

PTH154G Package Terminal Heat Pump

PTH154G15QXXXGA
PTH154G25AXXXGA
PTH154G25CXXXGA
PTH154G25DRXXGA
PTH154G25DXXXGA
PTH154G25RXXXGA
PTH154G35AXXXGA
PTH154G35CXXXGA
PTH154G35QRXXGA
PTH154G35QXXXGA
PTH154G35RXXXGA
PTH154G35VXXXGA
PTH154G50AXXXGA
PTH154G50CXXXGA
PTH154G50VXXXGA



Amana® is a registered trademark of Maytag Corporation or its related companies and is used under license. All rights reserved.

This manual is to be used by qualified technicians only.

This manual replaces RP-A5345

Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 13

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:

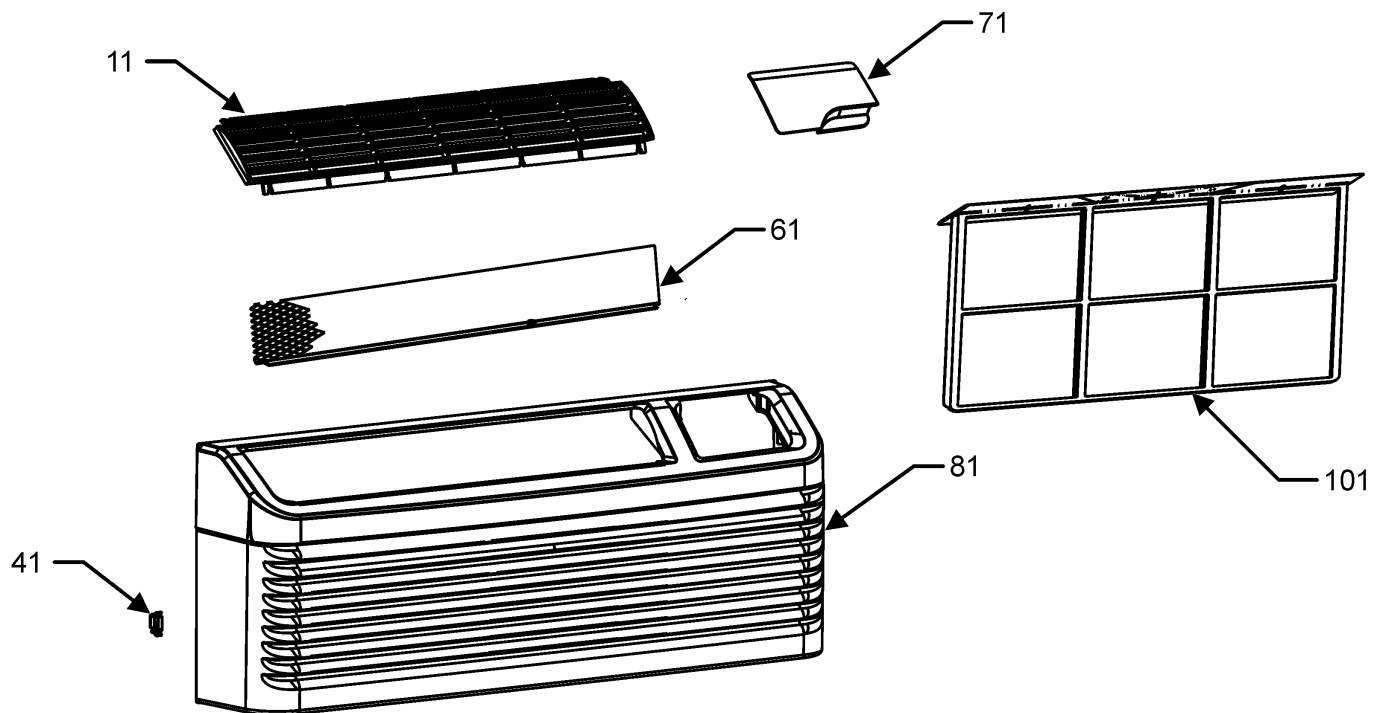
20406303	BASE PAN VALVE
CAP020250450CS	CAP, 2/25 MFD/450V/DUAL RD
CAP015000500RP	CAPACITOR
50A367QM-9GKG	COMPRESSOR, RECHI
RSKP0014	CONTROL BOARD KIT
RSKP0012	CONTROL BOARD M70
RSKP0015	CONTROL PANEL COVER AND MEMBRANE
0130P00128	CORD, 277V, 20A (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
0130P00129	CORD, 277V, 30A (M13, M14, M15)
0131P00057	FAN MOTOR, INDOOR
0131P00026	FAN MOTOR, OUTDOOR
0161P00055	FAN, CONDENSER
A3410402	FUSE 15A (M1, M2, M3, M4, M5, M6)
A3410403	FUSE 20A (M7, M8, M9, M10, M11, M12)
A3410404	FUSE 25A (M13, M14, M15)
0275P00041	HEATER ASSY (M13, M14, M15)
0275P00040	HEATER ASSY (M7, M8, M9, M10, M11, M12)
0275P00023	HEATER ASSY (M2, M3, M4, M5, M6)
0130P00133	HUMIDITY SENSOR (M4, M5, M12, M15)
60349603A	OVERLOAD PROTECTOR-PURPLE DOT
PCBCP150	PCB CONTROL
PCBCP147	PCB, CONTROL, D70 (M4, M5, M12, M15)
0130P00137	POWER VENT MOTOR (M4, M5, M12, M15)
0151P00014	PTAC Reversing Valve Assy
0130P00022	REVERSING VALVE COIL
0130M00169	SWITCH, HIGH PRESS
802007090	TERMINAL BOARD
0130P00077	THERMISTOR (M4, M6, M9, M11)
0130P00159	THERMISTOR
0130P00134	THERMISTOR
0130P00130	THERMISTOR (M1, M2, M4, M5, M6, M7, M9, M10, M11, M12, M13, M15)
0130P00098	THERMISTOR GREEN OAT (M4, M5, M6, M9, M11, M12, M15)
0130P00164	Thermistor ID air 7mm
0130P00093	THERMISTOR, .375 CLIP, BLUE (M3, M8, M14)
0130M00342	TRANSFORMER 20VA 265V
0130M00601	TRANSFORMER, 40VA, 277V TO 24V (M4, M5, M12, M15)
0150P00005	WHEEL, BLOWER

