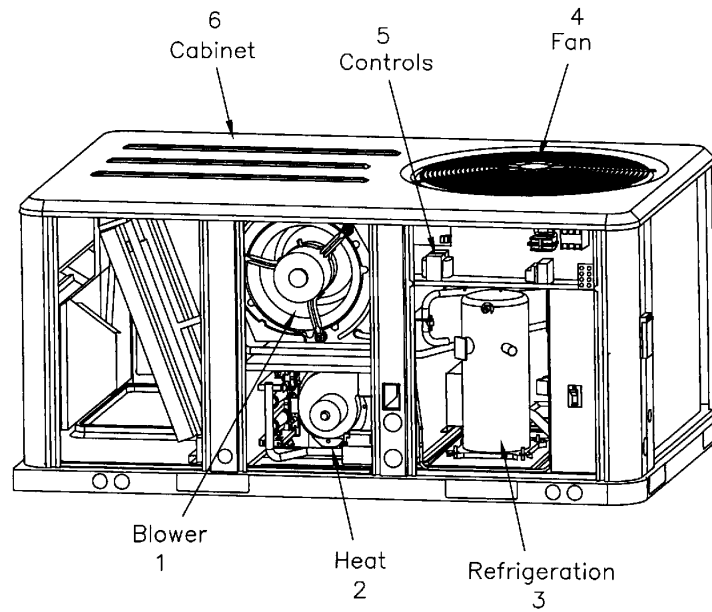


General Assembly

75006131

REV
B

Typical illustration. Unit may not appear exactly as shown.



7 Sensors

View is determined by facing Appearance Nameplate

Parts List Number :YHCUP8

Model Number :YHC067E3RHA0000

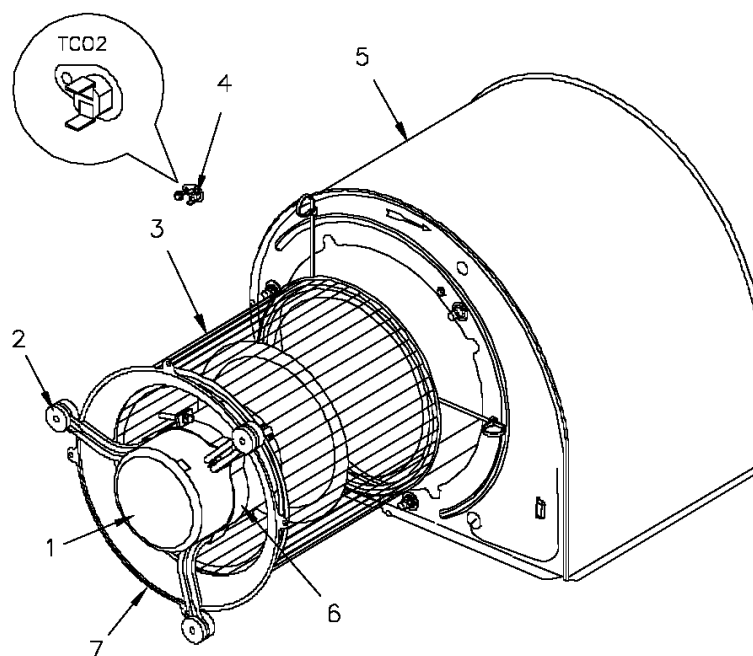
Part No.	Reference No.	Quantity	Description
75008620	1		BLOWER
75008463	3		REFRIGERATION
75006103	4		FAN
75010001	8		MODEL DESCRIPTION DIGITS 1-17
75010002	8		MODEL DESCRIPTION DIGITS 18-25
75010003	8		MODEL DESCRIPTION DIGITS 26-31 & AND NOTES
OPTIONS	9		OPTIONAL FIELD INSTALLED ACCESSORIES

Blower

75008620

REV
A

Typical illustration. Unit may not appear exactly as shown.



