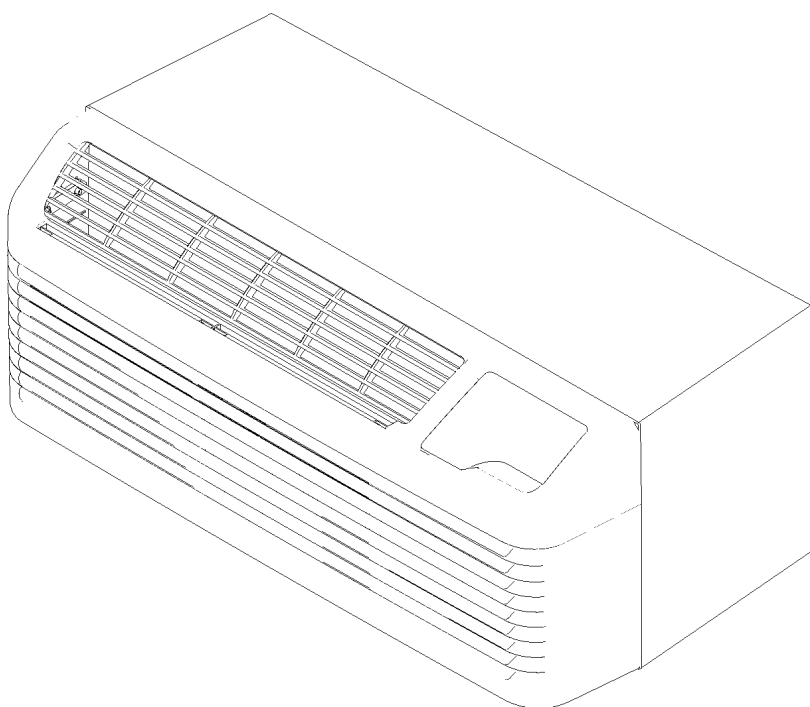


PTH153G Package Terminal Heat Pump

PTH153G25AXXXAA
PTH153G25CXXXAA
PTH153G25RXXXAA
PTH153G25VXXXAA
PTH153G35AXXXAA
PTH153G35CRXXXAA
PTH153G35CXXXAA
PTH153G35DXXXAA
PTH153G35PXXXAA
PTH153G35QRXXXAA
PTH153G35QXXXAA
PTH153G35RXXXAA
PTH153G35VXXXAA
PTH153G50AXXXAA
PTH153G50CXXXAA
PTH153G50DXXXAA
PTH153G50PXXXAA
PTH153G50QXXXAA
PTH153G50RVXXXAA
PTH153G50RXXXAA
PTH153G50VXXXAA



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This manual is to be used by qualified technicians only.

This manual replaces RP-737B.

Important Information

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Views shown are for parts illustrations only, not servicing 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 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

