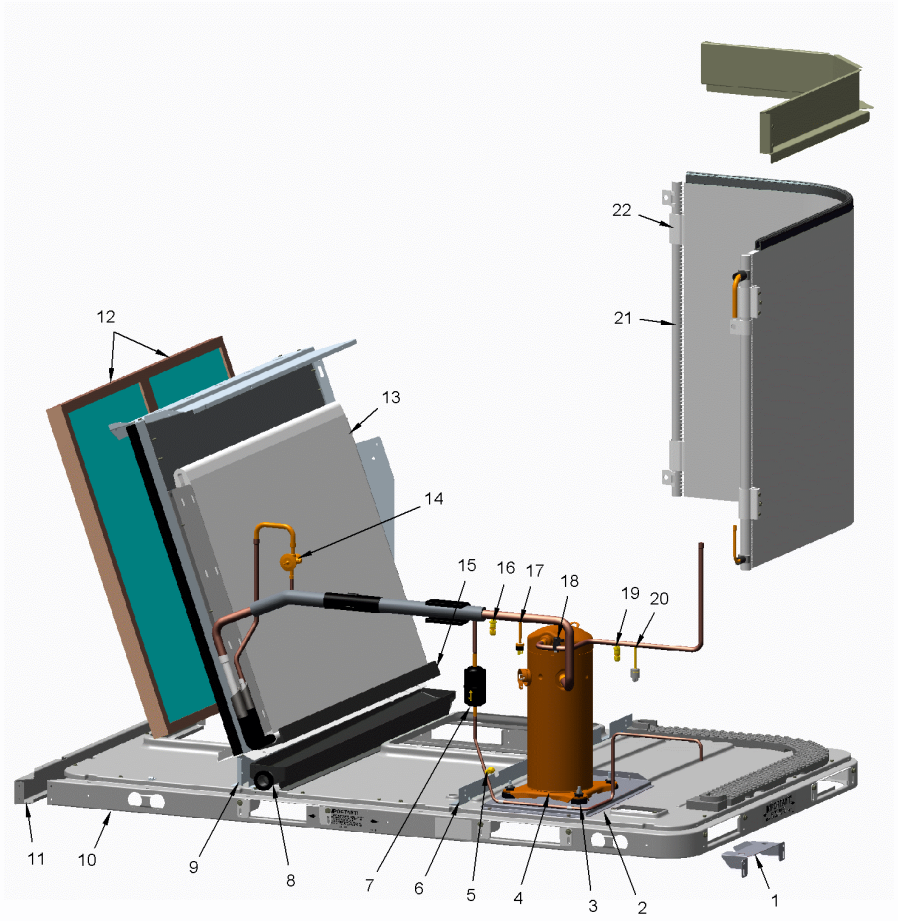
The parts that appear on this illustration are for all options.
Parts will appear in the Parts List if ordered with the unit.



This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
WIR03230	*	1	WIRE; HARNESS, CRANKCASE HEATER, W/CTL
WIR08183	1	1	WIRE; HARNESS, POWER, CONTROLS TO IDM
RLY03065	2	1	RELAY; DPDT, 5 AMPS AT 120/277 VAC, 24 VAC COIL, 750 RMS, COIL CLASS F
CTR01826	3	1	CONTACTOR; 3 POLE, 30 FLA, 24 VAC COIL, WITH LUGS
CON00077	4	1	CONNECTOR, ELECTRIC GROUND, 14-2 AWG SOLDERLESS
CNT01405	5	1	CONTROL; TEMP, OPEN 65F, CLOSE 55F, SPST
CNT05176	6	1	CONTROL; MONITOR, 3-PHASE LINE, UNIVERSAL 180-632 VAC, PHASE AND LOSS REVERSAL
TRR00826	7	1	TRANSFORMER; 75 VA, 460-575V PRI, 24V SEC
CAT00043	8	2	CATCH; MAGNETIC SNAP-IN
TER01680	9	1	TERMINAL STRIP; .25IN. FASTON
TMR00193	10	1	TIMER; SOLID STATE, DELAY ON BREAK, .25 MALE QC TERMINALS, 10 AMPS IN RUSH
WIR08175	11	1	WIRE; HARNESS, ELECTROMECHANICAL CONTROLS, COOL ONLY, INCLUDES TER01680 & (W14_PPM2 9 PIN PLUG, 8 IN YL WIRE)

REFRIGERATION 75011206 REV A



This is a typical illustration. The unit in the field may not appear exactly as shown.

