

PTH124G Package Terminal Heat Pump

PTH124G15AXXXCA
PTH124G15QXXXCA
PTH124G25AXXXCA
PTH124G25CXXXCA
PTH124G25NRXXCA
PTH124G25QRXXCA
PTH124G25QXXXCA
PTH124G25RXXXCA
PTH124G35AXXXCA
PTH124G35CQXXCA
PTH124G35CXXXCA
PTH124G35DXXXCA
PTH124G35QRXXCA
PTH124G35QXXXCA
PTH124G35RXXXCA
PTH124G35VXXXCA
PTH124G50AXXXCA
PTH124G50CXXXCA
PTH124G50RXXXCA
PTH124G50VXXXCA



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This manual is to be used by qualified technicians only.

This manual replaces RP-A5005H.

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:

Homeowner Support

Goodman Company, L.P.

19001 Kermier Road

Waller, Texas 77484

877-254-4729-Telephone

713-863-2382-Facsimile

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

International Division

Goodman Company, L.P.

19001 Kermier Road

Waller, Texas 77484

713-861-2500-Telephone

713-863-2382-Facsimile

Functional Parts

Part

No:

Description:

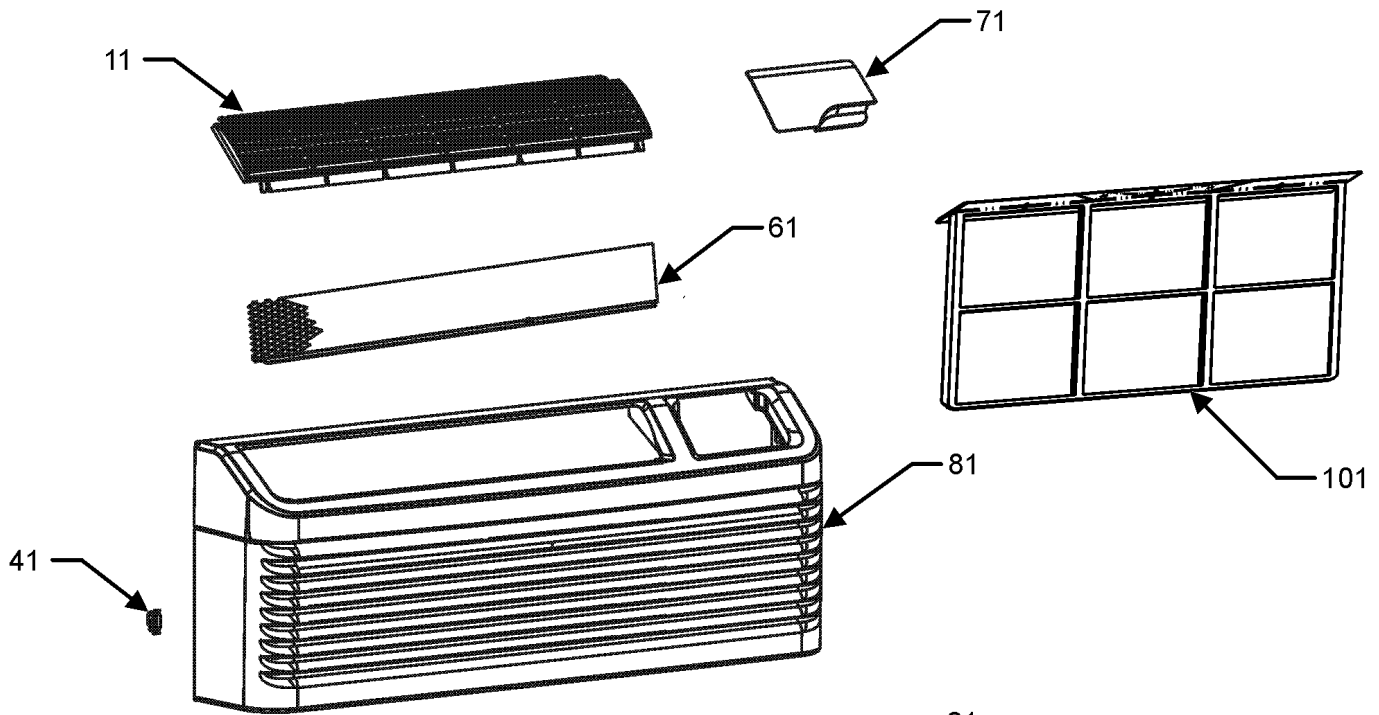
Expanded Model Nomenclature

20406303	BASE PAN VALVE
CAP010000500RP	CAPACITOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16)
CAP015000500RP	CAPACITOR (M17, M18, M19, M20)
CAP020300450CS	CAPACITOR 2/30/450V/DUAL RD
44A287AK&JEKD	COMPRESSOR, RECHI
RSKP0012	CONTROL BOARD M70
RSKP0015	CONTROL PANEL COVER AND MEMBRANE
0130P00128	CORD, 277V, 20A (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16)
0130P00129	CORD, 277V, 30A (M17, M18, M19, M20)
0131P00038	FAN MOTOR, INDOOR (M17, M18, M19, M20)
0131P00037	FAN MOTOR, INDOOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16)
