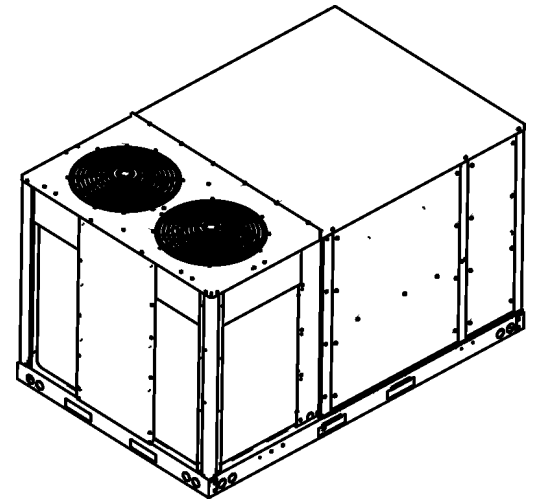


DHC 12.5 Ton Commercial Package Cooling Unit

DHC1503D000001SAA

DHC1504D000001SAA

DHC1507D000001SAA



This manual is to be used by qualified technicians only.

Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 15

Views shown are for parts illustrations only, not servicing procedures.

Text Codes:

AR - As Required

NA - Not Available

NS - Not Shown

00000000 - See Note

QTY - Quantity Example (QTY 3) (If Quantity not shown, Quantity = 1)

M - Model Example (M1) (If M Code not shown, then part is used on all Models)

Expanded Model Nomenclature:

Example M1 - Model#1 M2 - Model#2 M3 - Model#3

Daikin Comfort Technologies Manufacturing , L.P. is not responsible for personal injury or property damage resulting from improper service. Review all service information before beginning repairs.

Warranty service must be performed by an authorized technician, using authorized factory parts. If service is required after the warranty expires, Daikin Comfort Technologies Manufacturing , L.P. also recommends contacting an authorized technician and using authorized factory parts.

Daikin Comfort Technologies Manufacturing , L.P. reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

For assistance within the U.S.A. contact:
Equipment Support
Daikin Comfort Technologies Manufacturing , L.P.
19001 Kermier Road
Waller, Texas 77484
855-770-5678-Telephone
713-863-2382-Facsimile

For assistance outside the U.S.A. contact:
International Division
Daikin Comfort Technologies Manufacturing , L.P.
19001 Kermier Road
Waller, Texas 77484
713-861-2500-Telephone
713-863-2382-Facsimile

Functional Parts

Part

No: Description:

0130M00913	AUXILLARY SWITCH (QTY 2)
0131L00125	BLOWER MOTOR (M3)
0131L00124	BLOWER MOTOR (M2)
0131L00122	BLOWER MOTOR (M1)
0130L00164	CLASS CC FUSE 5A (M3)
YP61K1TTTF5ASH	COMPRESSOR (M1)
YP61K1TTFDASH	COMPRESSOR (M2)
YP61K1TTFEASH	COMPRESSOR (M3)
CONT2P030024D	CONT, 2 POLE, 30 AMP, 24VAC
CONT3P030024D	CONT, 3 POLE, 30 AMP, 24VAC (QTY 3)
0130M00178	DPDT RELAY 24VAC (QTY 3)
0131M00905	MOTOR (M1, M3)
0131M00917	MOTOR (M2)
PCBCM301V0001	PCB CONTROL AIR HANDLER
0131L00156	PROGRAMMED MOTOR CONTROLLER
10135604	RELAY
SER2A08012	SENSATA R32 SENSOR
0130M00730	SWITCH, HIGH PRESSURE (QTY 2)
0130M00733	SWITCH, LOW PRESSURE (QTY 2)
0130M00582	SWITCH, THERMO (QTY 2)
B1370772	TIME DELAY ICM 180SEC DELA (QTY 2)
0130M00669	TRANSFORMER (M3)
0130M00858	TRANSFORMER (M2)
0130M00859	TRANSFORMER (M1)
0130M00861	TRANSFORMER (M3)
0259L02404	WIRE HARENESS ASSEMBLY (M3)
0259L02403	WIRE HARNESS ASSY (M3)

