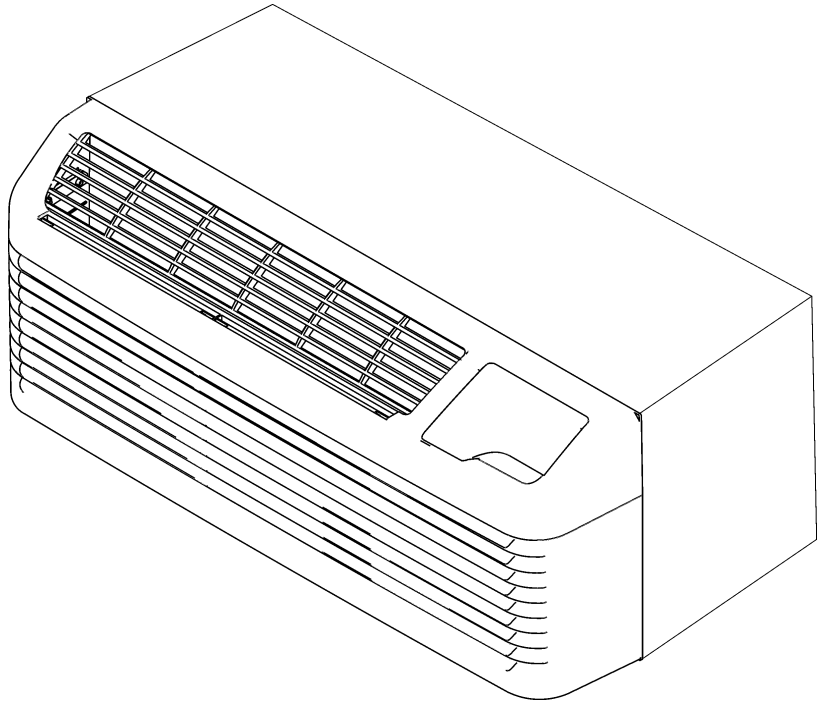


REPAIR PARTS

PTC123G Series R410A PTAC Coolers

PTC123G00AXXXAB
PTC123G00CXXXAB
PTC123G00DHRXAB
PTC123G00DHXXAB
PTC123G00HRXXAB
PTC123G00HXXXAB
PTC123G00RXXXAB
PTC123G25AXXXAB
PTC123G25CXXXAB
PTC123G25RXXXAB
PTC123G35AXXXAB
PTC123G35CXXXAB
PTC123G35DXXXAB
PTC123G35QXXXAB
PTC123G35RXXXAB
PTC123G35VXXXAB
PTC123G50AXXXAB
PTC123G50CXXXAB
PTC123G50DXXXAB
PTC123G50RXXXAB
PTC123G50VXXXAB



This manual is to be used by qualified technicians only.

This manual replaces RP-757A.

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Important Information

Index

Functional Parts List	3
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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.