0131P00032	FAN MOTOR, OUTDOOR
0161P00055	FAN, CONDENSER
A3410402	FUSE 15A (M1, M2, M3, M4, M5, M6, M7, M8)
A3410403	FUSE 20A (M9, M10, M11, M12, M13, M14, M15, M16)
A3410404	FUSE 25A (M17, M18, M19, M20)
0275P00041	HEATER ASSY (M17, M18, M19, M20)
0275P00040	HEATER ASSY (M9, M10, M11, M12, M13, M14, M15, M16)
0275P00026	HEATER ASSY (M1, M2)
0275P00023	HEATER ASSY (M3, M4, M5, M6, M7, M8)
0130P00133	HUMIDITY SENSOR (M12, M16, M20)
60343539	OVERLOAD PROTECTOR
PCBCP147	PCB, CONTROL, D70 (M12, M16, M20)
0130P00137	POWER VENT MOTOR (M12, M16, M20)
0151P00005	PTAC REVERSING VALVE ASSY
0130P00022	REVERSING VALVE COIL
0130M00169	SWITCH, HIGH PRESS
802007090	TERMINAL BOARD
0130P00142	THERMISTOR
0130P00144	THERMISTOR
0130P00130	THERMISTOR
0130P00134	THERMISTOR - DISCHARGE
0130P00077	THERMISTOR - INDOOR (M5, M6, M8, M13, M15, M19)
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M5, M6, M8, M13, M15, M19)
0130M00342	TRANSFORMER 20VA 265V
0130M00151	TRANSFORMER 277V to 24V, 40VA (M12, M16, M20)
0150P00004	WHEEL, BLOWER

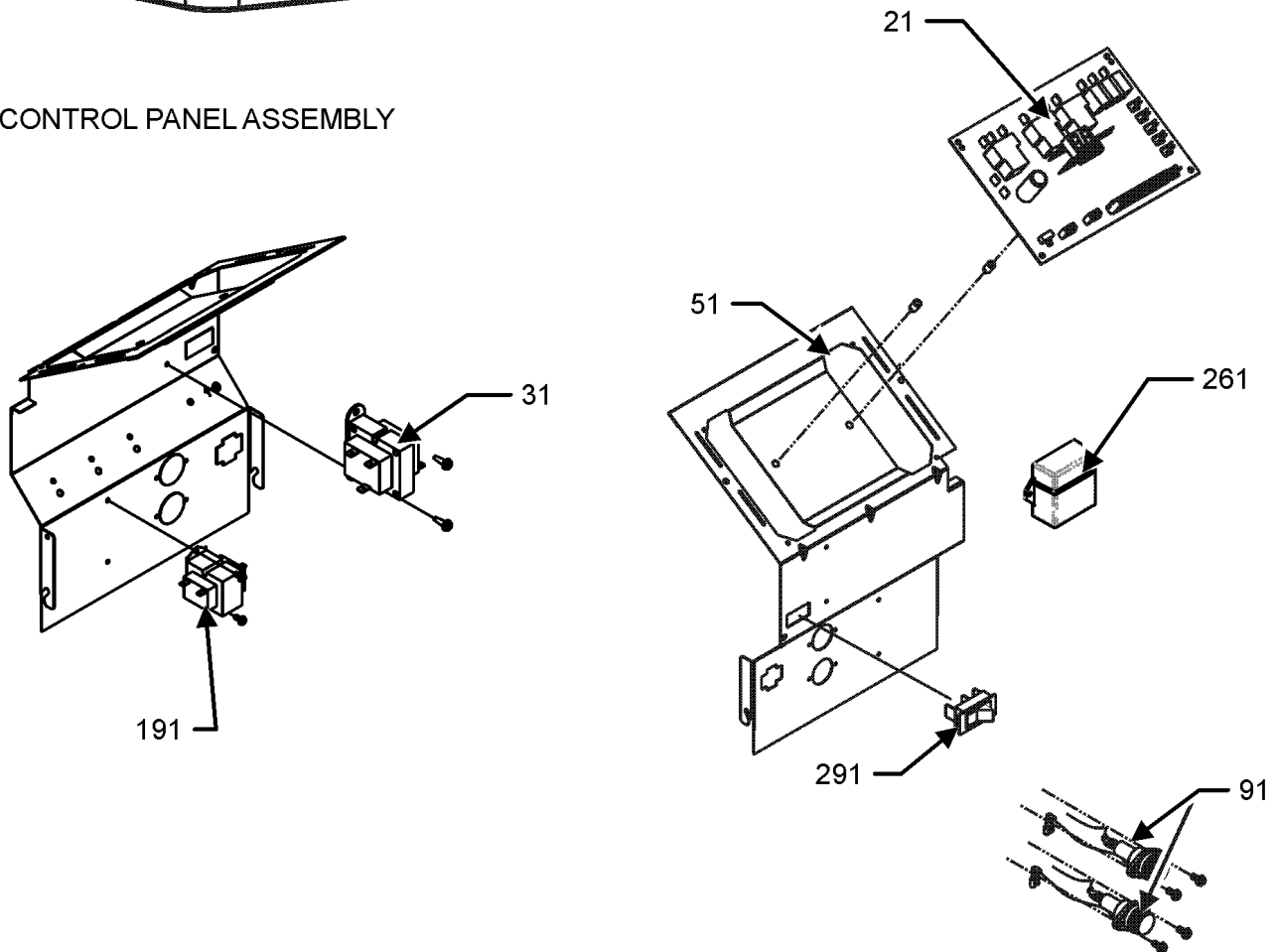
M1 - PTH124G15AXXXCA
M2 - PTH124G15QXXXCA
M3 - PTH124G25AXXXCA
M4 - PTH124G25CXXXCA
M5 - PTH124G25NRXXCA
M6 - PTH124G25QRXXCA
M7 - PTH124G25QXXXCA
M8 - PTH124G25RXXXCA
M9 - PTH124G35AXXXCA
M10 - PTH124G35CQXXCA
M11 - PTH124G35CXXXCA
M12 - PTH124G35DXXXCA
M13 - PTH124G35QRXXCA
M14 - PTH124G35QXXXCA
M15 - PTH124G35RXXXCA
M16 - PTH124G35VXXXCA
M17 - PTH124G50AXXXCA
M18 - PTH124G50CXXXCA
M19 - PTH124G50RXXXCA
M20 - PTH124G50VXXXCA

