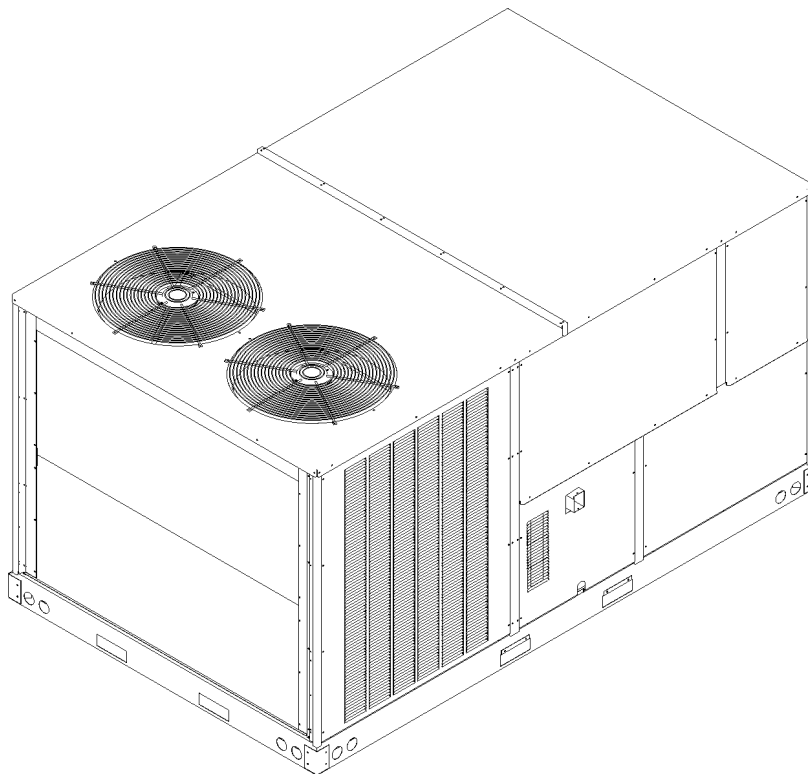


REPAIR PARTS

Light Commercial 3 Phase 7.5 - 8.5 Ton Package Gas

CPG0902103BXSXBA
CPG0902103BXXXBA
CPG0902104BXSXBA
CPG0902104BXXXBA
CPG0902107BXSXBA
CPG0902107BXXXBA
CPG1022103BXSXAA
CPG1022103BXXXAA
CPG1022104BXSXAA
CPG1022104BXXXAA
CPG1022107BXSXAA
CPG1022107BXXXAA



This manual is to be used by qualified technicians only.

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Functional Parts List	3
Illustration and Parts	6 - 19

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

This system uses R410A refrigerant. If sealed system work is required, use approved equipment and follow service procedures. Refer to Service Manual or Installation Instructions for service 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

Goodman Manufacturing 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, Goodman Manufacturing Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

Goodman Manufacturing 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:

Consumer Affairs Department

Goodman Manufacturing Company, L.P.

7401 Security Way

Houston, Texas 77040

877-254-4729-Telephone

713-863-2382-Facsimile

For assistance outside the U.S.A. contact:

International Division

Goodman Manufacturing Company, L.P.

7401 Security Way

Houston, Texas 77040

713-861-2500-Telephone

713-863-2382-Facsimile

Functional Parts

Part

No: Description:

0130M00025S	24V RELAY	IO-337G	INSTALLATION INSTRUCTIONS C/G (M7, M8, M9, M10, M11, M12)
B3240007	BELT DRIVE MOTOR (230/460)/60/3P (M1, M2, M3, M4)	IO-337F	INSTALLATION INSTRUCTIONS GAS (M1, M2, M3, M4, M5, M6)
0131L00004S	BELT DRIVE MOTOR 1.5 HP 575V (M5, M6)	Expanded Model Nomenclature	
B3240006	BELT DRIVE MOTOR 2 HP (M7, M8, M9, M10)		
CAP050000370VAS	CAPACITOR 5/370V (QTY 2)	M1 - CPG0902103BXSXBA M2 - CPG0902103BXXXBA M3 - CPG0902104BXSXBA M4 - CPG0902104BXXXBA M5 - CPG0902107BXSXBA M6 - CPG0902107BXXXBA M7 - CPG1022103BXSXAA M8 - CPG1022103BXXXAA M9 - CPG1022104BXSXAA M10 - CPG1022104BXXXAA M11 - CPG1022107BXSXAA M12 - CPG1022107BXXXAA	
ZP44K5ETFD130	COMP 44000, 460/60/3 (M9)		
ZP44K5ETF5130	COMP, 44000, 200/230/60/3 (M7, M8)		
ZP44K5ETFE130	COMP, 44000, 575/60/3 (M10, M11, M12)		
ZP39K5ETF5830	COMPRESSOR 39000, 200/230/60/3 (M1, M2)		
ZP39K5ETFD830	COMPRESSOR 39000, 460/60/3 (M3, M4)		
ZP39K5ETFE830	COMPRESSOR 39000, 575/60/3 (M5, M6)		
0131M00007PS	COND MOTOR 1/4 HP, 1 SP, 6 PL (M1, M2, M7, M8)		
B13400269S	COND MOTOR 380/460 50/60 CYCLE (M3, M4, M9, M10)		
0131M00098S	COND MOTOR 575V (M5, M6, M11, M12)		
CONT3P025024VS	CONTACTOR 25 AMP, 3P, 24V (QTY 3)		
0130M00031S	CUT-OUT SWITCH, HIGH PRESSURE		
0130M00030S	CUT-OUT SWITCH, HIGH PRESSURE		
0130L00003S	CUT-OUT SWITCH, LOW PRESSURE		
0130L00002S	CUTOUT-LOW PRESSURE		
0130F00010	FLAME SENSOR		
0151L00000S	GAS VALVE, MANIFOLD (36H)		
PCBAG123S	IGNITION BOARD, DSI INTEGRATED		
20261709S	IGNITOR		
10123532	MANUAL RESET LIMIT 350°F		
0131L00005	MOTOR-2 HP BELT DRIVE 575 V (M11, M12)		
0121L00093	POST-LIMIT SWITCH		
11112501S	PRESSURE SWITCH		
0130F00036	PRIMARY LIMIT - PINK		
B1370199	PRIMARY LIMIT SWITCH 190°F		
0130M00038S	TERMINAL BOARD		
B1141663	TRANSFORMER 460V TO 230V, 150 VA (M3, M4, M9, M10)		
B1141672	TRANSFORMER 480V, 75VA, RESETTABLE (M1, M2, M3, M4, M7, M8, M9, M10)		
0130M00044S	TRANSFORMER 575/230V (M5, M6, M11, M12)		
0130M00045S	TRANSFORMER 575/24V (M5, M6, M11, M12)		
0131L00002S	VENT MOTOR		