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

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

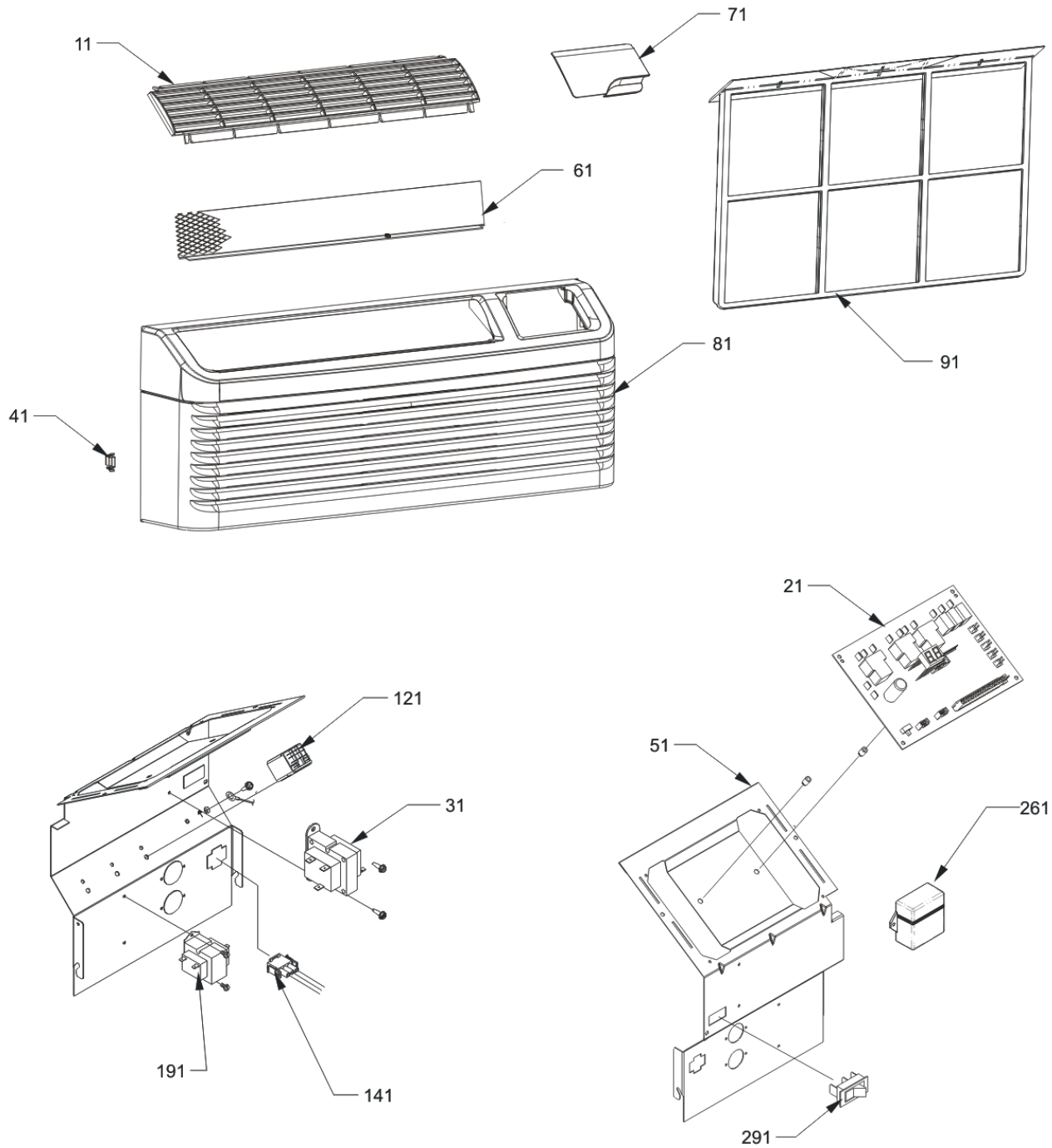
Part

No:

Description:

		Expanded Model Nomenclature
0130P00104	ANTENNA (DIGITENNA) (M3, M5, M7, M10, M15, M20)	M1 - PTC123G00AXXXAB
CAP020300450CS	CAPACITOR 2/30/450V/DUAL RD	M2 - PTC123G00CXXXAB
CAP020000440RP	CAPACITOR 2/440V	M3 - PTC123G00DHRXXAB
44A282A	COMPRESSOR, RECHI	M4 - PTC123G00DHXXAB
RSKP0010	CONTROL BOARD M61 (M1, M2, M4, M6, M8, M9, M11, M12, M13, M14, M16, M17, M18, M19, M21)	M5 - PTC123G00HRXXAB
RSKP0005	CONTROL PANEL COVER AND MEMBRANE	M6 - PTC123G00HXXXAB
0130P00059	CORD, 250VAC, 15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)	M7 - PTC123G00RXXXAB
0130P00058	CORD, 250VAC, 20A (LCD) (M11, M12, M13, M14, M15, M16)	M8 - PTC123G25AXXXAB
0130P00061	CORD, 250VAC, 30A (LCD) (M17, M18, M19, M20, M21)	M9 - PTC123G25CXXXAB
0130M00132	CUT-OUT SWITCH, HIGH PRESSURE	M10 - PTC123G25RXXXAB
0131P00036	FAN MOTOR, INDOOR (M3, M4, M5, M6, M17, M18, M19, M20, M21)	M11 - PTC123G35AXXXAB
0131P00035	FAN MOTOR, INDOOR (M1, M2, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16)	M12 - PTC123G35CXXXAB
0131P00033	FAN MOTOR, OUTDOOR	M13 - PTC123G35DXXXAB
0161P00030	FAN, CONDENSER	M14 - PTC123G35QXXXAB
0275P00038	HEATER ASSY (M11, M12, M13, M14, M15, M16)	M15 - PTC123G35RXXXAB
0275P00019	HEATER ASSY (M8, M9, M10)	M16 - PTC123G35VXXXAB
0275P00039	HEATER ASSY (M17, M18, M19, M20, M21)	M17 - PTC123G50AXXXAB
11149201	MUFFIN FAN (M16, M21)	M18 - PTC123G50CXXXAB
11172801	POWER VENT MOTOR (M3, M4, M13, M16, M19, M21)	M19 - PTC123G50DXXXAB
0130M00096	RELAY	M20 - PTC123G50RXXXAB
C8873917	RELAY (HYDRONIC) (M3, M4, M5, M6)	M21 - PTC123G50VXXXAB
C8873932	RELAY (POWER VENT) (M3, M4, M13, M16, M19, M21)	
0130P00094	THERMISTOR (M3, M5, M7, M10, M15, M20)	
0130P00073	THERMISTOR	
0130P00075	THERMISTOR - DISCHARGE	
0130P00077	THERMISTOR - INDOOR (M3, M5, M7, M10, M15, M20)	
0130P00084	THERMISTOR - INDOOR COIL	
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M3, M5, M7, M10, M15, M20)	
0150P00004	WHEEL, BLOWER	