Front Panel / Control Panel Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY



Front Panel / Control Panel Assembly

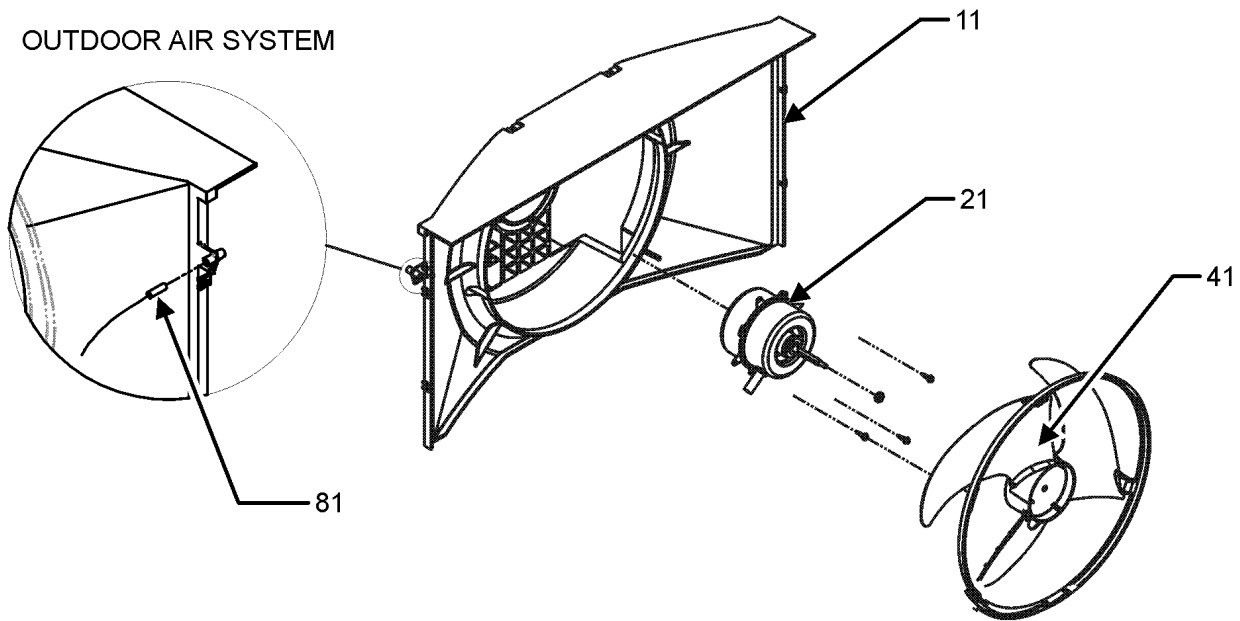
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00048		FRONT, LOUVERS DISCHARGE
21	RSKP0012		CONTROL BOARD M70
31	0130M00342		TRANSFORMER 20VA 265V
41	0163P00025		CLIP (QTY 2)
51	0121P00130		PANEL, CONTROL
61	0121P00194BL		SCREEN, DISCHARGE, PAINTED
71	0261P00003		DOOR ASSY -AMANA- (M1, M2, M3, M4, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)
81	0261P00011		FRONT ASSY
91	C6476001		BAYONET FUSE HOLDER (M1, M2, M3, M4, M5, M6, M7, M8)
91	C6476002		BAYONET FUSE HOLDER (M9, M10, M11, M12, M13, M14, M15, M16)
91	C6476003		BAYONET FUSE HOLDER (M17, M18, M19, M20)
101	0161P00035		FILTER, RACK (QTY 2)
191	0130M00151		TRANSFORMER 277V to 24V, 40VA (M12, M16, M20)
261	0130P00104		ANTENNA (DIGITENNA) (M5, M6, M8, M13, M15, M19)
291	B1337701		PADDLE SWITCH (M12, M16, M20)
NS	A3410402		FUSE 15A (M1, M2, M3, M4, M5, M6, M7, M8)
NS	A3410403		FUSE 20A (M9, M10, M11, M12, M13, M14, M15, M16)
NS	A3410404		FUSE 25A (M17, M18, M19, M20)
NS	PCBCP147		PCB, CONTROL, D70 (M12, M16, M20)