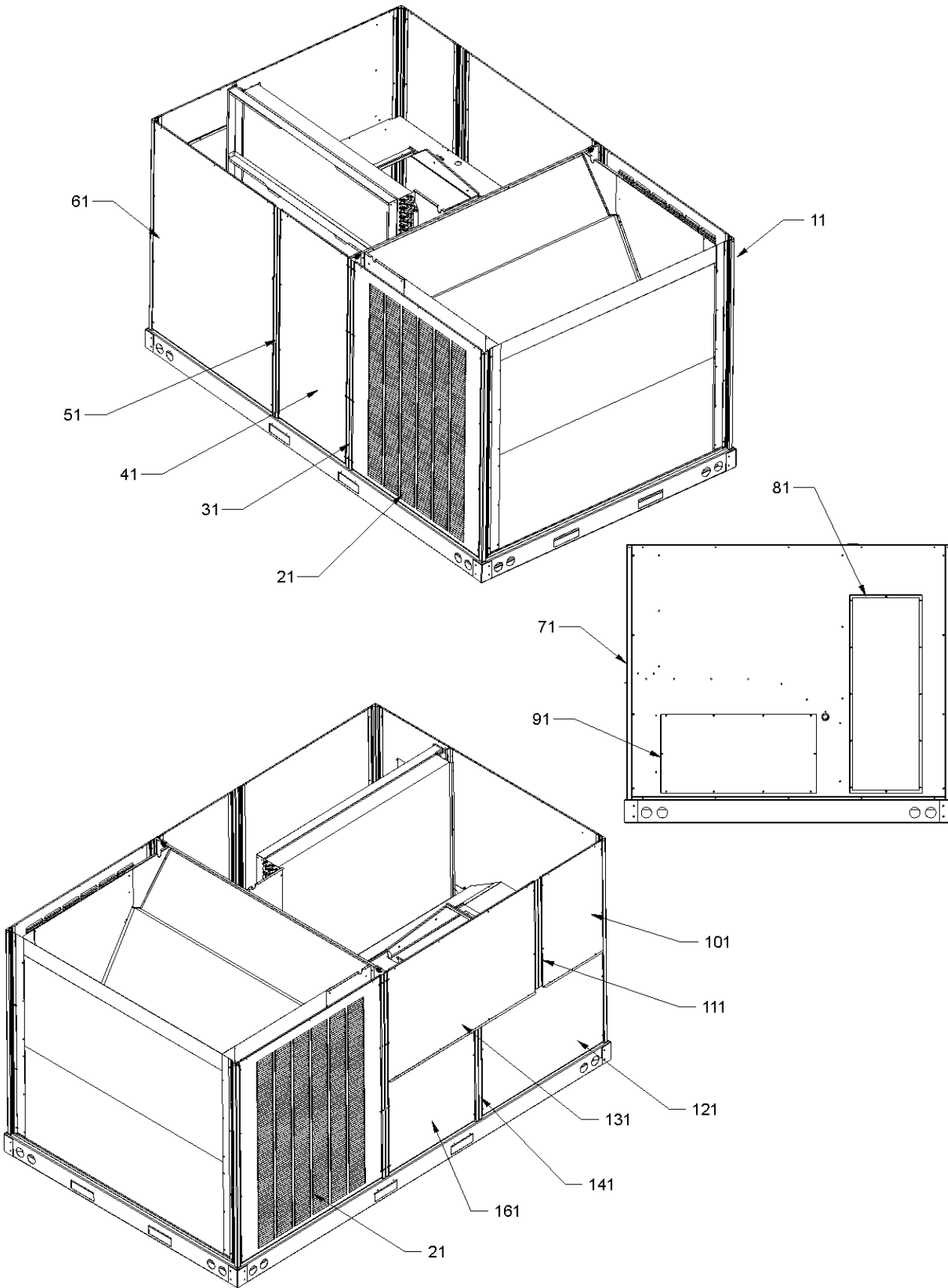
SPECIAL PARTS

HI-122 HOMEOWNER-INSTRUCTIONS

Important Information

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Cabinet Assy



Cabinet Assy

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0121L00065RFDG	CORNER POST (QTY 4)
21	0121L00511DG	LOUVERED SIDE PANEL (QTY 2)
31	0121L00066RFDG	POST-SIDE SUPPORT (QTY 2)
51	0270L00176	INSULATED ASSY, FILTER DOOR
51	0121L00116RFDG	SIDE POST-FILTER DOOR
61	0270L00175	INSULATED ASSY, ECONOMIZER DOOR
71	0270L00180	INSULATED ASSY, DUCT PANEL
81	0270L00041S	INSULATED ASSY, SUPPLY DUCT
91	0270L00040S	INSULATED ASSY, RETURN DUCT
101	0121G00315DG	CONTROL DOOR
111	0121L00067RFDG	POST-CONTROL DOOR
121	0270L00169	INSULATED ASSY, HEAT EXCHANGER DOOR
141	0121L00068RFDG	POST-BURNER DOOR
161	0121L00405DG	BURNER DOOR
161	0270L00165	BURNER DOOR ASSY
NS	0121L00129S	DOOR RAIN SHIELD

Image 2:

132	0270L00174	INSULATED ASSY, BLOWER DOOR
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Expanded Model Nomenclature

