

## Commercial 25 Ton 2-Speed Package Cooling Units

DCC300XXX3V1DDAA  
DCC300XXX3VHMBAA  
DCC300XXX3VXXXAA  
DCC300XXX4VVXCAA  
DCC300XXX4VXXXAA  
DCC300XXX4VXXYAA  
DCC300XXX7VXXXAA



This manual is to be used by qualified technicians only.

This manual replaces RP-D1066B.

# Important Information

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*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
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Daikin Company, 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 Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

Daikin Company, 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 North America, LLC  
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 North America, LLC  
19001 Kermier Road  
Waller, Texas 77484  
713-861-2500-Telephone  
713-863-2382-Facsimile

# Functional Parts

**Part**

**No: Description:**

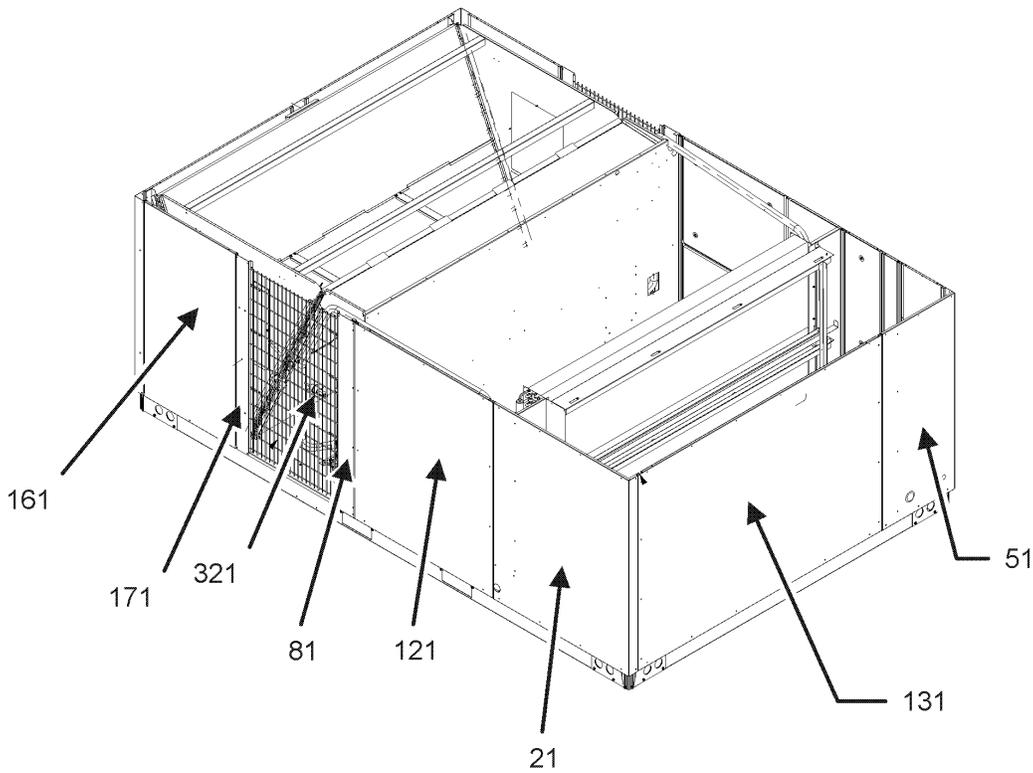
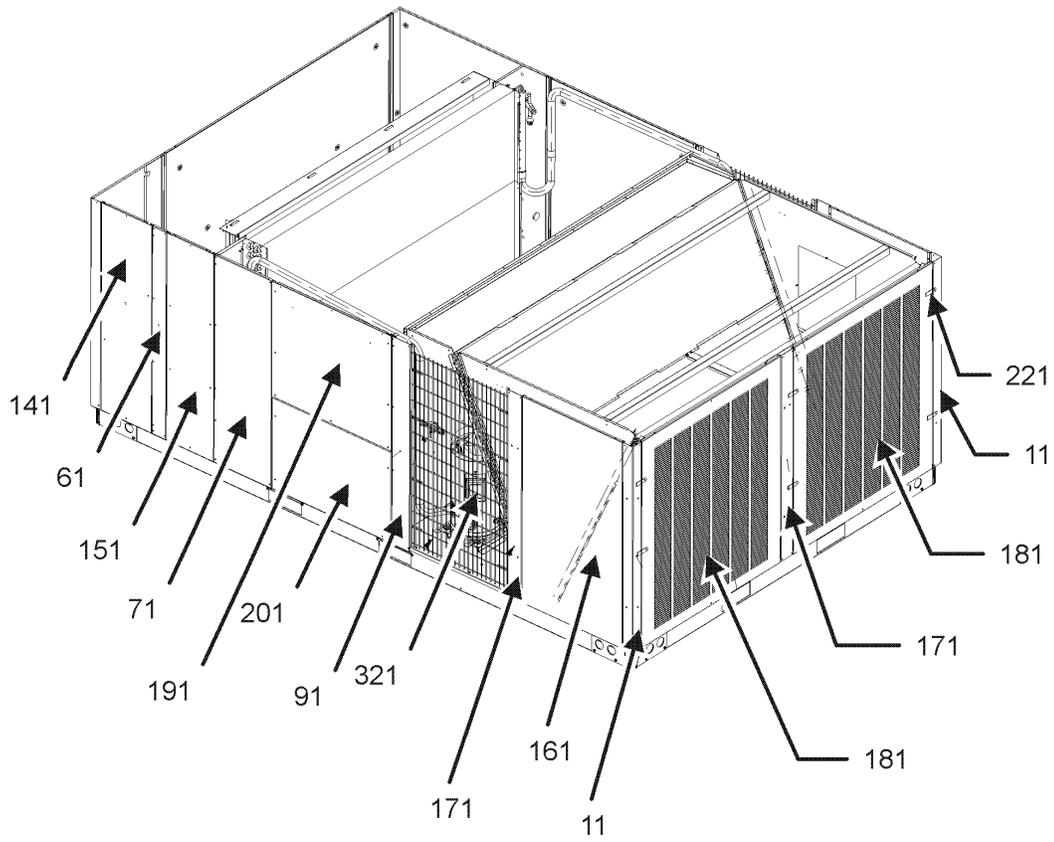
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0271L00027	150-12R BD 1.18 TWIN BLOWER
0130M00249	AUXILLARY SWITCH (QTY 2)
ZP137KCETFE155	COMP, 136,000, 575/60/3 (M7)
ZP137KCETF5250	COMP, 137000, 200/230/60/3 (M1, M2, M3)
ZP137KCETFD155	COMPRESSOR 135,000, 460/60/3 (M4, M5, M6)
CONT3P030024V	CONT, 3 POLE, 30 AMP, 24 VAC (QTY 4)
0130L00020	CRANK CASE HEATER, 90W, 240V (M1, M2, M3)
0130L00021	CRANK CASE HEATER, 90W, 480V (M4, M5, M6)
0130L00022	CRANK CASE HEATER, 90W, 575V (M7)
0164L00013	FAN BELT-NOTCHED
0130M00074	HIGH PRESSURE SWITCH (QTY 2)
0130M00087	LOW PRESSURE SWITCH (QTY 2)
0131L00032	MOTOR, 7.5 HP BELT DRIVE 230V (M1, M2, M3)
0131L00033	MOTOR, 7.5 HP BELT DRIVE 460V (M4, M5, M6)
0131L00034	MOTOR, 7.5 HP BELT DRIVE 575V (M7)
PCBFM103	PCB, TIME DELAY, EBTDR
0130M00042	POWER BLOCK
10135604	RELAY (QTY 3)
0130M00242	RELAY, 24V (QTY 2)
0130M00263	RELAY, THERMISTOR (QTY 2)
0130M00264	RELAY, THERMISTOR
802007090	TERMINAL BOARD
0130M00594	TRANSFORMER (M1, M2, M3)
0130M00595	TRANSFORMER, 75VA, 480V TO 24V (M4, M5, M6)
0130M00598	TRANSFORMER, 75VA, 575V TO 24V (M7)