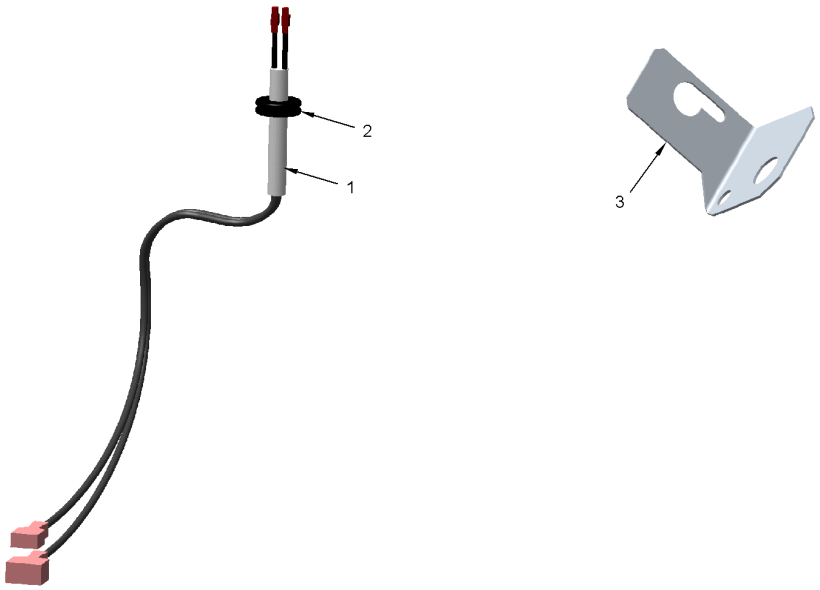
Part No.	Reference No.	Quantity	Description
BOF02425	*	1	BLOCKOFF; ID COIL TOP
BOF02426	*	1	BLOCKOFF; ID COIL - BOTTOM
HTR03436	*	1	HEATER; CRANKCASE 6.5 DIA, 40W, 575V, 45 INCH LEADS (32W AT 460V)
TOL05032	*	1	TOOL; FILTER REMOVAL
WIR03227	*	1	WIRE; PLUG, 30 IN LENGTH, FOR 230/60/3 OR 460/60/3 OR 575/60/3 SCROLL COMPRESSOR (RD,BL,BK WIRES)
BRK03274	1	4	BRACKET; BASE SUPPORT MOUNT, 10.3 LENGTH (FORKLIFT BRACKET)
PLT04187	2	1	PLATE; COMPRESSOR MOUNTING, 17.0 X 11.0
ISR00007	3	4	ISOLATOR; VIBRATION
NUT00355	3	4	NUT; HEX, LOCK, 5/16IN.-18
COM10211	4	1	COMPRESSOR; SCROLL; ALLIANCE; SXA049B4BPA, 4 TON, 460V/60/3, STUB TUBE, R-410A
COR00006	5	1	CORE; VALVE PORT, .79 LENGTH, .206-36 UNS 2A THD
VAL01483	5	1	VALVE; BODY, .44-20 THD X .25 ODS, STRAIGHT, BRASS, LESS CORE
ANG01323	6	1	ANGLE; TOGGLE LOCK, 41.93 X 1.80
DHY01511	7	1	DRIER; FILTER, LIQUID LINE, 5/16 ODM INLET X 5/16 ODF OUTLET, 8 CU INCH
RAL00873	10	1	RAIL; BASE, 69.8 X 44.2 (3 SIDES,U SHAPED)
RAL00874	11	1	RAIL; END, 44.0 LENGTH
COL25999	13	1	COIL; ASSEMBLY; INDOOR COIL, MC
VAL12335	14	1	VALVE; EXPANSION; TR6 5T
PAN03947	15	1	PAN; DRAIN, CONDENSATE REMOVAL, 39.47 L, ATTACHES TO BOTTOM OF THE ID COIL
CAP00072	16	1	CAP; VALVE, SEAL, .25 FFL
SET00819	16	1	SEAT; SADDLE MOUNT ASSEMBLY
STM00803	16	1	STEM; SADDLE MOUNT, VALVE CORE, BRASS, .344 DIA X 1.29 SCHRAEDER TYPE FITTING (TO INCLUDE 5 PIECES)
SWT03623	17	1	SWITCH; LOW PRESSURE CUTOUT, 250 OPEN, ACTUATION PRESSURE 55 +/- 5, RESET PRESSURE 35 +/- 5
WIR04406	17	1	WIRE; HARNESS, LOW PRESSURE SWITCH, 42 IN LENGTH, BLUE WIRES, CIR 1
THT02805	18	1	THERMOSTAT; WITH CLIP, .5/.625 TUBE, 38 IN, BLACK WIRES, SPST, 230F OPEN, 180F CLOSE
CAP00072	19	1	CAP; VALVE, SEAL, .25 FFL
SET00819	19	1	SEAT; SADDLE MOUNT ASSEMBLY
STM00803	19	1	STEM; SADDLE MOUNT, VALVE CORE, BRASS, .344 DIA X 1.29 SCHRAEDER TYPE FITTING (TO INCLUDE 5 PIECES)
SWT03398	20	1	SWITCH; HIGH PRESSURE, BRAZED, OPENS AT 650 PSIG, CLOSES AT 550 PSIG, 36 INCH WHITE LEADS

