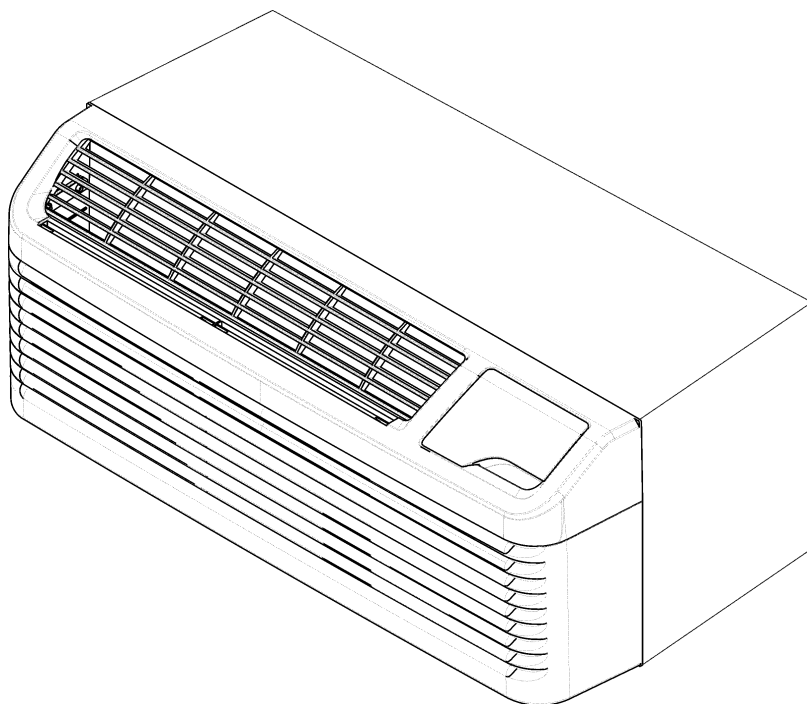


PTH124 Package Terminal Heat Pump

PTH124G15AXXXAA
PTH124G25AXXXAA
PTH124G25CXXXAA
PTH124G25NRXXAA
PTH124G25RXXXAA
PTH124G35AXXXAA
PTH124G35CXXXAA
PTH124G35DXXXAA
PTH124G35QRXXAA
PTH124G35QXXXAA
PTH124G35RXXXAA
PTH124G50AXXXAA
PTH124G50CXXXAA
PTH124G50VXXXAA



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This manual is to be used by qualified technicians only.

This manual replaces RP-736B.

Important Information

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Functional Parts List	3
Illustration and Parts	4 - 13

Views shown are for parts illustrations only, not servicing procedures

Rev. C: Added model PTH124G50VXXX

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 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.

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

Consumer Affairs Department

Goodman 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 Company, L.P.

7401 Security Way

Houston, Texas 77040

713-861-2500-Telephone

713-863-2382-Facsimile

Functional Parts

Part

No: Description:

CAP020300450CS	CAPACITOR 2/30/450V/DUAL RD
44A287A	COMPRESSOR, RECHI
RSKP0010	CONTROL BOARD M61
RSKP0005	CONTROL PANEL COVER AND MEMBRANE
0130M00132	CUT-OUT SWITCH, HIGH PRESSURE
0131P00029	FAN MOTOR, INDOOR
0131P00032	FAN MOTOR, OUTDOOR
0161P00030	FAN, CONDENSER
0275P00041	HEATER ASSY (M12, M13, M14)
0275P00040	HEATER ASSY (M6, M7, M8, M9, M10, M11)
0275P00023	HEATER ASSY (M2, M3, M4, M5)
0275P00026	HEATER ASSY (M1)
60343539	OVERLOAD PROTECTOR
0130M00097	RELAY
C8873932	RELAY (POWER VENT) (M8, M14)
0151P00001	REVERSING VALVE ASSY-265V
0130P00022	REVERSING VALVE COIL
B1160701	TERMINAL BOARD (M8, M14)
0130P00074	THERMISTOR
0130P00075	THERMISTOR - DISCHARGE
0130P00077	THERMISTOR - INDOOR (M4, M5, M9, M11)
0130P00086	THERMISTOR - INDOOR COIL
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M4, M5, M9, M11)
0130P00093	THERMISTOR .375 CLIP, BLUE
0130M00152	TRANSFORMER
0130M00151	TRANSFORMER 277V to 24V, 40VA (M8, M14)
PCBEP100	VARIABLE SPEED TERMINAL BOARD
0150P00004	WHEEL, BLOWER

