

PTH123G Package Terminal Heat Pump

PTH123G25AXXXCA
PTH123G25CQXXCA
PTH123G35CQXXCA
PTH123G35CXXXCA
PTH123G35QXXXCA



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This manual is to be used by qualified technicians only.

This manual replaces RP-A5050A.

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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:

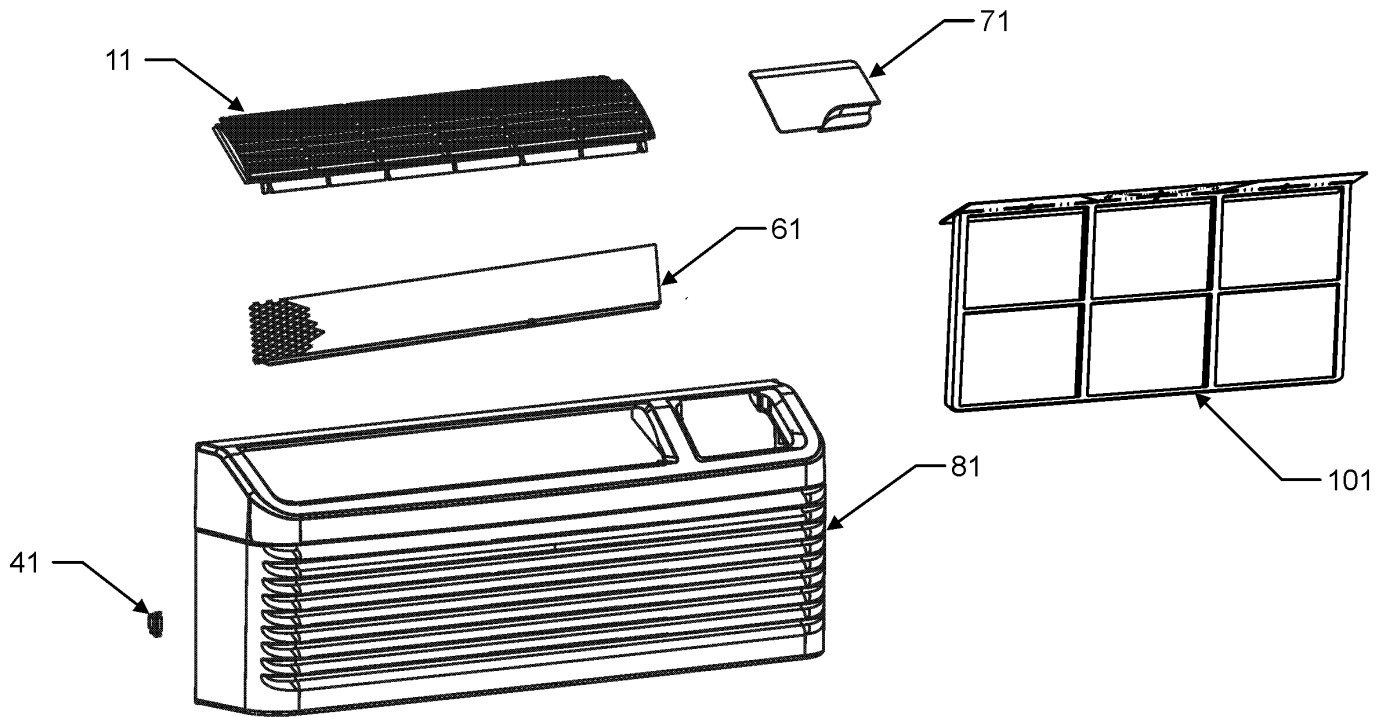
20406303	BASE PAN VALVE
CAP020000440RP	CAPACITOR 2/440V
CAP030300450CS	CAPACITOR, 500V
44A282AK&JEKD	COMPRESSOR, RECHI
RSKP0012	CONTROL BOARD M70
0130P00112	CORD,250VAC,15A (LCD) (M1, M2)
0130P00115	CORD,250VAC,20A (LCD) (M3, M4, M5)
0131P00035	FAN MOTOR, INDOOR 265V
0131P00031	FAN MOTOR, OUTDOOR
0161P00055	FAN, CONDENSER
0275P00038	HEATER ASSY (M3, M4, M5)
0275P00019	HEATER ASSY (M1, M2)
RSKP0015	MEMBRANE KIT
60343503	OVERLOAD PROTECTOR
0151P00000	REVERSING VALVE ASSY-230V
0130P00022	REVERSING VALVE COIL
0130M00169	SWITCH, HIGH PRESS
802007090	TERMINAL BOARD
0130P00144	THERMISTOR
0130P00130	THERMISTOR
0130P00142	THERMISTOR
0130P00134	THERMISTOR - DISCHARGE
0130M00329	TRANSFORMER 20VA 60HZ