OUTDOOR AIR SENSOR

75010620

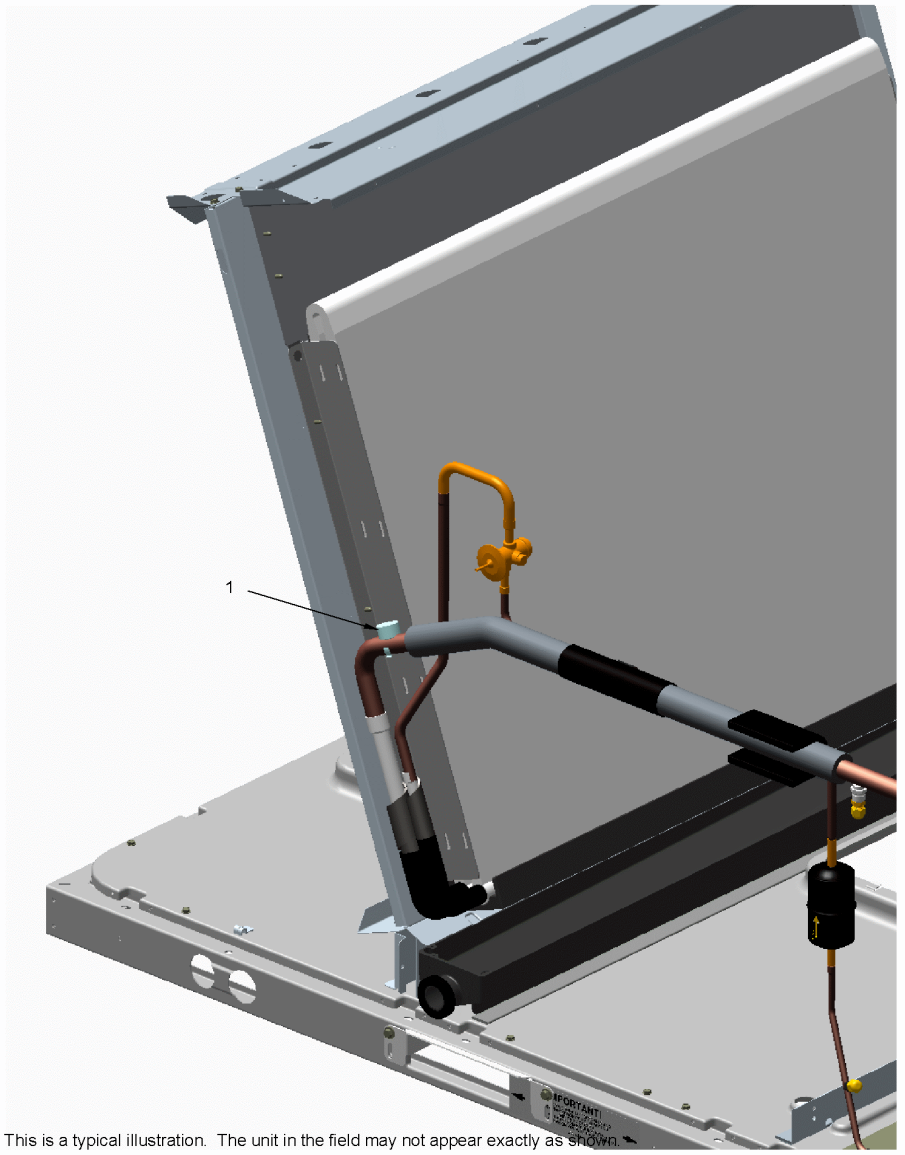
REV A

TYPICAL ILLUSTRATION



Part No.	Reference No.	Quantity	Description
SCR01623	*	4	SCREW; SHEET METAL, 10-16 UNC X 1/2, HIGH TORQUE, INDENT HEX-WASHER HEAD
SEN00275	1	1	SENSOR; THERMISTOR PROBE, -40 DEG C TO 65 DEG C, 12 INCH STRIPPED LEADS
GRM00039	2	1	GROMMET; RUBBER .25 ID X .05 GRV MLD
BRK04441	3	1	BRACKET; OUTDOOR AIR SENSOR

FROSTAT 75011215 REV A



This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
CNT07569	1	1	CONTROL; DEFROST, SPDT, 3

Part No.	Reference No.	Quantity	Description
BAYGARD137A	*	1	ACCY; PRECEDENT HAIL GUARD
BAYHTRE406C	*	1	6.0 KW/460/3/60 HEATER
BAYHTRE412C	*	1	12.0 KW/460/3/60 HEATER
BAYHTRE418C	*	1	17.4 KW/460/3/60 HEATER
BAYHTRE423C	*	1	HEATER; 23.0 KW/460/3/60 HEATER
BAYLMSW001A	*	1	POWER EXHAUST LIMIT SWITCH
BAYPWRX071A	*	1	POWER EXHAUST, 460V, FOR 3-5 TON T/W/YSC, D/T/W/YHC, T/YZC
BAYTUBE105A	*	1	KIT; DISCHARGE AIR SENSING, ELECTRIC HEAT, F CAB
CRB00170	*	1	CURB; ADAPTA CURB (BAYQACB009AA), TRANSITIONS BAYCURB021B, 78.125 X 43.875
