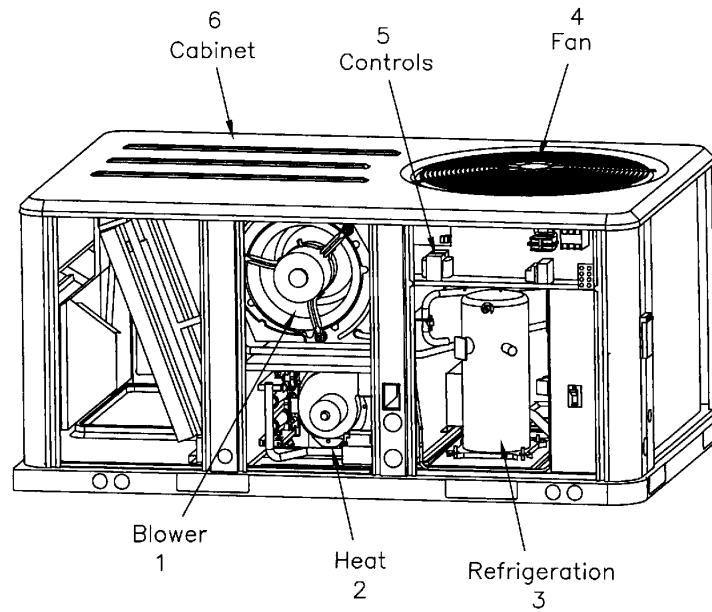


General Assembly

75006131

REV
B

Typical illustration. Unit may not appear exactly as shown.



View is determined by facing Appearance Nameplate

Parts List Number :YHCUP9

Model Number :YHC102F3ELA0000

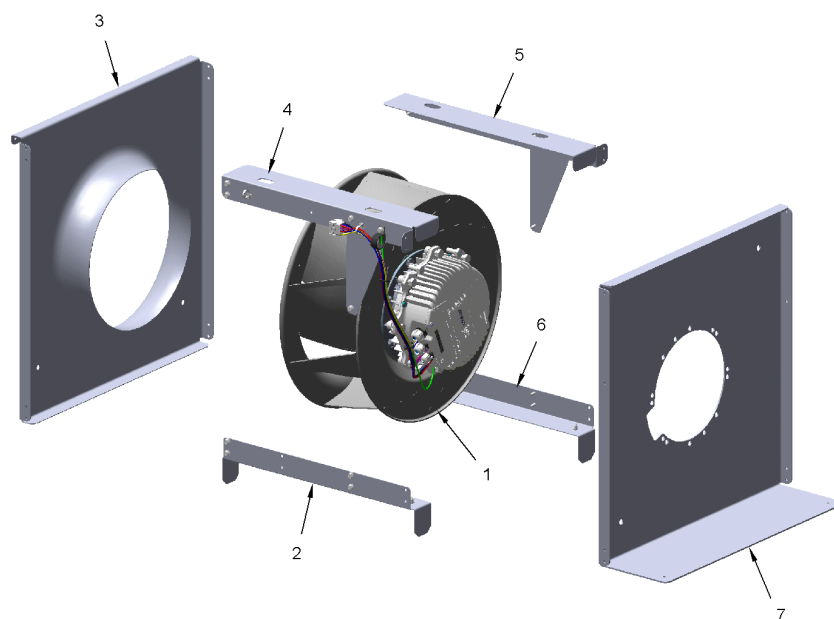
Part No.	Reference No.	Quantity	Description
75009291	1		BLOWER
75009709	3		REFRIGERATION
75010937	4		FAN
75009394	8		MODEL NUMBER DESCRIPTION, DIGITS 1-17
75009395	8		MODEL NUMBER DESCRIPTION, DIGITS 18-31
75009396	8		MODEL NUMBER NOTES
NGRAPHIC	9		OPTIONAL FIELD INSTALLED ACCESSORIES

