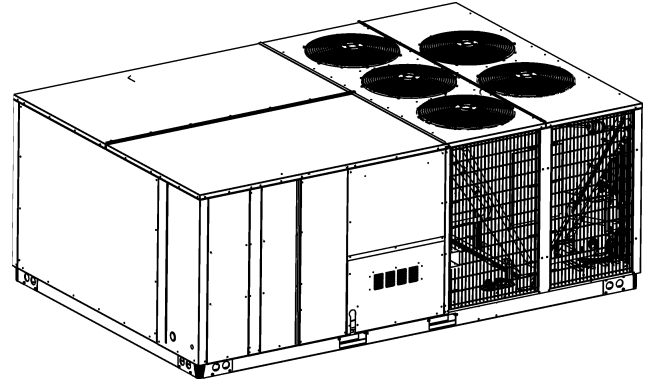


DSC300 Direct Drive 25 Ton Air Conditioner

DSC3003D000001SAA

DSC3004D000001SAA

DSC3007D000001SAA



This manual is to be used by qualified technicians only.

Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 17

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

Cabinet Assembly

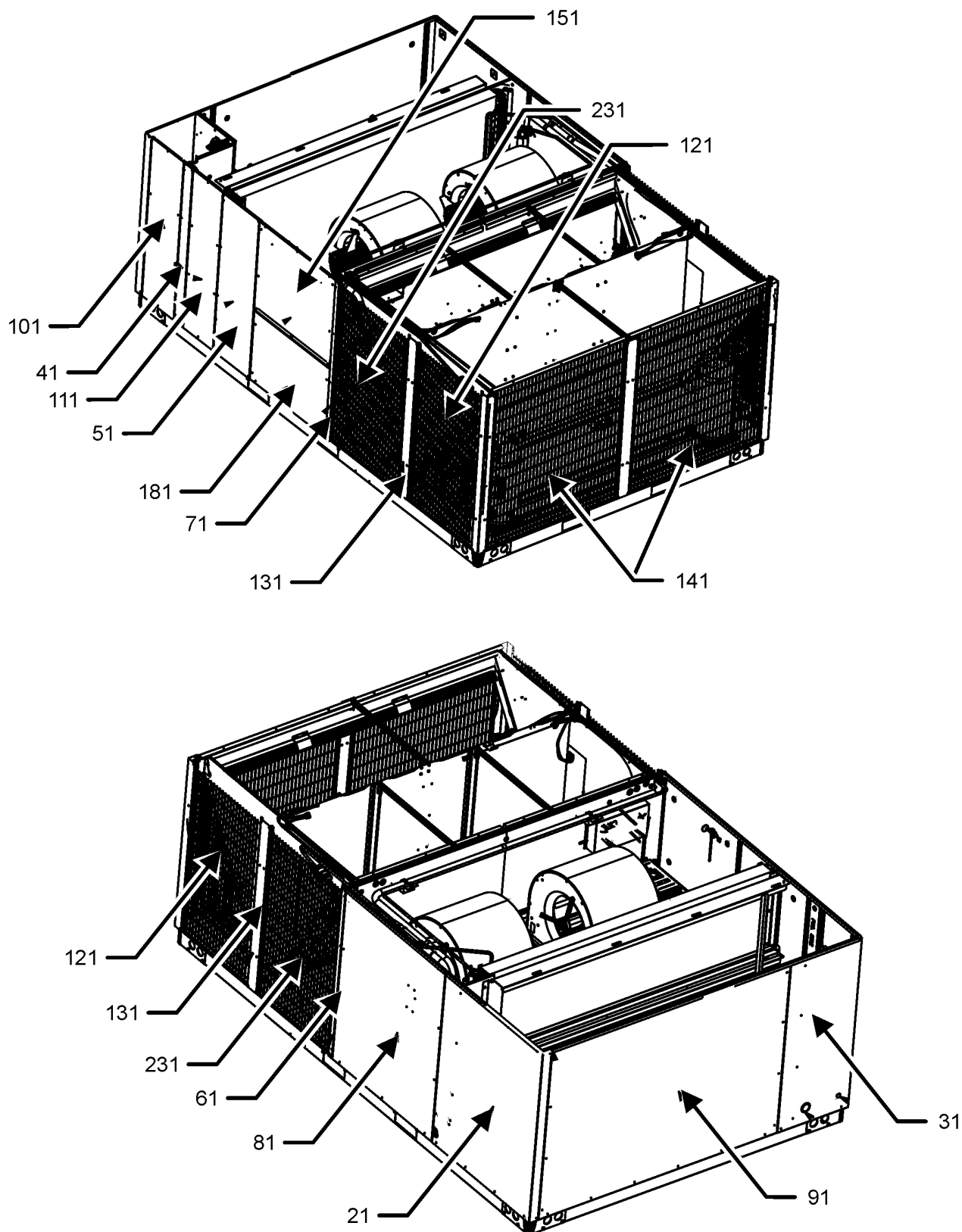
Ref. Part		Ref. Part	
No: No:	Description:	No: No:	Description:
Image 1:			
21	0121L00681SB		PAINTED EVAP PANEL
31	0121L05536SB		PAINTED, PANEL CONTROL CORNER
41	0121L05535SB		PAINTED, POST CONTRO/FILTER
51	0121L05534SB		PAINTED, DOOR POST EVAP BLOWER
61	0121L04679SB		PAINTED POST PARTITION EVAP
71	0121L04681SB		PAINTED POST PARTITION GAS
81	0121L00685SB		PNT DOOR BLWR EVAP SIDE
91	0121L00688SB		PNT ACCESSORY PANEL
101	0121L05533SB		PAINTED, DOOR, CONTROL
111	0121L05532SB		PAINTED, DOOR, FILTER
121	0152L00022		GRILL CONDENSER (QTY 2)
131	0121L01144SB		POST COND PANEL PNT (QTY 2)
141	0152L00019		GRILL CONDENSER (QTY 2)
151	0121L05352SB		PAINTED, DOOR-BLOWER, GAS SIDE
181	0121L00708SB		PNT DOOR ELECTRIC HEAT
231	0152L00023		GRILL CONDENSER (QTY 2)
NS	0160L00136		AIR FILTER (QTY 8)
NS	0270L02482		ASSY., FILTER RACK
NS	B1392156		PLASTIC CAP 2 1/8
NS	0163M00097		SCREW WASHED (QTY 104)