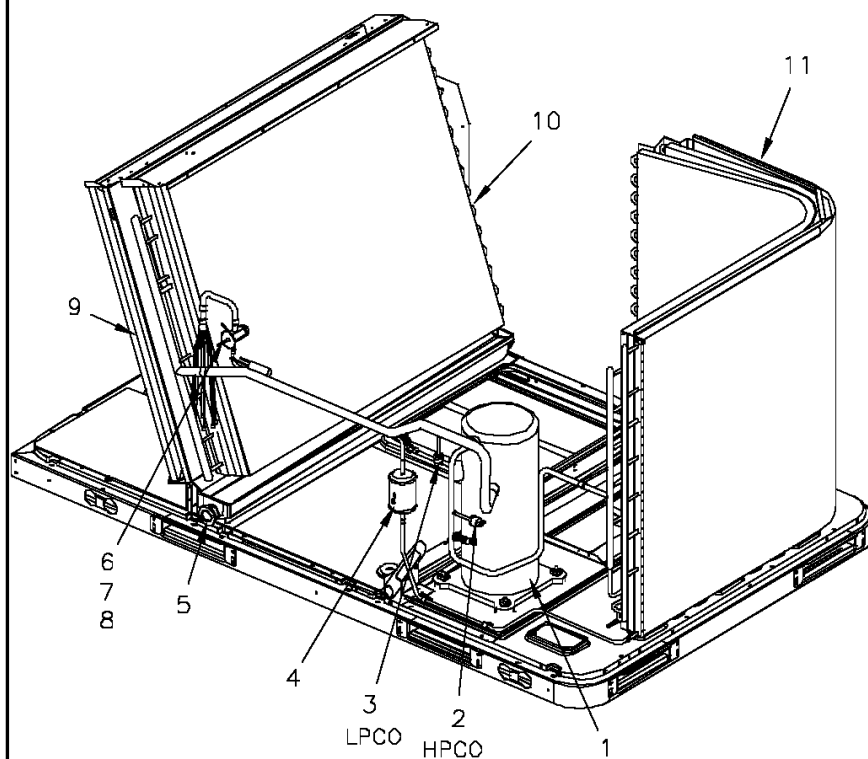
Part No.	Reference No.	Quantity	Description
BLT00265	*	3	BOLT, .31-18 X .62 LG.
BUS00485	*	1	BUSHING; .62 MTG W/MAX .44 ID
NUT00355	*	4	NUT; HEX, LOCK, 5/16IN.-18
NUT00446	*	1	NUT; 0.31-18, HEX FLANGE-LOCK
SCR01623	*	14	SCREW; SHEET METAL, 10-16 UNC X 1/2, HIGH TORQUE, INDENT HEX-WASHER HEAD
MOT14314	1	1	MOTOR; ECM, 1.0 HP, 1050 RPM, 208-230/60/1, CW, 48 FRAME, BALL BEARING
BRK03657	2	4	BRACKET; MOTOR ARM, INCLUDES GROMMET. (CONTAINS A QTY OF 4 BRACKETS)
WHL02168	3	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.
CNT03511	4	1	CONTROL; LIMIT, 120F, AUTOMATIC RESET, SPST, NC, 15A/120VAC, 10A/240VAC, QC TERMINAL
HUS03676	5	1	HOUSING; BLOWER, 11 X 11
BRK03232	6	1	BRACKET; MOTOR MOUNTING, 17.6 LENGTH (4 LEG)
ORF01304	7	1	ORIFICE; INLET RING, 10.38 ID

Refrigeration

75008463

REV
A

Typical illustration. Unit may not appear exactly as shown.