**Expanded Model Nomenclature**

- |                       |
|-----------------------|
| M1 - DCC300XXX3VHMBAA |
| M2 - DCC300XXX3VXXXAA |
| M3 - DCC300XXX3V1DDAA |
| M4 - DCC300XXX4VVXCAA |
| M5 - DCC300XXX4VXXXAA |
| M6 - DCC300XXX4VXXYAA |
| M7 - DCC300XXX7VXXXAA |

# Cabinet Assembly



# Cabinet Assembly

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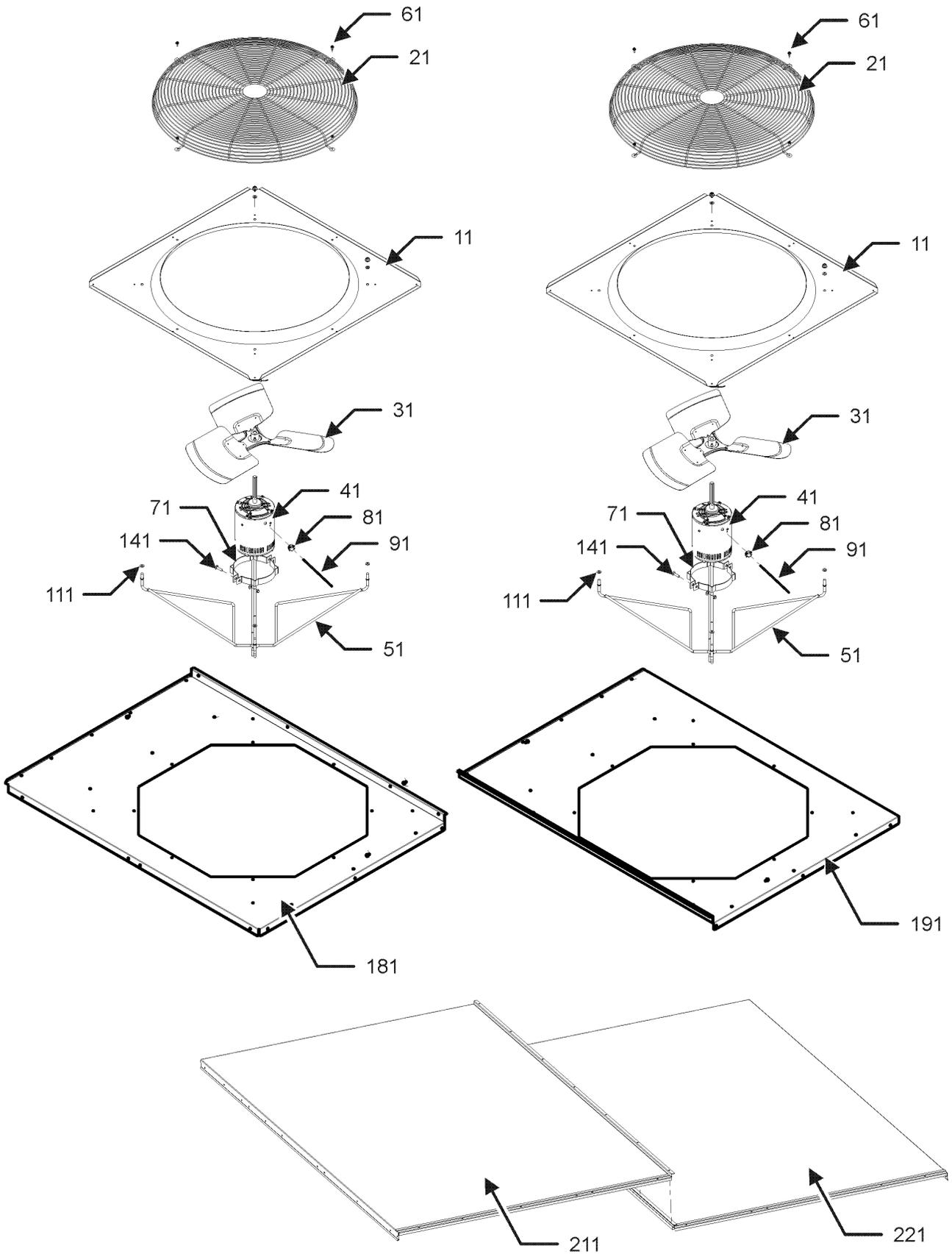
**Image 1:**

11	0121L01143NG	CORNER POST (QTY 2)
21	0121L00681NG	EVAPORATOR PANEL
51	0121L00679NG	CONTROL CORNER PANEL (M2, M4, M5, M6, M7)
51	0121L01900NG	CONTROL CORNER PANEL (M1, M3)
61	0121L01937NG	PNT. POST-CONTROL.FILTER (M1, M3)
61	0121L02048NG	POST-CONTROL /FILTER (M2, M4, M5, M6, M7)
71	0121L00710NG	BLOWER DOOR POST (M2, M4, M5, M6, M7)
71	0121L01479NG	BLOWER DOOR POST (M1, M3)
81	0121L00903NG	PARTITION POST, EVAP SIDE
91	0121L00906NG	PARTITION POST, (COOL) HT (M2, M4, M5, M6,
91	0121L01480NG	POST- PARTITION, (COOL) HT (M1, M3)
121	0121L00685NG	BLOWER DOOR, EVAP SIDE
131	0121L00688NG	ACCESSORY PANEL
141	0121L00687NG	CONTROL DOOR (M2, M4, M5, M6, M7)
141	0121L01603NG	CONTROL DOOR (M1, M3)
151	0121L00686NG	FILTER DOOR (M2, M4, M5, M6, M7)
151	0121L01601NG	FILTER DOOR (M1, M3)
161	0121L00907NG	CONDENSER SIDE PANEL (QTY 2)
171	0121L01144NG	CONDENSER PANEL POST (QTY 3)
181	0121L01174NG	LOUVER PANEL (QTY 2)
191	0121L00713NG	BLOWER DOOR , GAS
201	0121L00708NG	ELECTRIC HEAT DOOR
221	0121L00476NG	DOOR TURNBUCKLE (QTY 16)
321	0152L00000	GRILLE-CONDENSER (QTY 2)
NS	0121L00800NG	DUCT PANEL (M1, M3)
NS	0163M00306	HINGE (QTY 2)
NS	M0204317	SCREW-MACH (QTY 16)

**Expanded Model Nomenclature**

M1 - DCC300XXX3VHMBAA
M2 - DCC300XXX3VXXXAA
M3 - DCC300XXX3V1DDAA
M4 - DCC300XXX4V VXCAA
M5 - DCC300XXX4V XXXAA
M6 - DCC300XXX4V XXYAA
M7 - DCC300XXX7V XXXAA