Front Assy



Front Assy

Ref. Part
No: No:

Description:

Ref. Part
No: No:

Description:

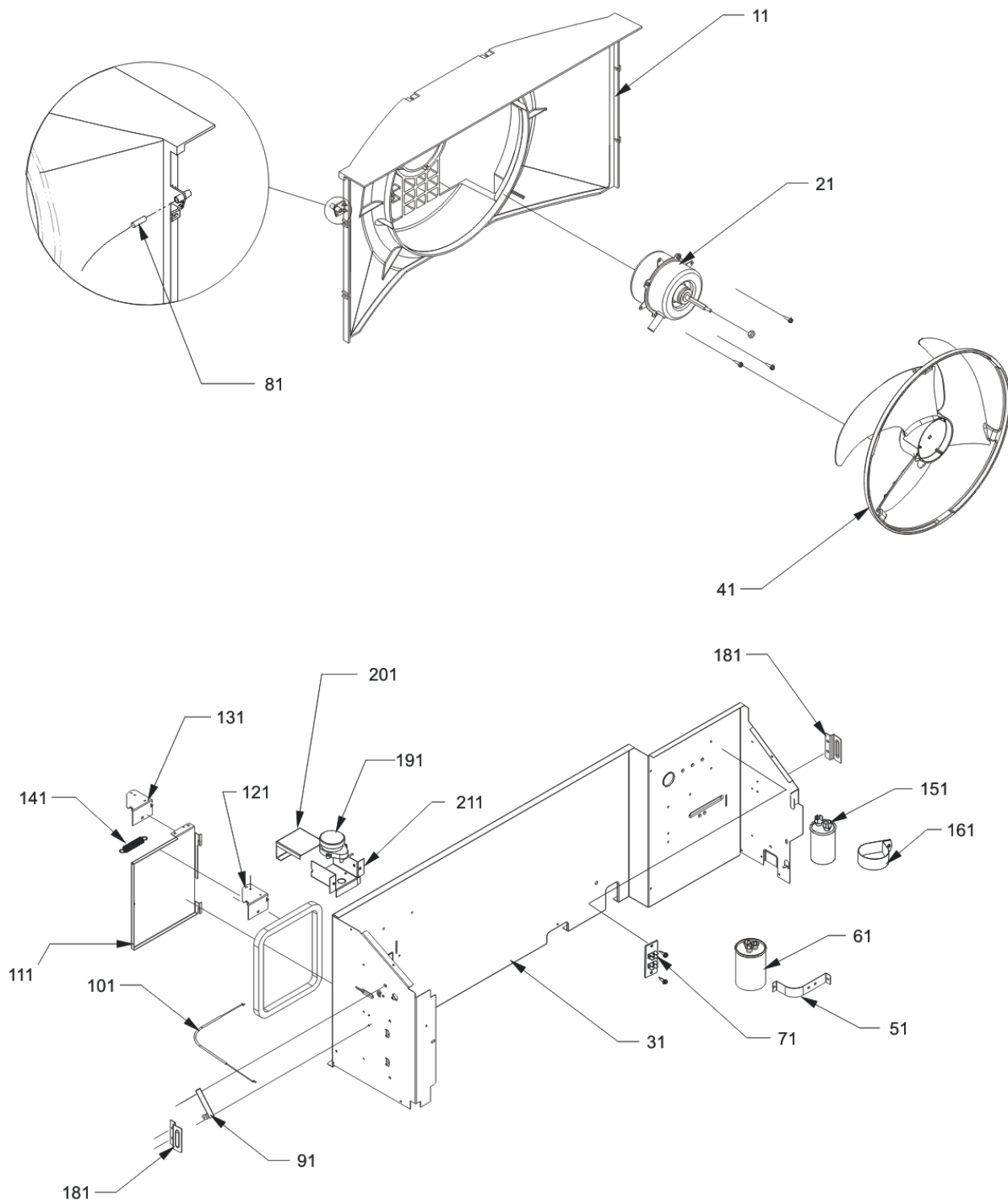
Image 1:

11	0161P00033	FRONT-DISCHARGE LOUVERS (M1, M2, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)
21	RSKP0010	CONTROL BOARD M61 (M1, M2, M4, M6, M8, M9, M11, M12, M13, M14, M16, M17, M18, M19, M21)
31	0130M00152	TRANSFORMER (M1, M2, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)
41	0163P00025	CLIP (M1, M2, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)
51	0121P00129	COVER-CONTROL PANEL
61	0121P00073	SCREEN, DISCHARGE (M1, M2, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)
71	0261P00003	DOOR ASSY -AMANA- (M1, M2, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)
81	0261P00006	FRONT MODULE (M1, M2, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)
91	0161P00035	FILTER, RACK (M1, M2, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)
121	0130M00096	RELAY
121	C8873917	RELAY (HYDRONIC) (M3, M4, M5, M6)
121	C8873932	RELAY (POWER VENT) (M3, M4, M13, M16, M19, M21)
141	0259P00009	HARNESS, HYDR HT PTC (M3, M4, M5, M6)
191	0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (M3, M4, M5, M6, M13, M16, M19, M21)
261	0130P00104	ANTENNA (DIGITENNA) (M3, M5, M7, M10, M15, M20)
291	B1337701	PADDLE SWITCH (M3, M4, M13, M16, M19, M21)

Expanded Model Nomenclature

M1 - PTC123G00AXXXAB
M2 - PTC123G00CXXXAB
M3 - PTC123G00DHRXAB
M4 - PTC123G00DHXXAB
M5 - PTC123G00HRXXAB
M6 - PTC123G00HXXXAB
M7 - PTC123G00RXXXAB
M8 - PTC123G25AXXXAB
M9 - PTC123G25CXXXAB
M10 - PTC123G25RXXXAB
M11 - PTC123G35AXXXAB
M12 - PTC123G35CXXXAB
M13 - PTC123G35DXXXAB
M14 - PTC123G35QXXXAB
M15 - PTC123G35RXXXAB
M16 - PTC123G35VXXXAB
M17 - PTC123G50AXXXAB
M18 - PTC123G50CXXXAB
M19 - PTC123G50DXXXAB
M20 - PTC123G50RXXXAB
M21 - PTC123G50VXXXAB

