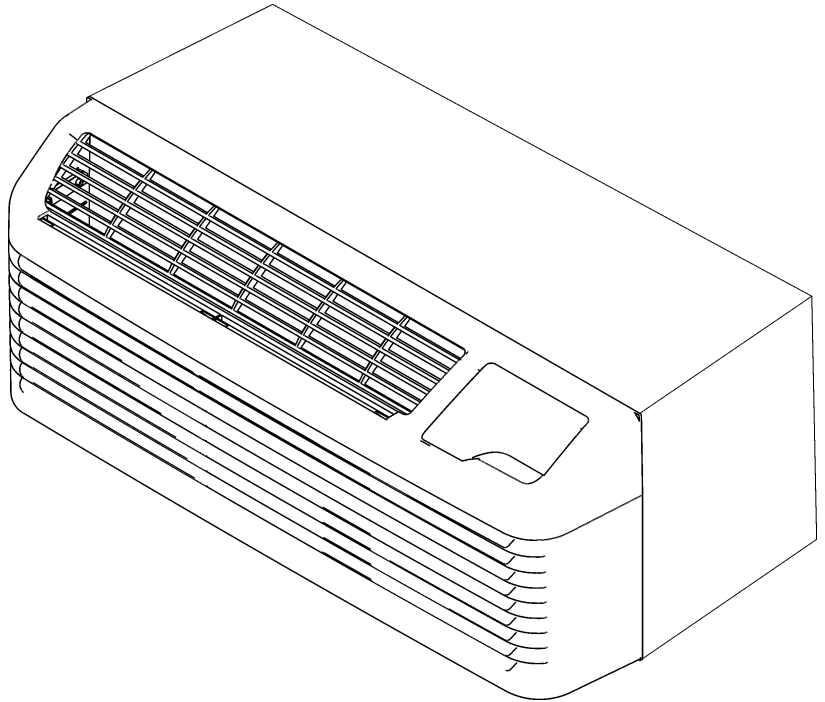


REPAIR PARTS

PTC123G Series R410A PTAC Coolers

PTC123G00AXXXAA
PTC123G00CXXXAA
PTC123G00DHRXAA
PTC123G00DHXXAA
PTC123G00HRXXAA
PTC123G00HVXXAA
PTC123G00HXXXAA
PTC123G00RXXXAA
PTC123G25AXXXAA
PTC123G25CXXXAA
PTC123G25RXXXAA
PTC123G25VXXXAA
PTC123G35AXXXAA
PTC123G35CXXXAA
PTC123G35DXXXAA
PTC123G35QRXXAA
PTC123G35QXXXAA
PTC123G35RXXXAA
PTC123G35VXXXAA
PTC123G50AXXXAA
PTC123G50CXXXAA
PTC123G50DXXXAA
PTC123G50RXXXAA



This manual is to be used by qualified technicians only.

This manual replaces RP-694A.

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Important Information

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Views shown are for parts illustrations only, not servicing procedures

Rev. B: Removed Power Door Assy, Power Vent Assy and replace with Power Vent Motor and Terminal Board.

Rev. A: Introduction of 5mm condenser coils.