SPECIAL PARTS

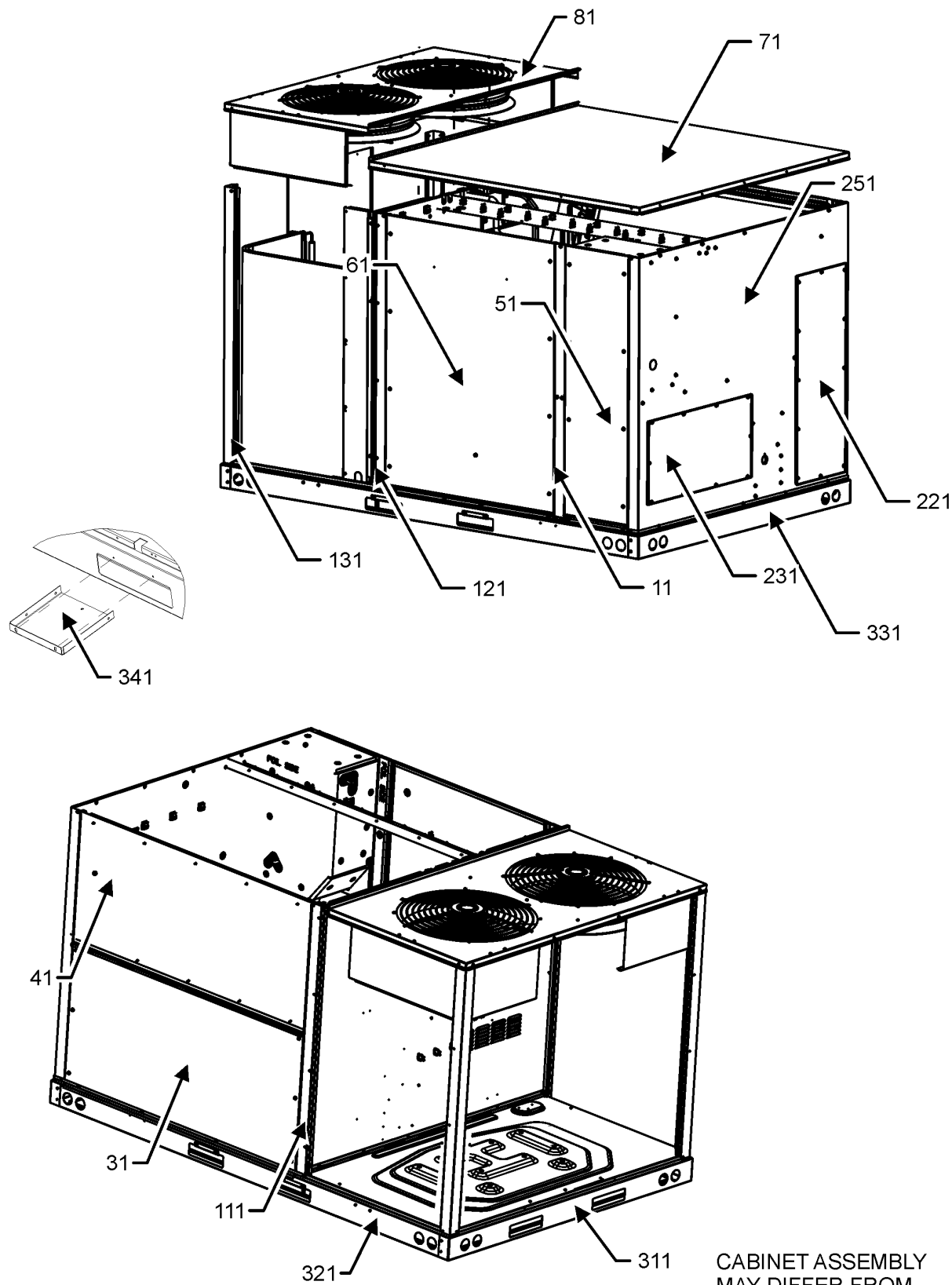
RP-FIOPM*	ACCESSORY RP MANUAL
RP-EHX(D/B)M*	HEATER KIT RP MANUAL
RP-EHS(D/B)M*	HEATER KIT RP MANUAL

Expanded Model Nomenclature

M1 - DHC1503D000001SAA M2 - DHC1504D000001SAA M3 - DHC1507D000001SAA
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CABINET ASSEMBLY

