



REPAIR PARTS

PCB*-5B/F Package Electric Rooftop Unit

PCB090-5B
PCB090-5F
PCB120-5B
PCB120-5F
PCB180-5B
PCB180-5F



Made in the USA by:
Goodman Manufacturing Company, L.P.
2550 North Loop West, Suite 400
Houston Texas 77092

www.goodmanmfg.com

RP-331A
Revision 0
August 2005

Important Information

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Views shown are for parts illustrations only, not servicing procedures

Rev. A: Added models PCB090-5F, PCB120-5F, and PCB180-5F.

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	P _____
M2 - Model#2	P _____
M3 - Model#3	P _____

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

Goodman Company, L.P., reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations. Goodman® brand products are made proudly in the USA. r

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:

B1256551	BLOWER TIME DELAY RELAY
B945651	CAPACITOR, 7.5/370, COND. FAN MOTOR (QTY AR)
ZR54KCTFD930	COMPRESSOR, ZR54KC-TFD-230 (M1, M4)
ZR72KCTFD930	COMPRESSOR, ZR72KC-TFD-230 (M2, M3, M5, M6)
1262504S	CRATED SERVICE CONDENSER COIL W/DRIER (M1, M4)
1262505S	CRATED SERVICE CONDENSER COIL W/DRIER (M2, M5)
1262506S	CRATED SERVICE CONDENSER COIL W/DRIER (M3, M6)
B1284655	EXPANSION VALVE (QTY AR)
B1086760	FAN BLADE, CONDENSER, 27°P, 3 BLADES, 24.0" (M1, M4)
B1086761	FAN BLADE, CONDENSER, 27°P, 4 BLADES, 22.0" (M3, M6)
B1086762	FAN BLADE, CONDENSER, 30°P, 3 BLADES, 24.0" (M2, M5)
B3240001	MOTOR, CONDENSER, 1/2 HP, 380/460V 50/60 HZ 1100 RPM (QTY AR)
B3240003	MOTOR, EVAP., 2.0 HP, 230 & 460V, 3 PHASE (M1, M4)
B3240004	MOTOR, EVAP., 3.0 HP, 230 & 460V, 3 PHASE (M2, M5)
B3240005	MOTOR, EVAP., 5.0 HP, 230 & 460V, 3 PHASE (M3, M6)
1262618S	SERVICE EVAPORATOR COIL W/DRIER (M2, M5)
1262620S	SERVICE EVAPORATOR COIL W/DRIER (M3, M6)
1262615S	SERVICE EVAPORATOR COIL W/DRIER (M1, M4)
B1360713	SWITCH, HIGH PRESSURE CONTROL (QTY AR)
B1360717	SWITCH, LOW PRESSURE CONTROL (QTY AR)
B1370502	TIMER, 30 SECOND (M3, M6)
B1370501	TIMER, 60 SECOND
B1141655	TRANSFORMER, 380-415, 75 VA
B1368051	WHEEL, FAN (M1, M4)
B1368052	WHEEL, FAN (M2, M3, M5, M6)

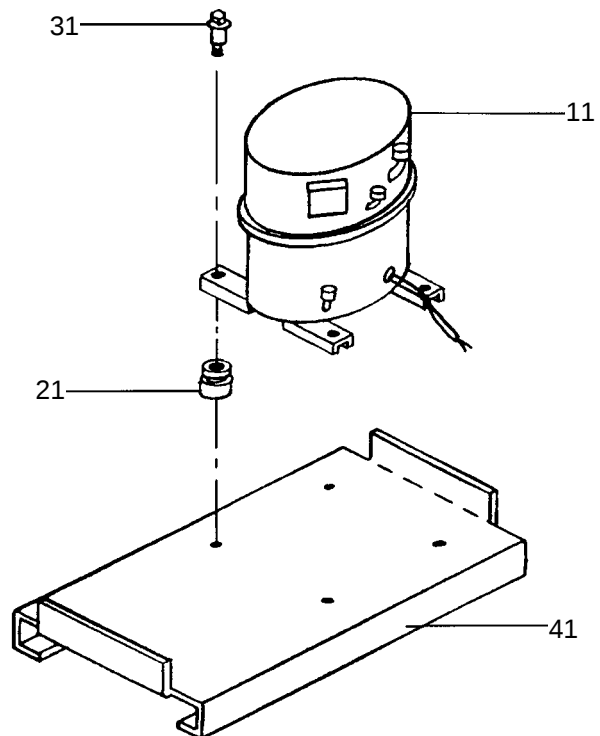
SPECIAL PARTS

IO-156	MANUAL, INSTALLATION AND OPERATION (M1, M2, M3)
IO-167	MANUAL, INSTALLATION AND OPERATION (M4, M5, M6)
RP-331A	MANUAL, REPAIR PARTS
B1610637	PAINT PWDR. DRK GRAY