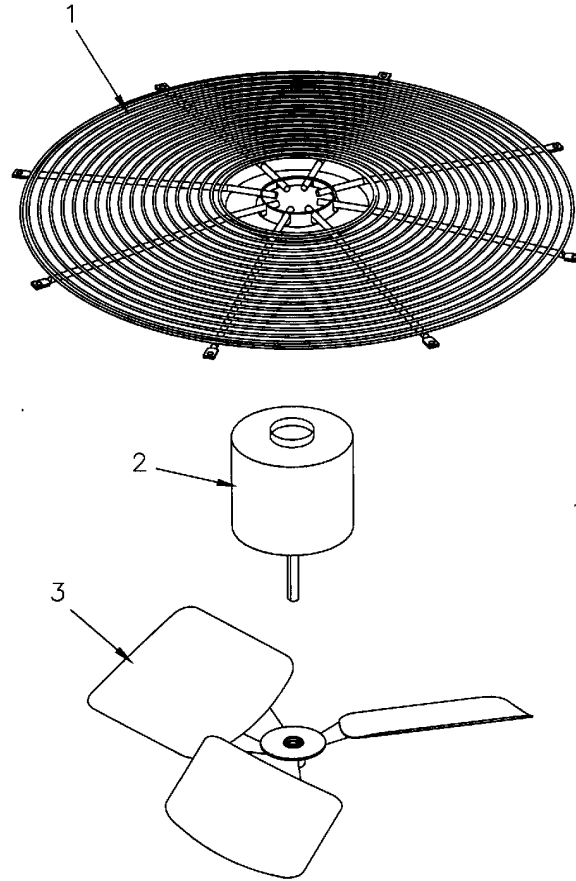
Part No.	Reference No.	Quantity	Description
BRK03095	*	2	BRACKET; FILTER RETAINER, 47.70 IN LENGTH
BRK03096	*	1	BRACKET; FILTER STOP, 31.97 X 3.00
BRK03098	*	1	BRACKET; TOP, INDOOR COIL MOUNT, 6 IN LENGTH
BRK03274	*	2	BRACKET; BASE SUPPORT MOUNT, 10.3 LENGTH (FORKLIFT BRACKET)
BRK03275	*	1	BRACKET; COMPRESSOR SUPPORT (3 SIDES)
BRK03938	*	1	BRACKET; FILTER CHANNEL, 50.50 LENGTH
CAP00072	*	2	CAP; VALVE, SEAL, .25 FFL
HTR06511	*	1	HEATER; CRANKCASE, 70W, 230V, 6.5 DIA, 65/46 IN LEAD LENGTHS
ISR00007	*	4	ISOLATOR; VIBRATION
KIT08039	*	1	KIT; GROMMETS. COMPRESSOR MOUNTING. (CONSISTS OF 4), 0.44 ID X 1.63 OD NEOPRENE RUBBER-BLACK 45-55 DUROMETER
NUT00355	*	4	NUT; HEX, LOCK, 5/16IN.-18
NUT00890	*	4	NUT; PALLET, 5/16-18 UNC 2B THD.
PLT03619	*	1	PLATE; MOUNTING, COMPRESSOR, 34.56 X 14.30
PLU01171	*	1	PLUG; HARNESS, COMPRESSOR, 2 STAGE SOLENOID
SET00819	*	2	SEAT; SADDLE MOUNT ASSEMBLY
STM00803	*	2	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
THT02805	*	1	THERMOSTAT; WITH CLIP, .5/.625 TUBE, 38 IN, BLACK WIRES, SPST, 230F OPEN, 180F CLOSE
WIR03438	*	1	WIRE; HARNESS, COMPRESSOR, 12 AWG, CC1, 46 IN LENGTH (3 WIRE-RD,BL,BK)
WIR04406	*	1	WIRE; HARNESS, LOW PRESSURE SWITCH, 42 IN LENGTH, BLUE WIRES, CIR 1
COM10219	1	1	COMPRESSOR; SCROLL, TXA049C3BPZ, 4.1 TON, 200-230/60/3, R410A
SWT03398	2	1	SWITCH; HIGH PRESSURE, BRAZED, OPENS AT 650 PSIG, CLOSES AT 550 PSIG, 36 INCH WHITE LEADS
SWT03173	3	1	SWITCH; LOW PRESSURE CUTOUT, 250 OPEN, ACTUATION PRESSURE 41 +/- 4, RESET PRESSURE 25 +/- 4
DHY01287	4	1	FILTER DRIER; LIQUID LINE, 5/16 ODM INLET X 5/16 ODF OUTLET
PAN02916	5	1	PAN; DRAIN, 52 INCH LENGTH, BLACK POLYCARBONATE, GASKETS INCLUDED
TUB12956	6	1	TUBE; ASSEMBLY, INDOOR EXPANSION VALVE
VAL10191	7	1	VALVE; EXPANSION, .31 ODF X .50 ODF, BI-FLOW (5 TON), NON ADJUSTABLE, 82.0 SUPERHEAT SET POINT

Fan

75006103

REV
A

Typical illustration. Unit may not appear exactly as shown.