Expanded Model Nomenclature

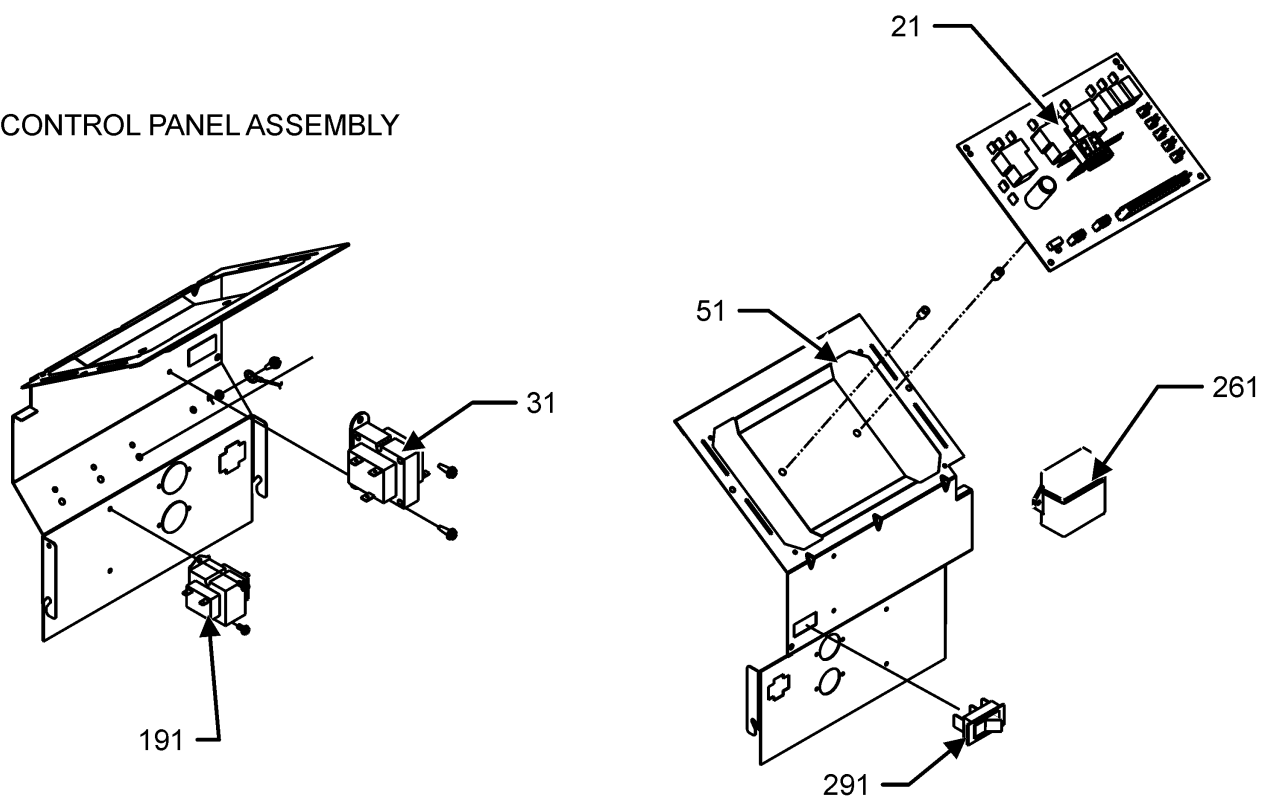
M1 - PTH154G15QXXXGA
M2 - PTH154G25AXXXGA
M3 - PTH154G25CXXXGA
M4 - PTH154G25DRXXGA
M5 - PTH154G25DXXXGA
M6 - PTH154G25RXXXGA
M7 - PTH154G35AXXXGA
M8 - PTH154G35CXXXGA
M9 - PTH154G35QRXXGA
M10 - PTH154G35QXXXGA
M11 - PTH154G35RXXXGA
M12 - PTH154G35VXXXGA
M13 - PTH154G50AXXXGA
M14 - PTH154G50CXXXGA
M15 - PTH154G50VXXXGA