Expanded Model Nomenclature

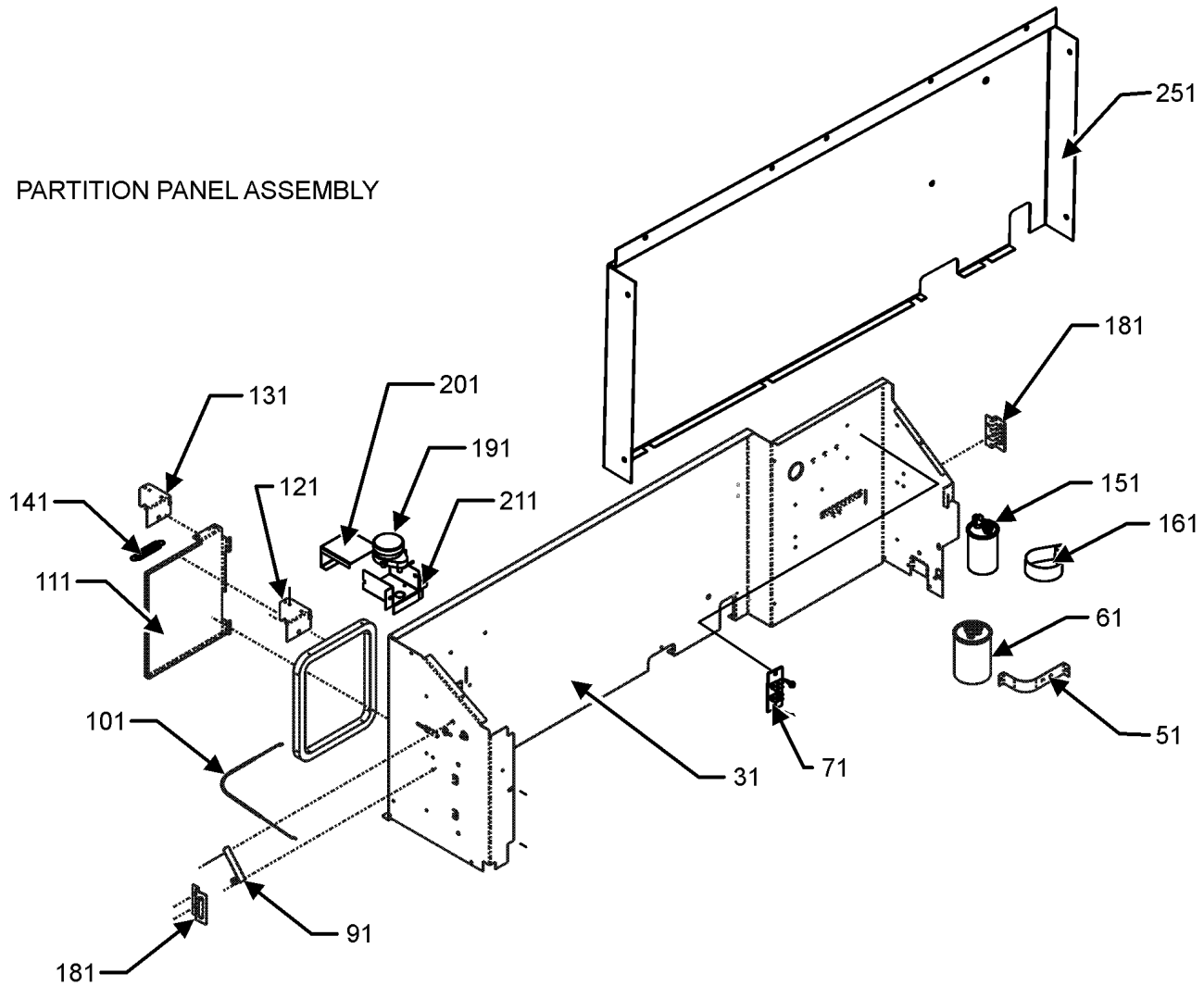
M1 - PTH124G15AXXXCA
 M2 - PTH124G15QXXXCA
 M3 - PTH124G25AXXXCA
 M4 - PTH124G25CXXXCA
 M5 - PTH124G25NRXXCA
 M6 - PTH124G25QRXXCA
 M7 - PTH124G25QXXXCA
 M8 - PTH124G25RXXXCA
 M9 - PTH124G35AXXXCA
 M10 - PTH124G35CQXXCA
 M11 - PTH124G35CXXXCA
 M12 - PTH124G35DXXXCA
 M13 - PTH124G35QRXXCA
 M14 - PTH124G35QXXXCA
 M15 - PTH124G35RXXXCA
 M16 - PTH124G35VXXXCA
 M17 - PTH124G50AXXXCA
 M18 - PTH124G50CXXXCA
 M19 - PTH124G50RXXXCA
 M20 - PTH124G50VXXXCA