Expanded Model Nomenclature

M1 - PCB090-5B	PCB090-5B
M2 - PCB120-5B	PCB120-5B
M3 - PCB180-5B	PCB180-5B
M4 - PCB090-5F	PCB090-5F
M5 - PCB120-5F	PCB120-5F
M6 - PCB180-5F	PCB180-5F

Compressor Assy



Compressor Assy

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

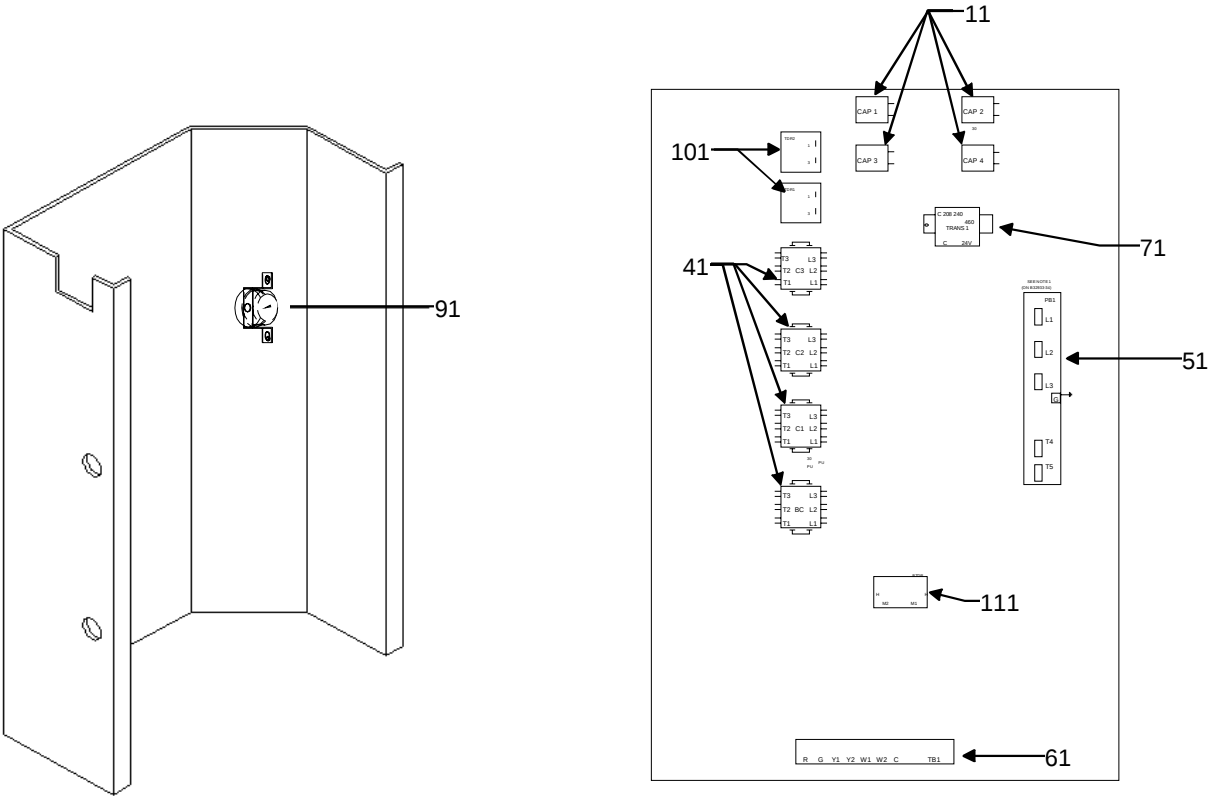
Image 1:

11	ZR54KCTFD930	COMPRESSOR, ZR54KC-TFD-230 (M1, M4)
11	ZR72KCTFD930	COMPRESSOR, ZR72KC-TFD-230 (M2, M3, M5, M6)
21	B1339533	GROMMET, COMPRESSOR (QTY AR)
31	B1393740	COMPRESSOR BOLT AND SLEEVE (QTY AR)
41	3222000F	BASE COMPRESSOR (M1, M2, M4, M5)
41	3251000F	BASE COMPRESSOR (M3, M6)
41	3251001F	SUPPORT BASE COMPRESSOR (M3, M6)
NS	B1360713	SWITCH, HIGH PRESSURE CONTROL (QTY AR)
NS	B1360717	SWITCH, LOW PRESSURE CONTROL (QTY AR)

Expanded Model Nomenclature

M1 - PCB090-5B	PCB090-5B
M2 - PCB120-5B	PCB120-5B
M3 - PCB180-5B	PCB180-5B
M4 - PCB090-5F	PCB090-5F
M5 - PCB120-5F	PCB120-5F
M6 - PCB180-5F	PCB180-5F

Main Control Box



Main Control Box

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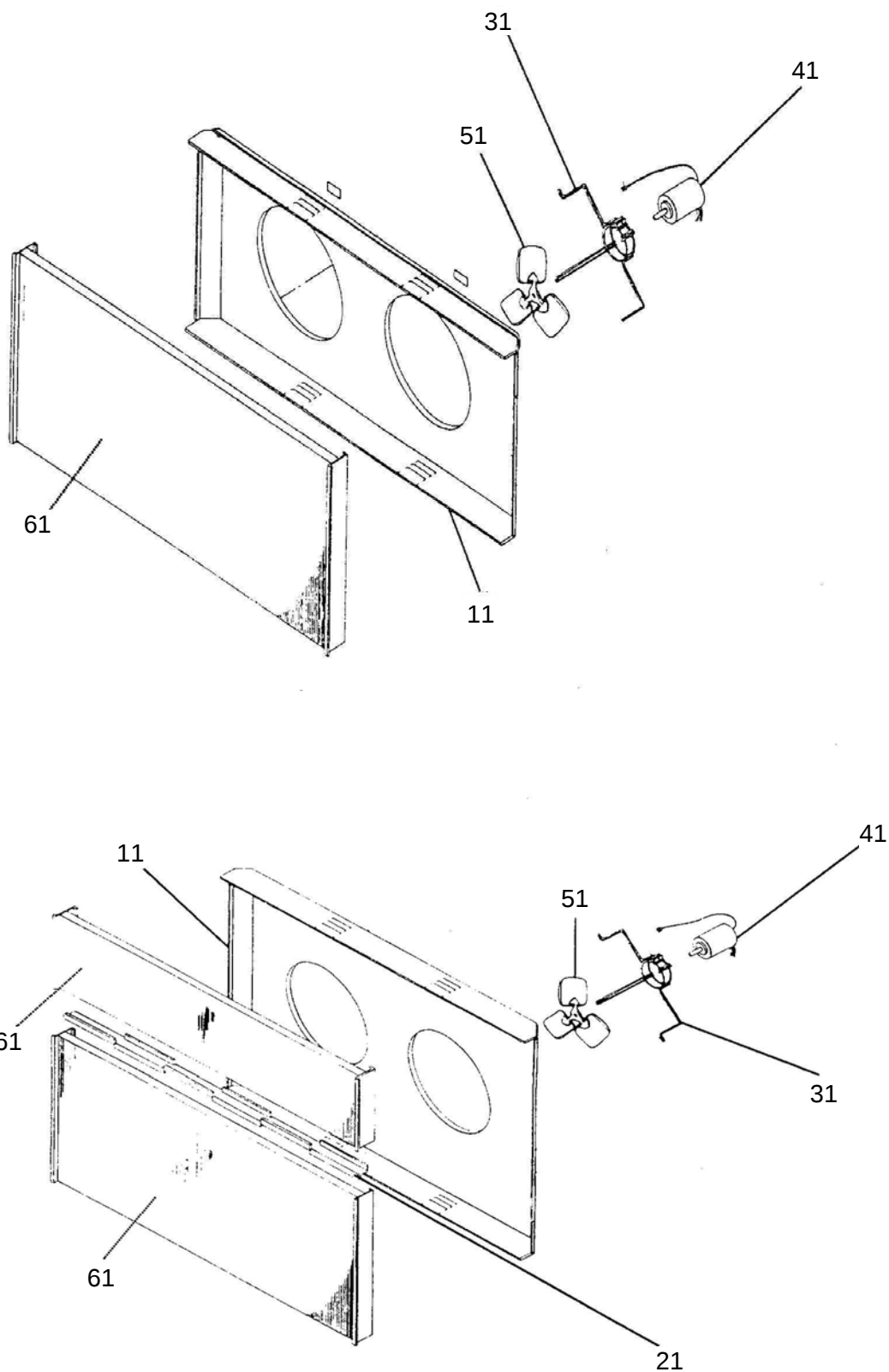
Image 1:

11	B945651	CAPACITOR, 7.5/370, COND. FAN MOTOR (QTY AR)
41	B1360315	CONTACTOR, 3 POLE, 25 FLA (QTY AR)
51	B1368264	POWER BLOCK, MAIN, 3 POLE
61	B1368265	TERMINAL BOARD, 24V, THERMOSTAT
71	B1141655	TRANSFORMER, 380-415, 75 VA
91	B1370117	MILD AMBIENT SENSOR
101	B1370502	TIMER, 30 SECOND (M3, M6)
101	B1370501	TIMER, 60 SECOND
111	B1256551	BLOWER TIME DELAY RELAY

Expanded Model Nomenclature

M1 - PCB090-5B	PCB090-5B
M2 - PCB120-5B	PCB120-5B
M3 - PCB180-5B	PCB180-5B
M4 - PCB090-5F	PCB090-5F
M5 - PCB120-5F	PCB120-5F
M6 - PCB180-5F	PCB180-5F

Condenser Fan Coil



Condenser Fan Coil

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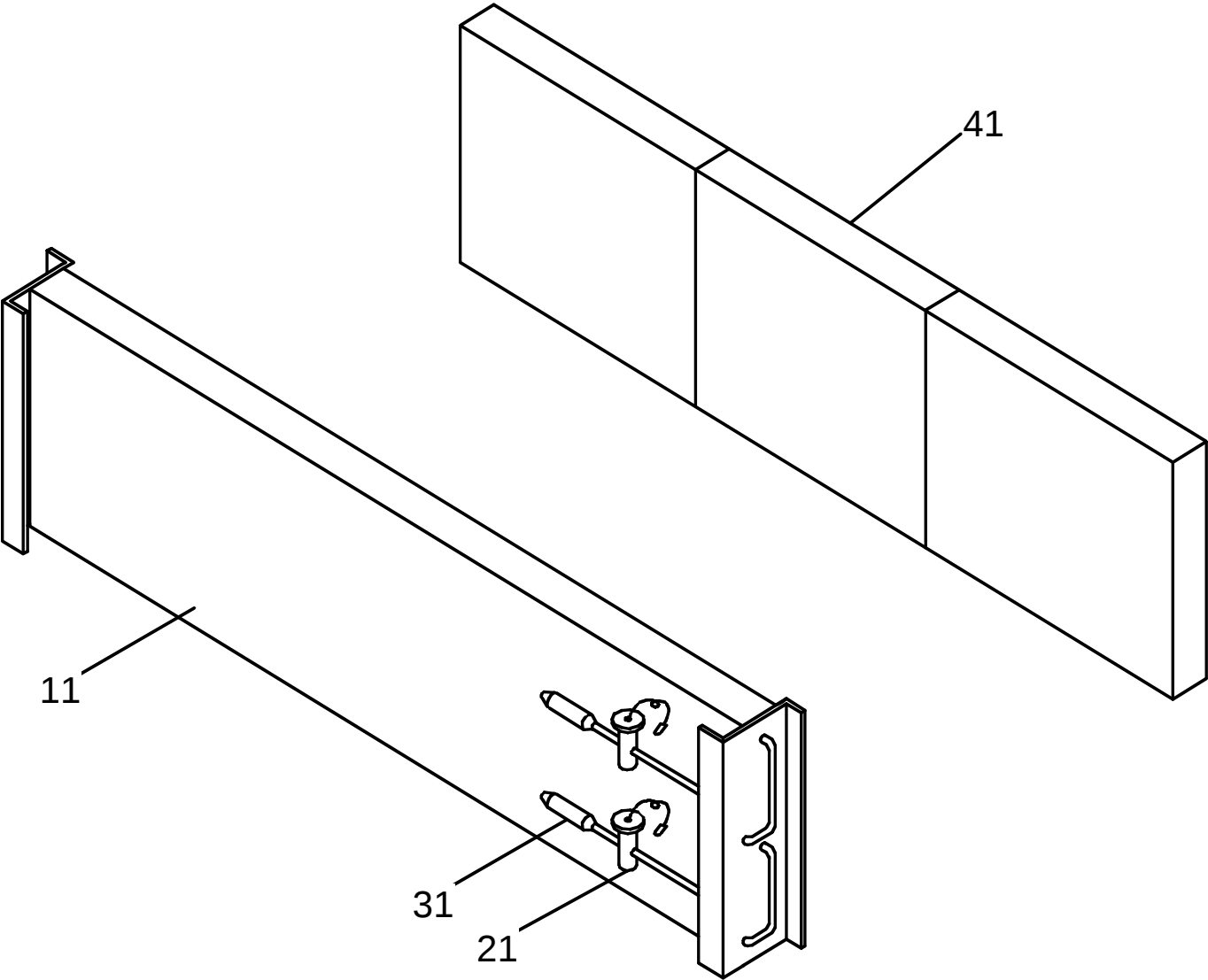
Image 1:

11	3210000F	FAN PANEL (M1, M4)
11	3241500F	FAN PANEL (M3, M6)
11	3255500F	FAN PANEL (M2, M5)
21	3246500F	COIL CHANNEL (M2, M5)
21	3251500F	COIL CHANNEL (M3, M6)
31	B3201301	CONDENSER MOTOR MOUNT (QTY AR)
41	B3240001	MOTOR, CONDENSER, 1/2 HP, 380/460V 50/60 HZ 1100 RPM (QTY AR)
51	B1086760	FAN BLADE, CONDENSER, 27°P, 3 BLADES, 24.0" (M1, M4)
51	B1086761	FAN BLADE, CONDENSER, 27°P, 4 BLADES, 22.0" (M3, M6)
51	B1086762	FAN BLADE, CONDENSER, 30°P, 3 BLADES, 24.0" (M2, M5)
61	1262504S	CRATED SERVICE CONDENSER COIL W/DRIER (M1, M4)
61	1262505S	CRATED SERVICE CONDENSER COIL W/DRIER (M2, M5)
61	1262506S	CRATED SERVICE CONDENSER COIL W/DRIER (M3, M6)

Expanded Model Nomenclature

M1 - PCB090-5B	PCB090-5B
M2 - PCB120-5B	PCB120-5B
M3 - PCB180-5B	PCB180-5B
M4 - PCB090-5F	PCB090-5F
M5 - PCB120-5F	PCB120-5F
M6 - PCB180-5F	PCB180-5F