M1 - CPG0902103BXSXBA
M2 - CPG0902103BXXXBA
M3 - CPG0902104BXSXBA
M4 - CPG0902104BXXXBA
M5 - CPG0902107BXSXBA
M6 - CPG0902107BXXXBA
M7 - CPG1022103BXSXAA
M8 - CPG1022103BXXXAA
M9 - CPG1022104BXSXAA
M10 - CPG1022104BXXXAA
M11 - CPG1022107BXSXAA
M12 - CPG1022107BXXXAA

Top Panel/Tubing Assy

Image 1

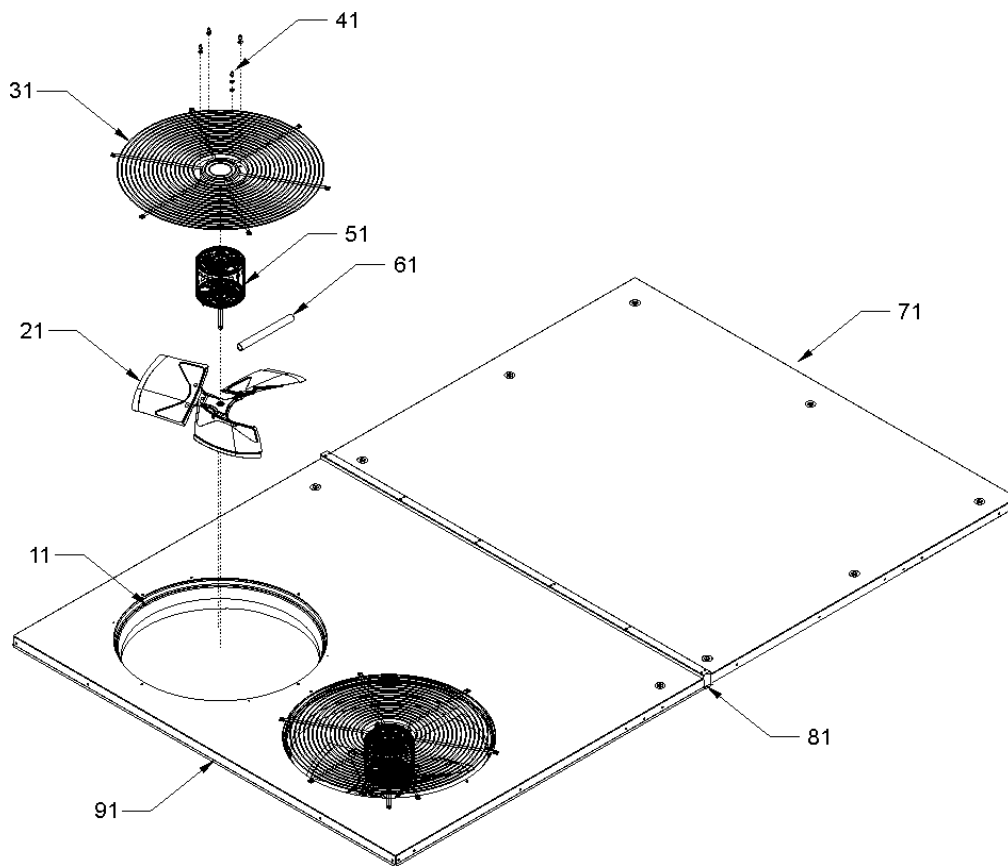
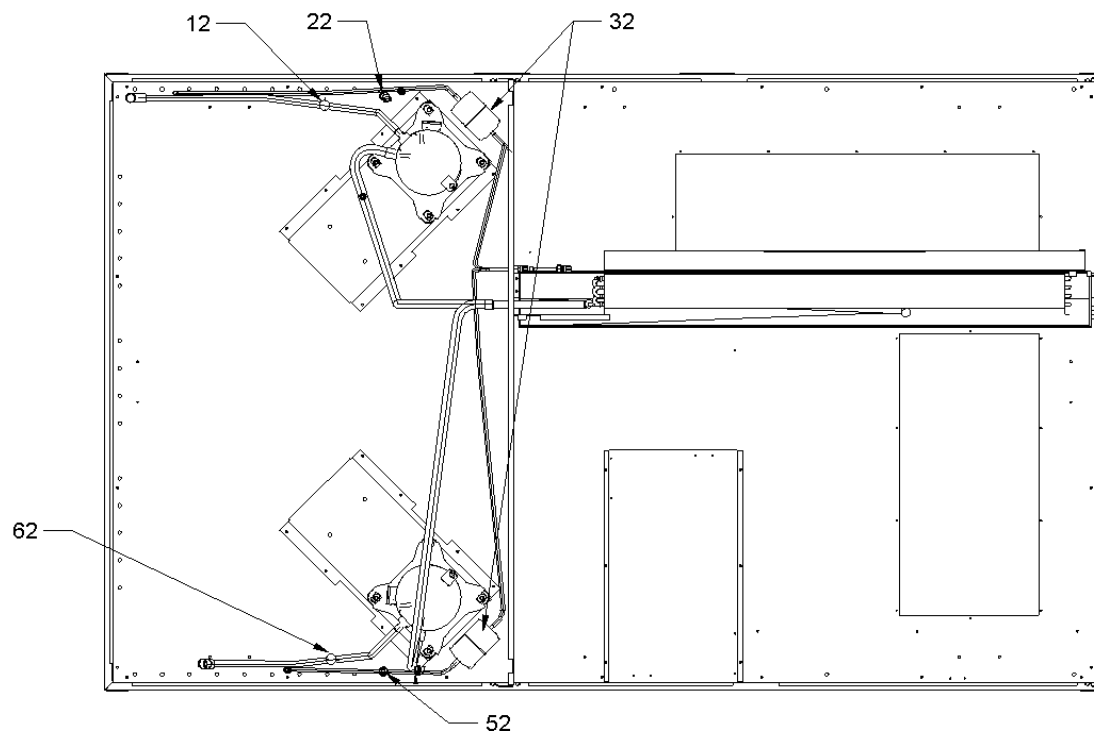