Expanded Model Nomenclature

M1 - DSC3003D000001SAA
M2 - DSC3004D000001SAA
M3 - DSC3007D000001SAA

Cabinet Assembly

CABINET ASSEMBLY

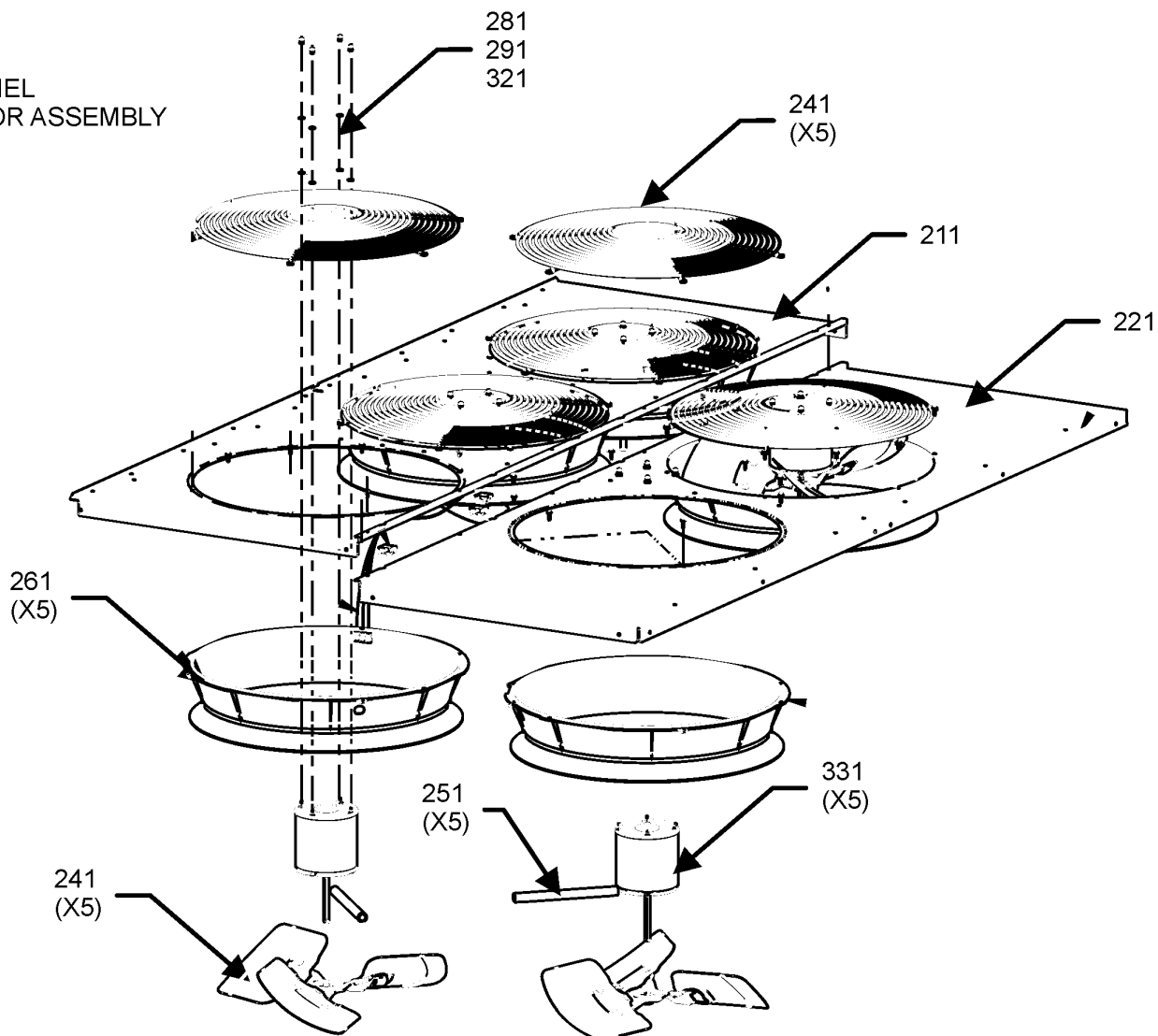


CABINET ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

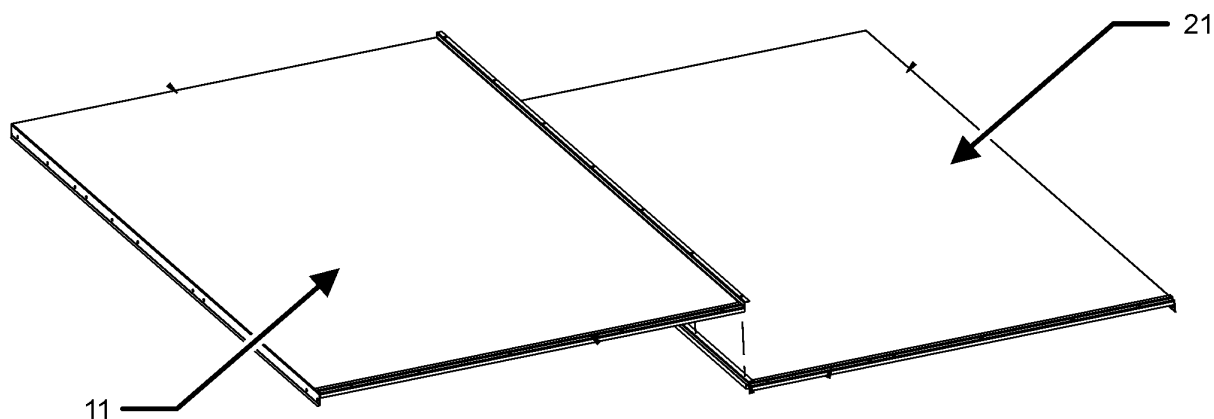
Top Panel Assembly

TOP PANEL ASSEMBLY

TOP PANEL OUTDOOR ASSEMBLY



TOP PANEL INDOOR ASSEMBLY



TOP PANEL ASSEMBLIES MAY DIFFER FROM WHAT IS SHOWN

Top Panel Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

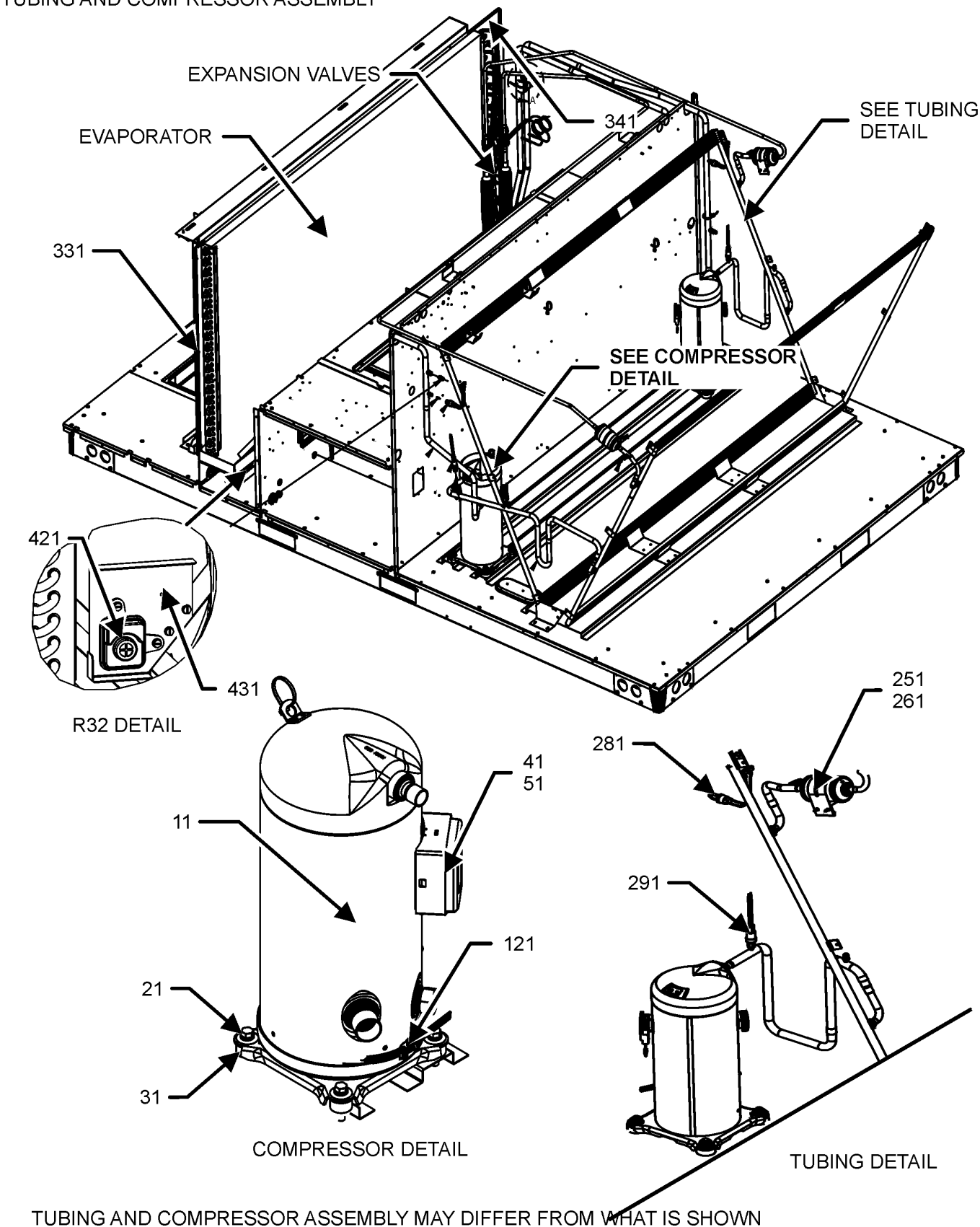
11	0121L00693SB	TOP CONTROL SIDE PNT
21	0121L00694SB	TOP PANEL ASSY PNT
211	0121L04969SB	PAINTED TOP FAN FAN MOUNT
221	0121L05457SB	PAINTED, PANEL TOP CTRL SIDE
241	0152G00000	FAN GRILLE, RAISED (QTY 5)
251	0161R00124	CONDUIT (QTY 5)
261	0161R00048	MOLDED RING VENTURI 22 (QTY 5)
271	0150M00065	FAN BLADE, 22" (QTY 5)
281	0163M00006P	NUT ACORN 5/16 HEX BLACK (QTY 20)
291	0163M00005P	WASHER BLACK .50 OD .218ID (QTY 20)
321	M0272803	WASHER LOCK (QTY 10)
331	0131M00925	Nidec Motor, 1/2 HP (M1)
331	0131M00926	Nidec Motor, 1/2 HP (M2)
331	0131M00930	Nidec Motor, 1/2 HP (M3)