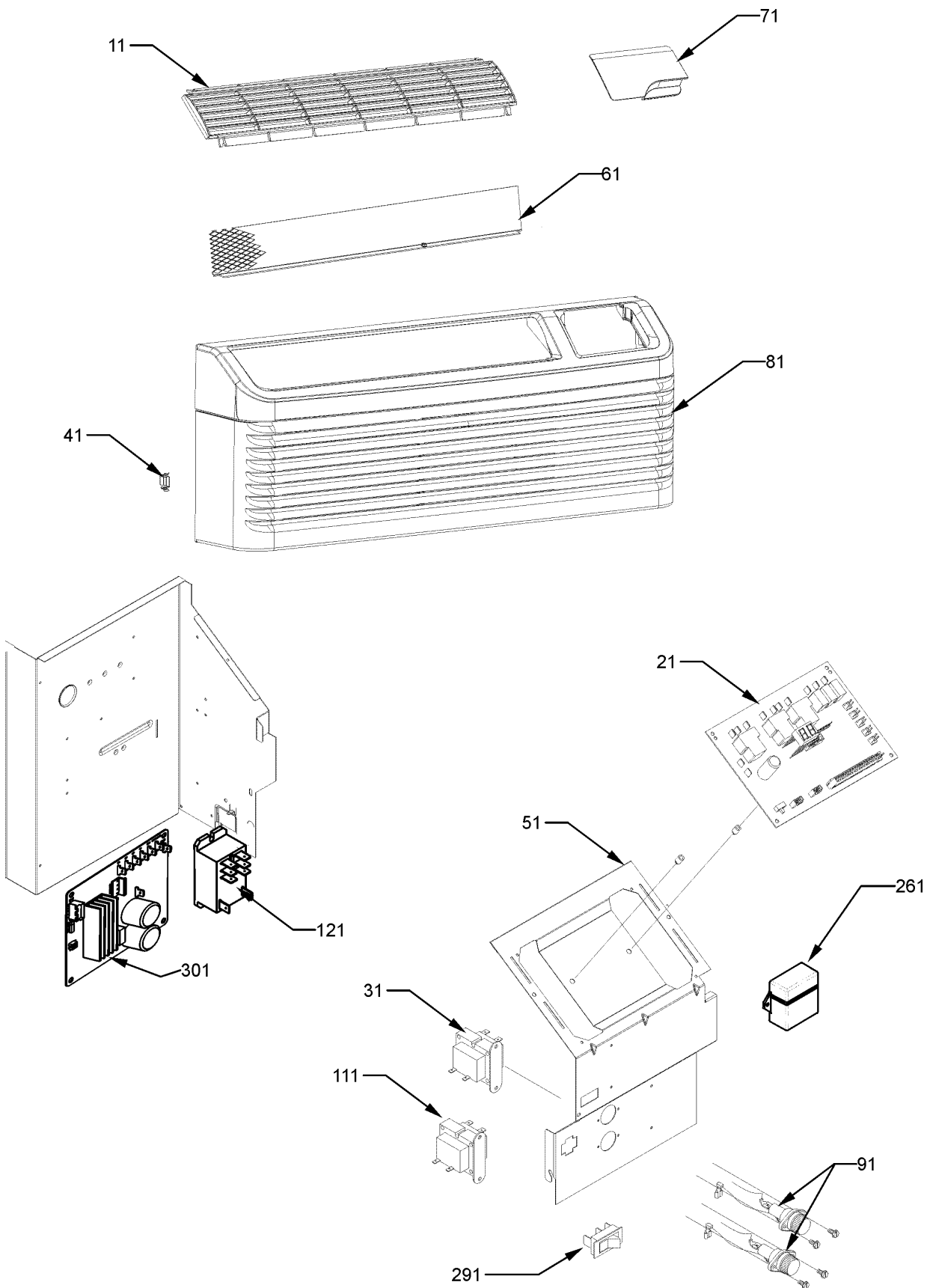
SPECIAL PARTS

A3410402	FUSE 15A (M1, M2, M3, M4, M5)
A3410403	FUSE 20A (M6, M7, M8, M9, M10, M11)
A3410404	FUSE 25A (M12, M13, M14)