# Top Panel Assembly



# Top Panel Assembly

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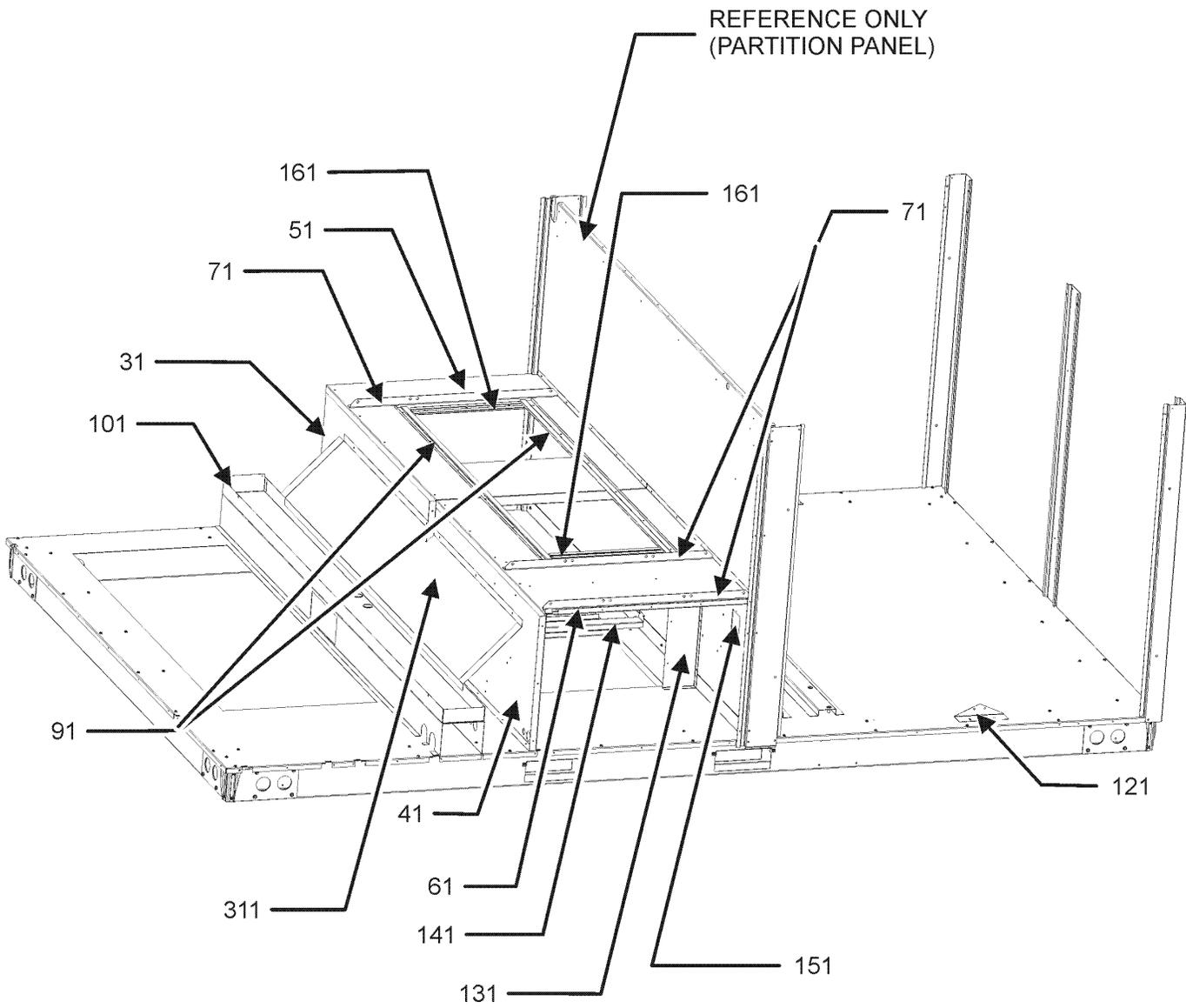
**Image 1:**

11	0121L01151NG	FAN PANEL 30" (QTY 2)
21	0152L00003	FAN GRILLE (QTY 2)
31	0150M00044	FAN BLADE (QTY 2)
41	0131M00697	MOTOR, COND (M1, M2, M3, M4, M5, M6)
41	0131M00721	MOTOR, COND 575 V (M7)
51	0163L00080	MOTOR MOUNT (QTY 2)
61	0163M00097	WASHERED SCREW (QTY 16)
71	0163L00082	MOTOR CLAMP BAND (QTY 2)
81	B1393726	ELECT. CONNECTING BUSHING (QTY 2)
91	0259L00219	POWER HARNESS, CM PIGTAIL (QTY 2)
111	B1392912	FLAT WASHER 3/8 ID X 7/8 OD (QTY 16)
141	0163M00275	CARRIAGE BOLT (QTY 4)
181	0121L01081NG	TOP, FAN C1
191	0121L01094NG	TOP, FAN C2
211	0121L00693NG	TOP ASSY, CONTROL SIDE
221	0121L00694NG	TOP ASSY, EVAP SIDE

**Expanded Model Nomenclature**

M1 - DCC300XXX3VHMBAA
M2 - DCC300XXX3VXXXAA
M3 - DCC300XXX3V1DDAA
M4 - DCC300XXX4V V XCAA
M5 - DCC300XXX4V XXXAA
M6 - DCC300XXX4V XXYAA
M7 - DCC300XXX7V XXXAA