CABINET ASSEMBLY



CABINET ASSEMBLY

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121L03534SB		PAINTED, PANEL, SIDE POST
31	0121L04312SB		PAINTED, ECONOMIZER PANEL
41	0121L03173SB		PAINTED, FILTER DOOR
51	0121L03052SB		PAINTED CONTROL PANEL
61	0121L03961SB		PAINTED, PANEL-BLOWER
71	0121L04551SB		PAINTED, PANEL, TOP INDOOR
81	0121L05353SB		PAINTED, PANEL, TOP OUTDOOR
111	0121L03470SB		PAINTED SIDE POST
121	0121L03534SB		PAINTED SIDE POST
131	0121L05619SB		PAINTED, PANEL, CORNER POST (QTY 2)
221	0121L03508SB		PAINTED COVER DUCT RETURN
231	0121L02921SB		PAINTED COVER DUCT SUPPLY
251	0121L03508SB		PAINTED, COVER, DUCT, PANEL
311	0121L04565		END RAIL
321	0121L04764		SIDE RAIL (QTY 2)
331	0121L05103		RAIL, END
341	0121L03727		BRACKET-FORK BOARD (QTY 4)
NS	0141L00084		BOARD FORK (QTY 2)
NS	0121L04612SB		PAINTED COVER-DISC SWITCH
NS	0121L03958SB		PAINTED, DRAIN PAN COVER
NS	0121L03932SB		PNT, CONVENIENCE COVER LT COMM