CRB00171	*	1	CURB; ADAPTA CURB (BAYQACB010AA), TRANSITIONS BAYCURB022B, 77.625 X 46.875
CRB00175	*	1	CURB; ROOFCURB (BAYCURB042AB)
DMP02175	*	1	DAMPER; 0-50% MANUAL OUTSIDE AIR DAMPER (BAYDMPR053BA)
DMP02839	*	1	DAMPER; BAROMETRIC RELIEF (BAYBARM010AB)
DMP03538	*	1	DAMPER; 0-50 PERCENT MOTORIZED OUTSIDE AIR DAMPER, ELECTROMECHANICAL (BAYDMPR052B)
ECN00237	*	1	ECONOMIZER; ELECTROMECHANICAL, 0-100% DRY BULB (BAYECON086B)
KIT06658	*	1	KIT; ENTHALPY CONTROL (BAYENTH001AB)
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).
KIT15864	*	1	KIT; BACNET COMMUNICATION INTERFACE, RELIATEL (BCI-R KIT FIELD INSTALLATION KIT) (BABCIR001A)
SEN00435	*	1	SENSOR; ZONE LEVEL 4 (BAYSENS017BB) REMOTE ROOM SENSOR
SEN00496	*	1	SENSOR; ZONE LEVEL 4 (TRANE). (BAYSENS014CA) ROOM SENSOR W/ TEMP. ADJUSTMENT WITH OVERRIDE AND CANCEL BUTTONS
SEN01287	*	1	SENSOR; 6" THERM DUCT/IMM TEMPERATURE (BAYSTAT170A)
SEN01448	*	1	SENSOR; ZONE, REMOTE ROOM SENSOR, 10K (BAYSENS077AA)
TMR00140	*	1	TIMER; ANTISHORT CYCLE (BAYASCT001)