Front Panel / Control Board Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY



Front Panel / Control Board Assembly

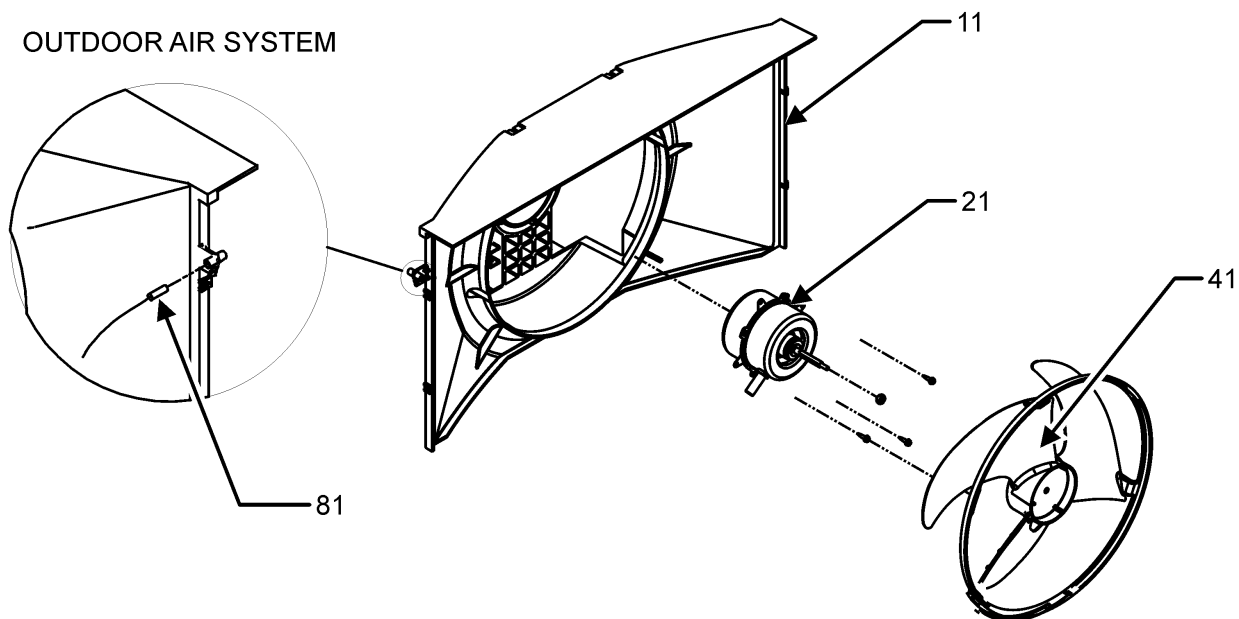
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00048		FRONT, LOUVERS DISCHARGE
21	RSKP0014		CONTROL BOARD KIT
21	RSKP0012		CONTROL BOARD M70
21	PCBCP150		PCB CONTROL
31	0130M00342		TRANSFORMER 20VA 265V
41	0163P00025		CLIP (QTY 2)
51	0121P00130		PANEL, CONTROL
61	0121P00194BL		SCREEN, DISCHARGE, PAINTED
71	0261P00003		DOOR ASSY -AMANA-
81	0261P00011		FRONT ASSY
101	0161P00035		FILTER, RACK (QTY 2)
191	0130M00601		TRANSFORMER, 40VA, 277V TO 24V (M4, M5, M12, M15)
261	0130P00104		ANTENNA (M4, M6, M9, M11)
291	B1337701		PADDLE SWITCH (M4, M5, M12, M15)
NS	C6476001		BAYONET FUSE HOLDER (M1, M2, M3, M4, M5, M6)
NS	C6476002		BAYONET FUSE HOLDER (M7, M8, M9, M10, M11, M12)
NS	C6476003		BAYONET FUSE HOLDER (M13, M14, M15)
NS	A3410402		FUSE 15A (M1, M2, M3, M4, M5, M6)
NS	A3410403		FUSE 20A (M7, M8, M9, M10, M11, M12)
NS	A3410404		FUSE 25A (M13, M14, M15)
NS	PCBCP147		PCB, CONTROL, D70 (M4, M5, M12, M15)
NS	0259P00015		WIRE HARNESS (M4, M5, M12, M15)