Evaporator Coil



Evaporator Coil

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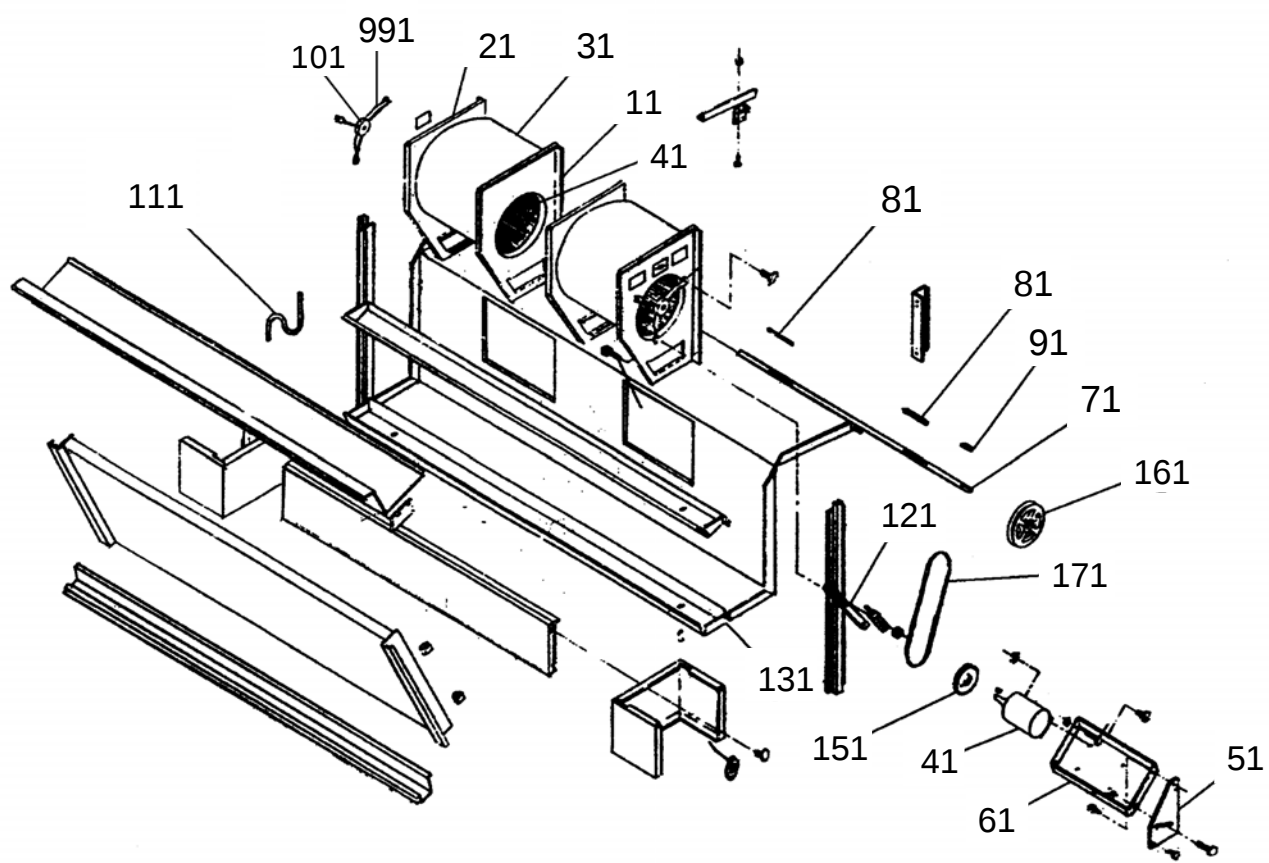
Image 1:

11	1262615S	SERVICE EVAPORATOR COIL W/DRIER (M1, M4)
11	1262618S	SERVICE EVAPORATOR COIL W/DRIER (M2, M5)
11	1262620S	SERVICE EVAPORATOR COIL W/DRIER (M3, M6)
21	B1284655	EXPANSION VALVE (QTY AR)
31	B1219225	LIQUID LINE FILTER DRIER
41	B1369610	FILTER, 2 X 16 X 25, STANDARD (QTY 3) (M2, M3, M5, M6)
41	B1369611	FILTER, 2 X 20 X 25, STANDARD (QTY 3) (M2, M3, M5, M6)
41	B1369612	FILTER, 2 X 25 X 25, STANDARD (QTY 3) (M1, M4)

Expanded Model Nomenclature

M1 - PCB090-5B	PCB090-5B
M2 - PCB120-5B	PCB120-5B
M3 - PCB180-5B	PCB180-5B
M4 - PCB090-5F	PCB090-5F
M5 - PCB120-5F	PCB120-5F
M6 - PCB180-5F	PCB180-5F