Expanded Model Nomenclature

M1 - PTH124G15AXXXAA
M2 - PTH124G25AXXXAA
M3 - PTH124G25CXXXAA
M4 - PTH124G25NRXXXAA
M5 - PTH124G25RXXXAA
M6 - PTH124G35AXXXAA
M7 - PTH124G35CXXXAA
M8 - PTH124G35DXXXAA
M9 - PTH124G35QRXXXAA
M10 - PTH124G35QXXXAA
M11 - PTH124G35RXXXAA
M12 - PTH124G50AXXXAA
M13 - PTH124G50CXXXAA
M14 - PTH124G50VXXXAA

Front Assy



Front Assy

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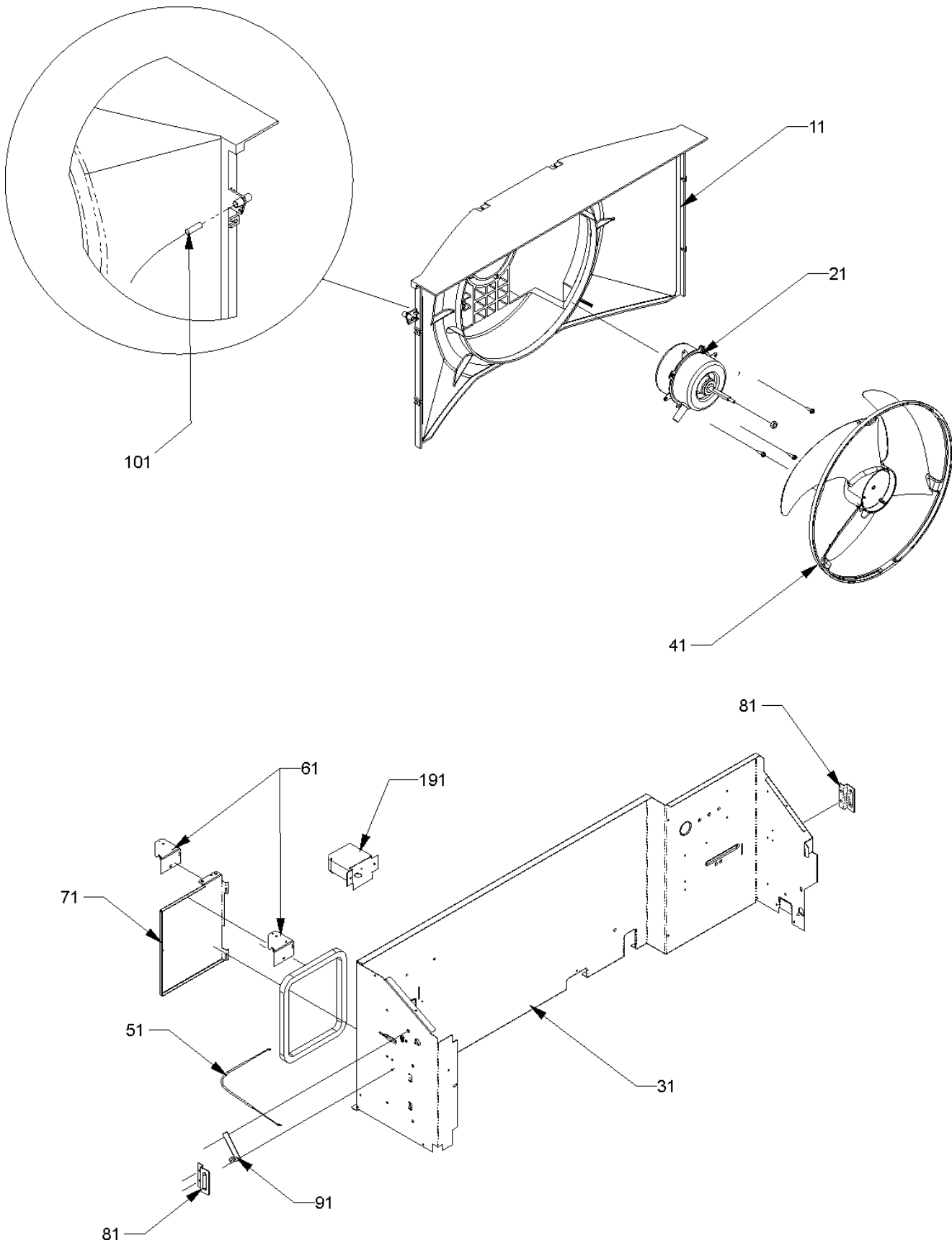
Image 1:

11	0161P00033	FRONT-DISCHARGE LOUVERS
21	RSKP0010	CONTROL BOARD M61
31	0130M00152	TRANSFORMER
41	0163P00025	CLIP (QTY 2)
51	0121P00129	COVER-CONTROL PANEL
61	0121P00073	SCREEN, DISCHARGE
71	0261P00003	DOOR ASSY -AMANA- (M1, M2, M3, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)
81	0261P00011	FRONT ASSY
91	C6476001	BAYONET FUSE HOLDER (M1, M2, M3, M4, M5)
91	C6476002	BAYONET FUSE HOLDER (M6, M7, M8, M9, M10, M11)
91	C6476003	BAYONET FUSE HOLDER (M12, M13, M14)
111	0130M00151	TRANSFORMER 277V to 24V, 40VA (M8, M14)
121	0130M00097	RELAY
121	C8873932	RELAY (POWER VENT) (M8, M14)
261	0130P00104	ANTENNA (DIGITENNA) (M4, M5, M9, M11)
291	B1337701	PADDLE SWITCH (M8, M14)
301	PCBEP100	VARIABLE SPEED TERMINAL BOARD
NS	0161P00035	FILTER, RACK (QTY 2)
NS	A3410402	FUSE 15A (M1, M2, M3, M4, M5)
NS	A3410403	FUSE 20A (M6, M7, M8, M9, M10, M11)
NS	A3410404	FUSE 25A (M12, M13, M14)
NS	B1160701	TERMINAL BOARD (M8, M14)

Expanded Model Nomenclature

M1 - PTH124G15AXXXAA
M2 - PTH124G25AXXXAA
M3 - PTH124G25CXXXAA
M4 - PTH124G25NRXXAA
M5 - PTH124G25RXXXAA
M6 - PTH124G35AXXXAA
M7 - PTH124G35CXXXAA
M8 - PTH124G35DXXXAA
M9 - PTH124G35QRXXAA
M10 - PTH124G35QXXXAA
M11 - PTH124G35RXXXAA
M12 - PTH124G50AXXXAA
M13 - PTH124G50CXXXAA
M14 - PTH124G50VXXXAA