# Partition Assembly



# Partition Assembly

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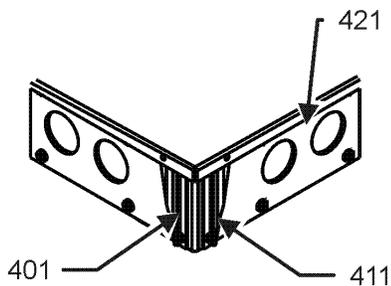
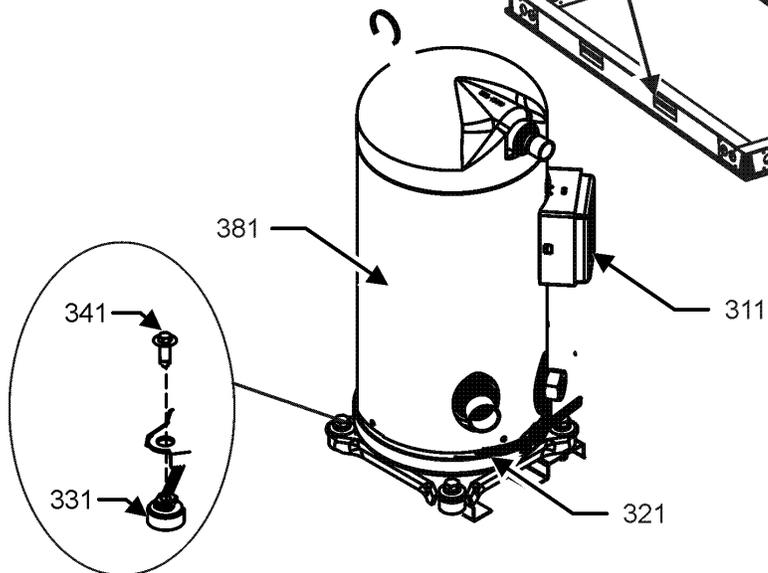
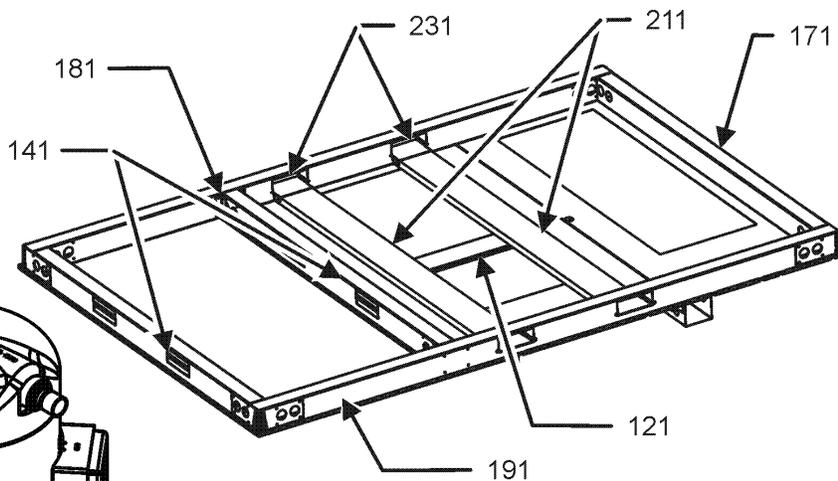
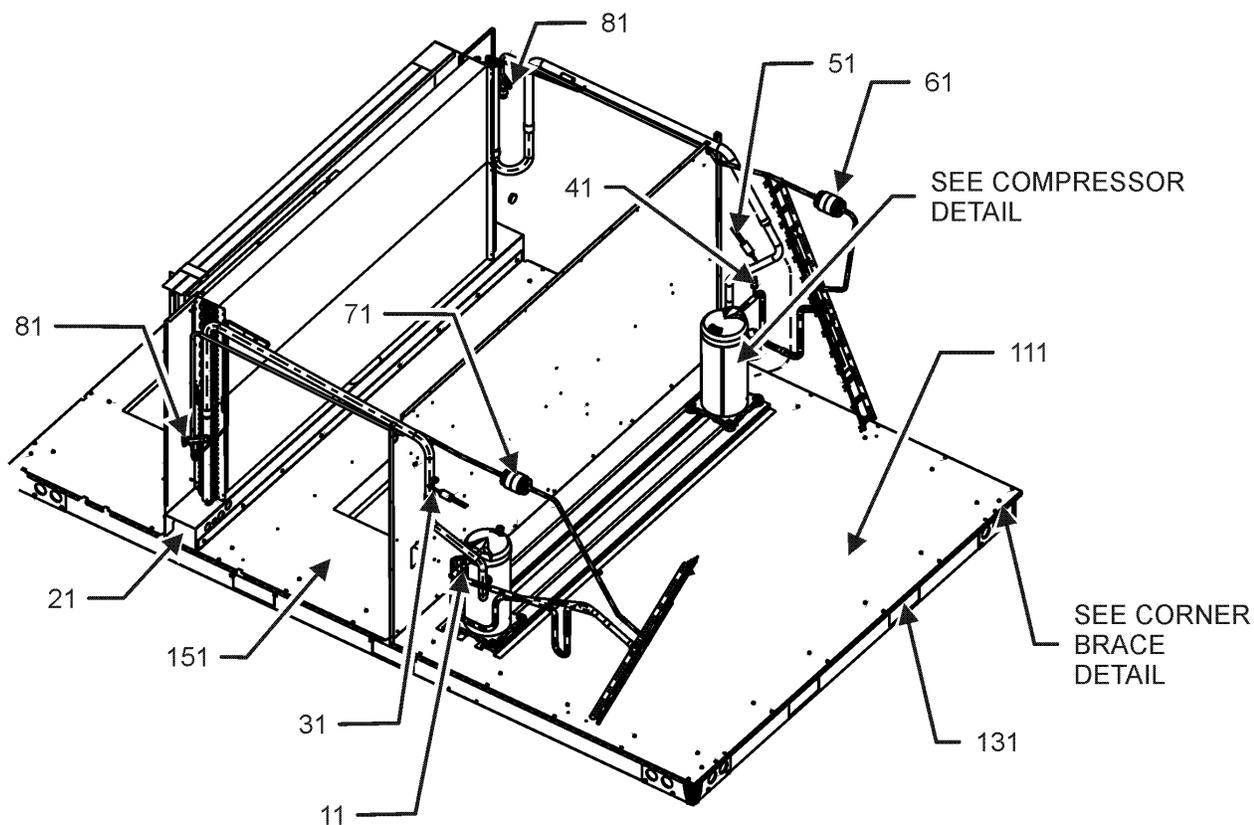
**Image 1:**

31	0121L01163	DECK SIDE, DUCT END
41	0121L01162	DECK SIDE, HT END
51	0121L01160	BLOWER DECK, EVAP SIDE
61	0121L01161	BLOWER DECK, MOTOR SIDE
71	0121L01431	ANGLE, MOTOR MOUNT (QTY 3)
91	0121L00478	BLOWER DECK RAIL (QTY 2)
101	0270L00612DG	DRAIN PAN, WELDMENT, PAINTED
121	0121L00913	BRACKET-COND/BASEPAN (QTY 2)
131	0121L00591	ELECTRIC HEAT MOUNTING PLATE
141	0121L00592	ELECTRIC HEAT SUPPORT
151	0121L00593	FLUE HOLE COVER
161	0121L00481	BLOWER RAIL (QTY 2)
311	0121L01158	SHIELD-BLOWOFF

**Expanded Model Nomenclature**

M1 - DCC300XXX3VHMBAA
M2 - DCC300XXX3VXXXAA
M3 - DCC300XXX3V1DDAA
M4 - DCC300XXX4VXCAA
M5 - DCC300XXX4VXXXAA
M6 - DCC300XXX4VXXYAA
M7 - DCC300XXX7VXXXAA