Expanded Model Nomenclature

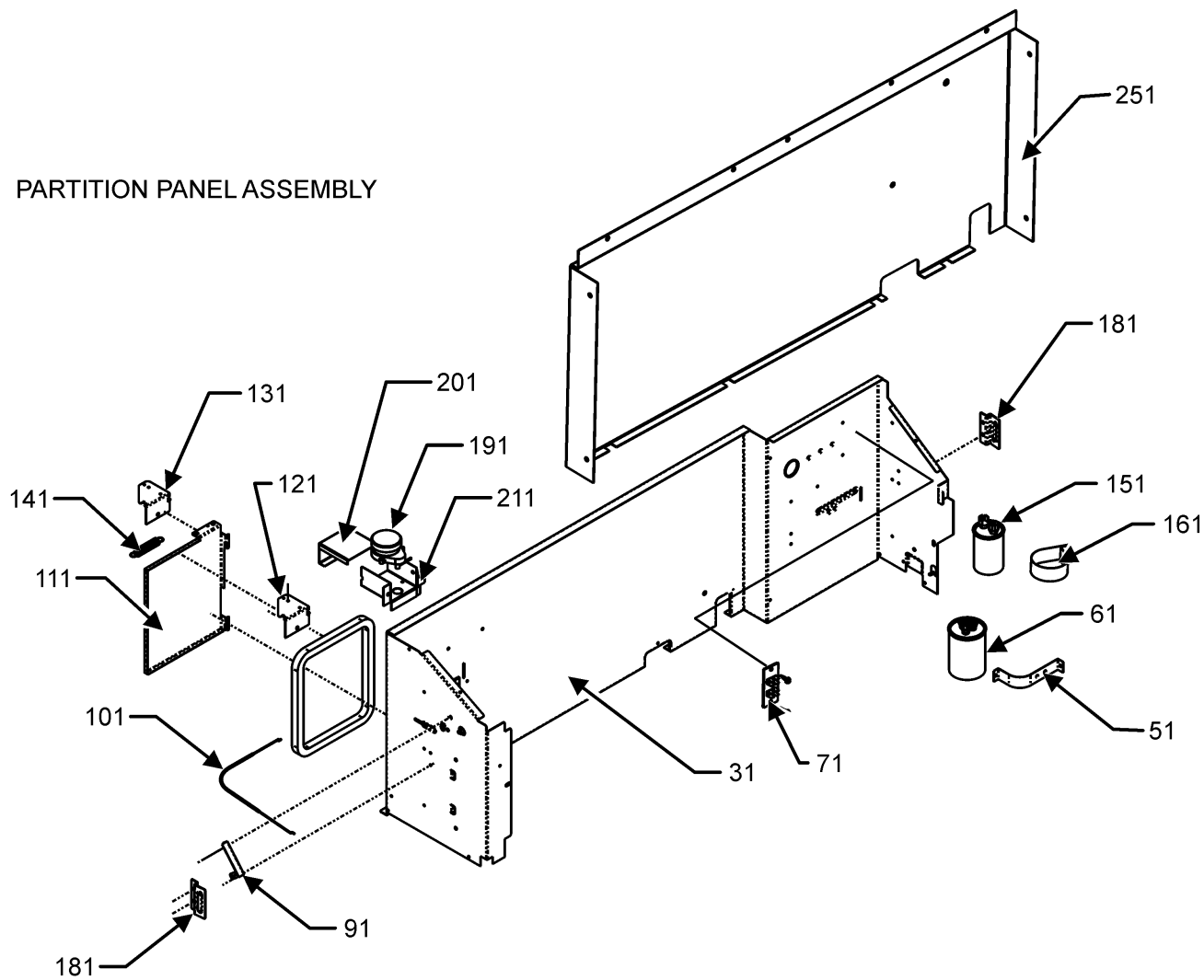
M1 - PTH154G15QXXXGA
 M2 - PTH154G25AXXXGA
 M3 - PTH154G25CXXXGA
 M4 - PTH154G25DRXXXGA
 M5 - PTH154G25DXXXGA
 M6 - PTH154G25RXXXGA
 M7 - PTH154G35AXXXGA
 M8 - PTH154G35CXXXGA
 M9 - PTH154G35QRXXXGA
 M10 - PTH154G35QXXXGA
 M11 - PTH154G35RXXXGA
 M12 - PTH154G35VXXXGA
 M13 - PTH154G50AXXXGA
 M14 - PTH154G50CXXXGA
 M15 - PTH154G50VXXXGA