Chassis Control Panel



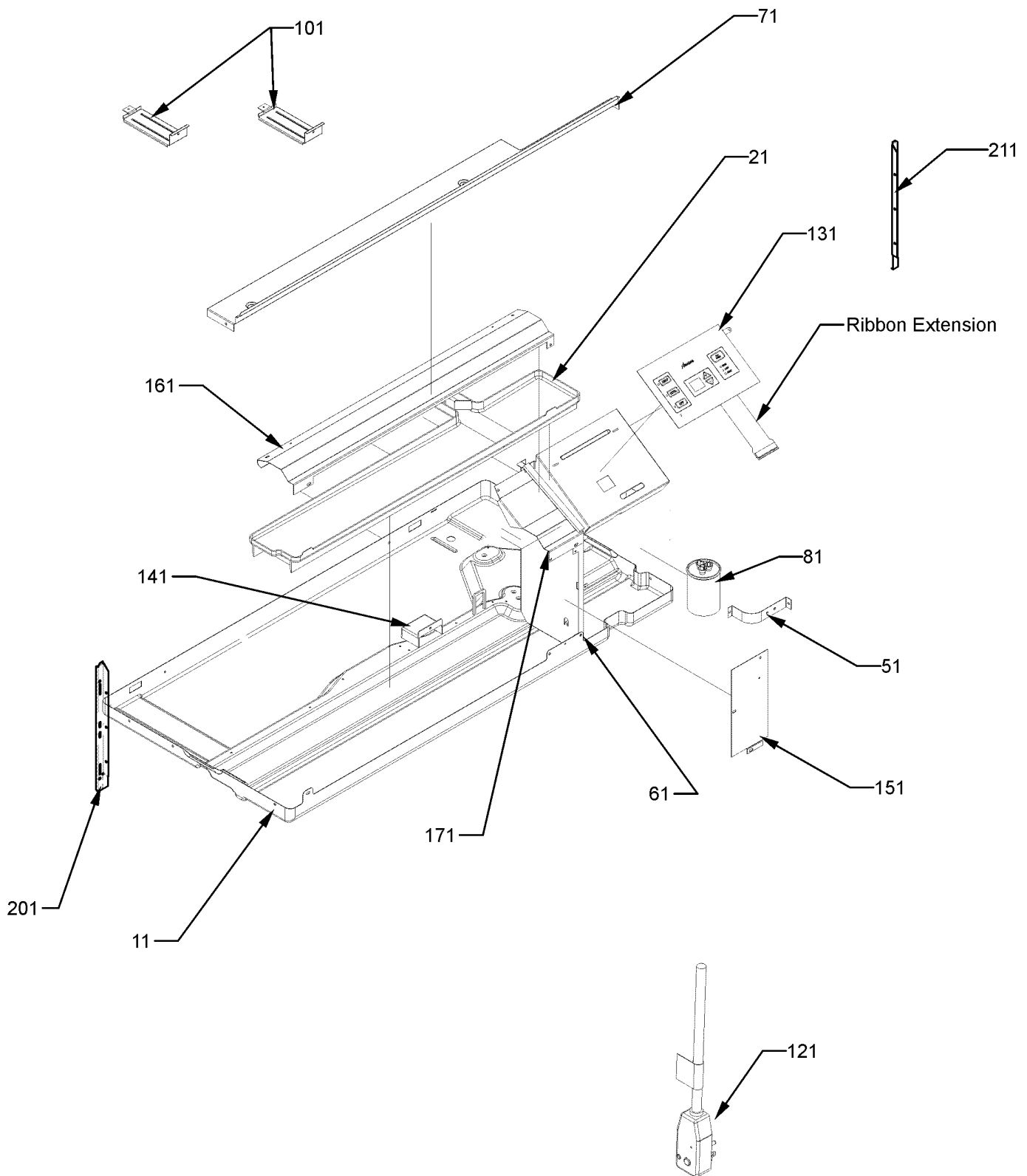
Chassis Control Panel

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00026		SHROUD, CONDENSER
21	0131P00032		FAN MOTOR, OUTDOOR
31	0121P00093		PANEL-PARTITION (M9, M10)
31	0121P00108DG		PANEL-PARTITION (M1, M2, M3, M4, M5, M6, M7, M8, M11, M12, M13, M14)
41	0161P00030		FAN, CONDENSER
51	0163P00019		CABLE (M1, M2, M3, M4, M5, M6, M7, M11, M12, M13)
61	0121P00079		BRACKET, VENT DOOR (M8, M14)
61	0121P00072DG		BRACKET, VENT DOOR-C (M1, M2, M3, M4, M5, M6, M7, M11, M12, M13)
71	11046105PDG		VENT DOOR (M1, M2, M3, M4, M5, M6, M7, M8, M11, M12, M13, M14)
81	11191703		PARTITION PANEL BRACKET (QTY 2)
91	11046302		LEVER ARM (M1, M2, M3, M4, M5, M6, M7, M11, M12, M13)
101	0130P00098		THERMISTOR - OUTDOOR AMBIENT (M4, M5, M9, M11)
191	0270P00997		POWER DOOR ASSY (M8)
NS	0121P00080		BRACKET, POWER VENT (M8, M14)
NS	11166401		EXTENSION SPRING (M8, M14)
NS	0121P00091		PANEL-AUXILLIARY (M9, M10)
NS	11166201		POWER VENT COVER BRACKET (M8, M14)
NS	11172801		POWER VENT MOTOR (M8, M14)
NS	11166101		POWER VENT MOTOR BRACKET (M8, M14)

Expanded Model Nomenclature

M1 - PTH124G15AXXXAA
M2 - PTH124G25AXXXAA
M3 - PTH124G25CXXXAA
M4 - PTH124G25NRXXXAA
M5 - PTH124G25RXXXAA
M6 - PTH124G35AXXXAA
M7 - PTH124G35CXXXAA
M8 - PTH124G35DXXXAA
M9 - PTH124G35QRXXXAA
M10 - PTH124G35QXXXAA
M11 - PTH124G35RXXXAA
M12 - PTH124G50AXXXAA
M13 - PTH124G50CXXXAA
M14 - PTH124G50VXXXAA