Chassis Control Panel



Chassis Control Panel

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

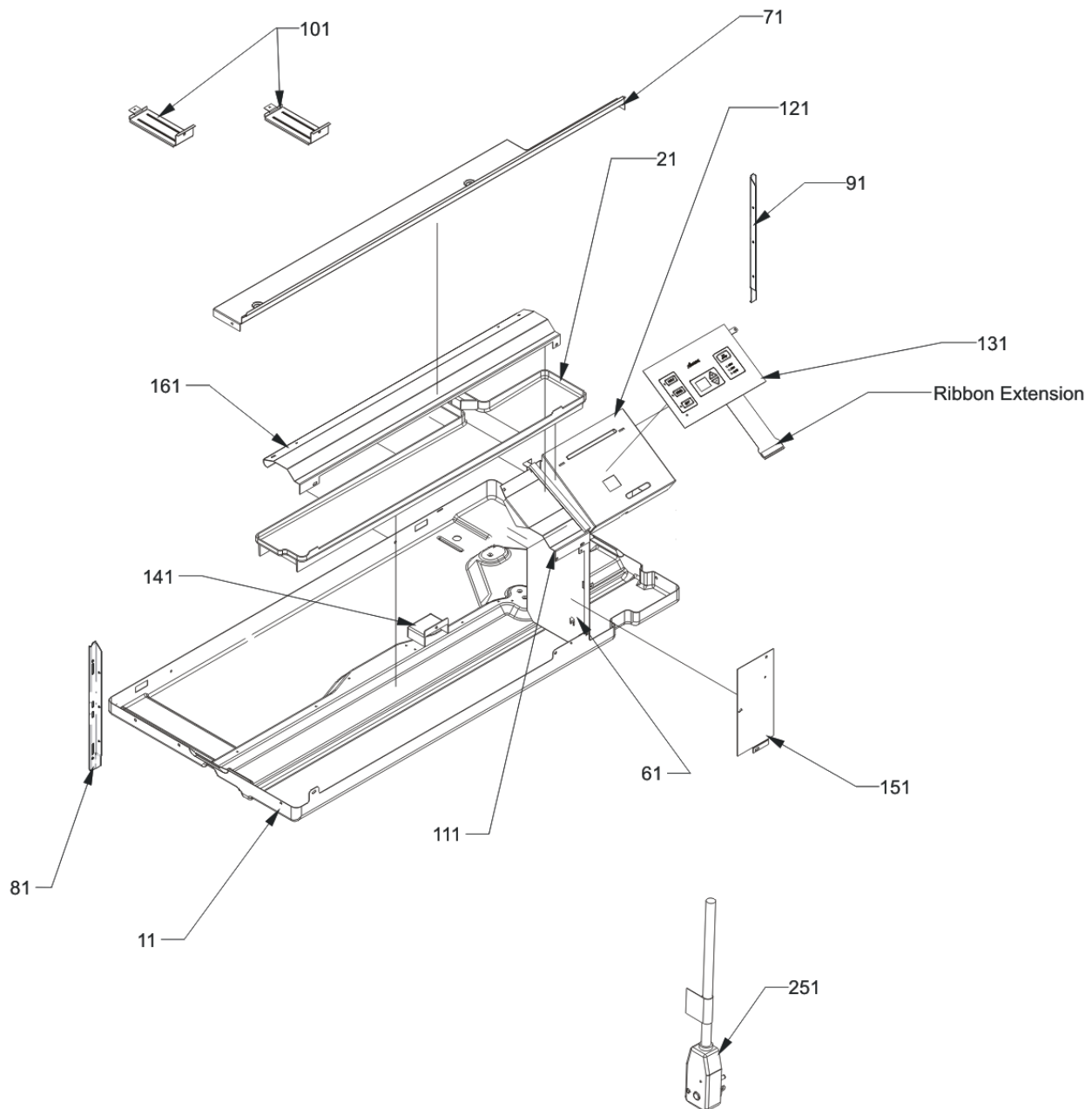
Image 1:

11	0161P00026	SHROUD, CONDENSER
21	0131P00033	FAN MOTOR, OUTDOOR
31	0121P00093	PANEL-PARTITION (M14)
31	0121P00108DG	PANEL-PARTITION (M2, M9, M12, M18)
41	0161P00030	FAN, CONDENSER
51	C6300502	CAPACITOR STRAP
61	CAP020300450CS	CAPACITOR 2/30/450V/DUAL RD
71	B1160701	TERMINAL BOARD (M3, M4, M13, M16, M19, M21)
81	0130P00098	THERMISTOR - OUTDOOR AMBIENT (M3, M5, M7, M10, M15, M20)
91	11046302	LEVER ARM (M1, M2, M5, M6, M7, M8, M9, M10, M11, M12, M15, M17, M18, M20)
101	0163P00019	CABLE
111	11046105PDG	VENT DOOR (M2, M9, M12, M18)
121	0121P00079	BRACKET, VENT DOOR (M3, M4, M13, M16, M19, M21)
131	0121P00080	BRACKET, POWER VENT (M3, M4, M13, M16, M19, M21)
131	0121P00072DG	BRACKET, VENT DOOR-C (M2, M9, M12, M18)
141	11166401	EXTENSION SPRING (M3, M4, M13, M16, M19, M21)
151	CAP020000440RP	CAPACITOR 2/440V
161	0163P00029	CAPACITOR CLAMP
181	11191703	PARTITION PANEL BRACKET (M1, M2, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)
191	11172801	POWER VENT MOTOR (M3, M4, M13, M16, M19, M21)
201	11166201	POWER VENT COVER BRACKET (M3, M4, M13, M16, M19, M21)
211	11166101	POWER VENT MOTOR BRACKET (M3, M4, M13, M16, M19, M21)
NS	11149201	MUFFIN FAN (M16, M21)