Outdoor Air System / Partition Panel

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY



Outdoor Air System / Partition Panel

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

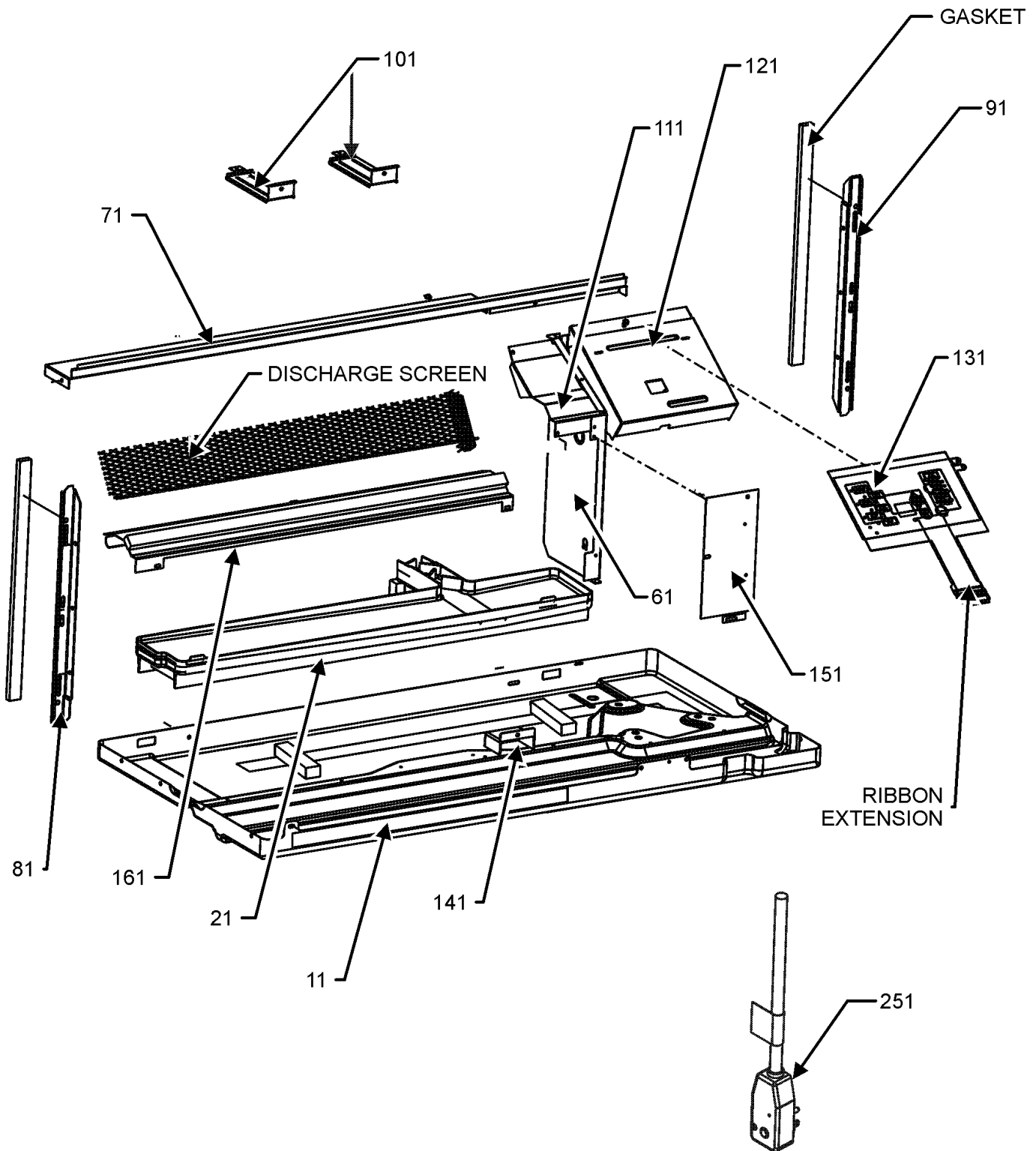
11	0161P00053	SHROUD, CONDENSER
21	0131P00032	FAN MOTOR, OUTDOOR
31	0121P00093NG	PANEL-PARTITION (M2, M6, M7, M10, M13, M14)
31	0121P00108NG	PANEL-PARTITION (M1, M3, M4, M5, M8, M9, M11, M12, M15, M16, M17, M18, M19, M20)
41	0161P00055	FAN, CONDENSER
51	C6300502	CAPACITOR STRAP
61	CAP020300450CS	CAPACITOR 2/30/450V/DUAL RD
71	802007090	TERMINAL BOARD
81	0130P00098	THERMISTOR - OUTDOOR AMBIENT (M5, M6, M8, M13, M15, M19)
91	11046302	LEVER ARM (M1, M3, M4, M5, M8, M9, M11, M15, M17, M18, M19)
101	0163P00019	CABLE (M1, M3, M4, M5, M8, M9, M11, M15, M17, M18, M19)
111	0121P00177NG	DOOR-VENT PTC (M1, M3, M4, M5, M8, M9, M11, M12, M15, M16, M17, M18, M19, M20)
121	0121P00079	BRACKET, VENT DOOR (M12, M16, M20)
131	0121P00072NG	BRACKET, VENT DOOR-C (M1, M3, M4, M5, M8, M9, M11, M15, M17, M18, M19)
131	0121P00180	BRKT, POWER VENT (M12, M16, M20)
141	11166401	EXTENSION SPRING (M12, M16, M20)
151	CAP010000500RP	CAPACITOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16)
151	CAP015000500RP	CAPACITOR (M17, M18, M19, M20)
161	0163P00029	CAPACITOR CLAMP
181	11191703	PARTITION PANEL BRACKET (QTY 2)
191	0130P00137	POWER VENT MOTOR (M12, M16, M20)
201	11166201	POWER VENT COVER BRACKET (M12, M16, M20)
211	11166101	POWER VENT MOTOR BRACKET (M12, M16, M20)
251	0121P00091NG	PANEL-AUXILLIARY (M2, M6, M7, M10, M13, M14)
NS	0130P00133	HUMIDITY SENSOR (M12, M16, M20)