Partition Assy



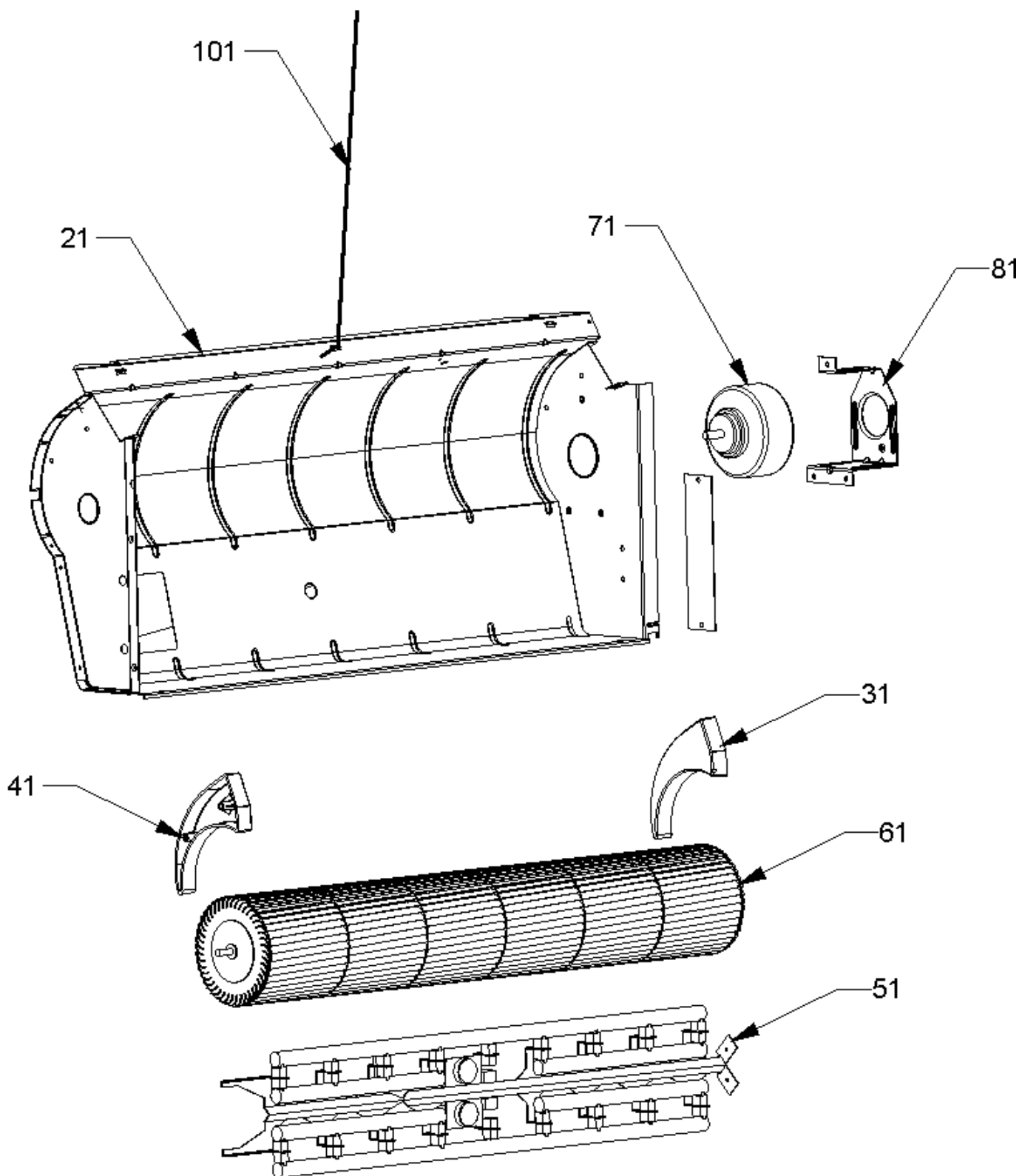
Partition Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00133BR		BASEPAN (M3, M7, M13)
11	0121P00133DG		BASEPAN (M1, M2, M4, M5, M6, M8, M9, M10, M11, M12, M14)
21	0161P00044		PLASTIC-DRAIN PAN
51	C6300502		CAPACITOR STRAP
71	0121P00063DG		TOP, PARTITION PANEL
81	CAP020300450CS		CAPACITOR 2/30/450V/DUAL RD
101	0121P00071DG		BRACE, TIE (QTY 2)
121	11114701		CORD 277 VAC, 20A (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11)
121	11114801		CORD 277 VAC, 30A (M12, M13, M14)
131	RSKP0005		CONTROL PANEL COVER AND MEMBRANE
141	0161P00016		PLASTIC-HOOD
151	20410801		ACCESS COVER
161	0121P00061		CUTOFF - SCROLL
171	0121P00070DG		COVER, MOTOR
201	20416101		SEAL-R SIDE PTC
211	20416201		SEAL-L SIDE PTC
NS	20403301		MID PARTITION PANEL