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

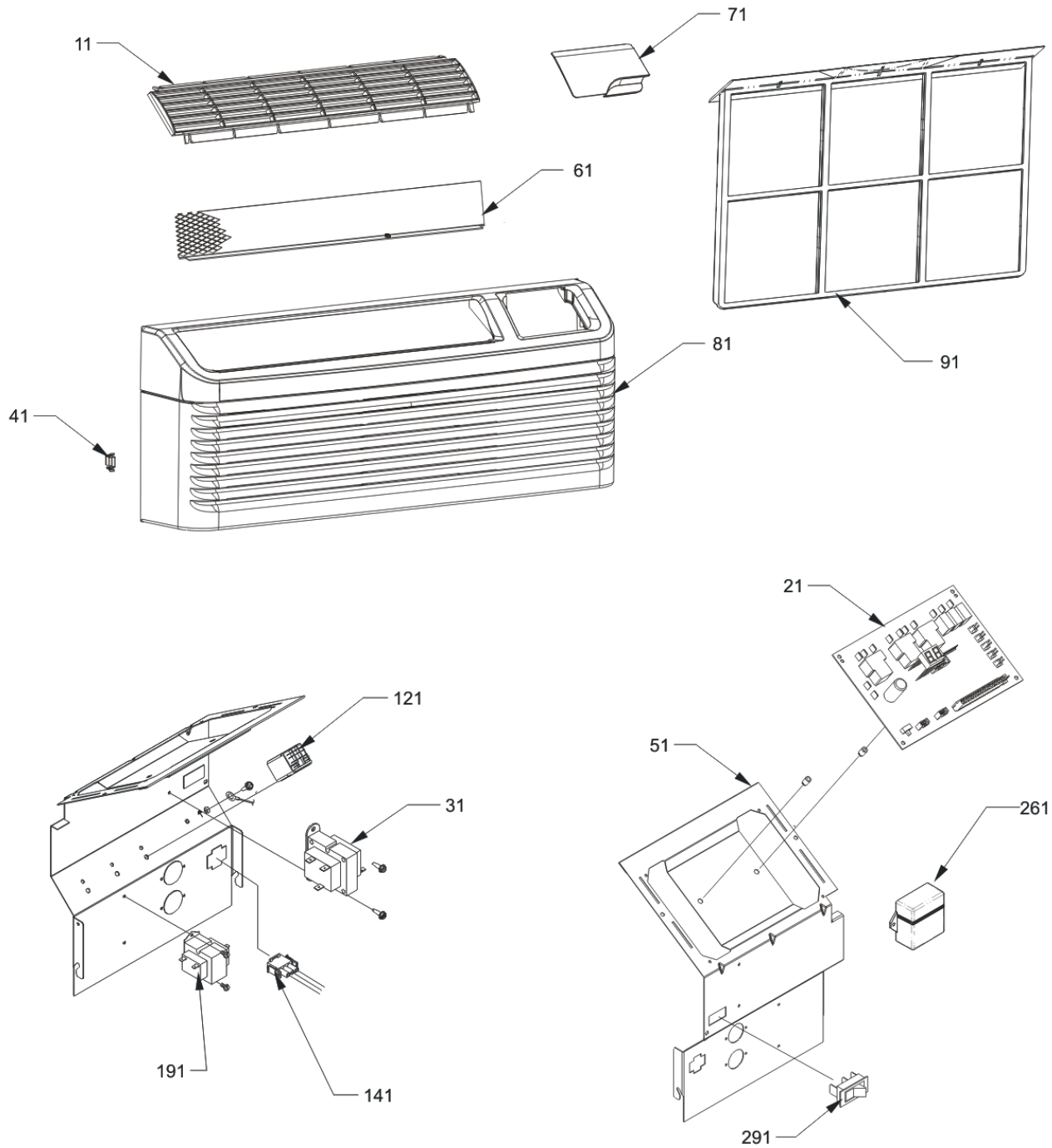
Functional Parts

Part

No: Description:

		Expanded Model Nomenclature
CAP020300450CS	CAPACITOR 2/30/450V/DUAL RD	M1 - PTC123G00AXXXAA
CAP020000440RP	CAPACITOR 2/440V	M2 - PTC123G00CXXXAA
44A282A	COMPRESSOR, RECHI	M3 - PTC123G00DHRXAA
RSKP0010	CONTROL BOARD M61 (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22)	M4 - PTC123G00DHXXAA
RSKP0005	CONTROL PANEL COVER AND MEMBRANE	M5 - PTC123G00HRXXAA
0130P00059	CORD, 250VAC, 15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	M6 - PTC123G00HVXXAA
0130P00058	CORD, 250VAC, 20A (LCD) (M13, M14, M15, M16, M17, M18, M19)	M7 - PTC123G00HXXXAA
0130P00061	CORD, 250VAC, 30A (LCD) (M20, M21, M22, M23)	M8 - PTC123G00RXXXAA
0130M00132	CUT-OUT SWITCH, HIGH PRESSURE	M9 - PTC123G25AXXXAA
0131P00035	FAN MOTOR, INDOOR (M1, M2, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19)	M10 - PTC123G25CXXXAA
0131P00036	FAN MOTOR, INDOOR (M3, M4, M5, M6, M7, M20, M21, M22, M23)	M11 - PTC123G25RXXXAA
0131P00027	FAN MOTOR, OUTDOOR	M12 - PTC123G25VXXXAA
0161P00030	FAN, CONDENSER	M13 - PTC123G35AXXXAA
0275P00039	HEATER ASSY (M20, M21, M22, M23)	M14 - PTC123G35CXXXAA
0275P00019	HEATER ASSY (M9, M10, M11, M12)	M15 - PTC123G35DXXXAA
0275P00038	HEATER ASSY (M13, M14, M15, M16, M17, M18, M19)	M16 - PTC123G35QRXXAA
11149201	MUFFIN FAN (M6, M12, M19)	M17 - PTC123G35QXXXAA
11172801	POWER VENT MOTOR (M3, M4, M6, M12, M15, M19, M22)	M18 - PTC123G35RXXXAA
0130M00096	RELAY	M19 - PTC123G35VXXXAA
C8873917	RELAY (HYDRONIC) (M3, M4, M5, M6, M7)	M20 - PTC123G50AXXXAA
C8873932	RELAY (POWER VENT) (M3, M4, M6, M12, M15, M19, M22)	M21 - PTC123G50CXXXAA
B1160701	TERMINAL BOARD (M3, M4, M6, M12, M15, M19, M22)	M22 - PTC123G50DXXXAA
0130P00073	THERMISTOR	M23 - PTC123G50RXXXAA
0130P00094	THERMISTOR (M3, M5, M8, M11, M16, M18, M23)	
0130P00075	THERMISTOR - DISCHARGE	
0130P00077	THERMISTOR - INDOOR (M3, M5, M8, M11, M16, M18, M23)	
0130P00084	THERMISTOR - INDOOR COIL	
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M3, M5, M8, M11, M16, M18, M23)	
0130M00152	TRANSFORMER (M1, M2, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23)	