Expanded Model Nomenclature

M1 - PTC123G00AXXXAB
M2 - PTC123G00CXXXAB
M3 - PTC123G00DHRXAB
M4 - PTC123G00DHXXAB
M5 - PTC123G00HRXXAB
M6 - PTC123G00HXXXAB
M7 - PTC123G00RXXXAB
M8 - PTC123G25AXXXAB
M9 - PTC123G25CXXXAB
M10 - PTC123G25RXXXAB
M11 - PTC123G35AXXXAB
M12 - PTC123G35CXXXAB
M13 - PTC123G35DXXXAB
M14 - PTC123G35QXXXAB
M15 - PTC123G35RXXXAB
M16 - PTC123G35VXXXAB
M17 - PTC123G50AXXXAB
M18 - PTC123G50CXXXAB
M19 - PTC123G50DXXXAB
M20 - PTC123G50RXXXAB
M21 - PTC123G50VXXXAB

Partition Assy



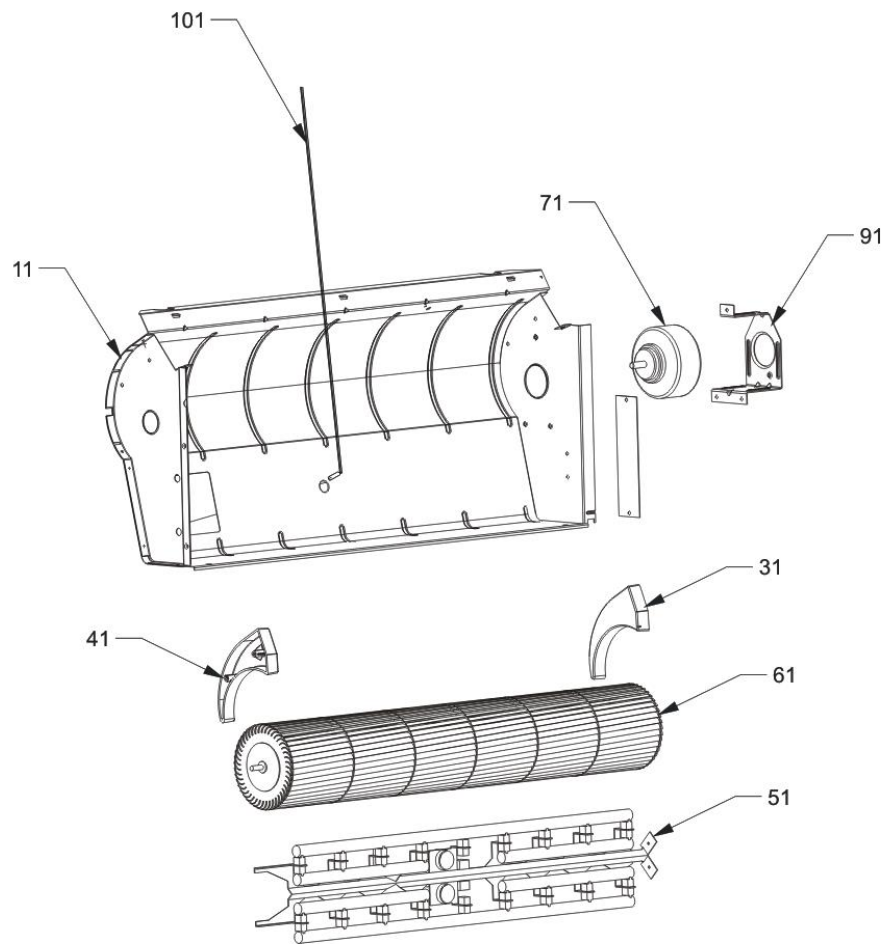
Partition Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00133BR		BASEPAN (M2, M9, M12, M18)
11	0121P00133DG		BASEPAN (M1, M3, M4, M5, M6, M7, M8, M10, M11, M13, M14, M15, M16, M17, M19, M20, M21)
21	0161P00044		PLASTIC-DRAIN PAN
61	20403301		MID PARTITION PANEL
71	0121P00063DG		TOP, PARTITION PANEL (M2, M9, M12, M18)
81	20416201		SEAL-L SIDE PTC
91	20416101		SEAL-R SIDE PTC
101	0121P00071DG		BRACE, TIE (M2, M9, M12, M18)
111	0121P00070DG		COVER, MOTOR
121	0121P00087		PANEL, CONTROL
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)
251	0130P00058		CORD, 250VAC, 20A (LCD) (M11, M12, M13, M14, M15, M16)
251	0130P00061		CORD, 250VAC, 30A (LCD) (M17, M18, M19, M20, M21)
NS	RSKP0005		CONTROL PANEL COVER AND MEMBRANE