Expanded Model Nomenclature

M1 - PTH124G15AXXXAA
 M2 - PTH124G25AXXXAA
 M3 - PTH124G25CXXXAA
 M4 - PTH124G25NRXXAA
 M5 - PTH124G25RXXXAA
 M6 - PTH124G35AXXXAA
 M7 - PTH124G35CXXXAA
 M8 - PTH124G35DXXXAA
 M9 - PTH124G35QRXXAA
 M10 - PTH124G35QXXXAA
 M11 - PTH124G35RXXXAA
 M12 - PTH124G50AXXXAA
 M13 - PTH124G50CXXXAA
 M14 - PTH124G50VXXXAA

Indoor Assy



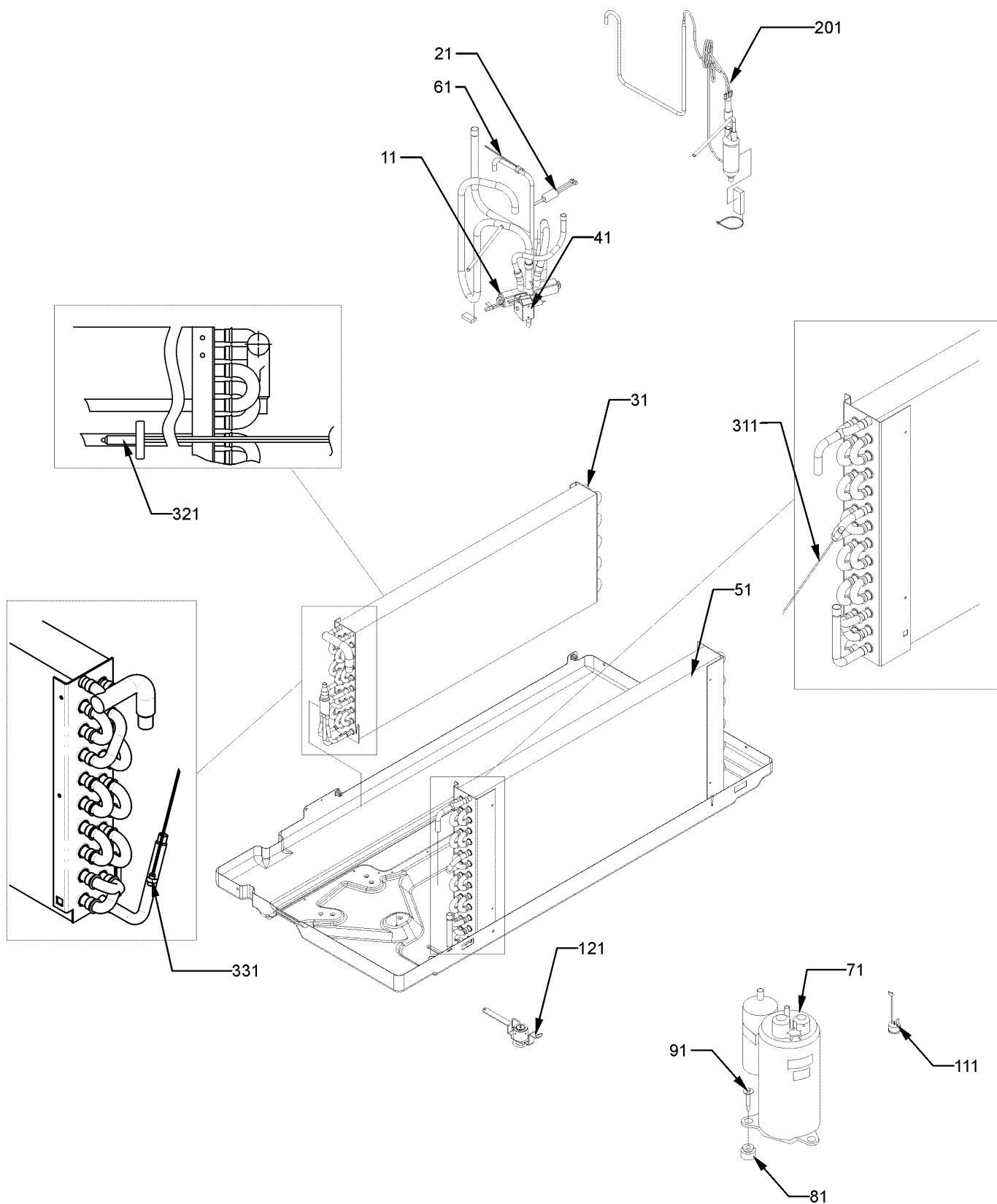
Indoor Assy

Ref. Part			Ref. Part		
No:	No:	Description:	No:	No:	Description:
Image 1:					
21	0270P01070	SCROLL ASSY			
31	0161P00021	END CAP, RIGHT			
41	0161P00022	END CAP, LEFT			
51	0275P00023	HEATER ASSY (M2, M3, M4, M5)			
51	0275P00026	HEATER ASSY (M1)			
51	0275P00040	HEATER ASSY (M6, M7, M8, M9, M10, M11)			
51	0275P00041	HEATER ASSY (M12, M13, M14)			
61	0150P00004	WHEEL, BLOWER			
71	0131P00029	FAN MOTOR, INDOOR			
81	0121P00048	BRACKET-MOTOR MOUNT			
101	0130P00075	THERMISTOR - DISCHARGE			
NS	0163P00027	BEARING			

Expanded Model Nomenclature

M1 - PTH124G15AXXXAA
M2 - PTH124G25AXXXAA
M3 - PTH124G25CXXXAA
M4 - PTH124G25NRXXXAA
M5 - PTH124G25RXXXAA
M6 - PTH124G35AXXXAA
M7 - PTH124G35CXXXAA
M8 - PTH124G35DXXXAA
M9 - PTH124G35QRXXXAA
M10 - PTH124G35QXXXAA
M11 - PTH124G35RXXXAA
M12 - PTH124G50AXXXAA
M13 - PTH124G50CXXXAA
M14 - PTH124G50VXXXAA

Tubing Assy