MODEL NUMBER DESCRIPTION

75011255

REV A

Precedent Cooling and Gas/Electric

Example Model Number:

YSC063G4RHA0AG0C1C2B203DHC100F1

1 - - - 5 - - - - 10 - - - - 15 - - - - 20 - - - - 25 - - - - 30 -

Digit 1 – Unit Type
T = DX Cooling
Y = DX Cooling, Gas Heat

Digit 2 – Efficiency
S = Standard Efficiency

Digit 3 – Airflow
C = Convertible

Digits 4,5,6 – Nominal Gross Cooling Capacity (MBh)
033 = 3 Ton (13 SEER)
036 = 3 Ton
043 = 4 Ton (13 SEER)
048 = 4 Ton
060 = 5 Ton
063 = 5 Ton (13 SEER)

Digit 7 – Major Design Sequence
G = Microchannel Type Evaporator and Condenser Coils

Digit 8 – Voltage Selection
3 = 208-230/60/3
4 = 460/60/3
W = 575/60/3

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

Digit 10 – Heating Capacity
0 = No Electric Heat
B = 6 kW (3 phase)
E = 12 kW (3 phase)
G = 18 kW (3 phase)
J = 23 W (3 phase)
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
** = Factory Assigned

Digit 14 – Fresh Air Selection
0 = No Fresh Air
A = Manual Outside Air Damper 0-50% (1)
B = Motorized Outside Air Damper 0-50%
C = Economizer, Dry Bulb 0-100% without Barometric Relief (2)
D = Economizer, Dry Bulb 0-100% with Barometric Relief (2)
E = Economizer, Reference Enthalpy 0-100% without Barometric Relief (2,3)
F = Economizer, Reference Enthalpy 0-100% with Barometric Relief (2,3)
G = Economizer, Comparative Enthalpy 0-100% without Barometric Relief (2,3)
H = Economizer, Comparative Enthalpy 0-100% with Barometric Relief (2,3)
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

Digits 15 – Supply Fan/Drive Type/Motor
0 = Multi Speed Direct Drive Motor
1 = Oversized Motor

Digit 16 – Hinged Service Access/Filters
0 = Standard Panels/Standard Filters
A = Hinged Access Panels/Standard Filters
B = Standard Panels/2" MERV 8 Filters
C = Hinged Access Panels/2" MERV 8 Filters
D = Standard Panels/2" MERV 13 Filters
E = Hinged Access Panels/2" MERV 13 Filters

Digit 17 – Condenser Coil Protection (4)
0 = Standard Coil
1 = Standard Coil with Hail Guard
4 = CompleteCoat Condenser Coil
5 = CompleteCoat Condenser Coil with Hail Guard

MODEL NUMBER DESCRIPTION

75011256

REV A

Precedent Cooling and Gas/Electric

Example Model Number:

YSC063G4RHA0AG0C1C1B203DHC100F1

1 - - - 5 - - - - 10 - - - - 15 - - - - 20 - - - - 25 - - - - 30 -

Digit 18 – Through the Base Provisions
- 0 = No Through-the-Base Provisions
- A = Through-the-Base Electric (5)
- B = Through-the-Base Gas Piping (6)
- C = Through-the-Base Electric and Gas Piping (6)