Expanded Model Nomenclature

M1 - PTC123G00AXXXAB
M2 - PTC123G00CXXXAB
M3 - PTC123G00DHRXAB
M4 - PTC123G00DHXXAB
M5 - PTC123G00HRXXAB
M6 - PTC123G00HXXXAB
M7 - PTC123G00RXXXAB
M8 - PTC123G25AXXXAB
M9 - PTC123G25CXXXAB
M10 - PTC123G25RXXXAB
M11 - PTC123G35AXXXAB
M12 - PTC123G35CXXXAB
M13 - PTC123G35DXXXAB
M14 - PTC123G35QXXXAB
M15 - PTC123G35RXXXAB
M16 - PTC123G35VXXXAB
M17 - PTC123G50AXXXAB
M18 - PTC123G50CXXXAB
M19 - PTC123G50DXXXAB
M20 - PTC123G50RXXXAB
M21 - PTC123G50VXXXAB

Indoor Assy



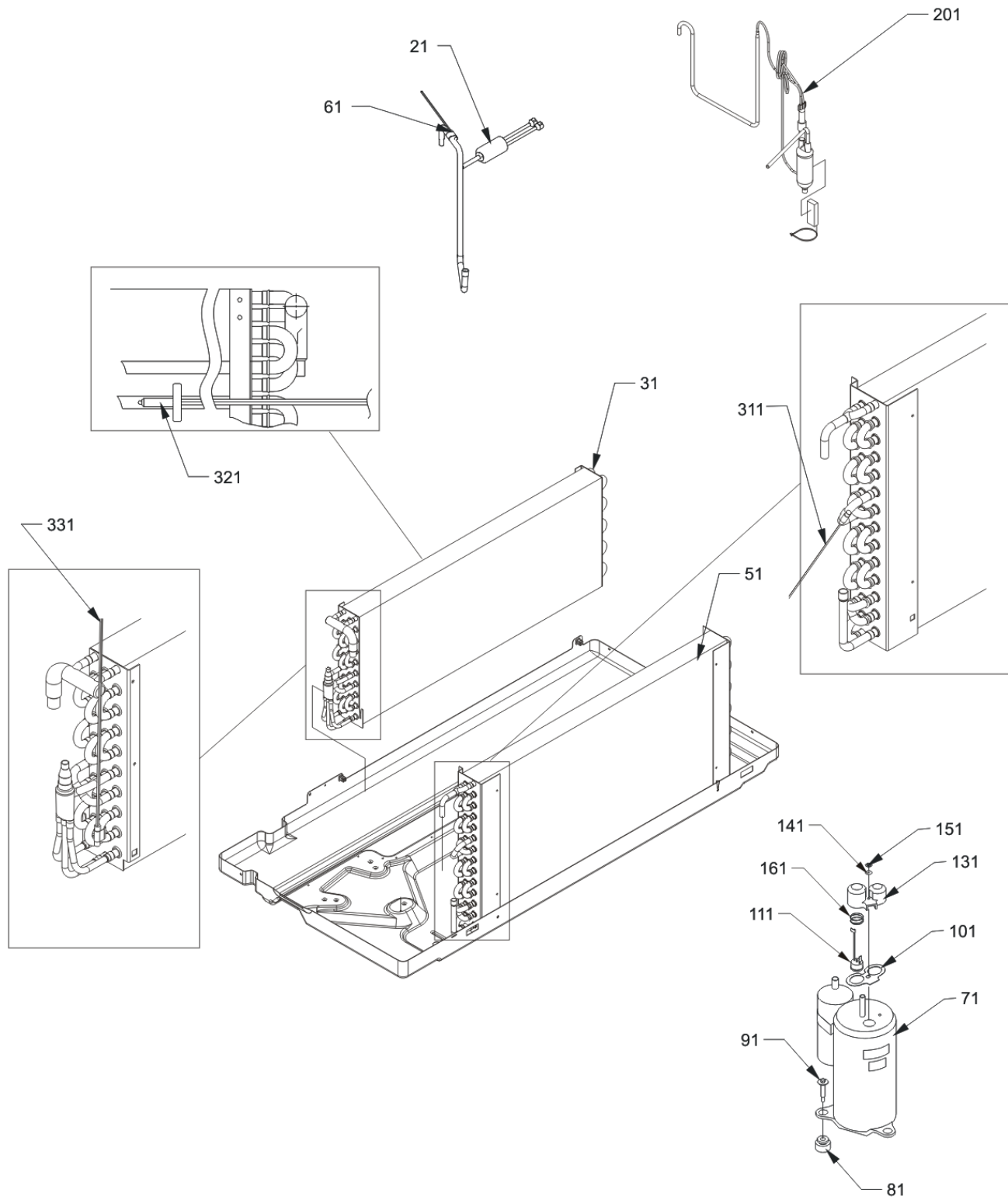
Indoor Assy

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 (M8, M9, M10)
51	0275P00038		HEATER ASSY (M11, M12, M13, M14, M15, M16)
51	0275P00039		HEATER ASSY (M17, M18, M19, M20, M21)
61	0150P00004		WHEEL, BLOWER
71	0131P00035		FAN MOTOR, INDOOR (M1, M2, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16)
71	0131P00036		FAN MOTOR, INDOOR (M3, M4, M5, M6, M17, M18, M19, M20, M21)
81	0121P00048		BRACKET-MOTOR MOUNT
101	0130P00075		THERMISTOR - DISCHARGE
NS	0163P00027		BEARING

Expanded Model Nomenclature

M1 - PTC123G00AXXXAB
M2 - PTC123G00CXXXAB
M3 - PTC123G00DHRXAB
M4 - PTC123G00DHXXAB
M5 - PTC123G00HRXXAB
M6 - PTC123G00HXXXAB