# Compressor and Tubing Assembly



COMPRESSOR DETAIL

CORNER BRACE DETAIL

# Compressor and Tubing Assembly

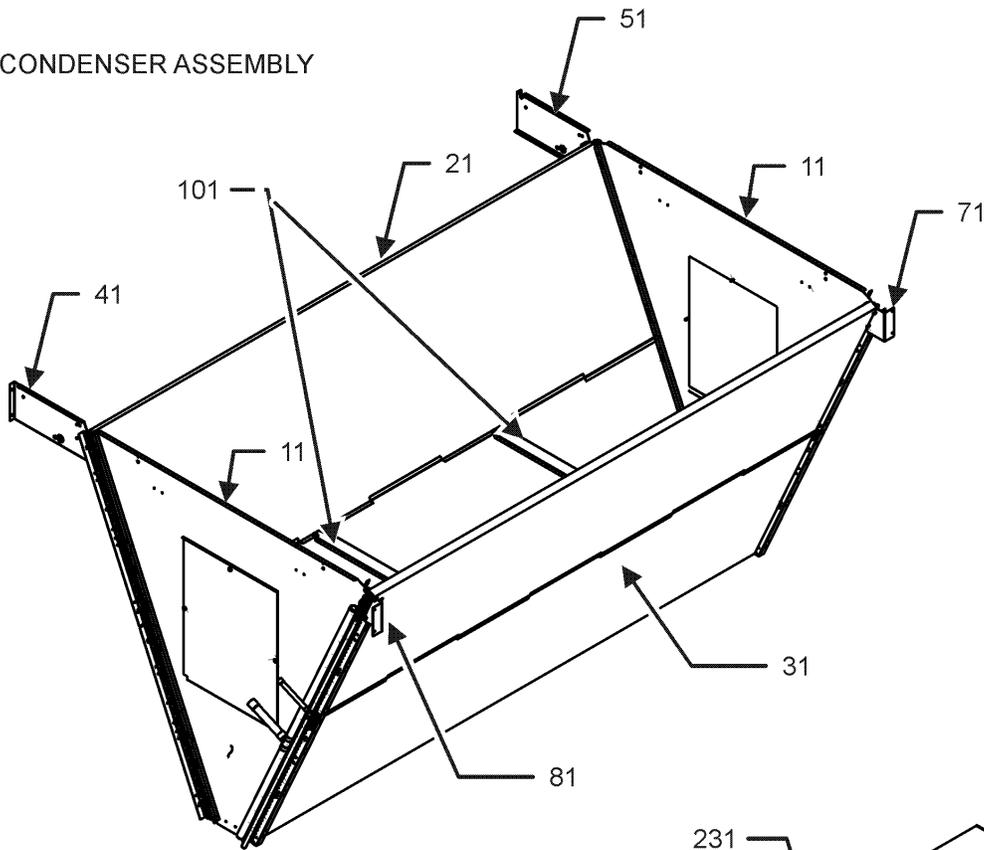
Ref. Part No:	Ref. Part No:	Description:	Description:
<b>Image 1:</b>			
11	0130M00074	HIGH PRESSURE SWITCH	
21	0270L00189	BASEPAN WELDMENT, RETURN SIDE	
31	0130M00087	LOW PRESSURE SWITCH	
41	0130M00074	HIGH PRESSURE SWITCH	
51	0130M00087	LOW PRESSURE SWITCH	
61	0162L00025	FILTER DRIER	
71	0162L00025	FILTER DRIER	
81	0210L00470	TXV WELDMENT (QTY 2)	
111	0270L00336	BASEPAN WELD, OUTDOOR	
121	0121L00605	FORK BOARD PLATE	
131	0121L00720	SIDE RAIL	
141	0121L00721	BASE RAIL, CONDENSER END (QTY 2)	
151	0121L00948	BASE PAN-SUPPLY	
171	0121L00722	BASE RAIL, ACCESSORY END	
181	0121L00625	COMPRESSOR RAIL BRACKET (QTY 4)	
191	0121L00719	CONTROL SIDE BASE RAIL	
211	0141L00029	FORK BOARD (QTY 2)	
231	0121L00724	FORK BOARD BRACKET (QTY 4)	
311	0159L00061	COMPRESSOR SCROLL HARNESS (M1, M2, M3)	
311	0159L00062	COMPRESSOR SCROLL HARNESS (M1, M2, M3)	
311	0159L00063	COMPRESSOR SCROLL HARNESS (M4, M5, M6, M7)	
311	0159L00064	COMPRESSOR SCROLL HARNESS (M4, M5, M6, M7)	
321	0130L00020	CRANK CASE HEATER, 90W, 240V (M1, M2, M3)	
321	0130L00021	CRANK CASE HEATER, 90W, 480V (M4, M5, M6)	
321	0130L00022	CRANK CASE HEATER, 90W, 575V (M7)	
331	0164M00018	COMPRESSOR GROMMET (QTY 8)	
341	B1393740	COMPRESSOR BOLT & SLEEVE (QTY 8)	
381	ZP137KCETFE155	COMP, 136,000, 575/60/3 (M7)	
381	ZP137KCETF5250	COMP, 137000, 200/230/60/3 (M1, M2, M3)	
381	ZP137KCETFD155	COMPRESSOR 135,000, 460/60/3 (M4, M5, M6)	
401	0121L00616	RAIL BRACE ANGLE, RIGHT (QTY 4)	
411	0121L00617	RAIL BRACE ANGLE, LEFT (QTY 4)	
421	0121L00723	BASE RAIL CORNER BRACE (QTY 4)	
NS	0163M00175	CAP WITH O-RING (QTY 6)	
NS	0121L00321	SMOKE DETECTOR COVER	

## Expanded Model Nomenclature

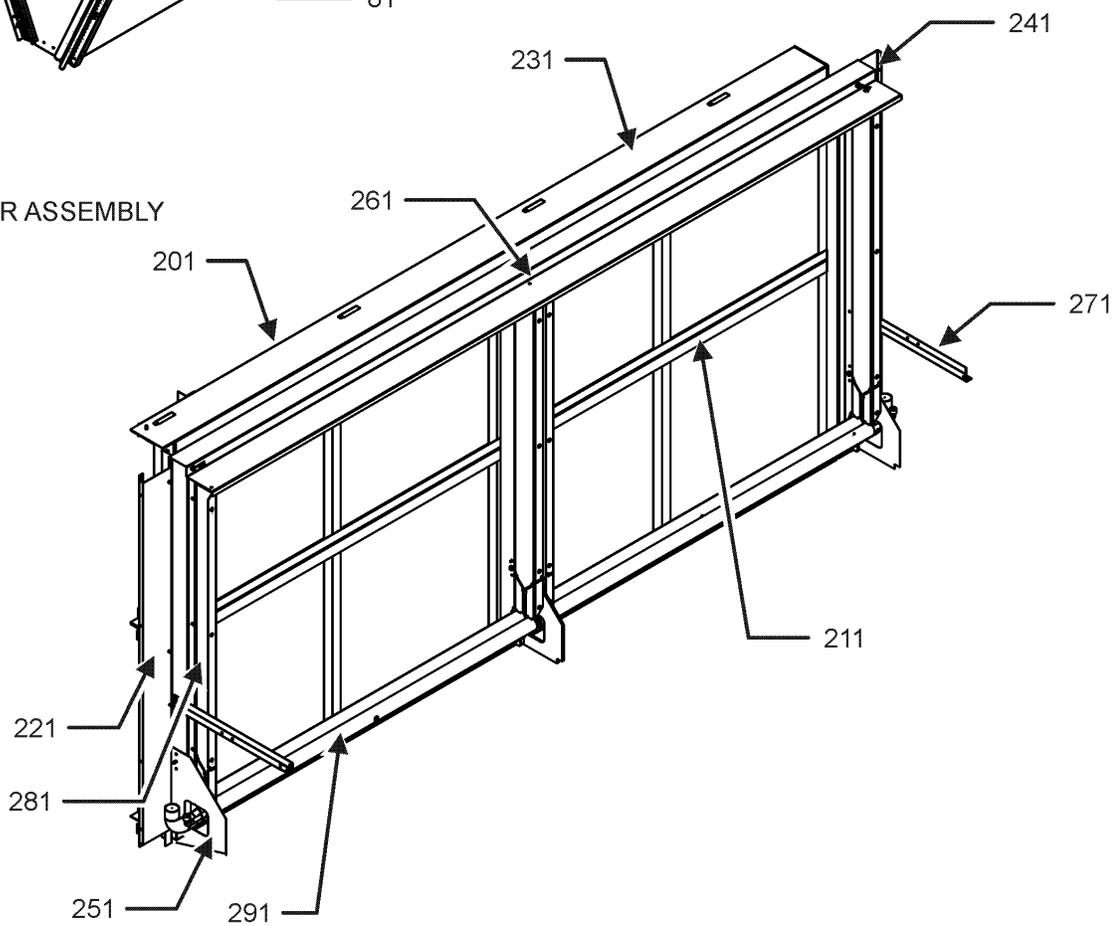
M1 - DCC300XXX3VHMBAA
M2 - DCC300XXX3VXXXAA
M3 - DCC300XXX3V1DDAA
M4 - DCC300XXX4VVXCAA
M5 - DCC300XXX4VXXXAA
M6 - DCC300XXX4VXXYAA
M7 - DCC300XXX7VXXXAA