Outdoor Air System / Partition Panel

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY



Outdoor Air System / Partition Panel

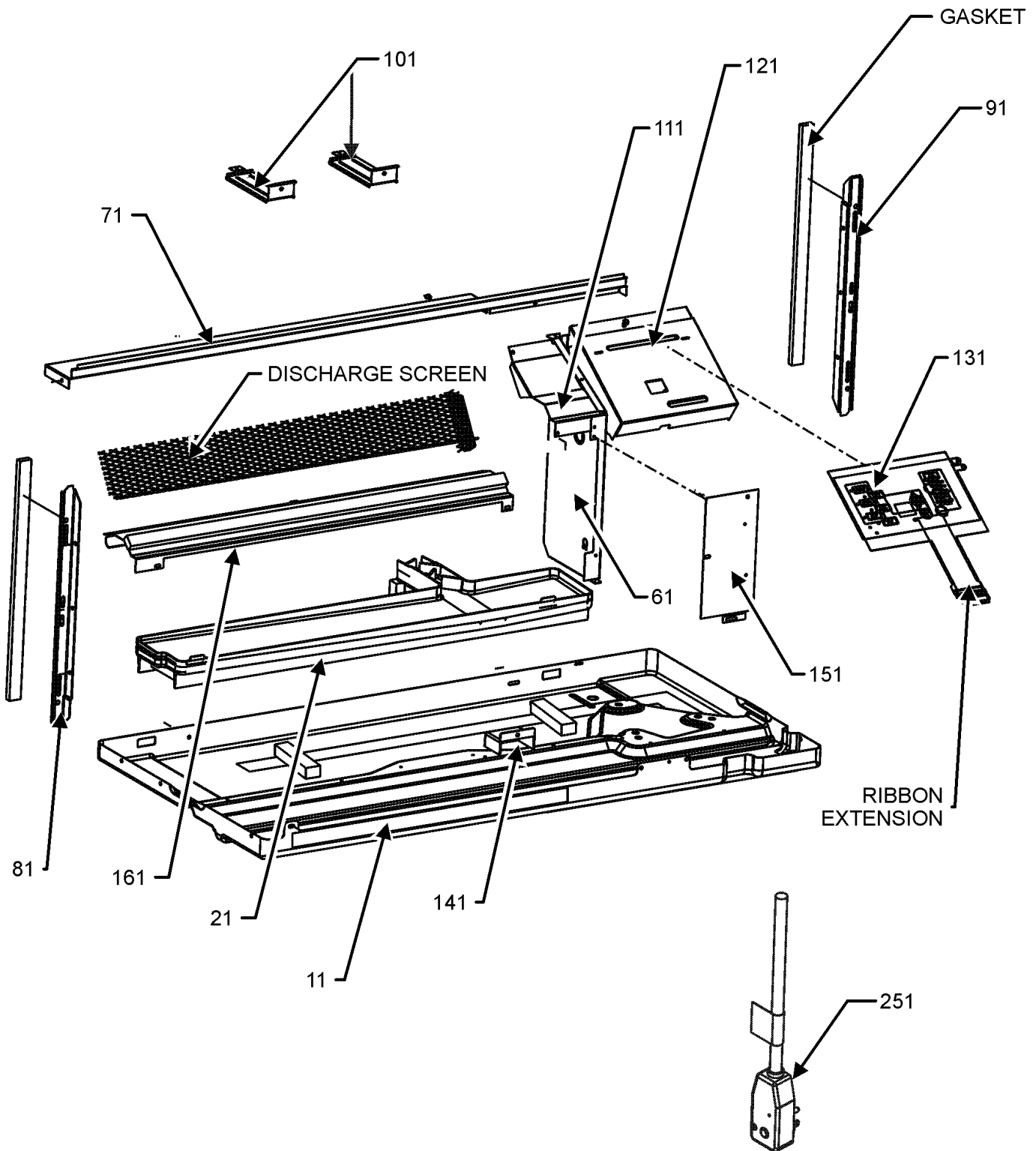
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00110		CONDENSER SHROUD
21	0131P00026		FAN MOTOR, OUTDOOR
31	0121P00093		PANEL-PARTITION (M1, M9, M10)
31	0121P00108NG		PANEL-PARTITION (M2, M3, M4, M5, M6, M7, M8, M11, M12, M13, M14, M15)
41	0161P00055		FAN, CONDENSER
51	C6300502		CAPACITOR STRAP
61	CAP020250450CS		CAP, 2/25 MFD/450V/DUAL RD
71	802007090		TERMINAL BOARD
81	0130P00098		THERMISTOR GREEN OAT (M4, M5, M6, M9, M11, M12, M15)
91	11046302		LEVER ARM (M2, M3, M6, M7, M8, M11, M13, M14)
101	0163P00019		CABLE (M2, M3, M6, M7, M8, M11, M13, M14)
111	0121P00177		DOOR-VENT PTC (M3, M8, M14)
121	0121P00079		BRACKET, VENT DOOR (M4, M5, M12, M15)
131	0121P00072NG		BRACKET, VENT DOOR-C (M2, M3, M6, M7, M8, M11, M13, M14)
131	0121P00180		BRKT, POWER VENT (M4, M5, M12, M15)
141	11166401		EXTENSION SPRING (M4, M5, M12, M15)
151	CAP015000500RP		CAPACITOR
161	0163P00029		CAPACITOR CLAMP
181	11191703		PARTITION PANEL BRACKET (QTY 2)
191	0130P00137		POWER VENT MOTOR (M4, M5, M12, M15)
201	11166201		POWER VENT COVER BRACKET (M4, M5, M12, M15)
211	11166101		POWER VENT MOTOR BRACKET (M4, M5, M12, M15)
251	0121P00091		PANEL-AUXILLIARY (M1, M9, M10)
NS	0130P00133		HUMIDITY SENSOR (M4, M5, M12, M15)