Expanded Model Nomenclature

M1 - PTH124G15AXXXCA
M2 - PTH124G15QXXXCA
M3 - PTH124G25AXXXCA
M4 - PTH124G25CXXXCA
M5 - PTH124G25NRXXCA
M6 - PTH124G25QRXXCA
M7 - PTH124G25QXXXCA
M8 - PTH124G25RXXXCA
M9 - PTH124G35AXXXCA
M10 - PTH124G35CQXXCA
M11 - PTH124G35CXXXCA
M12 - PTH124G35DXXXCA
M13 - PTH124G35QRXXCA
M14 - PTH124G35QXXXCA
M15 - PTH124G35RXXXCA
M16 - PTH124G35VXXXCA
M17 - PTH124G50AXXXCA
M18 - PTH124G50CXXXCA
M19 - PTH124G50RXXXCA
M20 - PTH124G50VXXXCA

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

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

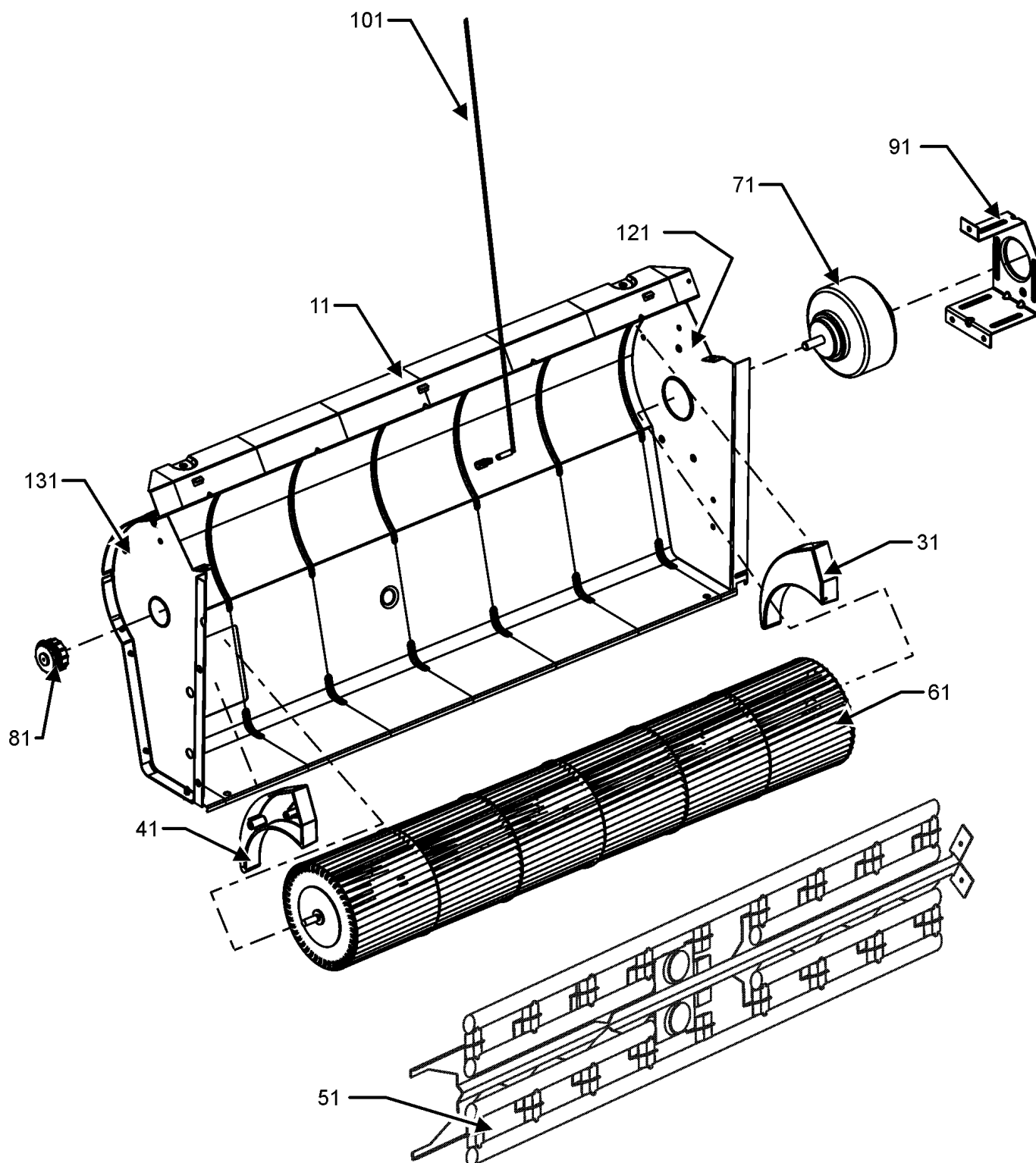
11	0121P00175DG	BASEPAN (M1, M2, M3, M5, M6, M7, M8, M9, M12, M13, M14, M15, M16, M17, M19, M20)
11	0121P00175NG	BASEPAN (M4, M10, M11, M18)
21	0161P00044	PLASTIC-DRAIN PAN
61	20403301	MID PARTITION PANEL
71	0121P00063NG	TOP, PARTITION PANEL PNT
81	0121P00197	SEAL-L SIDE PTC
91	0121P00198	SEAL-R SIDE PTC
101	0121P00071NG	BRACE, TIE (M4, M10, M11, M18)
111	0121P00070DG	COVER, MOTOR
121	0121P00129	COVER-CONTROL PANEL
131	RSKP0015	CONTROL PANEL COVER AND MEMBRANE
141	0161P00016	PLASTIC-HOOD (M1, M3, M4, M5, M8, M9, M11, M12, M15, M16, M17, M18, M19, M20)
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
251	0130P00128	CORD, 277V, 20A (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16)
251	0130P00129	CORD, 277V, 30A (M17, M18, M19, M20)
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTH124G15AXXXCA
 M2 - PTH124G15QXXXCA
 M3 - PTH124G25AXXXCA
 M4 - PTH124G25CXXXCA
 M5 - PTH124G25NRXXCA
 M6 - PTH124G25QRXXCA
 M7 - PTH124G25QXXXCA
 M8 - PTH124G25RXXXCA
 M9 - PTH124G35AXXXCA
 M10 - PTH124G35CQXXCA
 M11 - PTH124G35CXXXCA
 M12 - PTH124G35DXXXCA
 M13 - PTH124G35QRXXCA
 M14 - PTH124G35QXXXCA
 M15 - PTH124G35RXXXCA
 M16 - PTH124G35VXXXCA
 M17 - PTH124G50AXXXCA
 M18 - PTH124G50CXXXCA
 M19 - PTH124G50RXXXCA
 M20 - PTH124G50VXXXCA