# Condenser and Evaporator Assembly

CONDENSER ASSEMBLY



EVAPORATOR ASSEMBLY



# Condenser and Evaprotator Assembly

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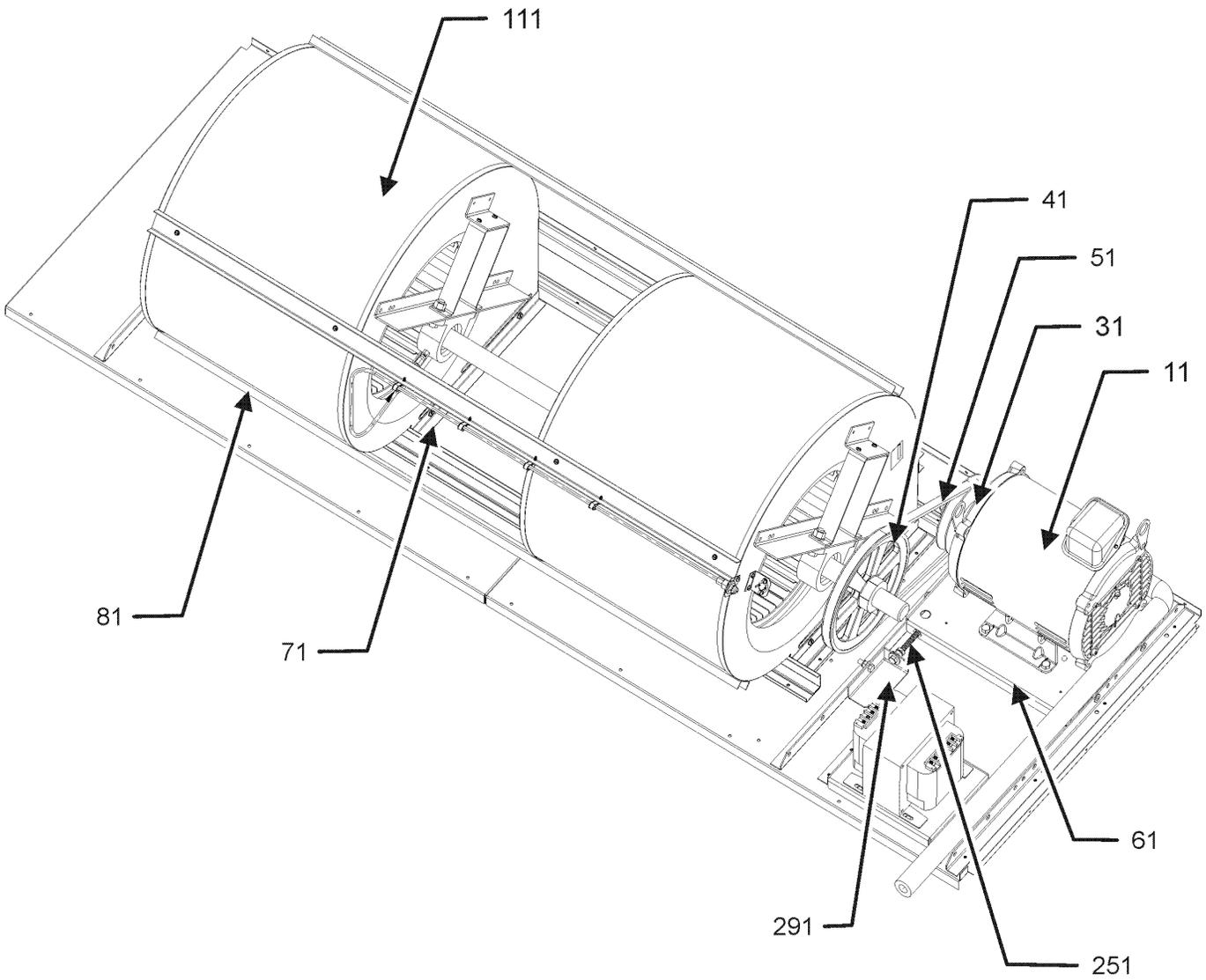
**Image 1:**

11	0121L00854	END COVER-CONDENSER (QTY 2)
21	0201L00151	CONDENSER COIL ASSY C1
31	0201L00152	CONDENSER COIL ASSY C2
41	0121L01154	BRACKET-CONDENSER END
51	0121L01156	BRACKET-CONDENSER END
71	0121L01153	BRACKET-COND/POST
81	0121L01155	BRACKET-COND/POST
101	0121L00901	COND COILS BRACE (QTY 2)
201	0202L00102	EVAP COIL ASSY C1
211	0270L00614	CENTER FILTER RACK
221	0121L01086	EVAP BLOCKOFF, RIGHT
231	0202L00103	EVAP COIL ASSY C2
241	0121L01085	EVAP BLOCKOFF, LEFT
251	0121L01133	END SUPPORT PLATE (QTY 2)
261	0121L01188	TOP FILTER RACK
271	0121L02259	SUPPORT BRACKET, EVAP-RH (QTY 2)
281	0121L01184	ANGLE, FILTER RACK
291	0121L01187	BOTTOM FILTER RACK
NS	0160L00136	Air Filter 20x20x2 (QTY 8)
NS	0121L01178	ANGLED FILTER SLIDER (QTY 4)
NS	0121L01139	BOTTOM BLOCKOFF, FILTER RACK
NS	0121L01137	FILTER PULL (QTY 2)
NS	0121L00632	FILTER SUPPORT ANGLE
NS	0121L01089	MIDDLE EVAP BLOCKOFF, LEFT
NS	0121L01088	MIDDLE EVAP BLOCKOFF, RIGHT

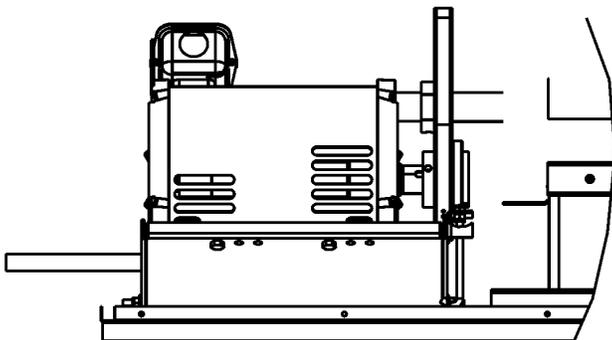
**Expanded Model Nomenclature**

- |                         |
|-------------------------|
| M1 - DCC300XXX3VHMBA A  |
| M2 - DCC300XXX3VXXXAA   |
| M3 - DCC300XXX3V1DDAA   |
| M4 - DCC300XXX4V VXC AA |
| M5 - DCC300XXX4VXXXAA   |
| M6 - DCC300XXX4VXXYAA   |
| M7 - DCC300XXX7VXXXAA   |