BLOWER

75009291

REV
B

TYPICAL ILLUSTRATION



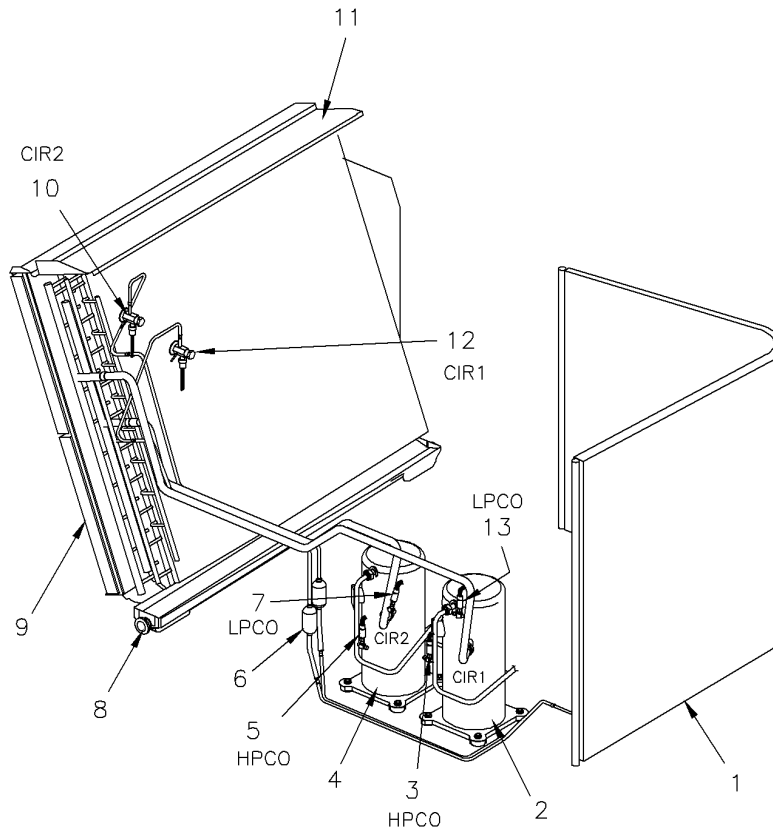
Part No.	Reference No.	Quantity	Description
CNT03511	*	1	CONTROL; LIMIT, 120F, AUTOMATIC RESET, SPST, NC, 15A/120VAC, 10A/240VAC, QC TERMINAL
SCR01557	*	16	SCREW; SHEET METAL 0.25-14 X 0.62, HEX HEAD, SLATE GRAY COLOR
WIR05194	*	1	WIRE; HARNESS, INDOOR FAN MOTOR (1Z,2S,3S,GND,37B,39B,40B,41B,45B,108C,158E)
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

Refrigeration

75009709

REV
A

Typical illustration. Unit may not appear exactly as shown.



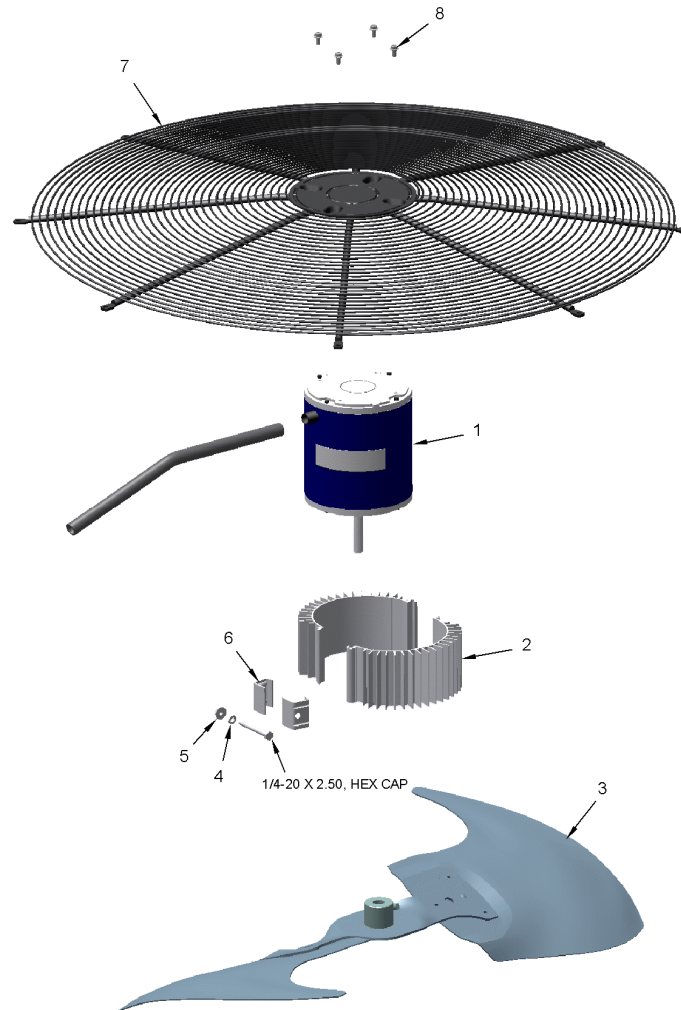
Part No.	Reference No.	Quantity	Description
BOF01684	*	1	BLOCKOFF; INDOOR COIL, FRONT, 40.6 X 5.5
BRK03234	*	1	BRACKET; INDOOR COIL, BOTTOM, 0.65 X 4.39 X 1.50
BRK03275	*	1	BRACKET; COMPRESSOR SUPPORT (3 SIDES)
BRK03938	*	1	BRACKET; FILTER CHANNEL, 50.50 LENGTH
CAP00072	*	3	CAP; VALVE, SEAL, .25 FFL
COR00006	*	2	CORE; VALVE PORT, .79 LENGTH, .206-36 UNS 2A THD
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 CUTOFF, 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 CUTOFF, 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
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)