M7 - PTC123G00RXXXAB
M8 - PTC123G25AXXXAB
M9 - PTC123G25CXXXAB
M10 - PTC123G25RXXXAB
M11 - PTC123G35AXXXAB
M12 - PTC123G35CXXXAB
M13 - PTC123G35DXXXAB
M14 - PTC123G35QXXXAB
M15 - PTC123G35RXXXAB
M16 - PTC123G35VXXXAB
M17 - PTC123G50AXXXAB
M18 - PTC123G50CXXXAB
M19 - PTC123G50DXXXAB
M20 - PTC123G50RXXXAB
M21 - PTC123G50VXXXAB

Tubing Assy



Tubing Assy

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, M10, M11, M13, M14, M15, M16, M17, M19, M20, M21)
51	0202P00072DG		CONDENSER ASSY (M2, M9, M12, M18)
61	0130P00077		THERMISTOR - INDOOR (M3, M5, M7, M10, M15, M20)
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, M7, M10, M15, M20)
321	0130P00073		THERMISTOR
331	0130P00084		THERMISTOR - INDOOR COIL

Expanded Model Nomenclature

M1 - PTC123G00AXXXAB
M2 - PTC123G00CXXXAB
M3 - PTC123G00DHRXAB
M4 - PTC123G00DHXXAB
M5 - PTC123G00HRXXAB
M6 - PTC123G00HXXXAB
M7 - PTC123G00RXXXAB
M8 - PTC123G25AXXXAB
M9 - PTC123G25CXXXAB
M10 - PTC123G25RXXXAB
M11 - PTC123G35AXXXAB
M12 - PTC123G35CXXXAB
M13 - PTC123G35DXXXAB
M14 - PTC123G35QXXXAB
M15 - PTC123G35RXXXAB
M16 - PTC123G35VXXXAB
M17 - PTC123G50AXXXAB
M18 - PTC123G50CXXXAB
M19 - PTC123G50DXXXAB
M20 - PTC123G50RXXXAB
M21 - PTC123G50VXXXAB