Expanded Model Nomenclature

M1 - DSC3003D000001SAA
M2 - DSC3004D000001SAA
M3 - DSC3007D000001SAA

Tubing and Compressor Assembly

TUBING AND COMPRESSOR ASSEMBLY



Tubing and Compressor Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

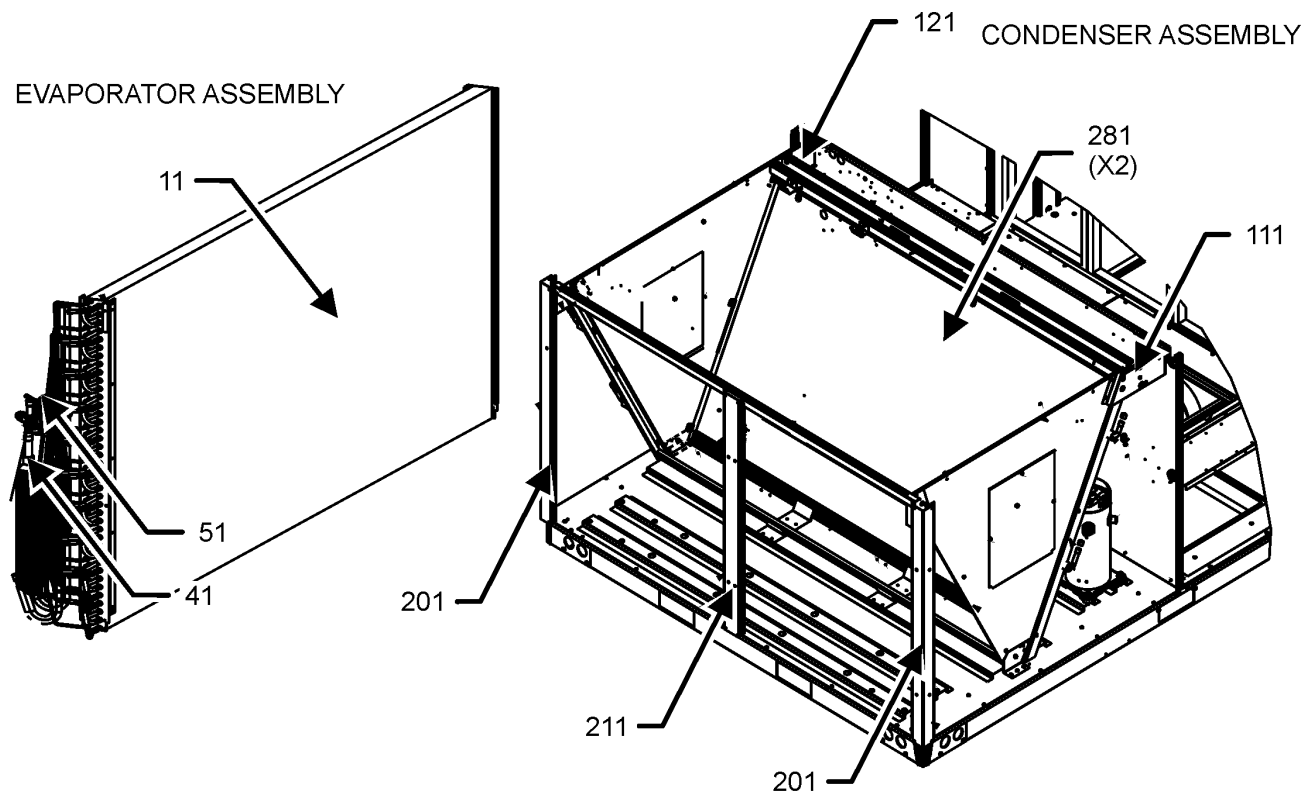
11	YP137K1TTFDCK	COMPRESSOR (M2)
11	YP137K1TTFECCK	COMPRESSOR (M3)
11	YP137KATTF5ESH	COMPRESSOR (M1)
21	0164M00018	GROMMET COMPRESSOR (QTY 8)
31	B1393740	COMP BOLT SLEEVE (QTY 8)
41	0159L00166	HARNESS, COMPRESSOR SCROLL (M1)
41	0159L00147	HARNESS, SCROLL COMPRESSOR (M2, M3)
51	0159L00167	HARNESS, COMPRESSOR SCROLL (M1)
51	0159L00148	HARNESS, SCROLL COMPRESSOR (M2, M3)
121	0130L00276	CRANK CASE HEATER, 90W, 240V (M1)
121	0130L00277	CRANK CASE HEATER, 90W, 480V (M2)
121	0130L00278	CRANK CASE HEATER, 90W, 575V (M3)
251	0162M00469	FILTER DRIER
261	0162M00469	FILTER DRIER
281	0130M00732	SWITCH LOW PRESSURE (QTY 2)
291	0130M00730	SWITCH, HIGH PRESSURE (QTY 2)
331	0121L04512	BLOCK OFF EVAPORATOR
341	0121L05428	BLOCK OFF - EVAPORATOR
421	SER2A08012	SENSATA, R32 SENSOR
431	0121L05665	BRKT, SENSOR MOUNT
NS	B1373315	ACCESS FITTING (QTY 4)
NS	0141L00029	BOARD FORK (QTY 2)
NS	0121L00724	BRACKET FORK BOARD (QTY 4)
NS	0151M00104	VALVE CORE (QTY 8)