Expanded Model Nomenclature

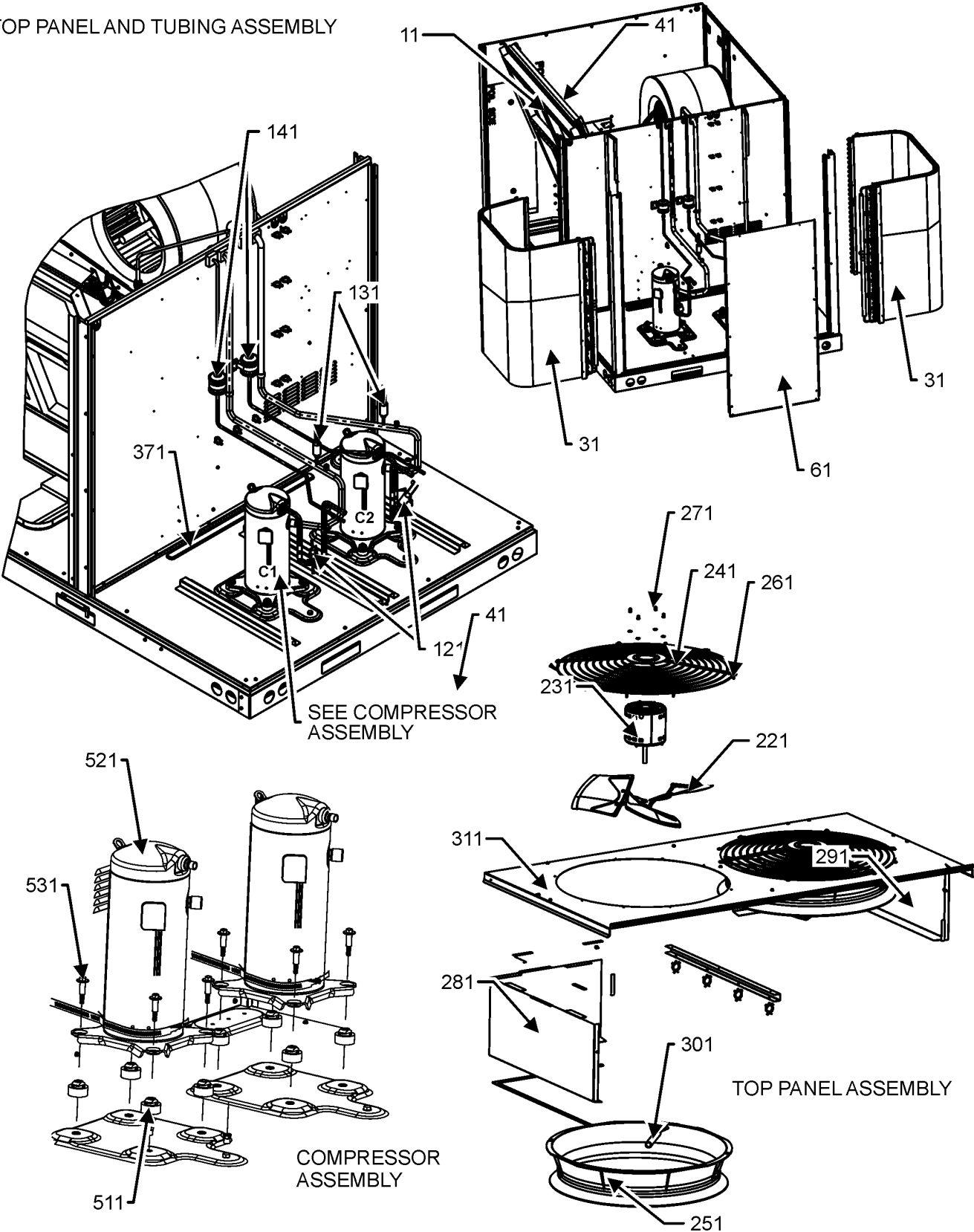
M1 - DHC1503D000001SAA

M2 - DHC1504D000001SAA

M3 - DHC1507D000001SAA

TOP PANEL AND TUBING ASSEMBLY

TOP PANEL AND TUBING ASSEMBLY



TOP PANEL AND TUBING ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

TOP PANEL AND TUBING ASSEMBLY

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0270L02975		FILTER RACK ASSEMBLY
31	0201L00453		ASSY., CONDENSER COIL (QTY 2)
41	0202L00737		EVAP COIL CIRCUITING ASSEMBLY
61	0121L05658SB		PAINTED, PANEL, OUTDOOR
121	0130M00730		SWITCH, HIGH PRESSURE (QTY 2)
131	0130M00733		SWITCH, LOW PRESSURE (QTY 2)
141	0151M00106		FILTER/DRIER-BI-FLOW (QTY 2)
221	0150L00003		BLADE-FAN 22" ALUM. CCW 30 DEG (QTY 2)
231	0131M00905		MOTOR (M1, M3)
231	0131M00917		MOTOR (M2)
241	0152G00000		FAN GRILLE, RAISED (QTY 2)
251	0161R00048		MOLDED RING VENTURI 22 (QTY 2)
261	0163M00004		SCREW #10X3/4 BLK (QTY 16)
271	B1393024		LOCK NUT (M2)
271	0163M00006P		NUT, ACORN 5/16 HEX BLACK (M1, M3)
301	0161R00124		CONDUIT (M1, M3)
311	0121L05353SB		PAINTED, PANEL, TOP OUTDOOR
371	0121L04115		CHANNEL, BASEPAN
511	B1339533		GROMMET, COMPRESSOR (QTY 8)
521	YP61K1TTF5ASH		COMPRESSOR (M1)
521	YP61K1TTFDASH		COMPRESSOR (M2)
521	YP61K1TTFEASH		COMPRESSOR (M3)
531	B1393740		COMP BOLT & SLEEVE (QTY 8)
NS	0160L00267		AIR FILTER (QTY 4)
NS	0121R00922		BRACKET, MOTOR MOUNT (M2)
NS	20333401		GROMMET-HORSESHOE (QTY 4)
NS	0159L00066		HARNESS, COMP SCROLL (M2, M3)
NS	0159L00068		HARNESS, COMP SCROLL (M1)
NS	0159L00153		HARNESS, COMP SCROLL (M2, M3)
NS	0159L00154		HARNESS, COMP SCROLL (M1)
NS	B1393804		NYLON LOCKNUT, .31 - 18 (M2)
NS	0163M00129		SCREW H2 .31 X 1.52 (M2)
NS	0130M00582		SWITCH, THERMO (QTY 2)
NS	0251L00269		TXV, & FLOWRATOR ASSY
NS	0251L00270		TXV, & FLOWRATOR ASSY
NS	M0272803		WASHER LOCK (M1, M3)
NS	0163M00005P		WASHER, BLACK .50OD.218ID (M1, M3)