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 Froststat cannot be field installed in electromechanical units. ⑱ High Pressure Control and Crankcase Heaters are standard on all units. ⑲ Froststat 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 utilized with Digit 21=(4) Novar 3051 Controls² without Zone Sensor. ㉖ Demand Control Ventilation Option includes wiring only. The CO 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		DIGIT 25 – Monitoring Controls	
0 = No Through the Base Provisions		0 = No Monitoring Controls ⁽²³⁾	
A = Through the Base Electric ⁽¹⁾		1 = Clogged Filter Switch ⁽²³⁾	
B = Through the Base Gas Piping		2 = Fan Failure Switch ⁽²³⁾	
C = Through the Base Electric and Gas Piping ⁽²⁾		3 = Discharge Air Sensing Tube ⁽²³⁾	
DIGIT 19 – Disconnect/Circuit Breaker		4 = Clogged Filter Switch and Fan Failure Switch ⁽²³⁾	
0 = No Disconnect/No Circuit Breaker		5 = Clogged Filter Switch and Discharge Air Sensing Tube ⁽²³⁾	
1 = Unit Mounted Non–Fused Disconnect ⁽¹⁾		6 = Fan Failure Switch and Discharge Air Sensing Tube ⁽²³⁾	
2 = Unit Mounted Circuit Breaker ⁽¹⁾		7 = Clogged Filter, Fan Fail Switch and Discharge Air Sensing Tube ⁽²³⁾	
DIGIT 20 = Convenience Outlet		8 = Novar 2024 Return Air Sensor ⁽¹⁴⁾ ⁽²⁴⁾	
0 = No Convenience Outlet		9 = Novar 3051 Zone Sensor ⁽¹⁴⁾ ⁽²⁵⁾	
A = Unpowered Convenience Outlet		A = Condensate Drain Pan Overflow Switch	
B = Powered Convenience Outlet ⁽¹³⁾		B = Clogged Filter Switch ⁽²³⁾ and Condensate Drain Pan Overflow Switch	
DIGIT 21 – Communications Options ⁽⁴⁾		C = Fan Failure Switch ⁽²³⁾ and Condensate Drain Pan Overflow Switch	
0 = No Communications Interface		D = Discharge Air Sensing ⁽²³⁾ and Condensate Drain Pan Overflow Switch	
1 = Trane Communications Interface		E = Clogged Filter Switch ⁽²³⁾ , Fan Failure Switch ⁽²³⁾ and Condensate Drain Pan Overflow Switch	
2 = LonTalk® Communications Interface		F = Clogged Filter Switch ⁽²³⁾ , Discharge Air Sensing Tube ⁽²³⁾ , and Condensate Drain Pan Overflow Switch	
3 = Novar 2024 Controls ⁽¹⁴⁾		G = Fan Failure Switch ⁽²³⁾ , Discharge Air Sensing Tube ⁽²³⁾ , and Condensate Drain Pan Overflow Switch	
4 = Novar 3051 Controls without Zone Sensor ⁽¹⁴⁾		H = Clogged Filter Switch ⁽²³⁾ , Fan Failure Switch ⁽²³⁾ , Discharge Air Sensing Tube ⁽²³⁾ , and Condensate Drain Pan Overflow Switch	
5 = Novar 3051 Controls Interface with DCV ⁽¹⁴⁾		DIGIT 26 – System Monitoring Controls	
6 = BACnet® Communications Interface		0 = No Monitoring Controls	
7 = Air–Fi™ Wireless Communications		1 = Demand Control Ventilation (CO ₂) ⁽²⁶⁾ ⁽²⁷⁾	
DIGIT 22 – Refrigeration System Option		DIGIT 27 – Unit Hardware Enhancements	
0 = Standard Refrigeration System ⁽¹⁵⁾		0 = No Enhancements	
B = Dehumidification Option ⁽¹⁶⁾		1 = Stainless Steel Drain Pan	
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			
See <u>Model Number Notes</u> 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		DIGITS 14 – Fresh Air Selection O = 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, Comparative 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 2 – Efficiency H = High Efficiency		DIGIT 15 – Supply Fan/Drive Type/Motor O = 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 3 – Airflow C = Convertible		DIGIT 16 – Hinged Service Access O = 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) 072 = 6 Ton 074 = 6 Ton (Title 24 compliant) 092 = 7.5 Ton 102 = 8.5 Ton 120 = 10 Ton		DIGIT 17 – Condenser Coil Protection O = 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	
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			
See <u>Model Number Notes</u> graphic for explanation of Notes ① to ②⑦			

Parts List Number :YHCUP9

Model Number :YHC102F3ELA0000

Part No.	Reference No.	Quantity	Description
BAYGARD141A	*	1	ACCESSORY; HAIL GUARD, MCHE COND COIL - D CAB
BAYLSW001A	*	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 OVERRIDE (BAYVNOR001BB) (OPTIONS BOARD KIT09433-BAYABRD001CA MUST BE INSTALLED IN THE UNIT FOR THIS ACCESSORY TO OPERATE).
KIT15163	*	1	KIT; POWER EXHAUST, 208/230V (BAYPWRX026A)
KIT15622	*	1	KIT; LP CONVERSION (BAYLPKT050B)
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)