# Blower Assembly



MOTOR SIDE VIEW



# Blower Assembly

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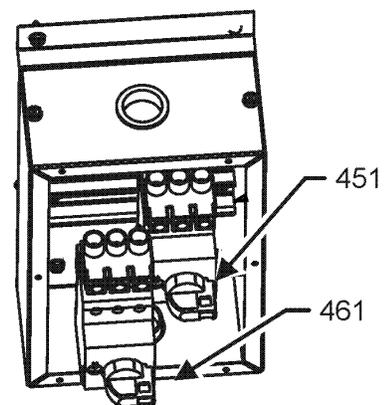
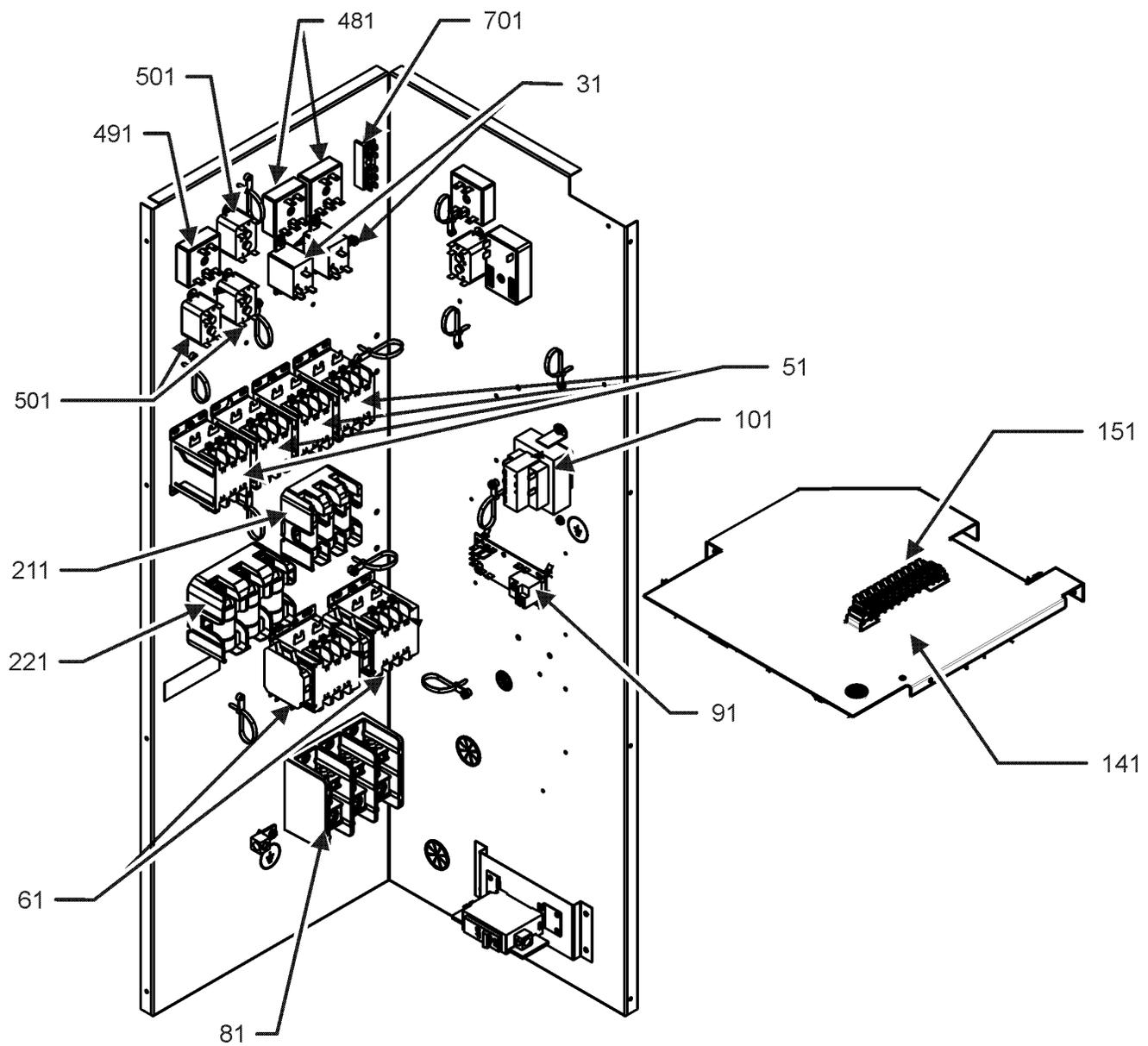
**Image 1:**

11	0131L00032	MOTOR, 7.5 HP BELT DRIVE 230V (M1, M2, M3)
11	0131L00033	MOTOR, 7.5 HP BELT DRIVE 460V (M4, M5, M6)
11	0131L00034	MOTOR, 7.5 HP BELT DRIVE 575V (M7)
31	0163L00052	SHEAVE-VARIABLE PITCH
41	0163L00141	SHEAVE, FIXED BK110H
51	0164L00013	FAN BELT-NOTCHED
61	0121L01430	BASE, MOTOR
71	0121L00482	BLOWER SIDE ANGLE (QTY 4)
81	0121L00479	BLOWER RAIL (QTY 2)
111	0271L00027	150-12R BD 1.18 TWIN BLOWER
251	0163M00351	BOLT, 3/8-16-6
291	0121L01429	BRACKET, DRIVE SCREW
NS	0163M00352	3/8-16 JAM NUT
NS	0163M00084	HEX LOCKNUT, NYLON INSERT
NS	0163M00085	WASHER (QTY 4)
NS	B1392923	WASHER, FLAT (QTY 3)

**Expanded Model Nomenclature**

- M1 - DCC300XXX3VHMBAA
- M2 - DCC300XXX3VXXXAA
- M3 - DCC300XXX3V1DDAA
- M4 - DCC300XXX4V V XCAA
- M5 - DCC300XXX4VXXXAA
- M6 - DCC300XXX4VXXYAA
- M7 - DCC300XXX7VXXXAA

# Control Assembly



# Control Assembly

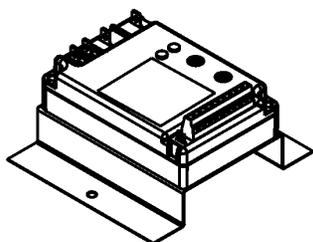
Ref. Part No:	Ref. Part No:	Description:	Description:
<b>Image 1:</b>		<b>Image 1:</b>	
31	0130M00242	RELAY, 24V (QTY 2)	NS 0259L00090 WIRE HARNESS-SMOKE DETECTOR (M3, M6)
51	CONT3P030024V	CONT, 3 POLE, 30 AMP, 24 VAC (QTY 4)	NS 0259L00557 WIRING HARNESS (M3)
61	0130M00249	AUXILLARY SWITCH (QTY 2)	<b>Expanded Model Nomenclature</b>
81	0130M00042	POWER BLOCK	M1 - DCC300XXX3VHMBA A
91	PCBFM103	PCB, TIME DELAY, EBTDR	M2 - DCC300XXX3VXXXA A
101	0130M00594	TRANSFORMER (M1, M2, M3)	M3 - DCC300XXX3V1DDA A
101	0130M00595	TRANSFORMER, 75VA, 480V TO 24V (M4, M5, M6)	M4 - DCC300XXX4VXXCAA
101	0130M00598	TRANSFORMER, 75VA, 575V TO 24V (M7)	M5 - DCC300XXX4VXXXA A
141	0121L01281	HIGH VOLTAGE BARRIER	M6 - DCC300XXX4VXXYA A
151	0130M00240	TERMINAL BOARD	M7 - DCC300XXX7VXXXA A
211	0130M00246	FUSE BLOCK	
221	0130M00247	FUSE BLOCK	
451	0130L00083	ROTARY MANUAL MOTOR PROTECTOR (M4, M5, M6, M7)	
451	0130L00085	ROTARY MANUAL MOTOR PROTECTOR (M1, M2, M3)	
461	0130L00084	ROTARY MANUAL MOTOR PROTECTOR (M4, M5, M6, M7)	
461	0130L00086	ROTARY MANUAL MOTOR PROTECTOR (M1, M2, M3)	
481	0130M00263	RELAY, THERMISTOR (QTY 2)	
491	0130M00264	RELAY, THERMISTOR	
501	10135604	RELAY (QTY 3)	
701	802007090	TERMINAL BOARD	
NS	0121L01012	CIRCUIT BREAKER BOX	
NS	0121L01011	CIRCUIT BREAKER BOX BRACKET	
NS	0121L01013	CIRCUIT BREAKER BOX COVER	
NS	0259L00190	CIRCUIT BREAKER HARNESS	
NS	0259L00190	CIRCUIT BREAKER HARNESS	
NS	0130L00101	FUSE, J CLASS (QTY 3)	
NS	0130L00102	FUSE, J CLASS (QTY 3)	
NS	0259L00473	HARN PHASE MONITOR HIGH VOLT (M1)	
NS	0259L00474	HARN PHASE MONITOR LOW VOLT (M1)	
NS	0259L00252	HARN, BC_BR_CCR, 2 SPD EM	
NS	0259L00278	HARN, CH/LPS/HPS, C1	
NS	0259L00279	HARN, CH/LPS/HPS, C2	
NS	0259L00284	HARN, CNTL, COOL	
NS	0259L00235	HARN, IGN, SUB-ASSY 5	
NS	0259L00219	HARN, PWR, CM PIGTAIL (QTY 4)	
NS	0259L00218	HARN, PWR, CM, C1	
NS	0259L00217	HARN, PWR, CM, C2	
NS	0259L00288	HARN, PWR, EM INTERCONN	
NS	0259L00222	HARN, PWR, FB TO EM_CM, 1 SPD	
NS	0259L00210	HARN, PWR, PB TO CC1 (M1, M2, M3)	
NS	0259L00221	HARN, PWR, PB TO CC1 (M4, M5, M6, M7)	
NS	0259L00211	HARN, PWR, PB TO CC2 (M1, M2, M3)	
NS	0259L00220	HARN, PWR, PB TO CC2 (M4, M5, M6, M7)	
NS	0259L00199	HARN, PWR, PB TO FB	
NS	0259L00285	HARN,CNTL,COOL,SUBASSY 1, HT P	
NS	0259L00238	HARN,CNTL,COOL,SUBASSY 2,ECON	
NS	0259L00247	HARNESS, CC_CMC	
NS	0259L00253	HARNESS, FREEZE STATS ASSY	
NS	0259L00246	HARNESS, LOW AMBIENT (M4, M6)	
NS	0259L00181	HARNESS-BELT DRIVE 2 SP MOTOR	
NS	0259L00181	HARNESS-BELT DRIVE 2 SP MOTOR	
NS	0259L00092	HARNESS-SMOKE DETECTOR SENSOR (M6)	