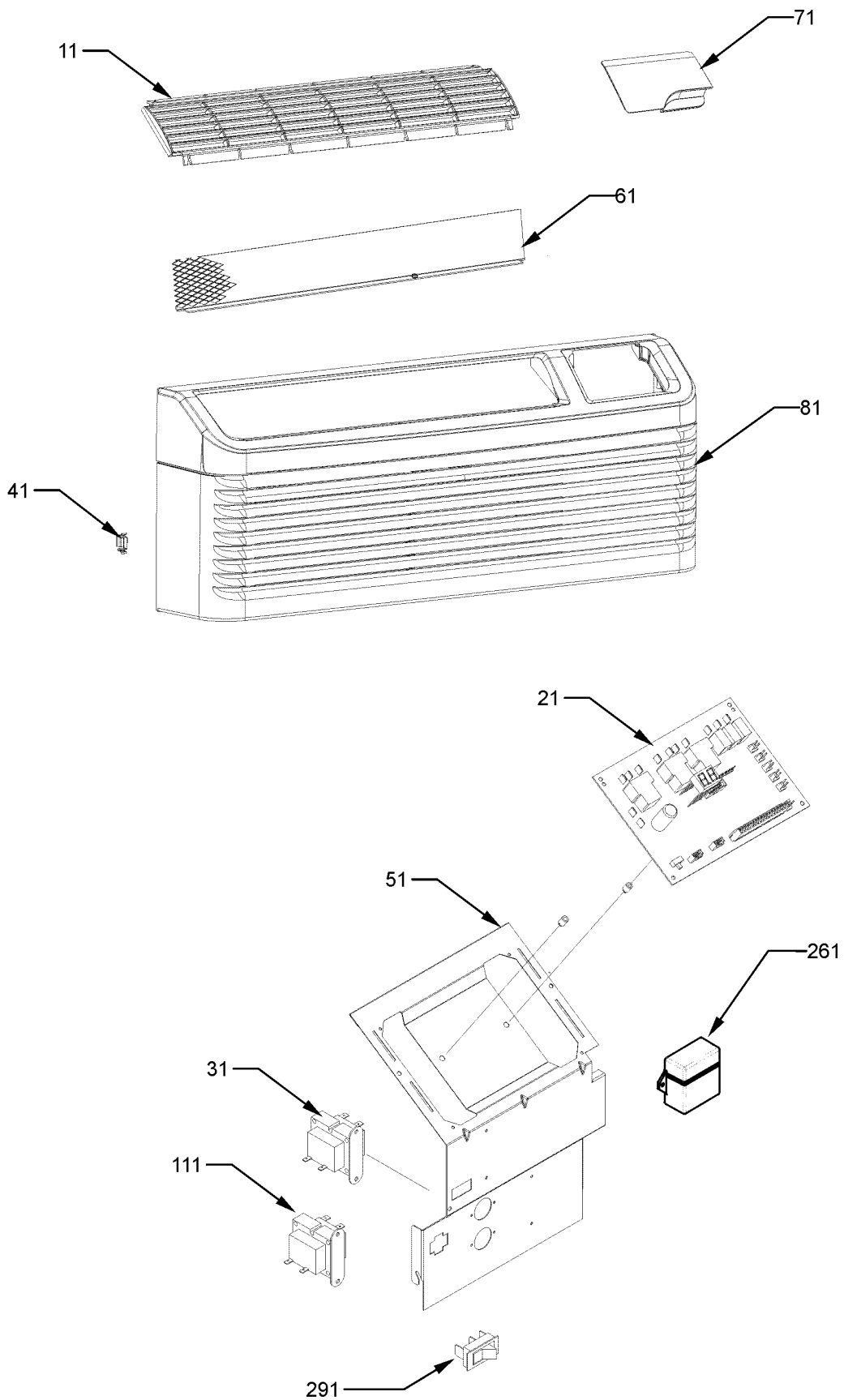
Functional Parts

Part

No: Description:

		Expanded Model Nomenclature
20406303	BASE PAN VALVE (M1, M2, M3, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14, M15, M16, M18, M19, M20, M21)	M1 - PTH153G25AXXXAA M2 - PTH153G25CXXXAA M3 - PTH153G25RXXXAA M4 - PTH153G25VXXXAA M5 - PTH153G35AXXXAA M6 - PTH153G35CRXXXAA M7 - PTH153G35CXXXAA M8 - PTH153G35DXXXAA M9 - PTH153G35PXXXAA M10 - PTH153G35QRXXXAA M11 - PTH153G35QXXXAA M12 - PTH153G35RXXXAA M13 - PTH153G35VXXXAA M14 - PTH153G50AXXXAA M15 - PTH153G50CXXXAA M16 - PTH153G50DXXXAA M17 - PTH153G50PXXXAA M18 - PTH153G50QXXXAA M19 - PTH153G50RVXXXAA M20 - PTH153G50RXXXAA M21 - PTH153G50VXXXAA
CAP050300450CS	CAP, 5/30 MFD/450V/DUAL RD	
CAP020000440RP	CAPACITOR	
50A362Q	COMPRESSOR, RECHI	
RSKP0010	CONTROL BOARD M61	
0130P00069	CORD, 250VAC, 15A (LCD) (M1, M2, M3, M4)	
0130P00058	CORD, 250VAC, 20A (LCD) (M5, M6, M7, M8, M9, M10, M11, M12, M13)	
0130P00062	CORD, 250VAC, 30A (LCD) (M14, M15, M16, M17, M18, M19, M20, M21)	
0131P00025	FAN MOTOR OUTDOOR	
0131P00036	FAN MOTOR, INDOOR	
0161P00030	FAN, CONDENSER	
0275P00020	HEATER ASSY (M5, M6, M7, M8, M9, M10, M11, M12, M13)	
0275P00021	HEATER ASSY (M14, M15, M16, M17, M18, M19, M20, M21)	
0275P00019	HEATER ASSY (M1, M2, M3, M4)	
0130M00132	HIGH PRESSURE SWITCH	
60343546	OVERLOAD PROTECTOR	
0130M00096	RELAY	
C8873917	RELAY (HYDRONIC) (M9, M17)	
C8873932	RELAY (POWER VENT) (M4, M8, M13, M16, M19, M21)	
0151P00000	REVERSING VALVE ASSY-230V	
0130P00022	REVERSING VALVE COIL	
0130P00077	THERMISTOR (M3, M6, M10, M12, M19, M20)	
0130P00074	THERMISTOR	
0130P00086	THERMISTOR, .312 CLIP, RED	
0130P00093	THERMISTOR, .375 CLIP, BLUE	
0130P00075	THERMISTOR-DISCHARGE	
0130P00098	THERMISTOR-OUTDOOR AMBIENT (M3, M6, M10, M12, M19, M20)	
0130M00149	Trans, .40VA, 240V/208V to 24V (M4, M8, M13, M16, M19, M21)	
0130M00150	Trans, .40VA, 240V/208V to 120V (M9, M17)	
0130M00152	TRANSFORMER	
0150P00004	WHEEL, BLOWER	