Control Panel / Front Assembly



Control Panel / Front Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

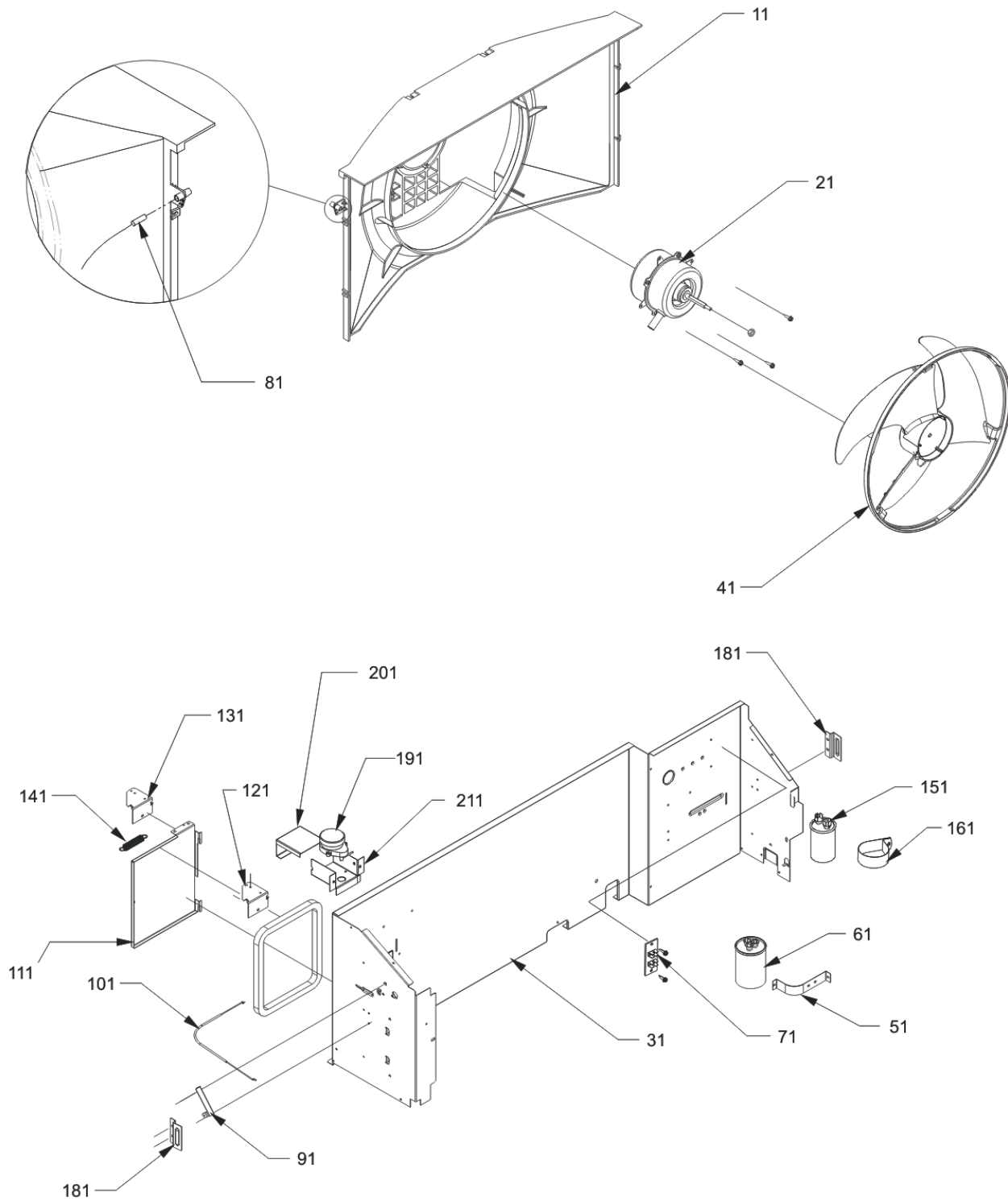
Image 1:

11	0161P00033	FRONT-DISCHARGE LOUVERS (M1, M2, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23)
21	RSKP0010	CONTROL BOARD M61 (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22)
31	0130M00152	TRANSFORMER (M1, M2, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23)
41	0163P00025	CLIP (M1, M2, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23)
51	0121P00087	PANEL, CONTROL
61	0121P00073	SCREEN, DISCHARGE (M1, M2, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23)
71	0261P00003	DOOR ASSY -AMANA- (M1, M2, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23)
81	0261P00011	FRONT ASSY (M1, M2, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23)
91	0161P00035	FILTER, RACK (M1, M2, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23)
121	0130M00096	RELAY
121	C8873917	RELAY (HYDRONIC) (M3, M4, M5, M6, M7)
121	C8873932	RELAY (POWER VENT) (M3, M4, M6, M12, M15, M19, M22)
141	0259P00009	HARNESS, HYDR HT PTC (M3, M4, M5, M6, M7)
191	0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (M3, M4, M5, M6, M7, M12, M15, M19, M22)
261	0130P00104	ANTENNA (DIGITENNA) (M3, M5, M8, M11, M16, M18, M23)
291	B1337701	PADDLE SWITCH (M3, M4, M6, M12, M15, M19, M22)

Expanded Model Nomenclature

M1 - PTC123G00AXXXAA
M2 - PTC123G00CXXXAA
M3 - PTC123G00DHRXAA
M4 - PTC123G00DHXXAA
M5 - PTC123G00HRXXAA
M6 - PTC123G00HVXXAA
M7 - PTC123G00HXXXAA
M8 - PTC123G00RXXXAA
M9 - PTC123G25AXXXAA
M10 - PTC123G25CXXXAA
M11 - PTC123G25RXXXAA
M12 - PTC123G25VXXXAA
M13 - PTC123G35AXXXAA
M14 - PTC123G35CXXXAA
M15 - PTC123G35DXXXAA
M16 - PTC123G35QRXXAA
M17 - PTC123G35QXXXAA
M18 - PTC123G35RXXXAA
M19 - PTC123G35VXXXAA
M20 - PTC123G50AXXXAA
M21 - PTC123G50CXXXAA
M22 - PTC123G50DXXXAA
M23 - PTC123G50RXXXAA

Condenser Fan / Partition Assembly



Condenser Fan / Partition Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

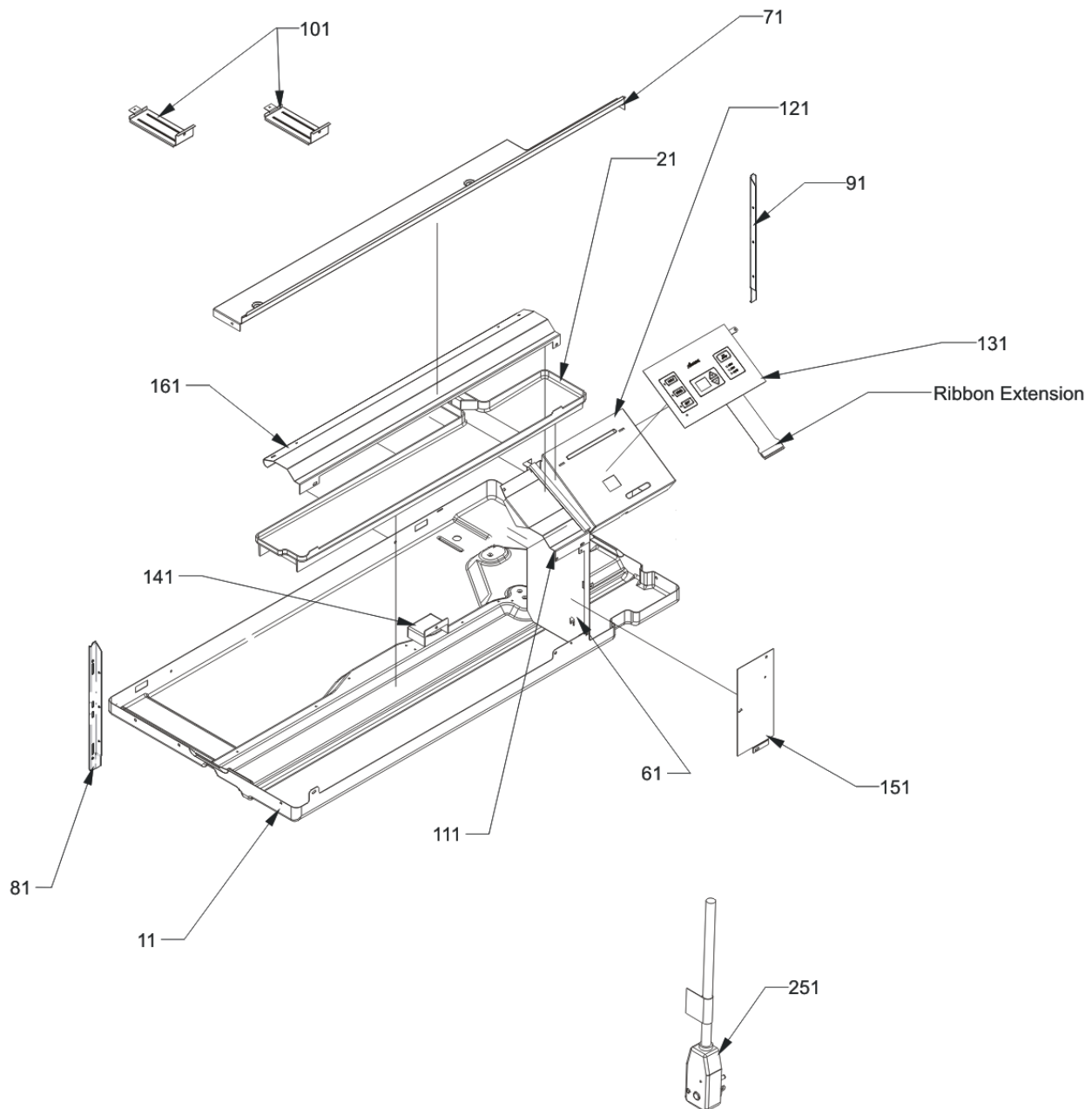
Image 1:

11	0161P00026	SHROUD, CONDENSER
21	0131P00027	FAN MOTOR, OUTDOOR
31	0121P00093	PANEL-PARTITION (M16, M17)
31	0121P00108DG	PANEL-PARTITION (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M18, M19, M20, M21, M22, M23)
41	0161P00030	FAN, CONDENSER
51	C6300502	CAPACITOR STRAP
61	CAP020300450CS	CAPACITOR 2/30/450V/DUAL RD
71	B1160701	TERMINAL BOARD (M3, M4, M6, M12, M15, M19, M22)
81	0130P00098	THERMISTOR - OUTDOOR AMBIENT (M3, M5, M8, M11, M16, M18, M23)
91	11046302	LEVER ARM (M1, M2, M5, M7, M8, M9, M10, M11, M13, M14, M18, M20, M21, M23)
101	0163P00019	CABLE (M1, M2, M5, M7, M8, M9, M10, M11, M13, M14, M18, M20, M21, M23)
111	11046105PDG	VENT DOOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M18, M19, M20, M21, M22, M23)
121	0121P00079	BRACKET, VENT DOOR (M3, M4, M6, M12, M15, M19, M22)
131	0121P00080	BRACKET, POWER VENT (M3, M4, M6, M12, M15, M19, M22)
131	0121P00072DG	BRACKET, VENT DOOR-C (M1, M2, M5, M7, M8, M9, M10, M11, M13, M14, M18, M20, M21, M23)
141	11166401	EXTENSION SPRING (M3, M4, M6, M12, M15, M19, M22)
151	CAP020000440RP	CAPACITOR 2/440V
161	0163P00029	CAPACITOR CLAMP
181	11191703	PARTITION PANEL BRACKET (M1, M2, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23)
191	11172801	POWER VENT MOTOR (M3, M4, M6, M12, M15, M19, M22)
201	11166201	POWER VENT COVER BRACKET (M3, M4, M6, M12, M15, M19, M22)
211	11166101	POWER VENT MOTOR BRACKET (M3, M4, M6, M12, M15, M19, M22)
NS	11149201	MUFFIN FAN (M6, M12, M19)

Expanded Model Nomenclature

M1 - PTC123G00AXXXAA
M2 - PTC123G00CXXXAA
M3 - PTC123G00DHRXAA
M4 - PTC123G00DHXXAA
M5 - PTC123G00HRXXAA
M6 - PTC123G00HVXXAA
M7 - PTC123G00HXXXAA
M8 - PTC123G00RXXXAA
M9 - PTC123G25AXXXAA
M10 - PTC123G25CXXXAA
M11 - PTC123G25RXXXAA
M12 - PTC123G25VXXXAA
M13 - PTC123G35AXXXAA
M14 - PTC123G35CXXXAA
M15 - PTC123G35DXXXAA
M16 - PTC123G35QRXXAA
M17 - PTC123G35QXXXAA
M18 - PTC123G35RXXXAA
M19 - PTC123G35VXXXAA
M20 - PTC123G50AXXXAA
M21 - PTC123G50CXXXAA
M22 - PTC123G50DXXXAA
M23 - PTC123G50RXXXAA