Image 2



Top Panel/Tubing Assy

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

11	0161L00000	VENTURI RING 22" (QTY 2)
21	0150G00001S	FAN BLADE (QTY 2)
31	0152G00002S	FAN GRILLE (QTY 2)
41	0163M00006P	ACORN NUT 5/16 HEX BLACK (QTY 8)
51	0131M00007PS	COND MOTOR 1/4 HP, 1 SP, 6 PL (M1, M2, M7, M8)
51	B13400269S	COND MOTOR 380/460 50/60 CYCLE (M3, M4, M9, M10)
51	0131M00098S	COND MOTOR 575V (M5, M6, M11, M12)
61	17788000083F	PVC CONDUIT 8.25" (QTY 2)
71	0121L00497DG	EVAP TOP PANEL
91	0121G00312DGS	COND TOP PANEL
NS	0259L00025	COND MOTOR HARNESS 230V (M1, M2, M5, M6, M7, M8, M11, M12)
NS	0259L00027	COND MOTOR HARNESS 230V (M1, M2, M5, M6, M7, M8, M11, M12)
NS	0259L00026	COND MOTOR HARNESS 460V (M3, M4, M9, M10)
NS	0259L00028	COND MOTOR HARNESS 460V (M3, M4, M9, M10)
NS	0259L00008	MOTOR HARNESS-BELT DRIVE
NS	20455902	SPLICE GASKET .50 X .25 (QTY 5)

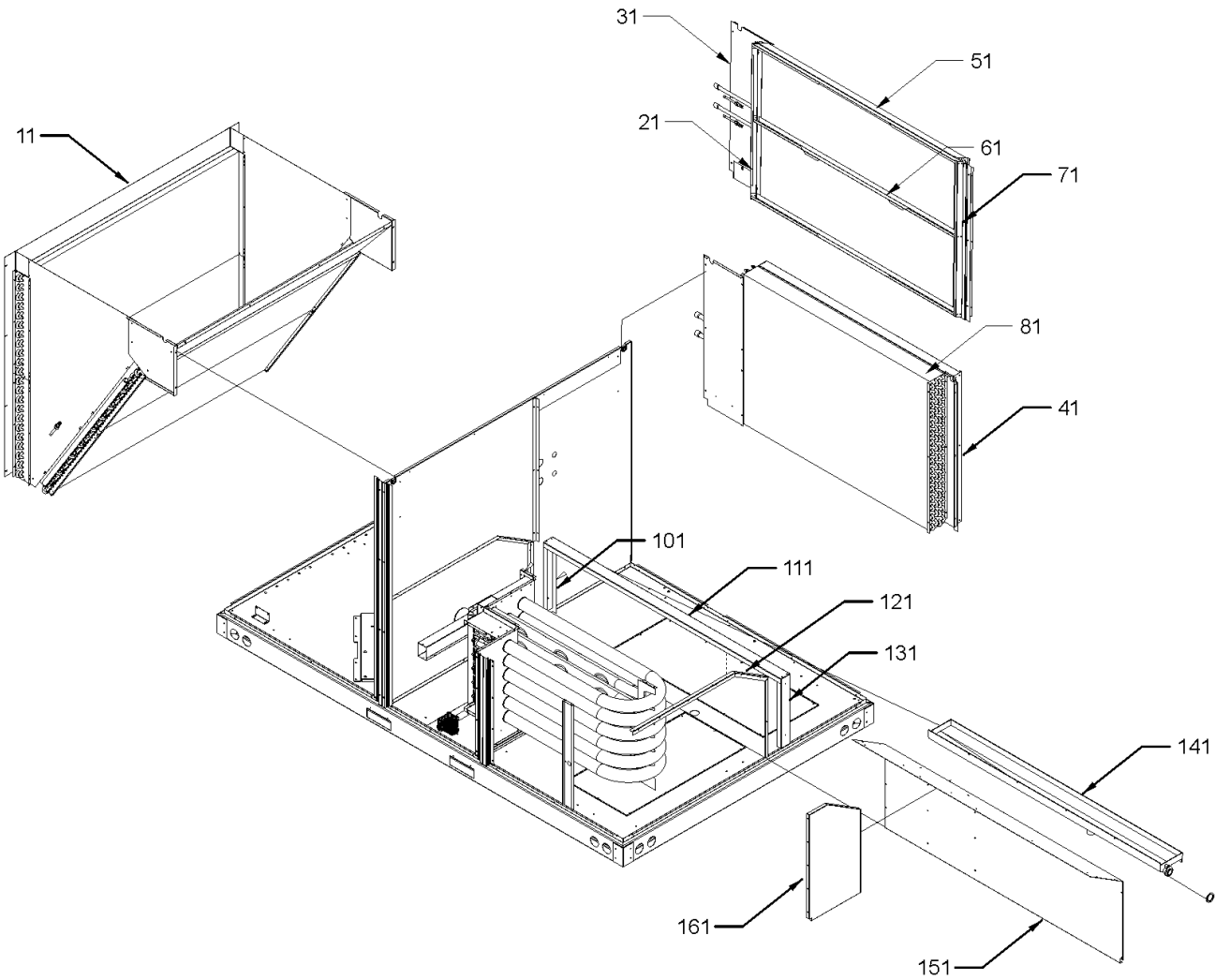
Image 2:

12	0130M00030S	CUT-OUT SWITCH, HIGH PRESSURE
22	0130L00003S	CUT-OUT SWITCH, LOW PRESSURE
32	B1219204	BI-FLOW FILTER DRIER
52	0130L00002S	CUTOUT-LOW PRESSURE
62	0130M00031S	CUT-OUT SWITCH, HIGH PRESSURE

Expanded Model Nomenclature

M1 - CPG0902103BXSXBA
M2 - CPG0902103BXXXBA
M3 - CPG0902104BXSXBA
M4 - CPG0902104BXXXBA
M5 - CPG0902107BXSXBA
M6 - CPG0902107BXXXBA
M7 - CPG1022103BXSXAA
M8 - CPG1022103BXXXAA
M9 - CPG1022104BXSXAA
M10 - CPG1022104BXXXAA
M11 - CPG1022107BXSXAA
M12 - CPG1022107BXXXAA