Expanded Model Nomenclature

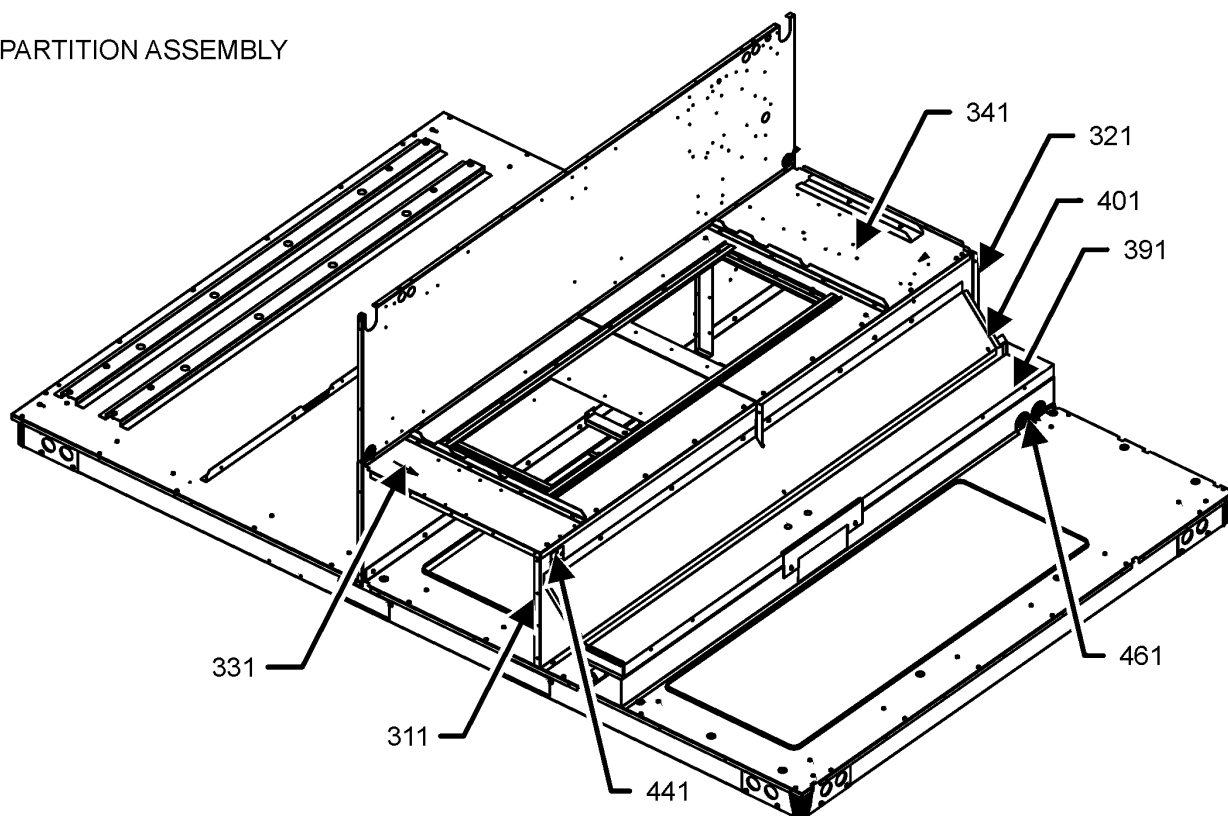
M1 - DSC3003D000001SAA
M2 - DSC3004D000001SAA
M3 - DSC3007D000001SAA

Partition, Evaporator, Condenser Assembly

PARTITION, EVAPORATOR, CONDENSER ASSEMBLY



PARTITION ASSEMBLY



PARTITION, EVAPORATOR, CONDENSER ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