Digit 19 – Disconnect/Circuit Breaker
- 0 = No Disconnect/No Circuit Breaker
- 1 = Unit Mounted Non-Fused Disconnect (5)
- 2 = Unit Mounted Circuit Breaker (5)

Digit 20 – Convenience Outlet
- 0 = Convenience Outlet
- A = Unpowered Convenience Outlet
- B = Powered Convenience Outlet (7)

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

Digit 22 – Refrigeration System Option
- 0 = Standard Refrigeration System (8)

Digit 23 – Refrigeration Controls
- 0 = Without Refrigeration Controls (9)
- 1 = Frostat™ (10)
- 2 = Crankcase Heater
- 3 = Frostat™ (10) and Crankcase Heater

Digit 24 – Smoke Detector (11)
- 0 = No Smoke Detector
- A = Return Air Smoke Detector (12,13)
- B = Supply Air Smoke Detector
- C = Supply and Return Air Smoke Detectors (12,13)
- D = Plenum Smoke Detector

Digit 25 – System Monitoring Controls (14)
- 0 = No Monitoring System
- 1 = Clogged Filter Switch
- 2 = Fan Failure Switch
- 3 = Discharge Air Sensing Tube
- 4 = Clogged Filter Switch and Fan Failure Switch
- 5 = Clogged Filter Switch and Discharge Air Sensing Tube
- 6 = Fan Failure Switch and Discharge Air Sensing Tube
- 7 = Clogged Filter Switch, Fan Failure Switch and Discharge Air Sensing Tube
- 8 = Novar Return Air Sensor (NOVAR 2024) (15)
- 9 = Novar Zone Temp Sensor (NOVAR 3051) (16)
- A = Condensate Drain Pan Overflow Switch
- B = Clogged Filter Switch and Condensate Drain Pan Overflow Switch
- C = Fan Failure Switch and Condensate Drain Pan Overflow Switch
- D = Discharge Air Sensing and Condensate Drain Pan Overflow Switch
- E = Clogged Filter Switch, Fan Failure Switch, and Condensate Drain Pan Overflow Switch
- F = Clogged Filter Switch, Discharge Air Sensing, and Condensate Drain Pan Overflow Switch
- G = Fan Failure Switch, Discharge Air Sensing and Condensate Drain Pan Overflow Switch
- H = Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing,and Condensate Drain Pan Overflow Switch

Digit 26 – System Monitoring Controls
- 0 = No Monitoring Controls
- A = Demand Control Ventilation (CO_2) (17)
- B = Low Leak Economizer with FDD (Fault Detection & Diagnostics)
- C = FDD (Fault Detection & Diagnostics) with DCV (Demand Control Ventilation)

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

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

MODEL NUMBER NOTES

75011257

REV A

Precedent Cooling and Gas/Electric

Example Model Number:

YSC063G4RHA0AG0C1C2B203DHC100F1

1 - - - 5 - - - - 10 - - - - 15 - - - - 20 - - - - 25 - - - - 30 -

Model Number Notes

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

(2) 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 a field installed accessory.

(3) Not available with Electromechanical controls.

(4) Epoxy coil and epoxy with hailguard option not available for units with microchannel Coils.

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

(6) Includes gas piping and shutoff (field assembly required). *Digits 18=B,C applicable to Digit 1,Y models only .*

(7) Requires use of Disconnect or Circuit Breaker.

(8) Standard metering devices are TXVs.

(9) High pressure control is standard on all units

(10) Frostat™cannot be field installed in electromechanical units. Frostat ™is standard on Y/TSC033 to 063G electromechanical units.

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

(12) 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.

(13) Return air smoke detector cannot be ordered with Novar controls.

(14) The Clogged Filter Switch, Fan Failure Switch and Discharge Air Sensing Tube are standard when ordering Novar controls.

(15) The Clogged Filter Switch, Fan Failure Switch and Discharge Air Sensing Tube are ordering Novar controls.

(16) Novar sensor utilized with 21=(4) Novar 3051 controls without zone sensor.

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