Expanded Model Nomenclature

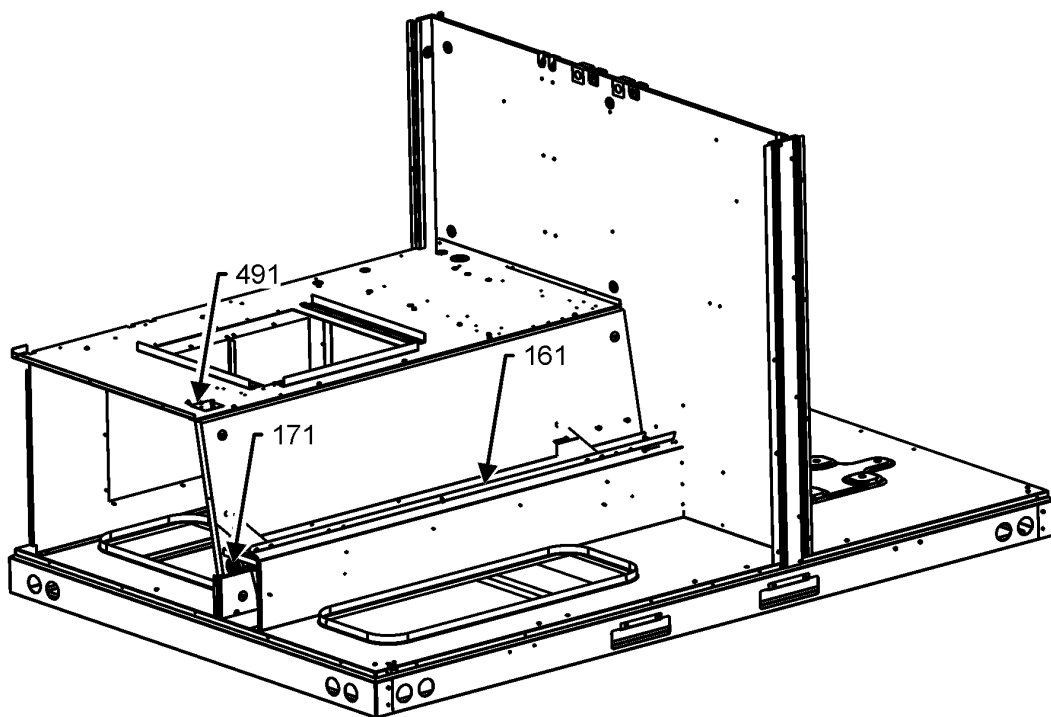
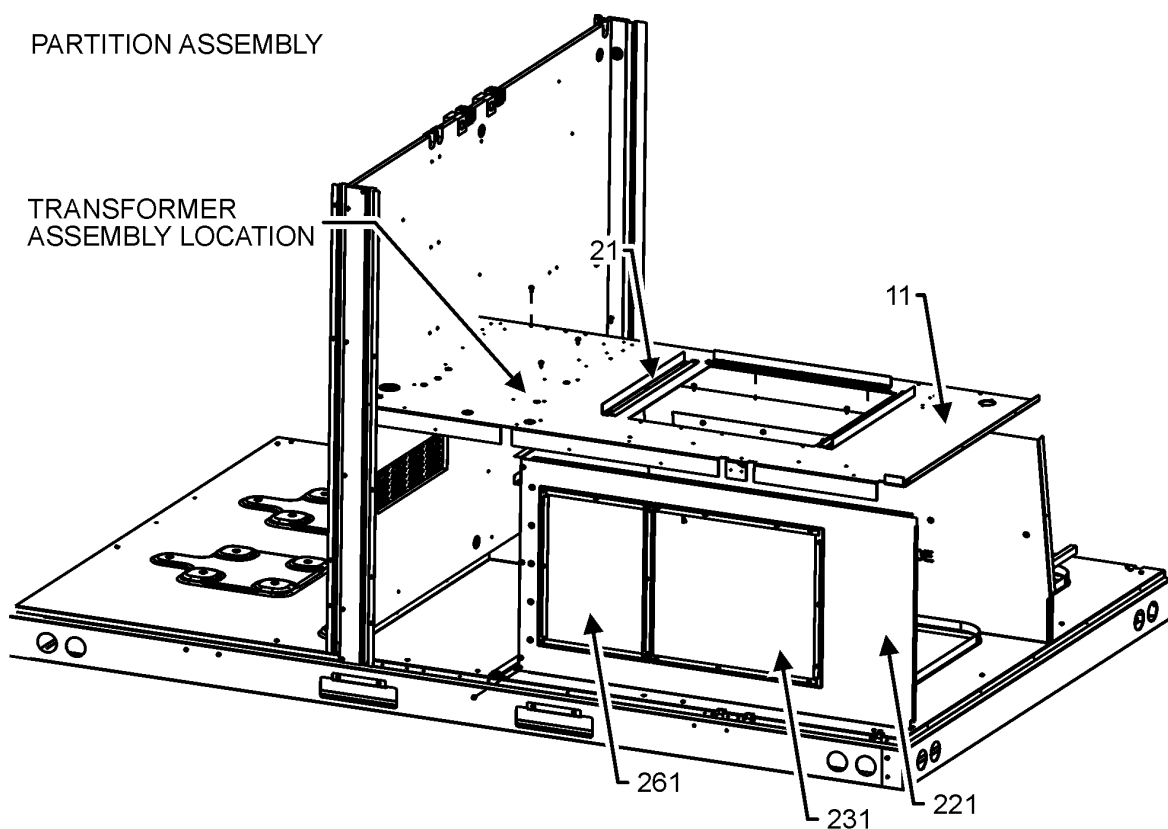
M1 - DHC1503D000001SAA