Partition, Evaporator, Condenser Assembly

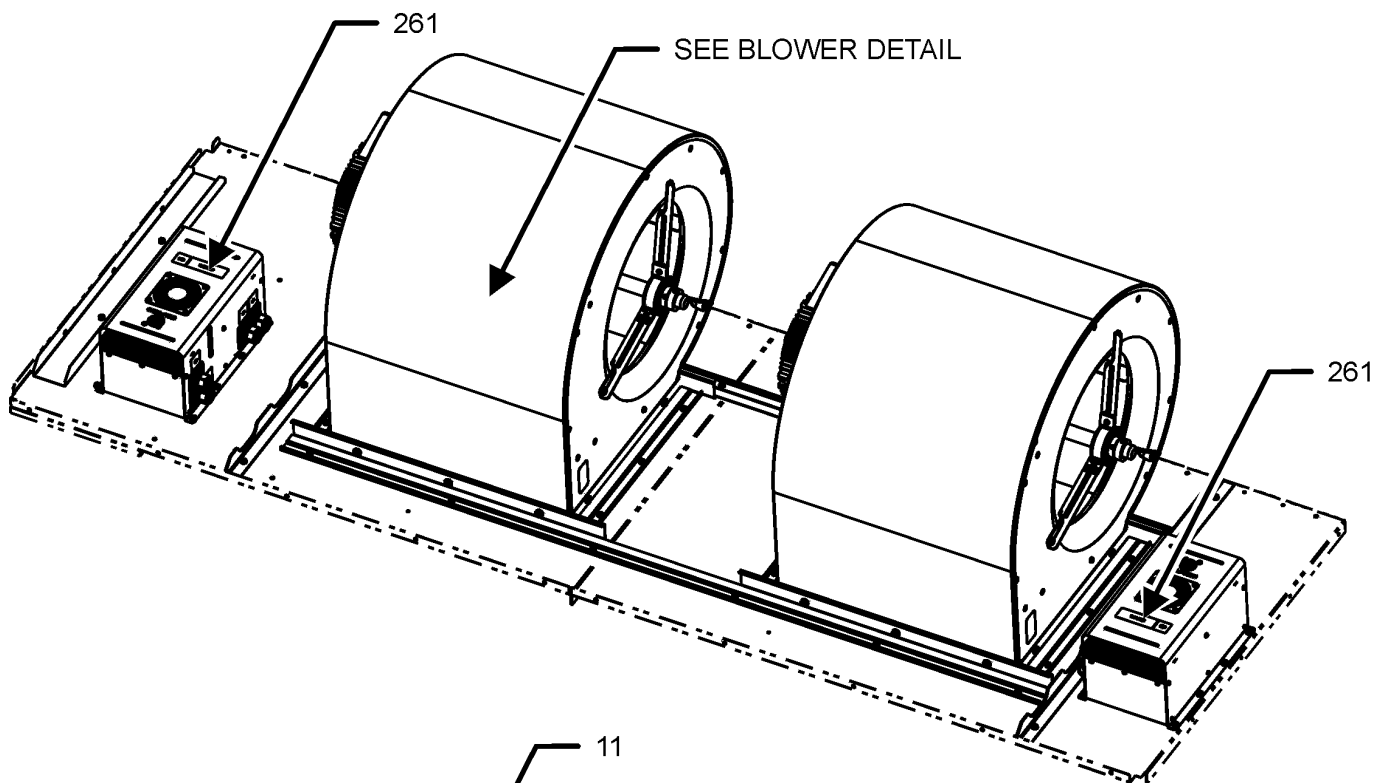
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0202L00725		EVAPORATOR COIL ASSEMBLY
41	0251L00191		EXPANSION VALVE ASSEMBLY C1
51	0251L00192		EXPANSION VALVE ASSEMBLY C2
111	0121L04635		BRACKET - CONDENSOR END
121	0121L04529		BRACKET - CONDENSOR END
201	0121L04608SB		PAINTED CORNER POST (QTY 2)
211	0121L01144SB		POST COND PANEL PNT (QTY 2)
281	0201L00845		COND COIL, MICROCHNL 25MM (QTY 2)
311	0121L05236		DECK, SIDE DUCT END
321	0121L05351		DECK-SIDE, HEAT END
331	0121L05346		DECK, BLOWER EVAP SIDE
341	0121L05345		DECK, CONTROL BOX END
391	0270L02431DG		PAINTED DRAIN PAN WELDMENT
401	0121L05431		SHIELD, BLOWOFF
441	0121L00321		COVER SMOKE DETECTOR
461	0164G00004		GROMMET HORSESHOE 1.75 (QTY 3)
NS	0121L00593		COVER FLUW HOLE
NS	0163L00045		FITTING DRAIN EXIT
NS	0121L04841		MOUNTING PLATE-ELECT HEAT
NS	0121L04881		SUPPORT-ELECTRIC HEAT

Expanded Model Nomenclature

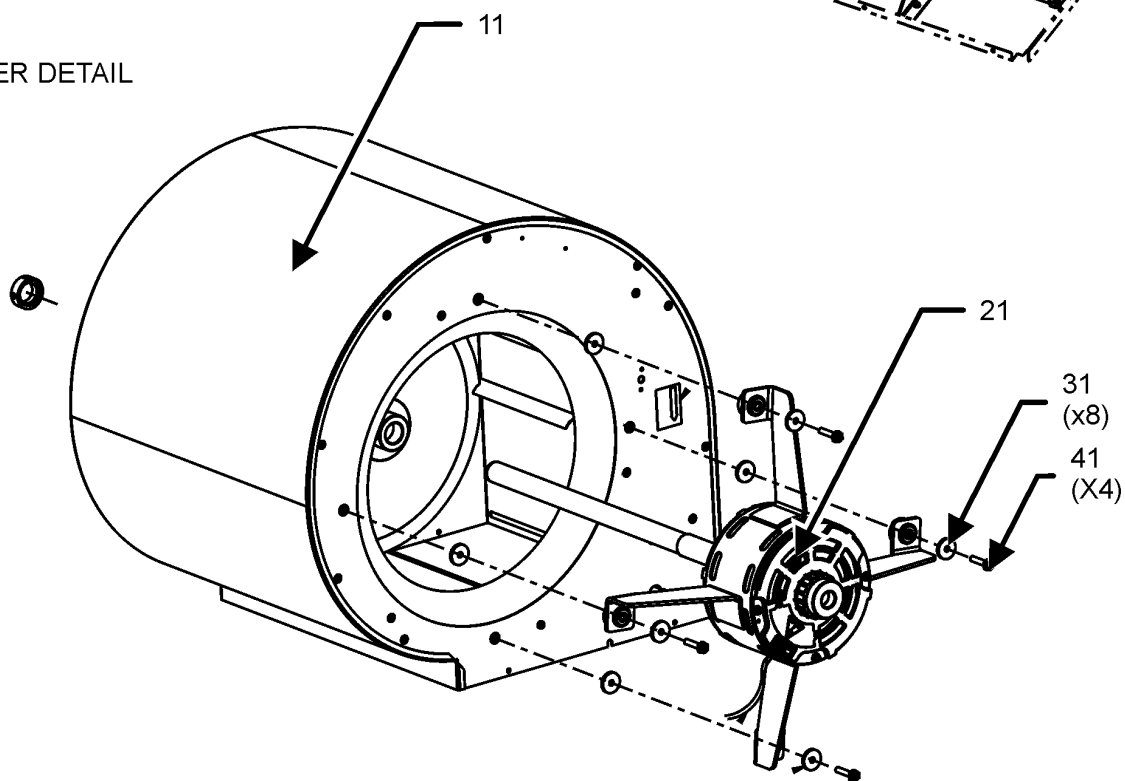
M1 - DSC3003D000001SAA
M2 - DSC3004D000001SAA
M3 - DSC3007D000001SAA