Part No.	Reference No.	Quantity	Description
SCR01996	*	4	SCREW; #10-32 THREAD FORMING, IND 5/16 HEX FLG WASHER HEAD, .438/.408 LENGTH, W/GERNIBS TAPTITE II (4 PER BAG)
GRL01353	1	1	GRILLE; OUTDOOR FAN, 30.33 MTG DIA
MOT10340	2	1	MOTOR; OD FAN, 2/5 HP, 208-230/60/1, 200/50/1, 1115/950 RPM, CCW LEAD END, 48 FRAME, SLEEVE BEARINGS, 7.5 MFD CPT AT 370V
FAN03769	3	1	FAN; 3 BLADE, 26 IN DIA, 22 DEG PITCH, CCW, 1/2 BORE

Model Number Description and Notes 75010003

REV
B

Packaged Gas/Electric – YHC037E to YHC067E
 Digits 26, 27 & 31, and Model Number Notes

DIGIT 26 – System Monitoring Controls

0 = No Monitoring Controls
 A = Demand Control Ventilation (CO₂) (18)
 B = Fault Detection Device (FDD)
 C = DCV + FDD

DIGIT 31 – Advanced Unit Controls

0 = Standard Unit Controls
 1 = Human Interface

DIGIT 27 – Unit Hardware Enhancements

0 = No Enhancements
 1 = Stainless Steel Drain Pan

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 field installed accessory.
- ③ Constant CFM direct drive is standard for 3–5 Ton variable stage units. Digit 15 = 0,6 3 phase–High Efficiency Constant CFM
- ④ Discharge Air Sensing is also standard equipment on units with Single Zone and Supply Air Temperature Control VAV.
- ⑤ Through the base electric required when ordering disconnect/circuit breaker options.
- ⑥ Includes gas piping and shutoff (field assembly required).
- ⑦ Requires use of Disconnect or Circuit Breaker. Powered Convenience Outlet not available on High Efficiency 575V.
- ⑧ Standard metering devices are TXVs.
- ⑨ Requires selection of 2" Pleated Filters (option B or C) for Digit 16.
- ⑩ High Pressure Control and Crankcase Heater is standard.
- 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 part 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 This option is standard when ordering Novar Controls.
- ⑮ This option is used when ordering Novar Controls.
- ⑯ Novar is not available with SZVAV products.
- ⑰ Novar Sensor utilized with Digit 21=(4) Novar 3051 Controls without Zone Sensor.
- ⑱ Demand Control Ventilation Option requires wiring only. The CO₂ Sensor is a field–installed only option.

Model Number Description		75010002	REV A
Packaged Gas/Electric – YHC037E to YHC067E Digits 18 through 25			
DIGIT 18 – Through the Base Provisions		DIGIT 25 – Monitoring Controls	
0 = No Through the Base Provisions		0 = No Monitoring Control	
A = Through the Base Electric ⑤		1 = Clogged Filter Switch⑭	
B = Through the Base Gas Piping⑥		2 = Fan Failure Switch⑬	
C = Through the Base Electric and Gas Piping ⑥		3 = Discharge Air Sensing Tube⑭	
DIGIT 19 – Disconnect/Circuit Breaker		4 = Clogged Filter Switch and Fan Failure Switch⑬	
0 = No Disconnect/No Circuit Breaker		5 = Clogged Filter Switch and Discharge Air Sensing Switch⑭	
1 = Unit Mounted Non–Fused Disconnect ⑤		6 = Fan Failure Switch and Discharge Air Sensing Tube ⑬	
2 = Unit Mounted Circuit Breaker ⑤		7 = Clogged Filter Switch, Fan Failure Switch and Discharge Air Sensing Tube ⑬	
DIGIT 20 – Convenience Outlet		8 = Novar Return Air Sensor (NOVAR 2024) ⑬ ⑭	
0 = No Convenience Outlet		9 = Novar Zone Temp Sensor (NOVAR 3051) ⑬ ⑭	
A = Unpowered Convenience Outlet		A = Condensate Drain Pan Overflow Switch	
B = Powered Convenience Outlet ⑦		B = Clogged Filter Switch and Condensate Drain Pan Overflow Switch	
DIGIT 21 – Communications Options		C = Fan Failure Switch and Condensate Drain Pan Overflow Switch	
0 = No Communications Interface		D = Discharge Air Sensing and Condensate Drain Pan Overflow Switch	
1 = Trane Communications Interface		E = Clogged Filter Switch, Fan Failure Switch and Condensate Drain Pan Overflow Switch	
2 = LonTalk® Communications Interface		F = Clogged Filter Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch	
3 = Novar 2024 Controls		G = Fan Failure Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch	
4 = Novar 3051 Controls w/o Zone Sensor		H = Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch	
5 = Novar 3051 Controls Interface with DCV			
6 = BACnet® Communications Interface			
7 = Air-Fi™ Wireless Communications			
DIGIT 22 – Refrigeration System Option			
0 = Standard Refrigeration System ⑧			
B = Dehumidification Option⑨			
DIGIT 23 – Refrigeration Controls			
0 = No Refrigeration Control ⑩			
1 = Froststat			
DIGIT 24 – Smoke Detector ①			
0 = No Smoke Detector			
A = Return Air Smoke Detector⑫ ⑬			
B = Supply Air Smoke Detector			
C = Supply and Return Air Smoke Detectors ⑫ ⑬			
D = Plenum Smoke Detector			
See <u>Model Number Notes</u> graphic for explanation of Notes① to ⑮			