M2 - DHC1504D000001SAA

M3 - DHC1507D000001SAA

PARTITION ASSEMBLY

PARTITION ASSEMBLY



PARTITION ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

PARTITION ASSEMBLY

Ref. Part			Ref. Part		
No: No:		Description:	No: No:		Description:
Image 1:					
11	0121L05380	PANEL, BLOWER DECK			
21	0121L05524	BLOWER SLIDE PLATE (QTY 3)			
161	0161L00002	DRAIN PAN EVAP 7TO12			
171	0154L00180	GASKET, DRAIN PAN			
221	0121L04010	PANEL FRONT, EHK			
231	0121L03965	PNL, COVER EHK			
261	0121L03458	PANEL EHK BLOCK OFF			
491	0121L00321	COVER SMOKE DETECTOR			
NS	0130L00164	CLASS CC FUSE 5A (M3)			
NS	0163L00071	PLUG, DRAIN			
NS	0130M00669	TRANSFORMER (M3)			
NS	0259L02404	WIRE HARENESS ASSEMBLY (M3)			
NS	0259L02403	WIRE HARNESS ASSY (M3)			

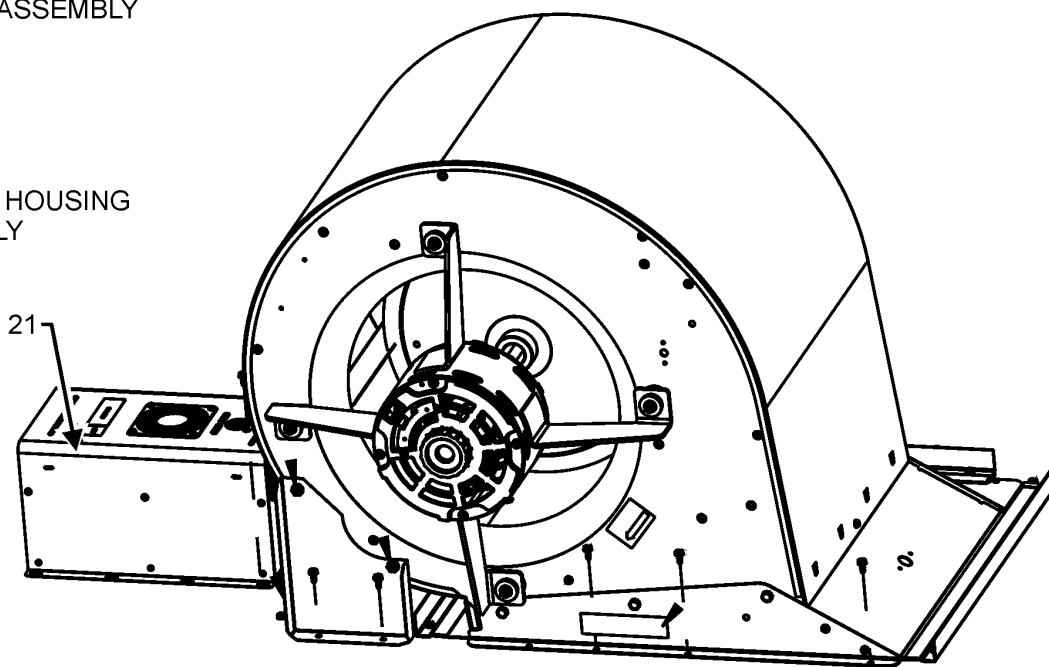