Front Assy



Front Assy

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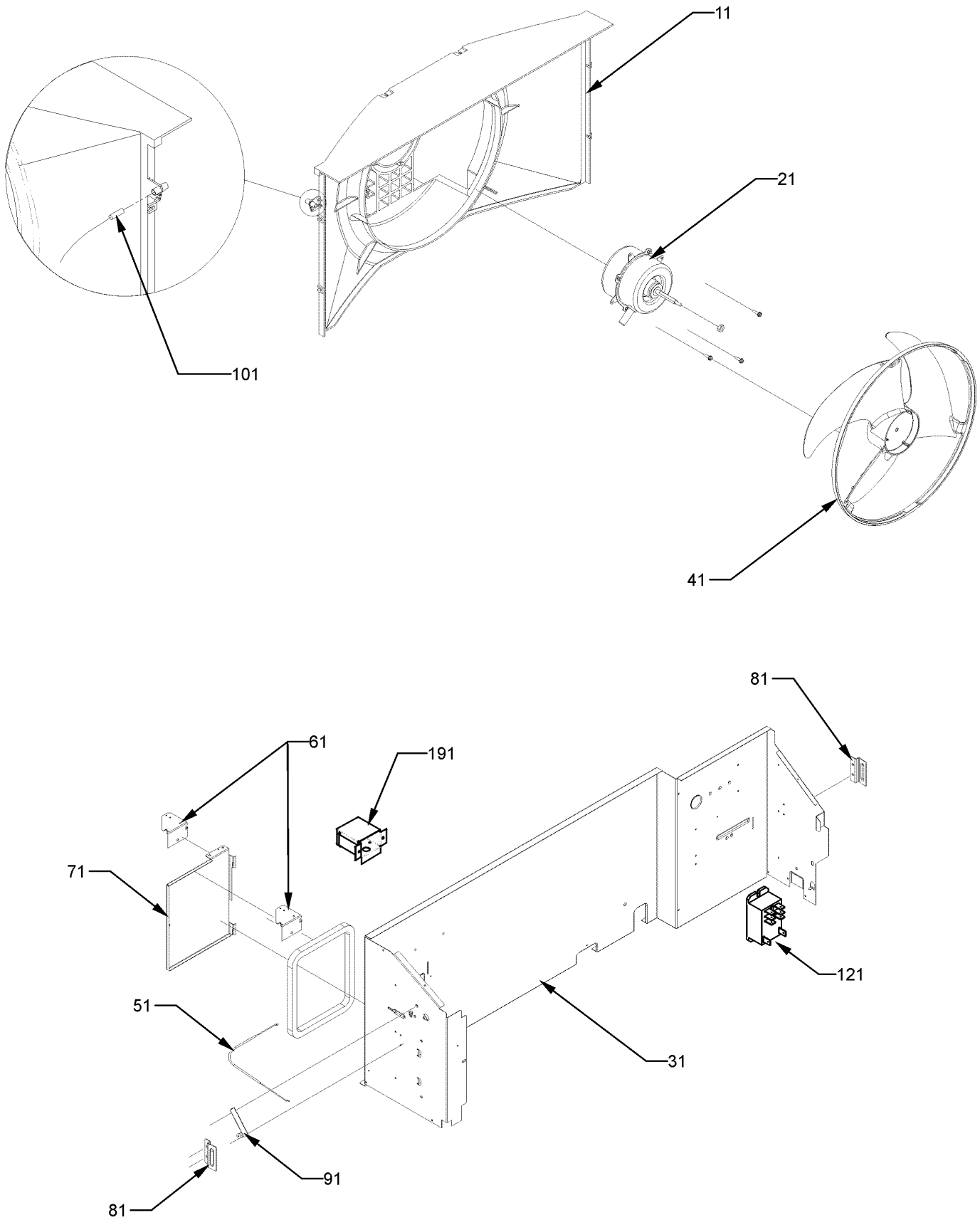
Image 1:

11	0161P00033	FRONT-DICHARGE LOUVERS
21	RSKP0010	CONTROL BOARD M61
31	0130M00152	TRANSFORMER
41	0163P00025	CLIP (QTY 2)
51	0121P00087	PANEL, CONTROL
61	0121P00073	SCREEN, DISCHARGE
71	0261P00003	DOOR ASSY -AMANA-
81	0261P00011	FRONT ASSY
111	0130M00149	Trans. ,40VA, 240V/208V to 24V (M4, M8, M13, M16, M19, M21)
111	0130M00150	Trans.,40VA, 240V/208V to 120V (M9, M17)
261	DT01G	ANTENNA (M3, M6, M10, M12, M19, M20)
291	B1337701	PADDLE SWITCH (M4, M8, M13, M16, M19, M21)
NS	0161P00035	FILTER, RACK (QTY 2)
NS	B1160701	TERMINAL BOARD (M4, M8, M13, M16, M19, M21)

Expanded Model Nomenclature

M1 - PTH153G25AXXXAA
 M2 - PTH153G25CXXXAA
 M3 - PTH153G25RXXXAA
 M4 - PTH153G25VXXXAA
 M5 - PTH153G35AXXXAA
 M6 - PTH153G35CRXXXAA
 M7 - PTH153G35CXXXAA
 M8 - PTH153G35DXXXAA
 M9 - PTH153G35PXXXAA
 M10 - PTH153G35QRXXXAA
 M11 - PTH153G35QXXXAA
 M12 - PTH153G35RXXXAA
 M13 - PTH153G35VXXXAA
 M14 - PTH153G50AXXXAA
 M15 - PTH153G50CXXXAA
 M16 - PTH153G50DXXXAA
 M17 - PTH153G50PXXXAA
 M18 - PTH153G50QXXXAA
 M19 - PTH153G50RVXXXAA
 M20 - PTH153G50RXXXAA
 M21 - PTH153G50VXXXAA

Chassis Control Panel



Chassis Control Panel

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

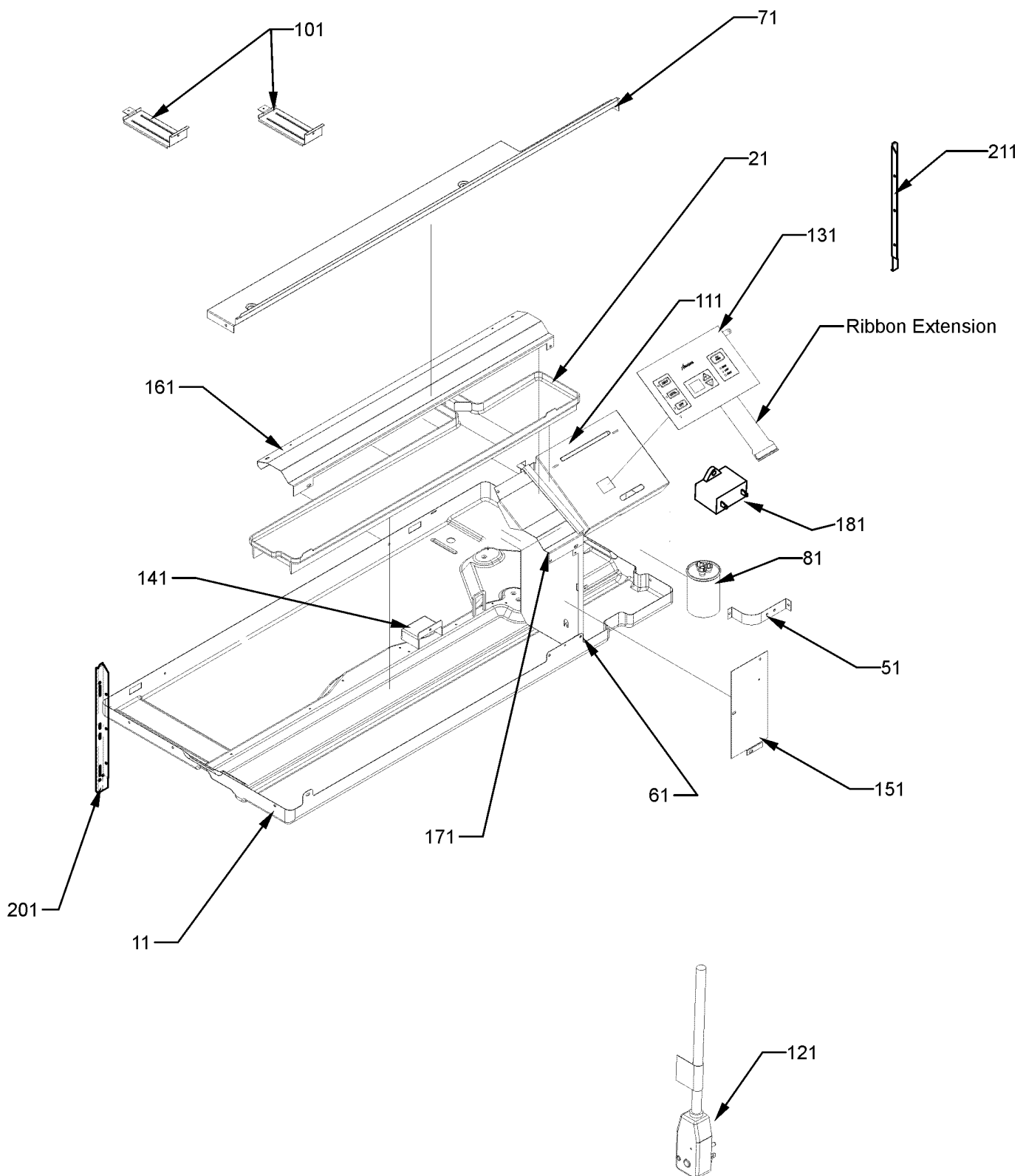
Image 1:

11	0161P00026	SHROUD, CONDENSER
21	0131P00025	FAN MOTOR OUTDOOR
31	0121P00093	PANEL-PARTITION (M10, M11, M18)
31	0121P00108DG	PANEL-PARTITION PNT
41	0161P00030	FAN, CONDENSER
51	0163P00019	CABLE
61	0121P00079	BRACKET, VENT DOOR (M4, M8, M13, M16, M19, M21)
61	0121P00072DG	BRACKET, VENT DOOR-C (M1, M2, M3, M5, M6, M7, M9, M12, M14, M15, M17, M20)
71	11046105PDG	VENT DOOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M12, M13, M14, M15, M16, M17, M19, M20, M21)
81	11191703	PARTITION PANEL BRACKET (QTY 2)
91	11046302	LEVER ARM (M1, M2, M3, M5, M6, M7, M9, M12, M14, M15, M17, M20)
101	0130P00098	THERMISTOR-OUTDOOR AMBIENT (M3, M6, M10, M12, M19, M20)
121	0130M00096	RELAY
121	C8873917	RELAY (HYDRONIC) (M9, M17)
121	C8873932	RELAY (POWER VENT) (M4, M8, M13, M16, M19, M21)
191	0270P00997	POWER DOOR ASSY (M8, M16)
NS	0121P00080	BRKT, POWER VENT (M4, M8, M13, M16, M19, M21)
NS	11166401	EXTENSION SPRING (M4, M8, M13, M16, M19, M21)
NS	0121P00091	PANEL-AUXILLIARY (M10, M11, M18)
NS	11166201	POWER VENT COVER BRACKET (M4, M8, M13, M16, M19, M21)
NS	11172801	POWER VENT MOTOR (M4, M8, M13, M16, M19, M21)
NS	11166101	POWER VENT MOTOR BRACKET (M4, M8, M13, M16, M19, M21)

Expanded Model Nomenclature

M1 - PTH153G25AXXXAA
M2 - PTH153G25CXXXAA
M3 - PTH153G25RXXXAA
M4 - PTH153G25VXXXAA
M5 - PTH153G35AXXXAA
M6 - PTH153G35CRXXXAA
M7 - PTH153G35CXXXAA
M8 - PTH153G35DXXXAA
M9 - PTH153G35PXXXAA
M10 - PTH153G35QRXXXAA
M11 - PTH153G35QXXXAA
M12 - PTH153G35RXXXAA
M13 - PTH153G35VXXXAA
M14 - PTH153G50AXXXAA
M15 - PTH153G50CXXXAA
M16 - PTH153G50DXXXAA
M17 - PTH153G50PXXXAA
M18 - PTH153G50QXXXAA
M19 - PTH153G50RVXXXAA
M20 - PTH153G50RXXXAA
M21 - PTH153G50VXXXAA