Partition Assembly



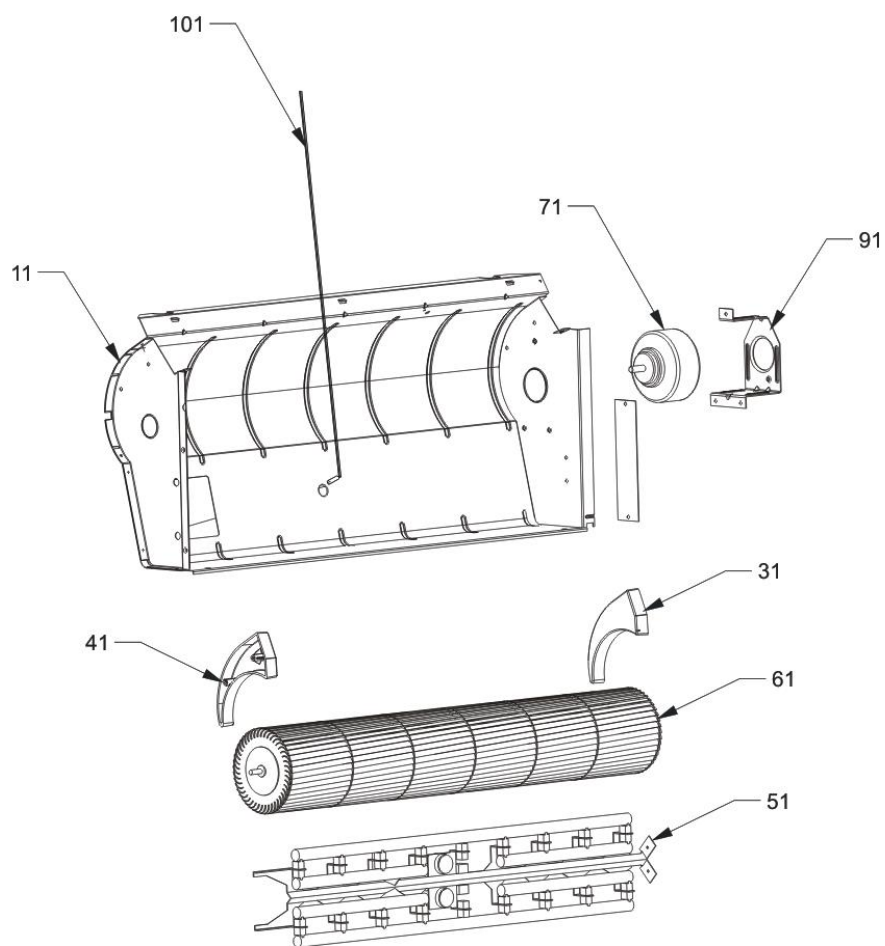
Partition Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00133BR		BASEPAN (M2, M10, M14, M21)
11	0121P00133DG		BASEPAN (M1, M3, M4, M5, M6, M7, M8, M9, M11, M12, M13, M15, M16, M17, M18, M19, M20, M22, M23)
21	0161P00044		PLASTIC-DRAIN PAN
61	20403301		MID PARTITION PANEL
71	0121P00063DG		TOP, PARTITION PANEL (M2, M10, M14, M21)
81	20416201		SEAL-L SIDE PTC
91	20416101		SEAL-R SIDE PTC
101	0121P00071DG		BRACE, TIE (QTY 2)
111	0121P00070DG		COVER, MOTOR
121	0121P00129		COVER-CONTROL PANEL
131	0130P00054		MEMBRANE (CONTROL)
141	0161P00016		PLASTIC-HOOD
151	20410801		ACCESS COVER
161	0121P00061DG		CUTOFF-SCROLL DG
251	0130P00059		CORD, 250VAC, 15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
251	0130P00058		CORD, 250VAC, 20A (LCD) (M13, M14, M15, M16, M17, M18, M19)
251	0130P00061		CORD, 250VAC, 30A (LCD) (M20, M21, M22, M23)
NS	RSKP0005		CONTROL PANEL COVER AND MEMBRANE