Expanded Model Nomenclature

M1 - PTH154G15QXXXGA
 M2 - PTH154G25AXXXGA
 M3 - PTH154G25CXXXGA
 M4 - PTH154G25DRXXGA
 M5 - PTH154G25DXXXGA
 M6 - PTH154G25RXXXGA
 M7 - PTH154G35AXXXGA
 M8 - PTH154G35CXXXGA
 M9 - PTH154G35QRXXGA
 M10 - PTH154G35QXXXGA
 M11 - PTH154G35RXXXGA
 M12 - PTH154G35VXXXGA
 M13 - PTH154G50AXXXGA
 M14 - PTH154G50CXXXGA
 M15 - PTH154G50VXXXGA

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
----------------------	--------------	----------------------	--------------

Image 1:

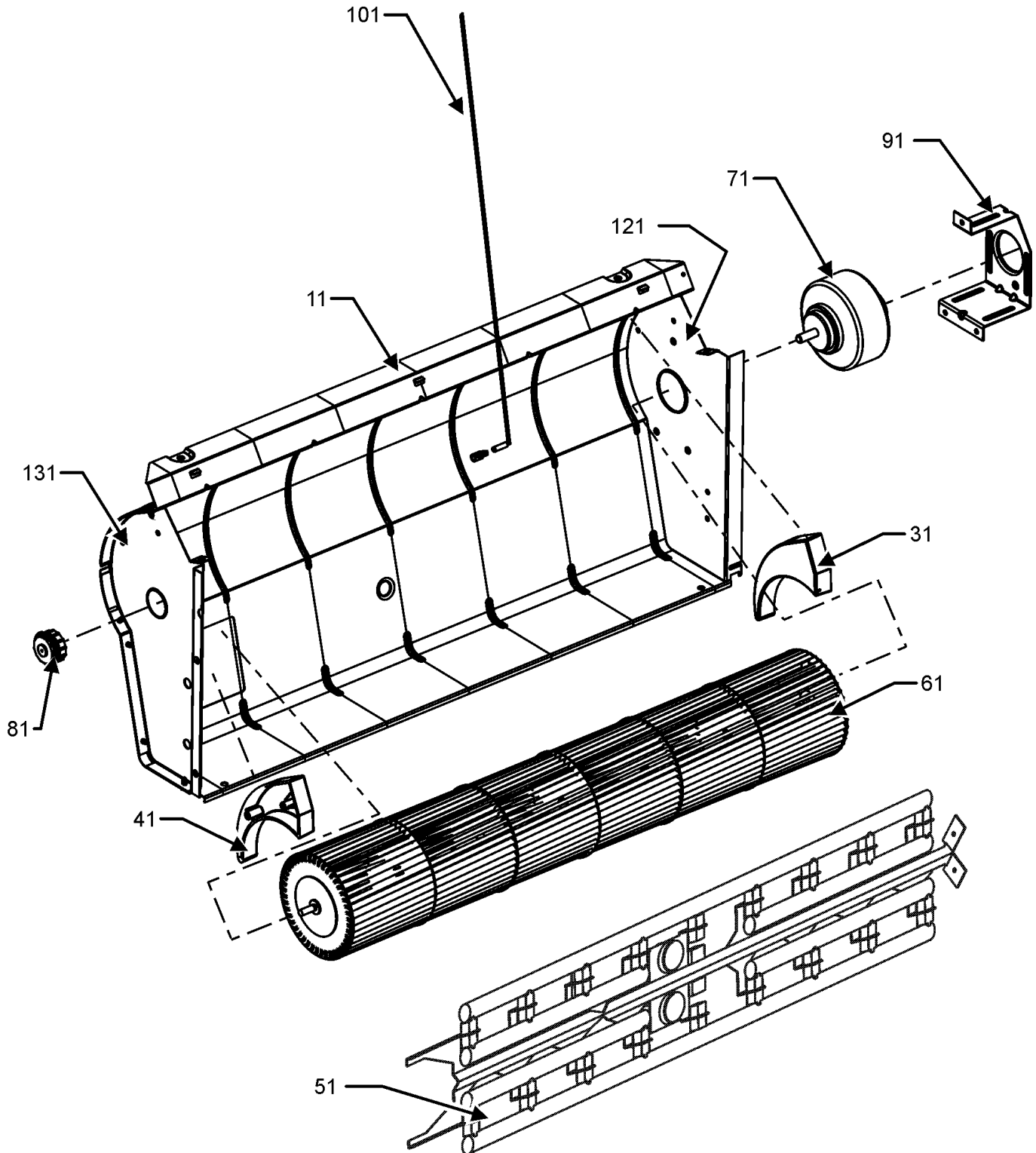
11	0121P00175DG	BASE PAN (M1, M2, M4, M5, M6, M7, M9, M10, M11, M12, M13, M15)
11	0121P00175NG	BASE PAN (M3, M8, M14)
21	0161P00044	PLASTIC-DRAIN PAN
61	0121P00278	PANEL-MID PTN PTC
71	0121P00063NG	TOP, PARTITION PANEL
81	0121P00197	SEAL-L SIDE PTC
91	0121P00198	SEAL-R SIDE PTC
101	0121P00071	BRACE, TIE (QTY 2)
111	0121P00070DG	COVER, MOTOR
121	0121P00280	COVER-CONTROL PANEL
131	RSKP0015	CONTROL PANEL COVER AND MEMBRANE
141	0161P00016	PLASTIC-HOOD (M2, M3, M4, M5, M6, M7, M8, M11, M12, M13, M14, M15)
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)
251	0130P00129	CORD, 277V, 30A (M13, M14, M15)
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTH154G15QXXXGA
 M2 - PTH154G25AXXXGA
 M3 - PTH154G25CXXXGA
 M4 - PTH154G25DRXXXGA
 M5 - PTH154G25DXXXGA
 M6 - PTH154G25RXXXGA
 M7 - PTH154G35AXXXGA
 M8 - PTH154G35CXXXGA
 M9 - PTH154G35QRXXXGA
 M10 - PTH154G35QXXXGA
 M11 - PTH154G35RXXXGA
 M12 - PTH154G35VXXXGA
 M13 - PTH154G50AXXXGA
 M14 - PTH154G50CXXXGA
 M15 - PTH154G50VXXXGA