Partition Assy



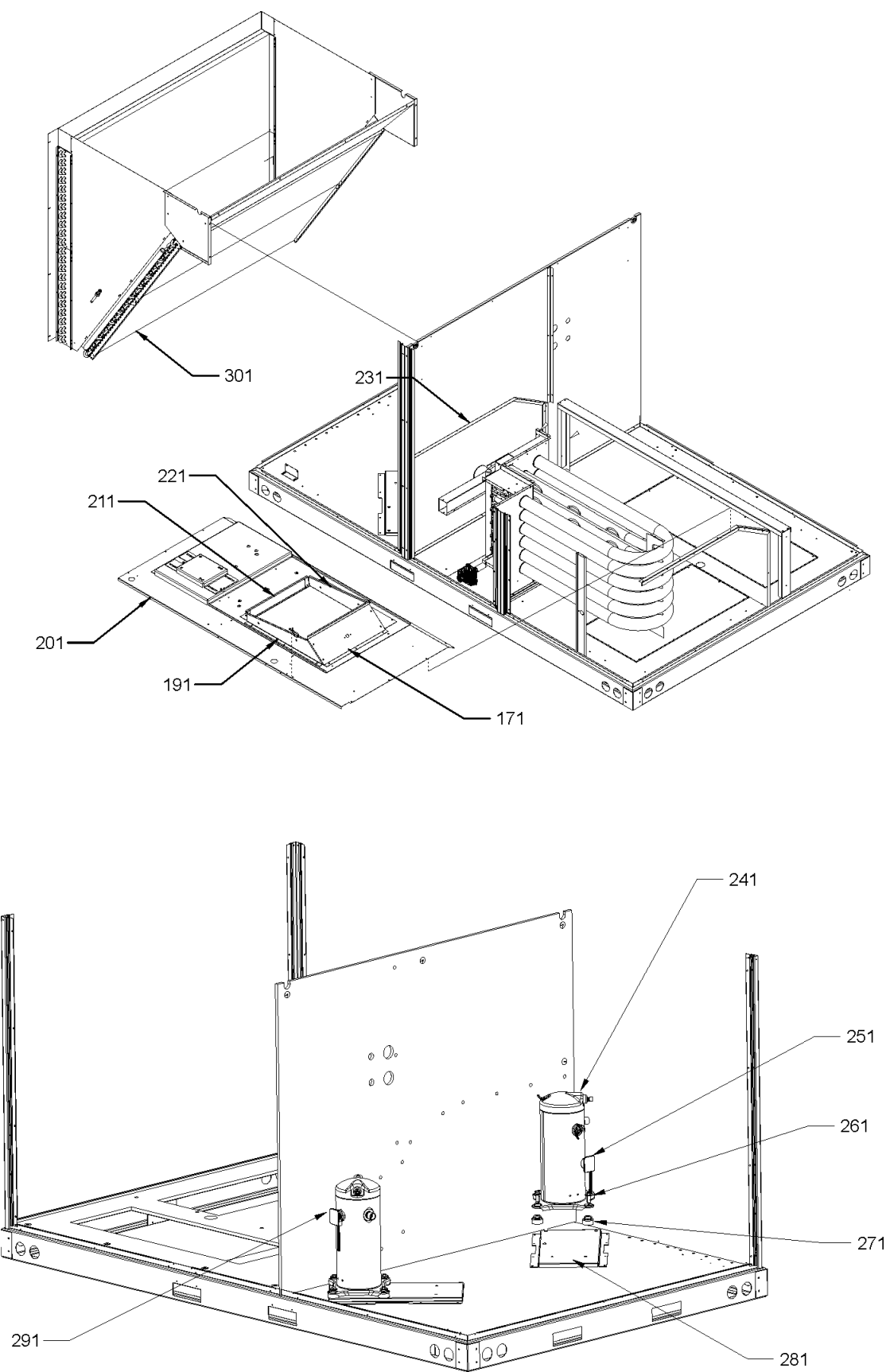
Partition Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	0201L00098S		TUBING ASSY, COND COIL C1 (M1, M2, M3, M4, M5, M6)
21	0121L00357		FILTER ANGLE-VERTICAL (RETURN SIDE)
41	0121L00210		EVAP EXTENSION-RETURN SIDE
51	0121L00286		FILTER ANGLE-HORIZONTAL (QTY 2)
61	0121L00298		FILTER ANGLE-HORIZONTAL (CENTER)
71	0121L00358		FILTER ANGLE-VERTICAL (HAIRPIN SIDE)
81	0202L00041S		TUBING ASSY, EVAP COIL (M1, M2, M3, M4, M5, M6)
81	0202L00053S		TUBING ASSY, EVAP COIL (M7, M8, M9, M10, M11, M12)
91	0201L00102S		TUBING ASSY, COND COIL C2 (M1, M2, M3, M4, M5, M6)
111	0121L00508		DRAIN PAN SUPPORT
141	0161L00002		DRAIN PAN
151	0121L00374		DECK SIDE CHANNEL
161	0121L00522		HEAT EXCHANGER BLOCK-OFF

Expanded Model Nomenclature

M1 - CPG0902103BXSXBA
M2 - CPG0902103BXXXBA
M3 - CPG0902104BXSXBA
M4 - CPG0902104BXXXBA
M5 - CPG0902107BXSXBA
M6 - CPG0902107BXXXBA
M7 - CPG1022103BXSXAA
M8 - CPG1022103BXXXAA
M9 - CPG1022104BXSXAA
M10 - CPG1022104BXXXAA
M11 - CPG1022107BXSXAA
M12 - CPG1022107BXXXAA