Model Number Description		75010001	REV B
Packaged Gas/Electric – YHC037E to YHC067E Digits 1 through 17			
DIGIT 1 – Unit Function Y = DX Cooling, Gas Heat	DIGITS 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 F = Economizer, Reference Enthalpy 0–100% with Barometric Relief ② G = Economizer, Comparative Enthalpy 0–100% without Barometric Relief ② H = Economizer, Comparative Enthalpy 0–100% with Barometric Relief ② 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 2 – Efficiency H = High Efficiency	DIGIT 15 – Supply Fan/Drive Type/Motor 0 = Standard Drive ③ 6 = Single Zone VAV ④ E = VAV Supply Air Temperature Control Standard Motor ④		
DIGIT 3 – Airflow C = Convertible	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 4,5,6 – Nominal Gross Cooling Capacity (MBh) 037 = 3 Ton 047 = 4 Ton 067 = 5 Ton	DIGIT 17 – Condenser Coil Protection 0 = Standard Coil 1 = Standard Coil with Hail Guard 2 = Epoxy Coated Condenser Coil 3 = Epoxy Coated Condenser Coil with Hail Guard 4 = CompleteCoat™ Condenser Coil 5 = CompleteCoat™ Condenser Coil with Hail Guard		
DIGIT 7 – Major Design Sequence E = R-410A Refrigerant			
DIGIT 8 –Unit Voltage 3 = 208–230/60/3 4 = 460/60/3 W = 575/60/3			
DIGIT 9 – Unit Controls 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			

See Model Number Notes graphic for explanation of Notes ① to ⑱

Parts List Number :YHCUP8

Model Number :YHC067E3RHA0000

Part No.	Reference No.	Quantity	Description
BAS01908	*	1	BASE; THERMOSTAT, 18-32V, 50/60 HZ, GAS AND ELECTRIC, 2 STAGE HEAT AND 2 STAGE COOLING (BAYBASE006AA)
BAS01910	*	1	BASE; THERMOSTAT 18-32V, 50/60HZ, GAS AND ELECTRIC, 1 STAGE HEAT AND 1 STAGE COOLING (BAYBASE008AA)
BAYCO2K101A	*	1	KIT; WALL MOUNT CO2 SENSOR KIT
BAYCO2K103A	*	1	KIT; DUCT MOUNT CO2 SENSOR KIT
BAYHAKT010D	*	1	HIGH ALTITUDE KIT (BAYHAKT010D)
BAYPWRX070A	*	1	POWER EXHAUST, 230V, FOR 3-5 TON T/W/YSC, D/T/W/YHC, T/YZC
BAYRTEM001A	*	1	RELIA TEL ECONOMIZER LOGIC MODULE
BRD03177	*	1	RELIA TEL 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).
CRB00171	*	1	CURB; ADAPTA CURB (BAYQACB010AA), TRANSITIONS BAYCURB022B, 77.625 X 46.875
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)
DMP02840	*	1	DAMPER; BAROMETRIC RELIEF (BAYBARM011AB)
DMP02957	*	1	DAMPER; RELIA TEL, 0-50 PERCENT MOTORIZED OUTSIDE AIR DAMPER (BAYDMPR054A)
ECN00123	*	1	ECONOMIZER; RELIA TEL, 0-100% DRY BULB (BAYECON087A)
GRD01611	*	1	GUARD; HAIL GUARD ACCESSORY (BAYGARD040BB)
KIT07818	*	1	KIT; DISCHARGE AIR SENSING (BAYTUBE006A). (OPTIONS BOARD KIT09433-BAYABRD001CA MUST BE INSTALLED IN THE UNIT FOR THIS ACCESSORY TO OPERATE).
KIT09433	*	1	KIT; ACCESSORY, OPTIONS BOARD (BAYABRD001CA)
KIT09500	*	1	LCIR W/ SHORT HARNESS 3-10 TON PACKAGE UNITS (HARNESS = WIR03458) LCI-R SHORT KIT
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 OVERRIDE (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)
KIT15622	*	1	KIT; LP CONVERSION (BAYLPKT050B)
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)
SEN00408	*	1	SENSOR; ZONE STAT, LEVEL 2, NON-HEAT PUMP (BAYSENS008BB), DUAL SETPOINT MANUAL OR AUTO CHANGEOVER
SEN00410	*	1	SENSOR; ZONE STAT ASSEMBLY (BAYSENS006BA), SINGLE SETPOINT MANUAL CHANGEOVER
SEN00413	*	1	SENSOR; ZONE STAT ASSEMBLY (BAYSENS010BB), DUAL SETPOINT MANUAL OR AUTO CHANGEOVER WITH SYSTEM FUNCTION LIGHTS
SEN00435	*	1	SENSOR; ZONE LEVEL 4 (BAYSENS017BB) REMOTE ROOM SENSOR