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

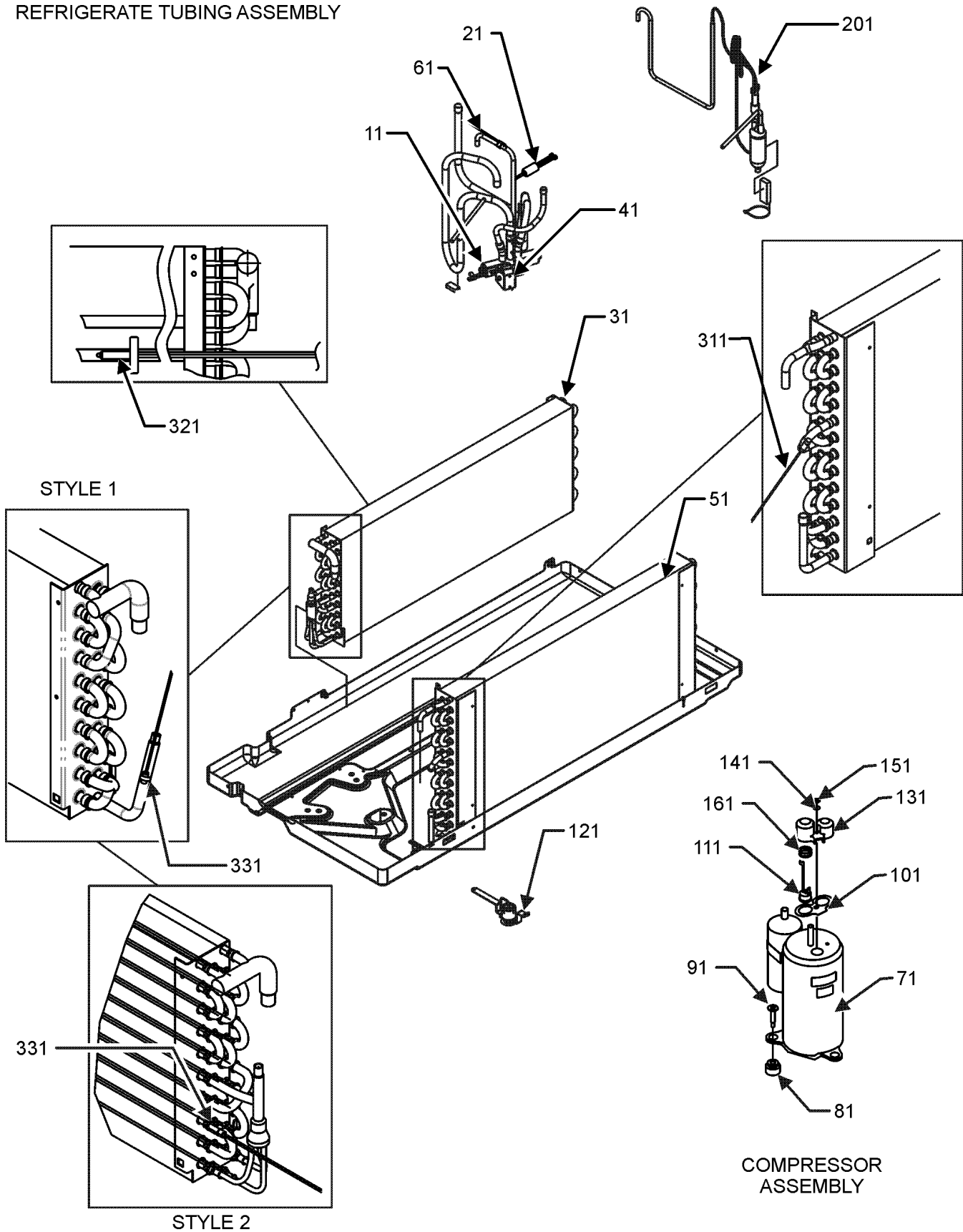
11	0270P01070	SCROLL ASSY
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00023	HEATER ASSY (M2, M3, M4, M5, M6)
51	0275P00040	HEATER ASSY (M7, M8, M9, M10, M11, M12)
51	0275P00041	HEATER ASSY (M13, M14, M15)
61	0150P00005	WHEEL, BLOWER
71	0131P00057	FAN MOTOR, INDOOR
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR
121	0121P00059DG	ENDPLATE-RH SCROLL
131	0121P00215DG	ENDPLATE-LH SCROLL, PNT