Supply Air Fan



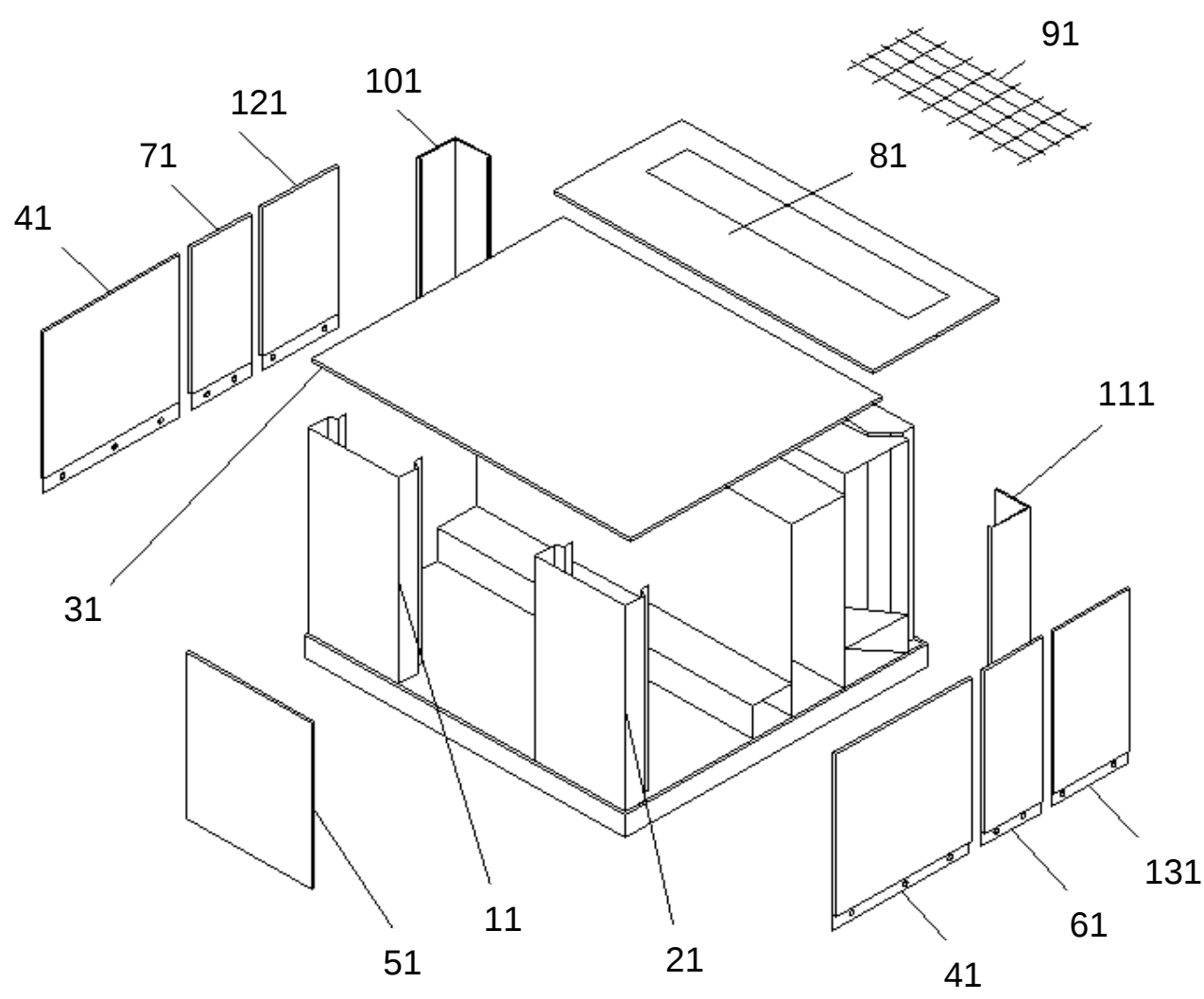
Supply Air Fan

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	3201000F		PLATE, RH BLOWER SIDE (M1, M4)
11	3239000F		PLATE, RH BLOWER SIDE (M2, M3, M5, M6)
21	3201001F		PLATE, LH BLOWER SIDE (M1, M4)
21	3239001F		PLATE, LH BLOWER SIDE (M2, M3, M5, M6)
31	3205500F		BLOWER, WRAPPER (M1, M4)
31	3205501F		BLOWER, WRAPPER (M2, M3, M5, M6)
41	B1368051		WHEEL, FAN (M1, M4)
41	B1368052		WHEEL, FAN (M2, M3, M5, M6)
51	3201500F		MOTOR, SUPPORT (M1, M4)
51	3239500F		MOTOR, SUPPORT (M2, M3, M5, M6)
61	3224000F		BASE, MOTOR MOUNT
71	B3200200		SHAFT, EVAPORATOR FAN (M2, M3, M5, M6)
71	B3200201		SHAFT, EVAPORATOR FAN (M1, M4)
81	B1398603		KEY, 4 X 4.5 (QTY AR)
91	B1398604		KEY, 4 X 2
101	B1399500		BALL BEARING, SELF ALIGNING, 1.000 (M1, M4)
101	B1399501		BALL BEARING, SELF ALIGNING, 1.188 (M2, M3, M5, M6)
111	B3201800		DRAIN HOSE (M1, M4)
111	B3201801		DRAIN HOSE (M2, M3, M5, M6)
121	3225000F		ANGLE BELT TIGHTENER
131	3209000F		DRAIN PAN
141	B3240003		MOTOR, EVAP., 2.0 HP, 230 & 460V, 3 PHASE (M1, M4)
141	B3240004		MOTOR, EVAP., 3.0 HP, 230 & 460V, 3 PHASE (M2, M5)
141	B3240005		MOTOR, EVAP., 5.0 HP, 230 & 460V, 3 PHASE (M3, M6)
151	B2120013		SHEAVE, VAR., 1 VP50, 3.4-4.4" PD, 7/8" BORE (M1, M2, M4, M5)
151	B3204308		SHEAVE, VAR., 2 VP56 (M3, M6)
161	B3204304		SHEAVE, FIXED, 2AK64, 6.0" PD, 1 3/16" BORE (M3, M6)
161	B3204309		SHEAVE, FIXED, AK61, 5.7" PD, 1 3/16" BORE (M2, M5)
161	B3204310		SHEAVE, FIXED, AK66, 6.5" PD, 1.0" ID (M1, M4)
171	B2110010		BELT, AX29 (M1, M3, M4, M6)
171	B2110009		BELT, AX31 (M2, M5)
991	B3201300		MOUNTING BRACKET, BEARING (QTY AR)
NS	3213200F		ASSEMBLY, HOUSING, BLOWER (M1, M4)
NS	3213201F		ASSEMBLY, HOUSING, BLOWER (M2, M3, M5, M6)
NS	B1368266		TERMINAL BLOCK, 24V, AUX. SWITCH