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

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

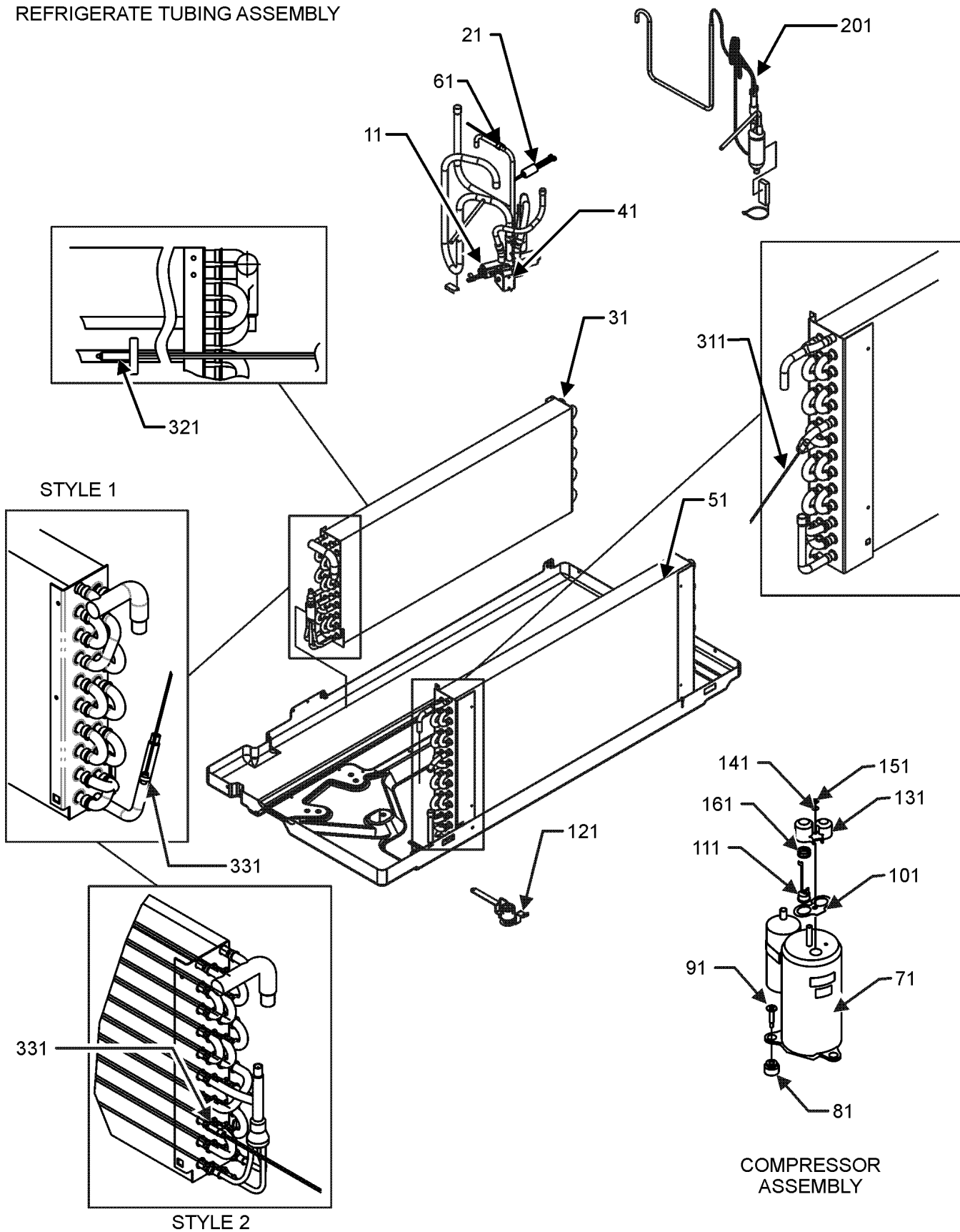
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00023	HEATER ASSY (M3, M4, M5, M6, M7, M8)
51	0275P00026	HEATER ASSY (M1, M2)
51	0275P00040	HEATER ASSY (M9, M10, M11, M12, M13, M14, M15, M16)
51	0275P00041	HEATER ASSY (M17, M18, M19, M20)
61	0150P00004	WHEEL, BLOWER
71	0131P00037	FAN MOTOR, INDOOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16)
71	0131P00038	FAN MOTOR, INDOOR (M17, M18, M19, M20)
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR - DISCHARGE
121	0121P00059DG	ENDPLATE-RH SCROLL
131	0121P00088DG	ENDPLATE- LH SCROLL