Partition Assy



Partition Assy

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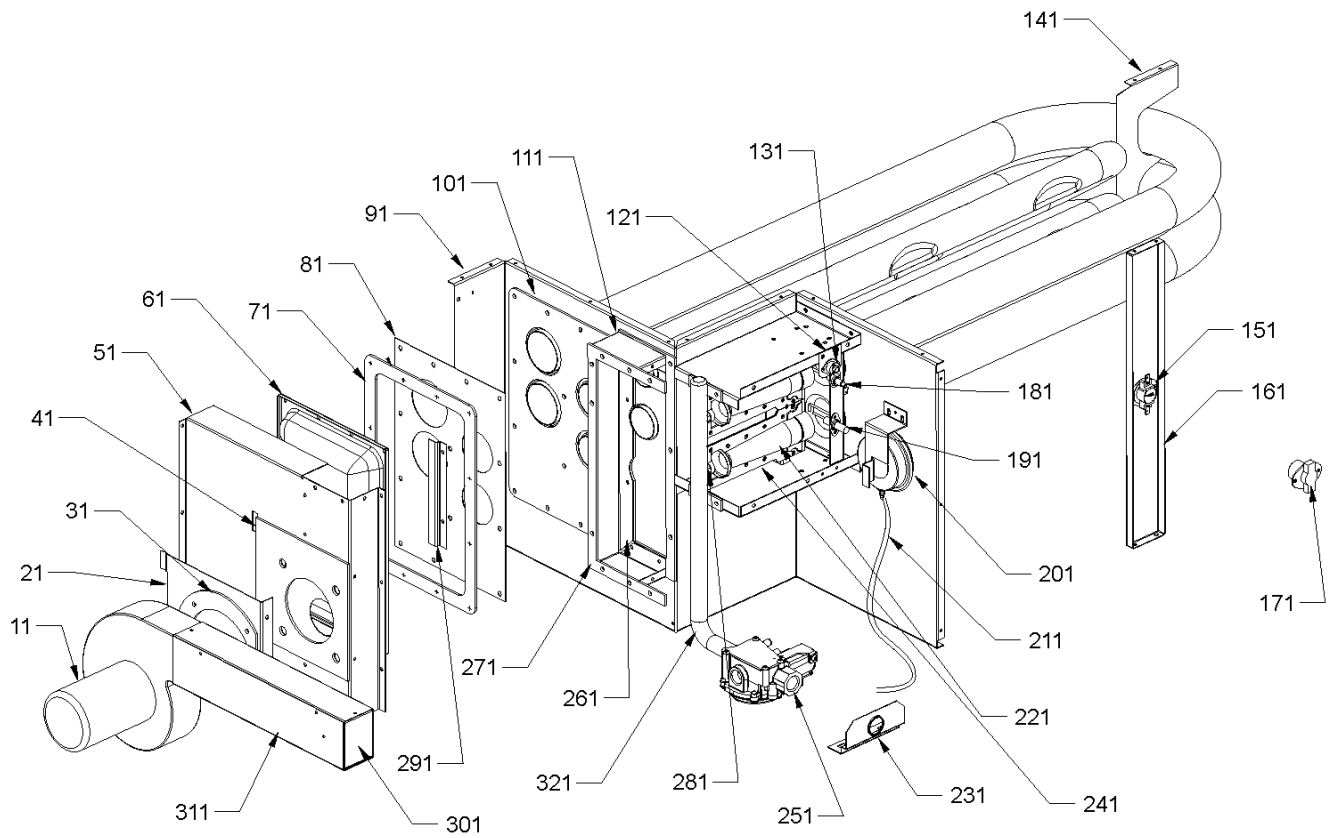
Image 1:

171	0121L00090	BLOWER TRANSITION, RH END
191	0121L00092	BLOWER TRANSITION, FRONT
201	0121L00373	BLOWER DECK
211	0121L00097	BLOWER TRANSITION, LH END
221	0121L00145	BLOWER TRANSITION, BACK
241	ZP44K5ETFD130	COMP 44000, 460/60/3 (M9)
241	ZP44K5ETF5130	COMP, 44000, 200/230/60/3 (M7, M8)
241	ZP44K5ETFE130	COMP, 44000, 575/60/3 (M10, M11, M12)
241	ZP39K5ETF5830	COMPRESSOR 39000, 200/230/60/3 (M1, M2)
241	ZP39K5ETFD830	COMPRESSOR 39000, 460/60/3 (M3, M4)
241	ZP39K5ETFE830	COMPRESSOR 39000, 575/60/3 (M5, M6)
251	0159L00004	COMPRESSOR SCROLL HARNESS
251	0159L00005	COMPRESSOR SCROLL HARNESS
261	M0221641	TF SHOULDER SCREW (QTY 8)
271	B1339533	COMPRESSOR GROMMET (QTY 8)
281	0121L00408	COMPRESSOR MOUNTING PLATE (QTY 2)
NS	B1369608	AIR FILTER 20 X 16 X 2 (QTY 4)
NS	0162L00015	FLOWRATOR .078 [EVAP] (M1, M2, M3, M4, M5, M6)
NS	0162L00021	FLOWRATOR, STR 8, .080 (M7, M8, M9, M10, M11, M12)

Expanded Model Nomenclature

M1 - CPG0902103BXSXBA
M2 - CPG0902103BXXXBA
M3 - CPG0902104BXSXBA
M4 - CPG0902104BXXXBA
M5 - CPG0902107BXSXBA
M6 - CPG0902107BXXXBA
M7 - CPG1022103BXSXAA
M8 - CPG1022103BXXXAA
M9 - CPG1022104BXSXAA
M10 - CPG1022104BXXXAA
M11 - CPG1022107BXSXAA
M12 - CPG1022107BXXXAA