Blower Assembly

BLOWER ASSEMBLY



BLOWER DETAIL



BLOWER ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

Blower Assembly

Ref. Part			Ref. Part		
No:	No:	Description:	No:	No:	Description:

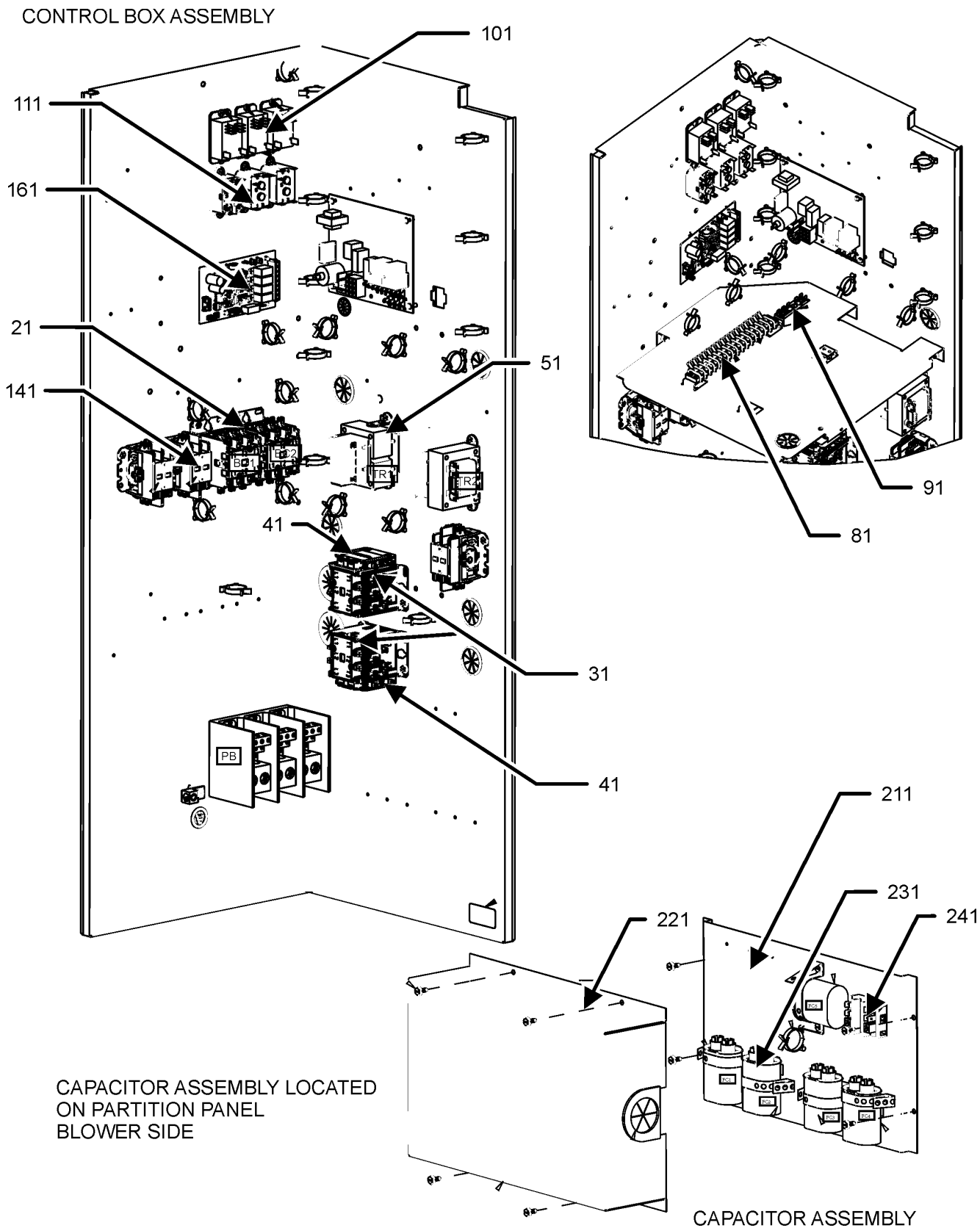
Image 1:

11	0271L00385	BLOWER ASSEMBLY (QTY 2)
21	0131L00214	MOTOR 5.0 HP (M1)
21	0131L00215	MOTOR 5.0 HP (M2)
21	0131L00216	MOTOR 5.0 HP (M3)
31	B1392918	WASHER FLAT 1/4 IDX1OD (QTY 16)
41	M0250565	SCREW TC 1.25 (QTY 8)
261	0131L00715	PROGRAM MOTOR CONTROLLER

Expanded Model Nomenclature

M1 - DSC3003D000001SAA
M2 - DSC3004D000001SAA
M3 - DSC3007D000001SAA

Control Box Assembly



CONTROL BOX ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

Control Box Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
21	CONT3P030024D		CONT, 3 POLE, 30 AMP, 24VAC (QTY 2)
31	CONT3P030024D		CONT, 3 POLE, 30 AMP, 24VAC (M2, M3)
31	CONT3P060024D		CONT, 3 POLE, 60 AMP, 24VAC (M1)
41	0130M00913		AUXILLARY SWITCH (QTY 2)
51	0130L00318		TRANSFORMER (M2)
51	0130L00319		TRANSFORMER (M1)
51	0130L00320		TRANSFORMER (M3)
81	0130M00038		TERMINAL BOARD
91	802007090		TERM BOARD
101	0130M00178		DPDT RELAY 24VAC (QTY 3)
111	10135604		RELAY (QTY 3)
141	CONT2P030024D		CONT, 2 POLE, 30 AMP, 24VAC (QTY 2)
161	PCBCM301V0001		PCB, CONTROL, AIR HANDLER
211	0121L04684		PLATE CAPACITOR
221	0121L04920		COVER, CAPACITOR
231	CAP100000370LA		CAP, 10 MFD/370V/OVAL (QTY 5)
241	B1368250		TERMINAL BLOCK A-10KW
NS	0164G00004		GROMMET-HORSESHOE 1.75
NS	0130L00217		POWER BLOCK
NS	20520901		STRAP-CAPACITOR (QTY 5)
NS	B1392104		UNIVERSAL BUSHING UN 875

Expanded Model Nomenclature

M1 - DSC3003D000001SAA

M2 - DSC3004D000001SAA

M3 - DSC3007D000001SAA

ACCESSORY PARTS LIST

NOTE: NOT ALL OPTIONS AVAILABLE FOR ALL PRODUCTS

FOR ACCESSORY PARTS SEE THE FOLLOWING PART MANUAL

RP-FIOPL*
RP-EH[X,S]*L*

Accessory parts

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

NS RP-EH[S,X]*L* ACCESSORY RP MANUAL

NS RP-FIOPL* ACCESSORY RP MANUAL

Expanded Model Nomenclature

M1 - DSC3003D000001SAA

M2 - DSC3004D000001SAA

M3 - DSC3007D000001SAA

Functional Parts

Part

No: **Description:**

0130M00913	AUXILLARY SWITCH (QTY 2)
CAP100000370LA	CAP, 10 MFD/370V/OVAL (QTY 5)
YP137K1TTFDCK	COMPRESSOR (M2)
YP137K1TTFECCK	COMPRESSOR (M3)
YP137KATTF5ESH	COMPRESSOR (M1)
0201L00845	COND COIL, MICROCHNL 25MM (QTY 2)
CONT2P030024D	CONT, 2 POLE, 30 AMP, 24VAC (QTY 2)
CONT3P030024D	CONT, 3 POLE, 30 AMP, 24VAC (QTY 2)
CONT3P030024D	CONT, 3 POLE, 30 AMP, 24VAC (M2, M3)
CONT3P060024D	CONT, 3 POLE, 60 AMP, 24VAC (M1)
0130L00276	CRANK CASE HEATER, 90W, 240V (M1)
0130L00277	CRANK CASE HEATER, 90W, 480V (M2)
0130L00278	CRANK CASE HEATER, 90W, 575V (M3)
0130M00178	DPDT RELAY 24VAC (QTY 3)
0202L00725	EVAPORATOR COIL ASSEMBLY
0251L00191	EXPANSION VALVE ASSEMBLY C1
0251L00192	EXPANSION VALVE ASSEMBLY C2
0131L00216	MOTOR 5.0 HP (M3)
0131L00215	MOTOR 5.0 HP (M2)
0131L00214	MOTOR 5.0 HP (M1)
0131M00925	Nidec Motor, 1/2 HP (M1)
0131M00926	Nidec Motor, 1/2 HP (M2)
0131M00930	Nidec Motor, 1/2 HP (M3)
PCBCM301V0001	PCB, CONTROL, AIR HANDLER
0131L00715	PROGRAM MOTOR CONTROLLER
10135604	RELAY (QTY 3)
SER2A08012	SENSATA, R32 SENSOR
0130M00732	SWITCH LOW PRESSURE (QTY 2)
0130M00730	SWITCH, HIGH PRESSURE (QTY 2)
0130L00320	TRANSFORMER (M3)
0130L00318	TRANSFORMER (M2)
0130L00319	TRANSFORMER (M1)

SPECIAL PARTS

RP-FIOPL*	ACCESSORY RP MANUAL
RP-EH[S,X]*L*	ACCESSORY RP MANUAL

Expanded Model Nomenclature

M1 - DSC3003D000001SAA M2 - DSC3004D000001SAA M3 - DSC3007D000001SAA
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