Partition Assy



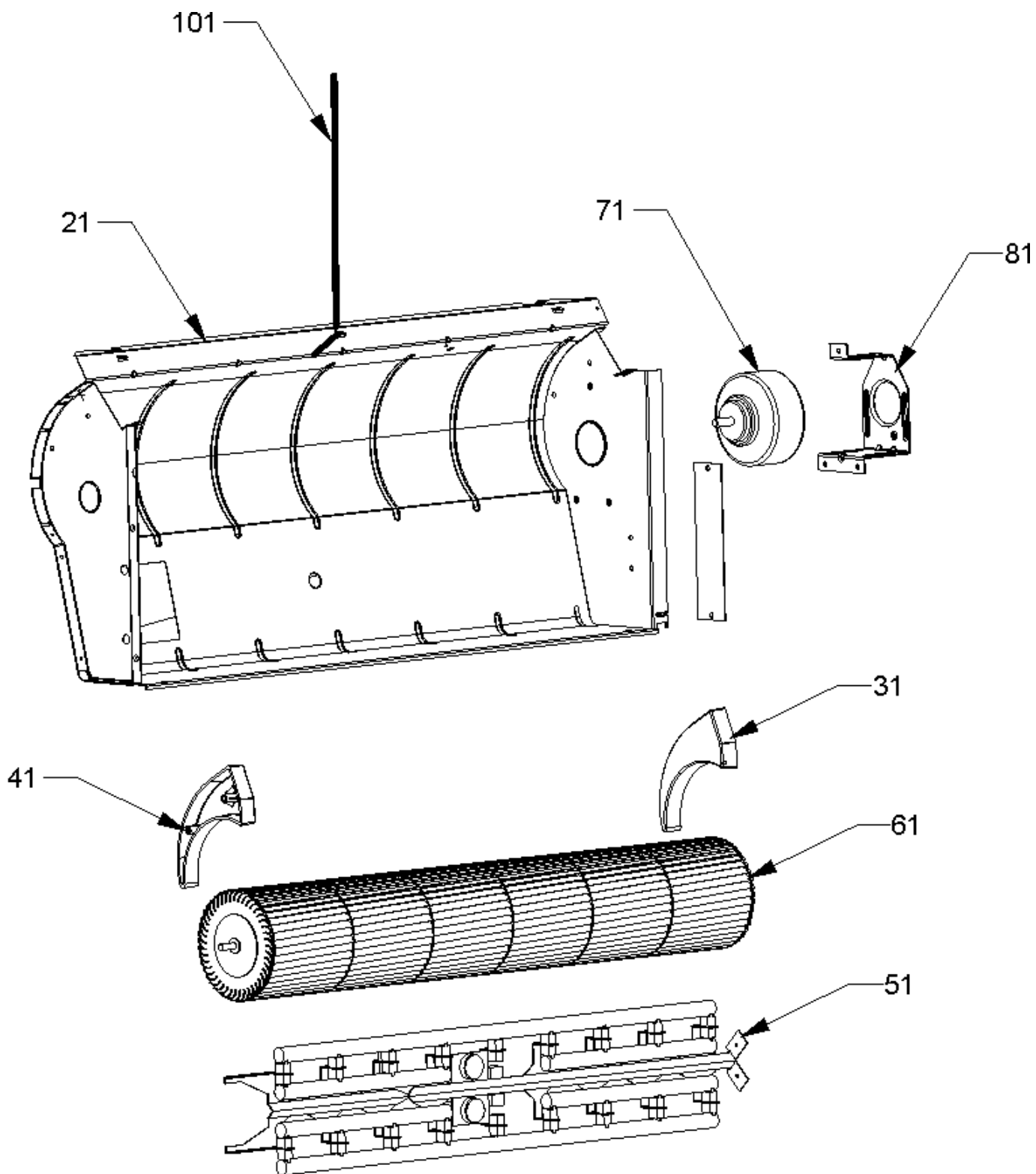
Partition Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00056BR		BASEPAN, PNT (M2, M6, M7, M15)
11	0121P00056DG		BASEPAN, PNT (M1, M3, M4, M5, M8, M9, M10, M11, M12, M13, M14, M16, M17, M18, M19, M20, M21)
21	0161P00044		PLASTIC-DRAIN PAN
51	C6300502		CAPACITOR STRAP
61	20403301		MID PARTITION PANEL
71	0121P00063DG		TOP - PARTITION PANEL
81	CAP020000440RP		CAPACITOR
101	0121P00071DG		BRACE, TIE PNT (QTY 2)
111	0121P00001P		CONTROL PANEL COVER
121	0130P00069		CORD, 250VAC, 15A (LCD) (M1, M2, M3, M4)
121	0130P00058		CORD, 250VAC, 20A (LCD) (M5, M6, M7, M8, M9, M10, M11, M12, M13)
121	0130P00062		CORD, 250VAC, 30A (LCD) (M14, M15, M16, M17, M18, M19, M20, M21)
131	RSKP0005		CONTROL PANEL COVER AND MEMBRANE
141	0161P00016		PLASTIC-HOOD
151	20410801		ACCESS COVER
161	0121P00061DG		CUTOFF-SCROLL DG
161	0121P00061DG		CUTOFF-SCROLL DG
171	0121P00070DG		COVER, MOTOR PNT
181	CAP050300450CS		CAP, 5/30 MFD/450V/DUAL RD
201	20416101		SEAL-R SIDE PTC
211	20416201		SEAL-L SIDE PTC
NS	20403301		MID PARTITION PANEL