Expanded Model Nomenclature

M1 - PTH124G15AXXXCA
 M2 - PTH124G15QXXXCA
 M3 - PTH124G25AXXXCA
 M4 - PTH124G25CXXXCA
 M5 - PTH124G25NRXXCA
 M6 - PTH124G25QRXXCA
 M7 - PTH124G25QXXXCA
 M8 - PTH124G25RXXXCA
 M9 - PTH124G35AXXXCA
 M10 - PTH124G35CQXXCA
 M11 - PTH124G35CXXXCA
 M12 - PTH124G35DXXXCA
 M13 - PTH124G35QRXXCA
 M14 - PTH124G35QXXXCA
 M15 - PTH124G35RXXXCA
 M16 - PTH124G35VXXXCA
 M17 - PTH124G50AXXXCA
 M18 - PTH124G50CXXXCA
 M19 - PTH124G50RXXXCA
 M20 - PTH124G50VXXXCA

Refrigerant Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



Refrigerant Tubing Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0151P00005	PTAC REVERSING VALVE ASSY	
21	0130M00169	SWITCH, HIGH PRESS	
31	0202P00065	EVAP ASSY, 5/16, 3 ROW	
41	0130P00022	REVERSING VALVE COIL	
51	0201P00098	7 MM CONDENSER ASSEMBLY (M1, M2, M3, M5, M6, M7, M8, M9, M12, M13, M14, M15, M16, M17, M19, M20)	
51	0201P00104NG	7MM CONDENSER ASSEMBLY PAINTED (M4, M10, M11, M18)	
61	0130P00077	THERMISTOR - INDOOR (M5, M6, M8, M13, M15, M19)	
71	44A287AK&JEKD	COMPRESSOR, RECHI	
81	60130203	GROMMET - RECHI COMPRESSOR (QTY 3)	
91	M0227803	SCREW-TC (QTY 3)	
101	60100103	TERMINAL GASKET	
111	60343539	OVERLOAD PROTECTOR	
121	20406303	BASE PAN VALVE	
131	60100314	TERMINAL COVER - RECHI COMP	
141	60100201	WASHER - RECHI COMPRESSOR	
151	60100401	TERMINAL NUT - RECHI COMP	
161	60500101	OLP SPRING - RECHI COMPRESSOR	
201	0210P00258	CAPILLARY TUBE WELDMENT	
311	0130P00130	THERMISTOR	
321	0130P00142	THERMISTOR	
331	0130P00144	THERMISTOR	
NS	BT1392310	PLASTIC CLAMP, .1875 DIA (M12, M16, M20)	

Expanded Model Nomenclature

M1 - PTH124G15AXXXCA
 M2 - PTH124G15QXXXCA
 M3 - PTH124G25AXXXCA
 M4 - PTH124G25CXXXCA
 M5 - PTH124G25NRXXCA
 M6 - PTH124G25QRXXCA
 M7 - PTH124G25QXXXCA
 M8 - PTH124G25RXXXCA
 M9 - PTH124G35AXXXCA
 M10 - PTH124G35CQXXCA
 M11 - PTH124G35CXXXCA
 M12 - PTH124G35DXXXCA
 M13 - PTH124G35QRXXCA
 M14 - PTH124G35QXXXCA
 M15 - PTH124G35RXXXCA
 M16 - PTH124G35VXXXCA
 M17 - PTH124G50AXXXCA
 M18 - PTH124G50CXXXCA
 M19 - PTH124G50RXXXCA
 M20 - PTH124G50VXXXCA