Heat Exchanger/Control Box Assy

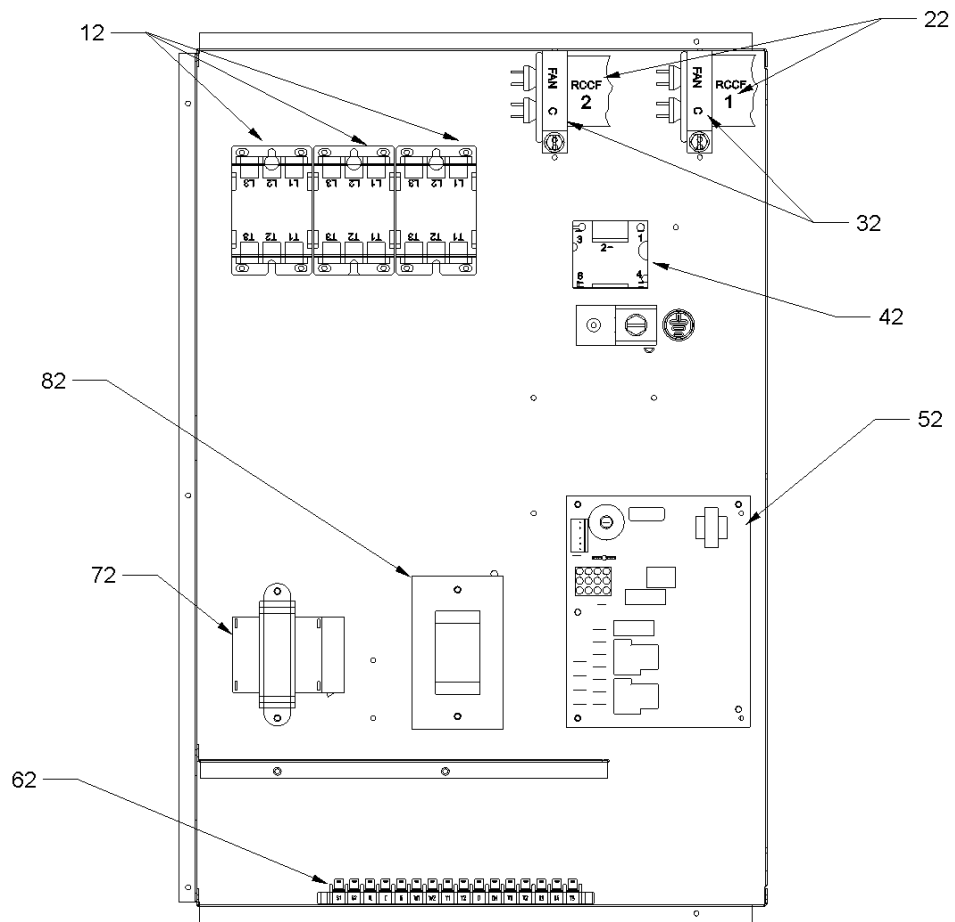


Heat Exchanger/Control Box Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	0131L00002S	VENT MOTOR	141 0257L00044 HT EXCH ASSY-6 TUBE SS (M1, M3, M5, M7, M9, M11)
21	0121L00080	MOUNTING PLATE-ID BLOWER	141 0257L00043 HT EXCH ASSY-6 TUBE (M2, M4, M6, M8, M10)
31	0154L00007	GASKET, BLOWER/ORIFICE PLATE	
41	0154L00006	GASKET, COLLECTOR/ORIFICE PLATE	
51	0121L00077	COLLECTOR BOX COVER	
71	0154L00010	REAR COVER GASKET, HEAT EXCHANGER	
111	0121L00076	COLLECTOR BOX CHANNEL	
121	0121L00323	FLAME ROLLOUT BRACKET	
131	10123532	MANUAL RESET LIMIT 350°F	
151	B1370199	PRIMARY LIMIT SWITCH 190°F	
161	0121L00093	POST-LIMIT SWITCH	
171	0130F00036	PRIMARY LIMIT - PINK	
181	0130F00010	FLAME SENSOR	
191	20261709S	IGNITOR	
201	11112501S	PRESSURE SWITCH	
231	0121L00147	PIPE BRACKET-GAS VALVE	
241	0121L00075	BURNER BRACKET 6B	
251	0151L00000S	GAS VALVE, MANIFOLD (36H)	
261	0154L00011	INNER GASKET, COLLECTOR BOX	
271	0154L00012	OUTER GASKET, COLLECTOR BOX	
281	0163L00007	ORIFICE #34 DRILL (QTY 6)	
301	0163L00006	FLUE SCREEN	
311	0121L00049S	HEAT EXCHANGER FLUE (QTY 2)	
321	0163L00010	MANIFOLD - 6 BRNR	
NS	0259L00031	12-PIN HARNESS	
NS	0259L00021	CONTROL HARNESS (M3, M4, M5, M6, M9, M10, M11, M12)	
NS	0259L00022	CONTROL HARNESS (M1, M2, M7, M8)	
NS	0259L00033	ECONOMIZER HARNESS	
NS	0121L00130DGS	FLUE COLLAR	
NS	B1392609	SEAL STRIP, RED, 1/8 X 1/2 X 100 (QTY 3)	

Expanded Model Nomenclature

M1 - CPG0902103BXSXBA
M2 - CPG0902103BXXXBA
M3 - CPG0902104BXSXBA
M4 - CPG0902104BXXXBA
M5 - CPG0902107BXSXBA
M6 - CPG0902107BXXXBA
M7 - CPG1022103BXSXAA
M8 - CPG1022103BXXXAA
M9 - CPG1022104BXSXAA
M10 - CPG1022104BXXXAA
M11 - CPG1022107BXSXAA
M12 - CPG1022107BXXXAA