Expanded Model Nomenclature

M1 - PTC123G00AXXXAA
M2 - PTC123G00CXXXAA
M3 - PTC123G00DHRXAA
M4 - PTC123G00DHXXAA
M5 - PTC123G00HRXXAA
M6 - PTC123G00HVXXAA
M7 - PTC123G00HXXXAA
M8 - PTC123G00RXXXAA
M9 - PTC123G25AXXXAA
M10 - PTC123G25CXXXAA
M11 - PTC123G25RXXXAA
M12 - PTC123G25VXXXAA
M13 - PTC123G35AXXXAA
M14 - PTC123G35CXXXAA
M15 - PTC123G35DXXXAA
M16 - PTC123G35QRXXAA
M17 - PTC123G35QXXXAA
M18 - PTC123G35RXXXAA
M19 - PTC123G35VXXXAA
M20 - PTC123G50AXXXAA
M21 - PTC123G50CXXXAA
M22 - PTC123G50DXXXAA
M23 - PTC123G50RXXXAA

Evaporator Blower / Heater Assembly



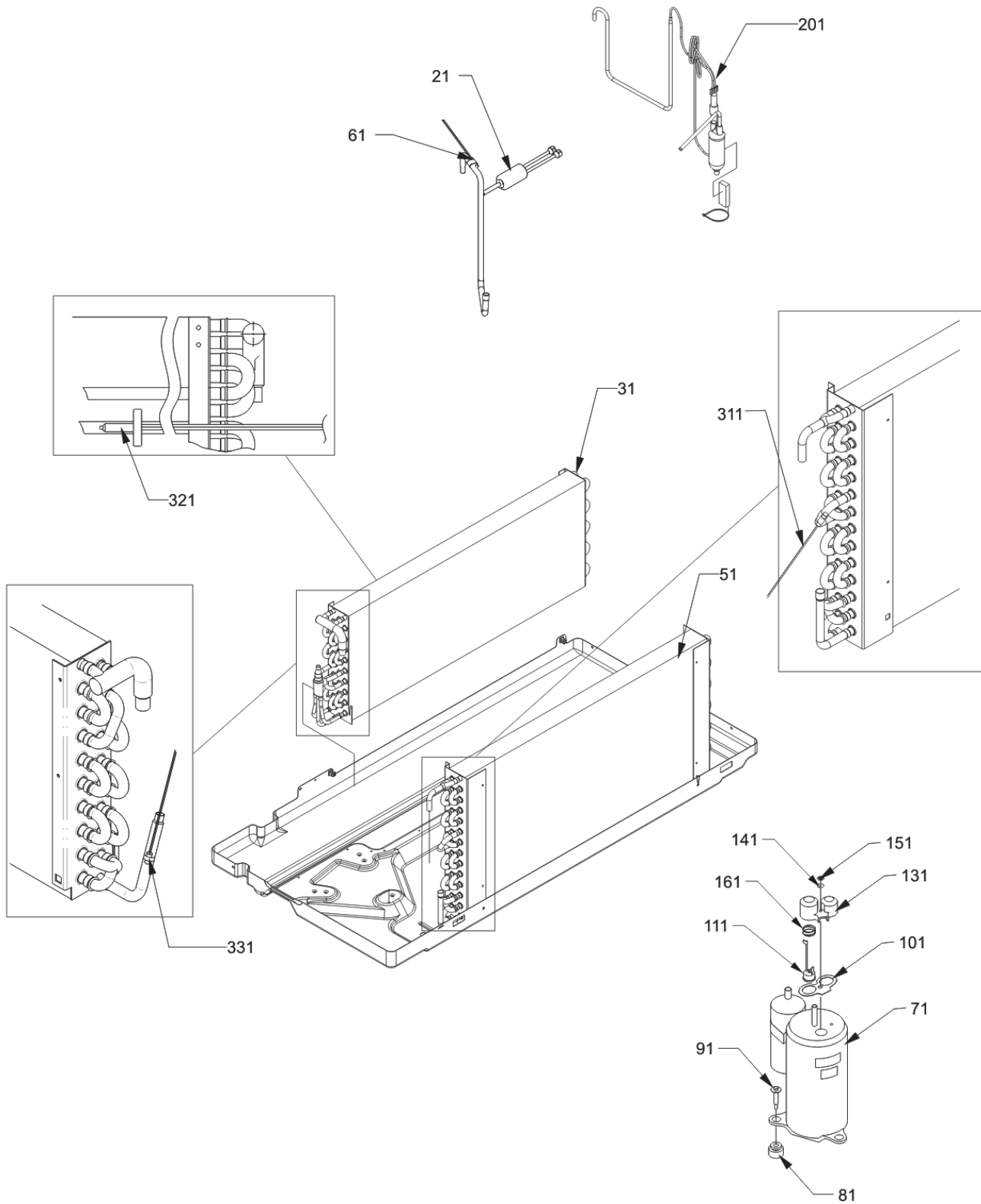
Evaporator Blower / Heater Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0270P01070		SCROLL ASSY
31	0161P00021		END CAP, RIGHT
41	0161P00022		END CAP, LEFT
51	0275P00019		HEATER ASSY (M9, M10, M11, M12)
51	0275P00038		HEATER ASSY (M13, M14, M15, M16, M17, M18, M19)
51	0275P00039		HEATER ASSY (M20, M21, M22, M23)
61	0150P00004		WHEEL, BLOWER
71	0131P00035		FAN MOTOR, INDOOR (M1, M2, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19)
71	0131P00036		FAN MOTOR, INDOOR (M3, M4, M5, M6, M7, M20, M21, M22, M23)
91	0121P00048		BRACKET-MOTOR MOUNT
101	0130P00075		THERMISTOR - DISCHARGE
NS	0163P00027		BEARING