# ACCESSORY LIST

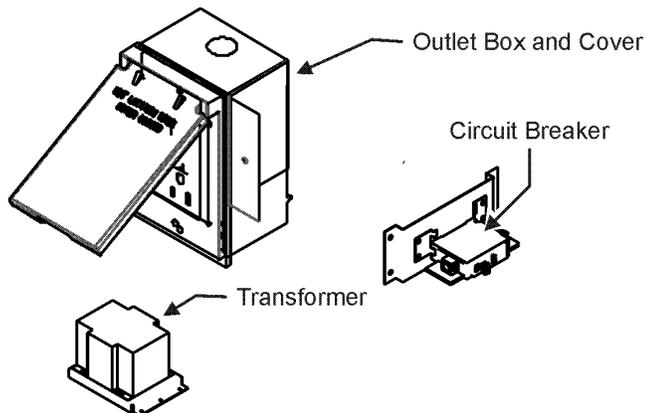
## ACCESSORY PARTS LIST

NOTE: NOT ALL OPTIONS AVAILABLE FOR ALL PRODUCTS

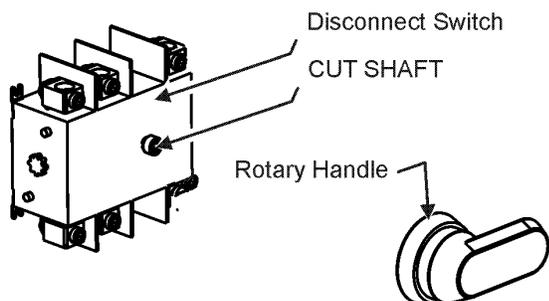
### 1 LOW AMBIENT KITS



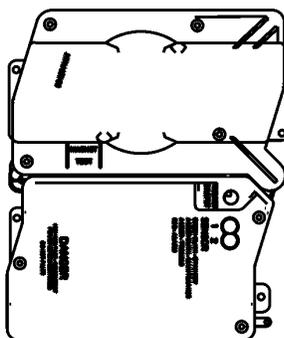
### 2 GFCI CONVENIENCE OUTLET



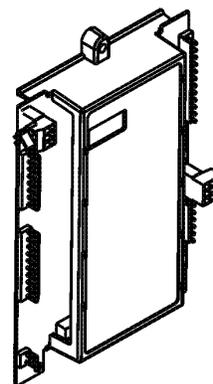
### 3 DISCONNECT MODULE (NON-FUSED)



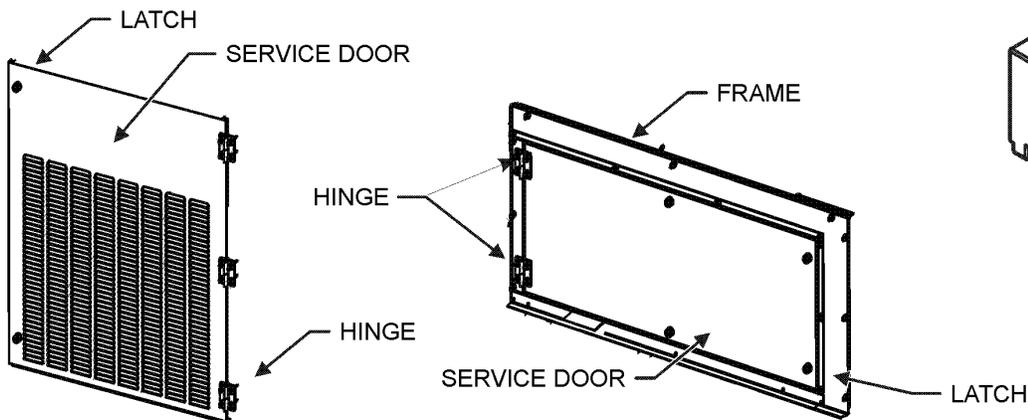
### 4 SMOKE DETECTORS



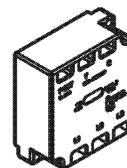
### 5 DDC CONTROL



### 6 HINGED DOOR ASSEMBLIES



### 7 PHASE MONITOR



# ACCESSORY LIST

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

NS DDNECNJ180300B	15-25 TON DFLOW ECON (M4)
NS 0121L00838	BRACKET-DISCONNECT SWITCH (M1, M3)
NS 0121L01053	BRACKET-SMOKE DETECTOR (M6)
NS 0121L00839NG	DISCONNECT COVER (M1, M3)
NS 0130L00038	HANDLE, ROTARY 250A (M1, M3)
NS 0163M00307	HINGE, LEFT HAND (M1, M3)
NS 0163M00360	LATCH (M1, M3)
NS LAKT300FIAC2	LOW AMBIENT 25 TON (M4, M6)
NS 0130M00271	MODULE, CYCLE TIMER (M4, M6)
NS 0130M00265	RELAY, THERMISTOR (M4, M6)
NS RS400	REMOTE SENSOR (M3)
NS SP400	SENSOR PACK (M3)
NS 0121L01486NG	SERVICE DOOR BACK BLOWER (M1, M3)
NS 0121L01484NG	SERVICE DOOR FRAME, BLOWER (M1, M3)
NS 0121L01485NG	SERVICE DOOR FRONT BLOWER (M1, M3)
NS 0130L00060	SHAFT, CUT (M1, M3)
NS 0130L00048	SHAFT, DISCONNECT (M1, M3)
NS D4120	SMOKE DETECTOR, PHOTO 4WIRE (M6)
NS D4S	SMOKE DETECTOR, SENSOR ONLY (M6)
NS 0130M00276	SOLID STATE CONTACTOR (M4, M6)
NS ECP400-5	SURVEYOR ECP (M3)
NS 0130L00030	SWITCH-DISCONNECT 250A (M1, M3)
NS 0259L00557	WIRE HARNESS (M3)

**Expanded Model Nomenclature**

- |                         |
|-------------------------|
| M1 - DCC300XXX3VHMBAA   |
| M2 - DCC300XXX3VXXXAA   |
| M3 - DCC300XXX3V1DDAA   |
| M4 - DCC300XXX4V V XCAA |
| M5 - DCC300XXX4VXXXAA   |
| M6 - DCC300XXX4VXXYAA   |
| M7 - DCC300XXX7VXXXAA   |