Expanded Model Nomenclature

M1 - PTH154G15QXXXGA
 M2 - PTH154G25AXXXGA
 M3 - PTH154G25CXXXGA
 M4 - PTH154G25DRXXGA
 M5 - PTH154G25DXXXGA
 M6 - PTH154G25RXXXGA
 M7 - PTH154G35AXXXGA
 M8 - PTH154G35CXXXGA
 M9 - PTH154G35QRXXGA
 M10 - PTH154G35QXXXGA
 M11 - PTH154G35RXXXGA
 M12 - PTH154G35VXXXGA
 M13 - PTH154G50AXXXGA
 M14 - PTH154G50CXXXGA
 M15 - PTH154G50VXXXGA

Refrigerant Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



Refrigerant Tubing Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0151P00014		PTAC Reversing Valve Assy
21	0130M00169		SWITCH, HIGH PRESS
31	0202P00113		7MM EVAP ASSY 3 ROW
41	0130P00022		REVERSING VALVE COIL
51	0201P00167		7MM CONDENSER COIL ASSY (M1, M2, M4, M5, M6, M7, M9, M10, M11, M12, M13, M15)
51	0201P00138MB		PNT-7MM COND COIL ASSY (M3, M8, M14)
61	0130P00077		THERMISTOR (M4, M6, M9, M11)
71	50A367QM-9GKG		COMPRESSOR, RECHI
81	60140209		GROMMET - RECHI COMPRESSOR (QTY 3)
91	M0221817		SCREW-SM (QTY 3)
101	60100103		TERMINAL GASKET
111	60349603A		OVERLOAD PROTECTOR-PURPLE DOT
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	0210P00462		CAPILLARY ASSY
311	0130P00130		THERMISTOR (M1, M2, M4, M5, M6, M7, M9, M10, M11, M12, M13, M15)
311	0130P00093		THERMISTOR, .375 CLIP, BLUE (M3, M8, M14)
321	0130P00164		Thermistor ID air 7mm
331	0130P00159		THERMISTOR
NS	BT1392310		PLASTIC CLAMP, .1875 DIA (M4, M5, M12, M15)

Expanded Model Nomenclature

M1 - PTH154G15QXXXGA
M2 - PTH154G25A XXXGA
M3 - PTH154G25CXXXGA
M4 - PTH154G25DRXXGA
M5 - PTH154G25DXXXGA
M6 - PTH154G25RXXXGA
M7 - PTH154G35A XXXGA
M8 - PTH154G35CXXXGA
M9 - PTH154G35QRXXGA
M10 - PTH154G35QXXXGA
M11 - PTH154G35RXXXGA
M12 - PTH154G35VXXXGA
M13 - PTH154G50A XXXGA
M14 - PTH154G50CXXXGA
M15 - PTH154G50VXXXGA