Expanded Model Nomenclature

M1 - DHC1503D000001SAA
M2 - DHC1504D000001SAA
M3 - DHC1507D000001SAA

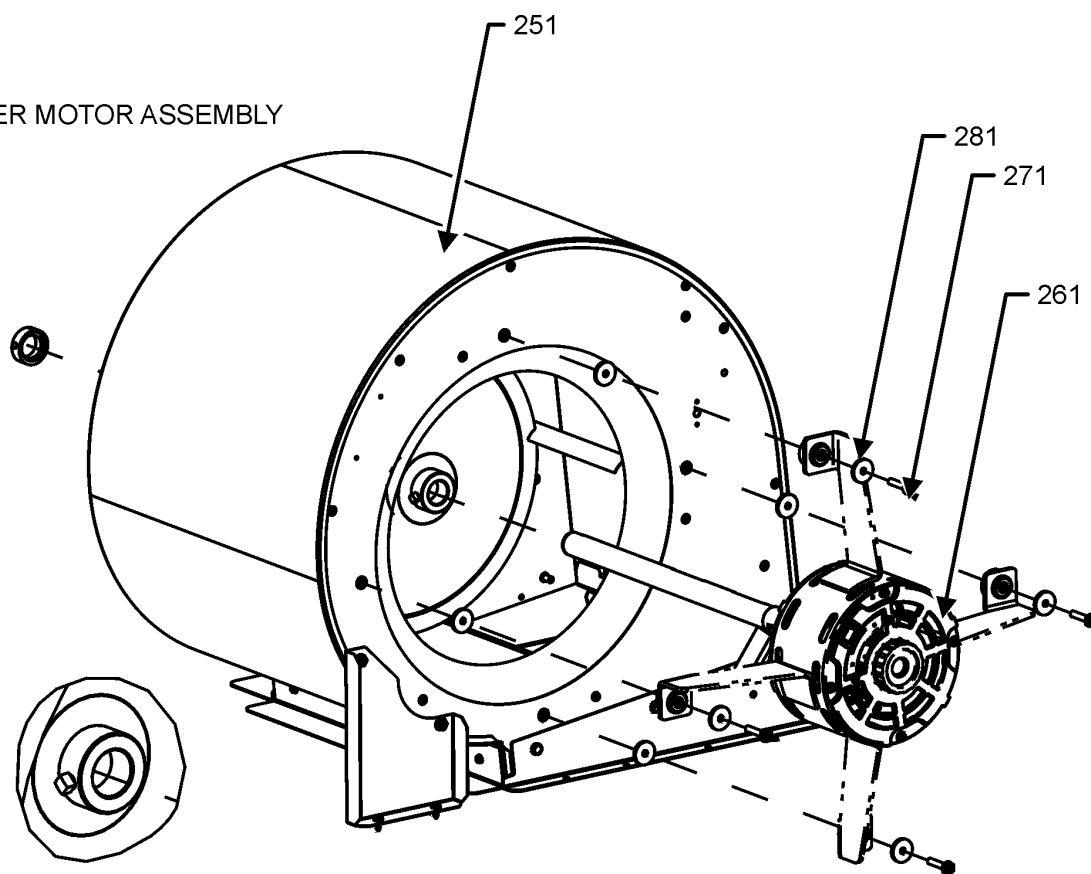
BLOWER ASSEMBLY

BLOWER ASSEMBLY

BLOWER HOUSING ASSEMBLY



BLOWER MOTOR ASSEMBLY



BLOWER ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

BLOWER ASSEMBLY

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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Image 1:

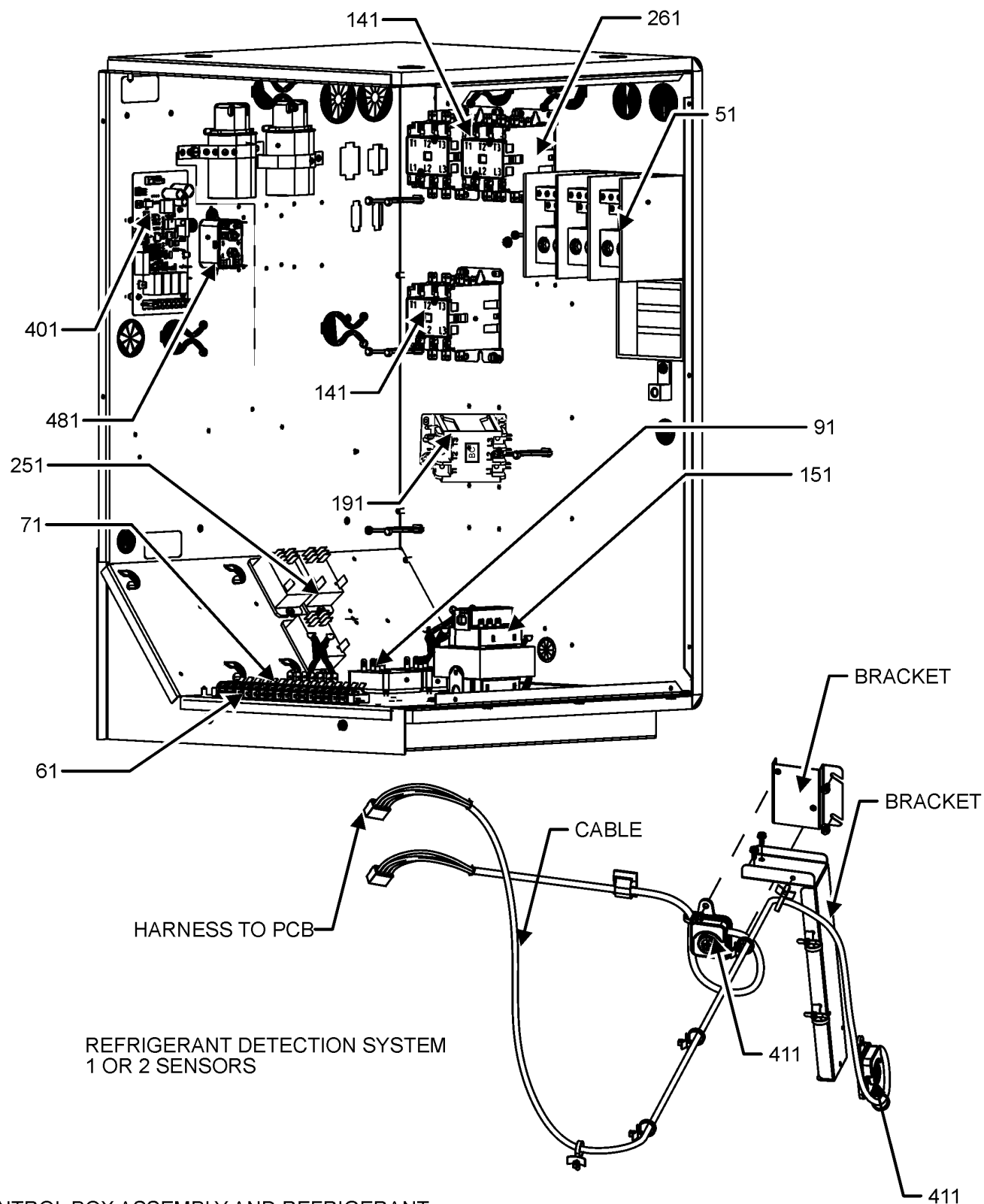
21	0131L00156	PROGRAMMED MOTOR CONTROLLER
251	0271L00148	ASSY, BLOWER PURCHASED 16X18
261	0131L00122	BLOWER MOTOR (M1)
261	0131L00124	BLOWER MOTOR (M2)
261	0131L00125	BLOWER MOTOR (M3)
271	M0250565	SCREW-TC 1.25" (QTY 4)
281	B1392918	WASHER FLAT 1/4IDX1OD (QTY 8)
NS	0121L04070	BRACKET BLOWER HOUSING