Parts List Number :YHCUP8

Model Number :YHC067E3RHA0000

Part No.	Reference No.	Quantity	Description
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
SEN01120	*	1	SENSOR; REMOTE ZONE, DUAL THERMISTOR (BAYSENS032AA)
SEN01127	*	1	SENSOR; REMOTE WALL (BAYSENS033AA)
SEN01128	*	1	SENSOR; TEMPERATURE (BAYSENS034AA), RETURN AIR REMOTE TEMPERATURE SENSOR
SEN01130	*	1	SENSOR; DIGITAL ZONE (BAYSENS035AB), DIGITAL DISPLAY ZONE SENSOR
SEN01195	*	1	SENSOR; HUMIDITY ZONE, WALL MOUNTED, TRANE (BAYSENS036A)
SEN01196	*	1	SENSOR; HUMIDITY ZONE, DUCT MOUNTED, TRANE (BAYSENS037A)
SEN01289	*	1	SENSOR; PROGRAMMABLE ZONE, CONSTANT VOLUME/HEAT PUMP (BAYSENS019CA)
SEN01378	*	1	SENSOR; TEMPERATURE, REMOTE, WALL MOUNTED (BAYSTAT060AA)
SEN01379	*	1	SENSOR; TEMPERATURE, RETURN AIR - DUCT (BAYSTAT059AA)
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)
SEN01450	*	1	SENSOR; ZONE, ROOM SENSOR W/ OVERRIDE AND CANCEL BUTTONS, 10K, OCCUPIED (BAYSENS073AA)
SEN01579	*	1	SENSOR; CO2 SENSING KIT; WALL MOUNTED (ASYSTAT712B)
SEN01580	*	1	SENSOR; CO2 SENSING KIT; DUCT MOUNTED (ASYSTAT714B)
THT00839	*	1	THERMOSTAT; REMOTE POTENTIOMETER, 60-90 DEG F (BAYSTAT023AA)
THT02239	*	1	THERMOSTAT; HIGH TEMPERATURE (BAYFRST001AA)
THT02424	*	1	THERMOSTAT; 1 HEAT (GAS/ELEC) 1 COOL (TCONT200ANN11AAA) NON-PROGRAMMABLE.
THT02549	*	1	THERMOSTAT; FOCUS PRO, 1H/1C (BAYSTAT051AA)
THT02550	*	1	THERMOSTAT; FOCUS PRO 3H/2C (BAYSTAT055AA)
THT02551	*	1	THERMOSTAT; COMMERCIAL PRO, 2H/2C. (BAYSTAT050AA)
THT02552	*	1	THERMOSTAT; COMMERCIAL VISION PRO, 2H/2C. (BAYSTAT052AA)
TOL00099	*	1	TOOL; RESISTANCE DECADE BOX