Expanded Model Nomenclature

M1 - PTH153G25AXXXAA
 M2 - PTH153G25CXXXAA
 M3 - PTH153G25RXXXAA
 M4 - PTH153G25VXXXAA
 M5 - PTH153G35AXXXAA
 M6 - PTH153G35CRXXXAA
 M7 - PTH153G35CXXXAA
 M8 - PTH153G35DXXXAA
 M9 - PTH153G35PXXXAA
 M10 - PTH153G35QRXXXAA
 M11 - PTH153G35QXXXAA
 M12 - PTH153G35RXXXAA
 M13 - PTH153G35VXXXAA
 M14 - PTH153G50AXXXAA
 M15 - PTH153G50CXXXAA
 M16 - PTH153G50DXXXAA
 M17 - PTH153G50PXXXAA
 M18 - PTH153G50QXXXAA
 M19 - PTH153G50RVXXXAA
 M20 - PTH153G50RXXXAA
 M21 - PTH153G50VXXXAA

Indoor Assy



Indoor Assy

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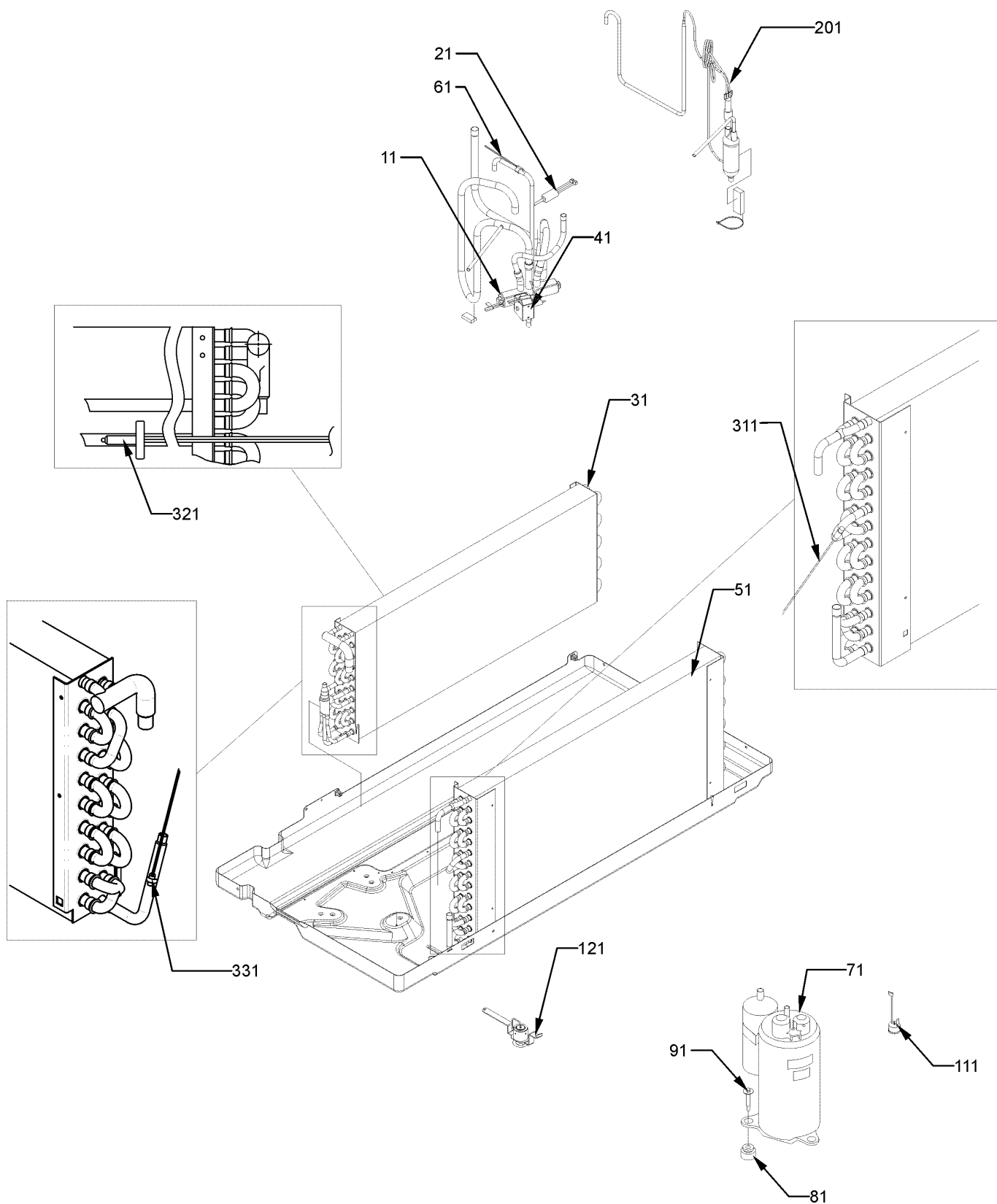
Image 1:

21	0270P01070	SCROLL ASSY
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M1, M2, M3, M4)
51	0275P00020	HEATER ASSY (M5, M6, M7, M8, M9, M10, M11, M12, M13)
51	0275P00021	HEATER ASSY (M14, M15, M16, M17, M18, M19, M20, M21)
61	0150P00004	WHEEL, BLOWER
71	0131P00036	FAN MOTOR, INDOOR
81	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00075	THERMISTOR-DISCHARGE
NS	0163P00027	BEARING

Expanded Model Nomenclature

M1 - PTH153G25AXXXAA
 M2 - PTH153G25CXXXAA
 M3 - PTH153G25RXXXAA
 M4 - PTH153G25VXXXAA
 M5 - PTH153G35AXXXAA
 M6 - PTH153G35CRXXXAA
 M7 - PTH153G35CXXXAA
 M8 - PTH153G35DXXXAA
 M9 - PTH153G35PXXXAA
 M10 - PTH153G35QRXXXAA
 M11 - PTH153G35QXXXAA
 M12 - PTH153G35RXXXAA
 M13 - PTH153G35VXXXAA
 M14 - PTH153G50AXXXAA
 M15 - PTH153G50CXXXAA
 M16 - PTH153G50DXXXAA
 M17 - PTH153G50PXXXAA
 M18 - PTH153G50QXXXAA
 M19 - PTH153G50RVXXXAA
 M20 - PTH153G50RXXXAA
 M21 - PTH153G50VXXXAA

Tubing Assy



Tubing Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0151P00000		REVERSING VALVE ASSY-230V
21	0130M00132		HIGH PRESSURE SWITCH
31	0202P00065		EVAP ASSY, 5/16, 3 ROW
41	0130P00022		REVERSING VALVE COIL
51	0201P00079		CONDENSER ASSY (M1, M3, M4, M5, M8, M9, M10, M11, M12, M13, M14, M16, M17, M18, M19, M20, M21)
51	0201P00083DG		CONDENSER ASSY PNT (M2, M6, M7, M15)
61	0130P00077		THERMISTOR (M3, M6, M10, M12, M19, M20)
71	50A362Q		COMPRESSOR, RECHI
81	60140209		GROMMET - RECHI COMPRESSOR (QTY 3)
91	M0253610		SHOULDER SCREW (QTY 3)
111	60343546		OVERLOAD PROTECTOR
121	20406303		BASE PAN VALVE (M1, M2, M3, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14, M15, M16, M18, M19, M20, M21)
201	0210P00152		CAPILLARY WELDMENT
311	0130P00093		THERMISTOR, .375 CLIP, BLUE
321	0130P00074		THERMISTOR
331	0130P00086		THERMISTOR, .312 CLIP, RED
NS	60500101		OLP SPRING - RECHI COMPRESSOR
NS	BT1392310		PLASTIC CLAMP, .1875 DIA (M4, M8, M13, M16, M19, M21)
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 - PTH153G25AXXXAA
 M2 - PTH153G25CXXXAA
 M3 - PTH153G25RXXXAA
 M4 - PTH153G25VXXXAA
 M5 - PTH153G35AXXXAA
 M6 - PTH153G35CRXXXAA
 M7 - PTH153G35CXXXAA
 M8 - PTH153G35DXXXAA
 M9 - PTH153G35PXXXAA
 M10 - PTH153G35QRXXXAA
 M11 - PTH153G35QXXXAA
 M12 - PTH153G35RXXXAA
 M13 - PTH153G35VXXXAA
 M14 - PTH153G50AXXXAA
 M15 - PTH153G50CXXXAA
 M16 - PTH153G50DXXXAA
 M17 - PTH153G50PXXXAA
 M18 - PTH153G50QXXXAA
 M19 - PTH153G50RVXXXAA
 M20 - PTH153G50RXXXAA
 M21 - PTH153G50VXXXAA