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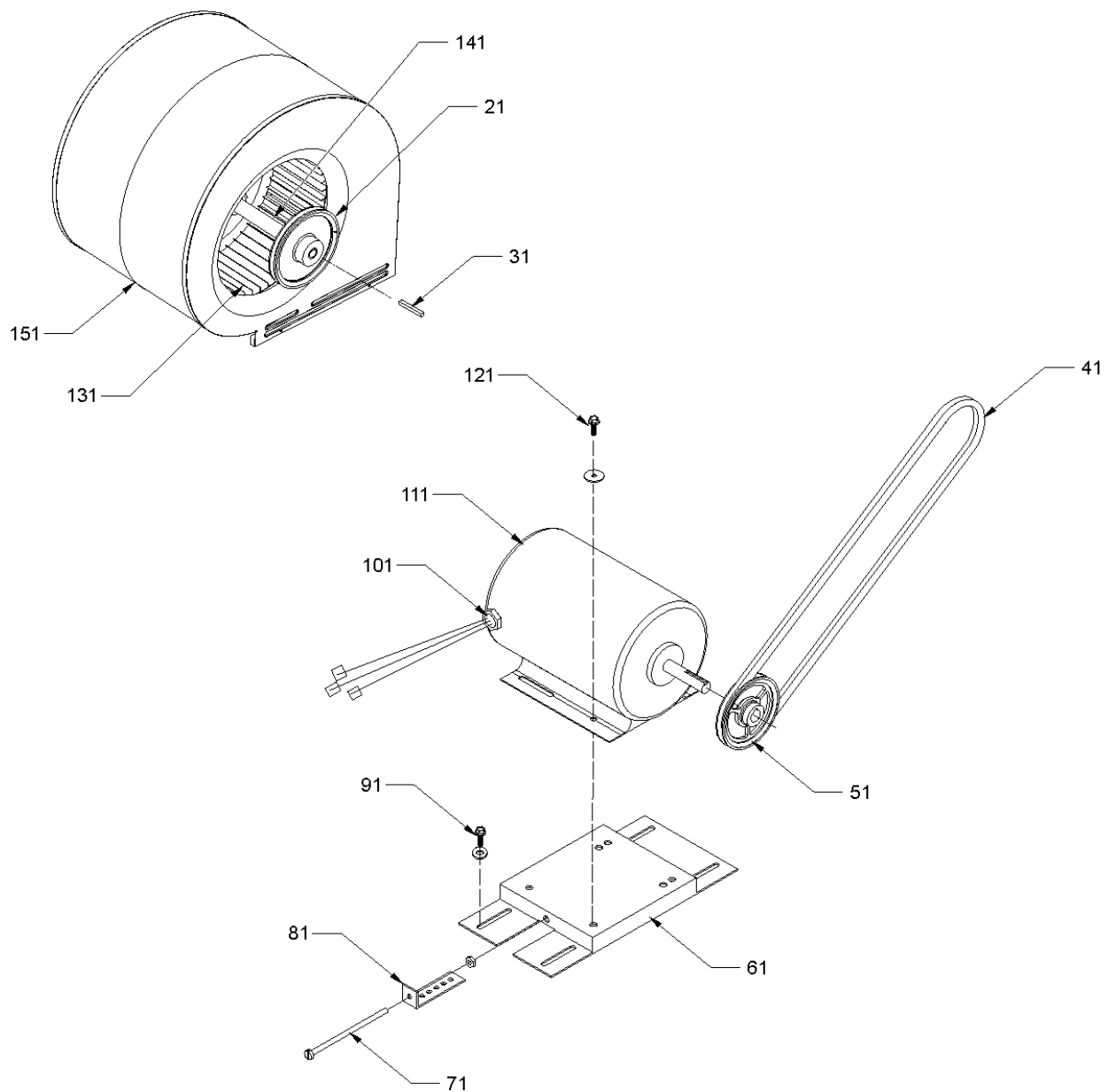
Image 1:

11	CONT3P025024VS	CONTACTOR 25 AMP, 3P, 24V (QTY 3)
21	CAP050000370VAS	CAPACITOR 5/370V (QTY 2)
31	20520901	CAPACITOR STRAP (QTY 2)
41	0130M00025S	24V RELAY
51	PCBAG123S	IGNITION BOARD, DSI INTEGRATED
61	0130M00038S	TERMINAL BOARD
71	B1141663	TRANSFORMER 460V TO 230V, 150 VA (M3, M4, M9, M10)
71	B1141672	TRANSFORMER 480V, 75VA, RESETTABLE (M1, M2, M3, M4, M7, M8, M9, M10)
71	0130M00044S	TRANSFORMER 575/230V (M5, M6, M11, M12)
71	0130M00045S	TRANSFORMER 575/24V (M5, M6, M11, M12)

Expanded Model Nomenclature

M1 - CPG0902103BXSXBA
M2 - CPG0902103BXXXBA
M3 - CPG0902104BXSXBA
M4 - CPG0902104BXXXBA
M5 - CPG0902107BXSXBA
M6 - CPG0902107BXXXBA
M7 - CPG1022103BXSXAA
M8 - CPG1022103BXXXAA
M9 - CPG1022104BXSXAA
M10 - CPG1022104BXXXAA
M11 - CPG1022107BXSXAA
M12 - CPG1022107BXXXAA

Belt Drive Blower/Motor Assy



Belt Drive Blower/Motor Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
21	0163L00011	FIXED SHEAVE AK74	
31	B1398604	STEEL KEY (000158812) 2.0"	
41	0164L00000	NOTCHED FAN BELT AX51	
51	0163L00024	VARIABLE PITCH SHEAVE 1VL40 X 5/8" (M5, M6)	
51	0163L00012	VARIABLE PITCH SHEAVE VL40 (M1, M2, M3, M4, M7, M8, M9, M10, M11, M12)	
61	0270L00015S	MOTOR BASE ASSY	
71	0163M00045	BOLT 1/4-20 X 4"	
81	3225000F	BELT TIGHTENER ANGLE	
91	B1446707	SCREW 5/16-18 X 1" (QTY 4)	
101	B1393726	ELECT. CONNECTING BUSHING	
111	B3240007	BELT DRIVE MOTOR (230/460)/60/3P (M1, M2, M3, M4)	
111	0131L00004S	BELT DRIVE MOTOR 1.5 HP 575V (M5, M6)	
111	B3240006	BELT DRIVE MOTOR 2 HP (M7, M8, M9, M10)	
111	0131L00005	MOTOR-2 HP BELT DRIVE 575 V (M11, M12)	
121	B1393738	BOLT 1/4-20 X 3/4" (QTY 4)	
131	03-77429	BELT DRIVE BLOWER WHEEL	
141	04-11525	BELT DRIVE BLOWER SHAFT	
151	04-01525	BELT DRIVE BLOWER HOUSING ASSY	
NS	04-02196	BALL BEARING & FRAME ASSY	

Expanded Model Nomenclature

M1 - CPG0902103BXSXBA
M2 - CPG0902103BXXXBA
M3 - CPG0902104BXSXBA
M4 - CPG0902104BXXXBA
M5 - CPG0902107BXSXBA
M6 - CPG0902107BXXXBA
M7 - CPG1022103BXSXAA
M8 - CPG1022103BXXXAA
M9 - CPG1022104BXSXAA
M10 - CPG1022104BXXXAA
M11 - CPG1022107BXSXAA
M12 - CPG1022107BXXXAA