Tubing Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0151P00001		REVERSING VALVE ASSY-265V
21	0130M00132		CUT-OUT SWITCH, HIGH PRESSURE
31	0202P00065		EVAP ASSY, 5/16, 3 ROW
41	0130P00022		REVERSING VALVE COIL
51	0201P00079		CONDENSER ASSY (M1, M2, M4, M5, M6, M8, M9, M10, M11, M12, M14)
51	0201P00083		CONDENSER ASSY (M3, M7, M13)
51	0201P00083DG		CONDENSER ASSY (M3, M7, M13)
61	0130P00077		THERMISTOR - INDOOR (M4, M5, M9, M11)
71	44A287A		COMPRESSOR, RECHI
81	60130203		GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163M00079		SCREW, SHOULDER (QTY 3)
111	60343539		OVERLOAD PROTECTOR
121	20406303		BASE PAN VALVE
201	0210P00106		CAPILLARY TUBE WELD
311	0130P00093		THERMISTOR .375 CLIP, BLUE
321	0130P00074		THERMISTOR
331	0130P00086		THERMISTOR - INDOOR COIL
NS	60500101		OLP SPRING - RECHI COMPRESSOR
NS	BT1392310		PLASTIC CLAMP, .1875 DIA (M8, M14)
NS	60100314		TERMINAL COVER - RECHI COMP
NS	60100103		TERMINAL GASKET
NS	60100401		TERMINAL NUT - RECHI COMP
NS	60100201		WASHER - RECHI COMPRESSOR

Expanded Model Nomenclature

M1 - PTH124G15AXXXAA
M2 - PTH124G25AXXXAA
M3 - PTH124G25CXXXAA
M4 - PTH124G25NRXXAA
M5 - PTH124G25RXXXAA
M6 - PTH124G35AXXXAA
M7 - PTH124G35CXXXAA
M8 - PTH124G35DXXXAA
M9 - PTH124G35QRXXAA
M10 - PTH124G35QXXXAA
M11 - PTH124G35RXXXAA
M12 - PTH124G50AXXXAA
M13 - PTH124G50CXXXAA
M14 - PTH124G50VXXXAA