Expanded Model Nomenclature

M1 - PTC123G00AXXXAA
 M2 - PTC123G00CXXXAA
 M3 - PTC123G00DHRXAA
 M4 - PTC123G00DHXXAA
 M5 - PTC123G00HRXXAA
 M6 - PTC123G00HVXXAA
 M7 - PTC123G00HXXXAA
 M8 - PTC123G00RXXXAA
 M9 - PTC123G25AXXXAA
 M10 - PTC123G25CXXXAA
 M11 - PTC123G25RXXXAA
 M12 - PTC123G25VXXXAA
 M13 - PTC123G35AXXXAA
 M14 - PTC123G35CXXXAA
 M15 - PTC123G35DXXXAA
 M16 - PTC123G35QRXXAA
 M17 - PTC123G35QXXXAA
 M18 - PTC123G35RXXXAA
 M19 - PTC123G35VXXXAA
 M20 - PTC123G50AXXXAA
 M21 - PTC123G50CXXXAA
 M22 - PTC123G50DXXXAA
 M23 - PTC123G50RXXXAA

Coil / Compressor / Tubing Assembly



Coil / Compressor / Tubing Assembly

Ref. Part

No: No: Description:

Ref. Part

No: No: Description:

Image 1:

21	0130M00132	CUT-OUT SWITCH, HIGH PRESSURE
31	0202P00067	EVAP ASSY, 3/8, 2 ROW
51	0201P00094	5 MM CONDENSER COIL ASSY (M1, M3, M4, M5, M6, M7, M8, M9, M11, M12, M13, M15, M16, M17, M18, M19, M20, M22, M23)
51	0202P00072DG	CONDENSER ASSY PNT (M2, M10, M14, M21)
61	0130P00077	THERMISTOR - INDOOR (M3, M5, M8, M11, M16, M18, M23)
71	44A282A	COMPRESSOR, RECHI
81	60130203	GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163M00079	SCREW, SHOULDER (QTY 3)
101	60100103	TERMINAL GASKET
111	60343503	OVERLOAD PROTECTOR
131	60100314	TERMINAL COVER - RECHI COMP
141	60100201	WASHER - RECHI COMPRESSOR
151	60100401	TERMINAL NUT - RECHI COMP
161	60500101	OLP SPRING - RECHI COMPRESSOR
201	0210P00198	CAPILLARY WELDMENT
311	0130P00094	THERMISTOR (M3, M5, M8, M11, M16, M18, M23)
321	0130P00073	THERMISTOR
331	0130P00084	THERMISTOR - INDOOR COIL

Expanded Model Nomenclature

M1 - PTC123G00AXXXAA
 M2 - PTC123G00CXXXAA
 M3 - PTC123G00DHRXAA
 M4 - PTC123G00DHXXAA
 M5 - PTC123G00HRXXAA
 M6 - PTC123G00HVXXAA
 M7 - PTC123G00HXXXAA
 M8 - PTC123G00RXXXAA
 M9 - PTC123G25AXXXAA
 M10 - PTC123G25CXXXAA
 M11 - PTC123G25RXXXAA
 M12 - PTC123G25VXXXAA
 M13 - PTC123G35AXXXAA
 M14 - PTC123G35CXXXAA
 M15 - PTC123G35DXXXAA
 M16 - PTC123G35QRXXAA
 M17 - PTC123G35QXXXAA
 M18 - PTC123G35RXXXAA
 M19 - PTC123G35VXXXAA
 M20 - PTC123G50AXXXAA
 M21 - PTC123G50CXXXAA
 M22 - PTC123G50DXXXAA
 M23 - PTC123G50RXXXAA