Expanded Model Nomenclature

M1 - PCB090-5B	PCB090-5B
M2 - PCB120-5B	PCB120-5B
M3 - PCB180-5B	PCB180-5B
M4 - PCB090-5F	PCB090-5F
M5 - PCB120-5F	PCB120-5F
M6 - PCB180-5F	PCB180-5F

Cabinet Panels



Cabinet Panels

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	3222736F	INSUL., BACK PANEL ASM., LEFT-HAND (M1, M4)	
11	3222744F	INSUL., BACK PANEL ASM., LEFT-HAND (M2, M3, M5, M6)	
21	3222734F	INSUL., BACK PANEL ASM., RIGHT-HAND (M1, M4)	
21	3222745F	INSUL., BACK PANEL ASM., RIGHT-HAND (M2, M3, M5, M6)	
31	3222737F	INSUL., EVAPORATOR TOP PANEL, ASM.	
41	3222739F	INSUL., BLOWER / FILTER ACCESS PANEL (M1, M4)	
41	3222748F	INSUL., BLOWER / FILTER ACCESS PANEL (M2, M3, M5, M6)	
51	3222740F	INSUL., BACK ACCESS PANEL ASM. (M1, M4)	
51	3222747F	INSUL., BACK ACCESS PANEL ASM. (M2, M3, M5, M6)	
61	3222750F	ELECTRIC ACCESS HT PANEL ASM., LOWER (M1, M4)	
61	3222752F	ELECTRIC ACCESS HT PANEL ASM., LOWER (M2, M3, M5, M6)	
61	3222751F	ELECTRIC ACCESS HT PANEL ASM., UPPER	
71	3222738F	INSULATED HEAT ACCESS PANEL ASM. (M1)	
81	3222742F	CONDENSER TOP PANEL & GASKET, ASM.	
91	B1259641	CONDENSER GRILLE	
101	3226500FPDG	FRONT COMPRESSOR PANEL (M1, M4)	
101	3249501FPDG	FRONT COMPRESSOR PANEL (M2, M3, M5, M6)	
111	3226001FPDG	FRONT CONTROL BOX PANEL (M1, M4)	
111	3249500FPDG	FRONT CONTROL BOX PANEL (M2, M3, M5, M6)	
121	3211000FPDG	COMPRESSOR ACCESS PANEL (M1, M4)	
121	3241000FPDG	COMPRESSOR ACCESS PANEL (M2, M3, M5, M6)	
131	3227000FPDG	CONTROL BOX ACCESS PANEL (M1, M4)	
131	3250000FPDG	CONTROL BOX ACCESS PANEL (M2, M3, M5, M6)	

Expanded Model Nomenclature

M1 - PCB090-5B	PCB090-5B
M2 - PCB120-5B	PCB120-5B
M3 - PCB180-5B	PCB180-5B
M4 - PCB090-5F	PCB090-5F
M5 - PCB120-5F	PCB120-5F
M6 - PCB180-5F	PCB180-5F