Expanded Model Nomenclature

M1 - DHC1503D000001SAA
M2 - DHC1504D000001SAA
M3 - DHC1507D000001SAA

CONTROL BOX AND REFRIGERANT DETECTION

CONTROL BOX ASSEMBLY AND REFRIGERANT DETECTION SYSTEM



CONTROL BOX ASSEMBLY AND REFRIGERANT
DETECTION SYSTEM MAY DIFFER FROM WHAT IS SHOWN

CONTROL BOX AND REFRIGERANT DETECTION

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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Image 1:

51	0130L00217	POWER,BLOCK
61	0130M00038	TERMINAL BOARD
71	802007090	TERM BOARD
91	B1370772	TIME DELAY ICM 180SEC DELA (QTY 2)
141	CONT3P030024D	CONT, 3 POLE, 30 AMP, 24VAC (QTY 3)
151	0130M00858	TRANSFORMER (M2)
151	0130M00859	TRANSFORMER (M1)
151	0130M00861	TRANSFORMER (M3)
191	CONT2P030024D	CONT, 2 POLE, 30 AMP, 24VAC
251	0130M00178	DPDT RELAY 24VAC (QTY 3)
261	0130M00913	AUXILLARY SWITCH (QTY 2)
401	PCBCM301V0001	PCB CONTROL AIR HANDLER
411	SER2A08012	SENSATA R32 SENSOR
481	10135604	RELAY
NS	20520901	STRAP-CAPACITOR (QTY 7)
NS	0259L02282	WIRE HARNESS ASSY
NS	0259L02449	WIRE HARNESS ASSY

Expanded Model Nomenclature

M1 - DHC1503D000001SAA
M2 - DHC1504D000001SAA
M3 - DHC1507D000001SAA

ACCESSORY PARTS LIST

NOTE: NOT ALL OPTIONS AVAILABLE FOR ALL PRODUCTS

FOR ACCESSORY PARTS SEE THE FOLLOWING PART MANUAL

RP-FIOPMC

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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Image 1:

NS	RP-FIOPM*	ACCESSORY RP MANUAL
NS	RP-EHS(D/B)M*	HEATER KIT RP MANUAL
NS	RP-EHX(D/B)M*	HEATER KIT RP MANUAL

Expanded Model Nomenclature

M1 - DHC1503D000001SAA M2 - DHC1504D000001SAA M3 - DHC1507D000001SAA
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