Expanded Model Nomenclature

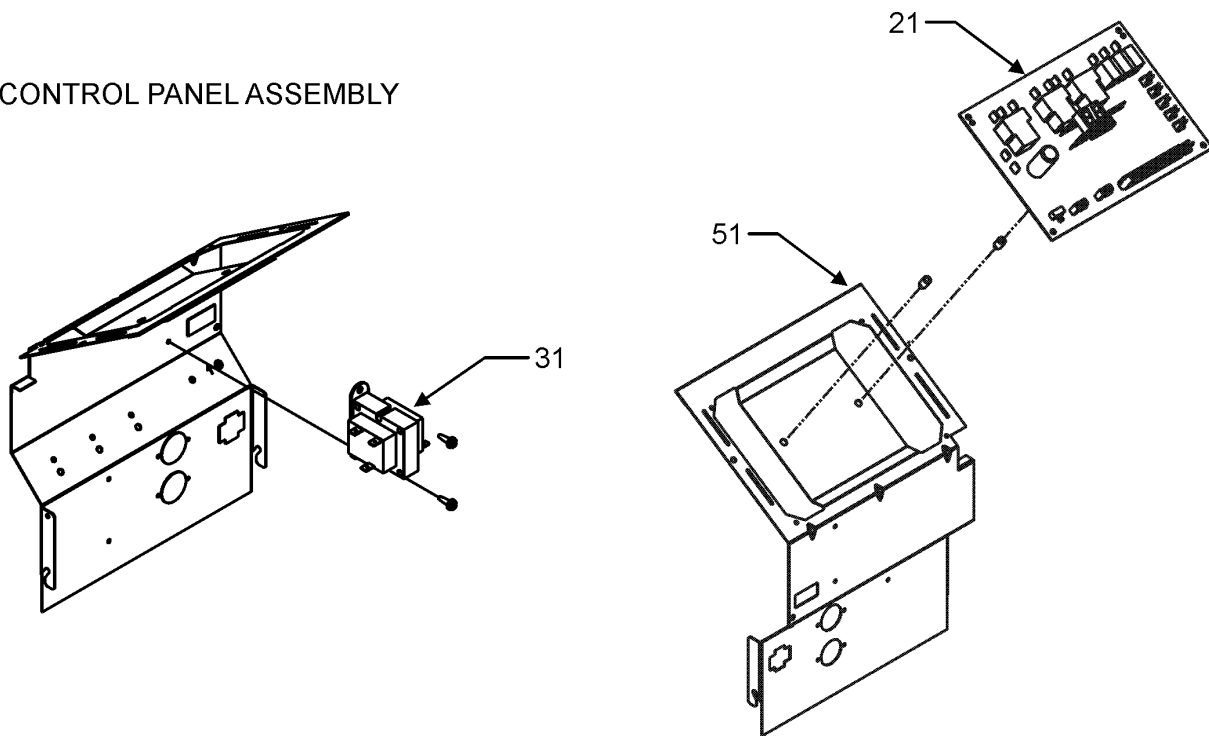
M1 - PTH123G25AXXXCA
M2 - PTH123G25CQXXCA
M3 - PTH123G35CQXXCA
M4 - PTH123G35CXXXCA
M5 - PTH123G35QXXCA

Control Panel and Front Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY



Control Panel and Front Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0161P00048	FRONT-DICHARGE LOUVERS
21	RSKP0012	CONTROL BOARD M70
31	0130M00329	TRANSFORMER 20VA 60HZ
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)

Expanded Model Nomenclature

M1 - PTH123G25AXXXCA

M2 - PTH123G25CQXXCA

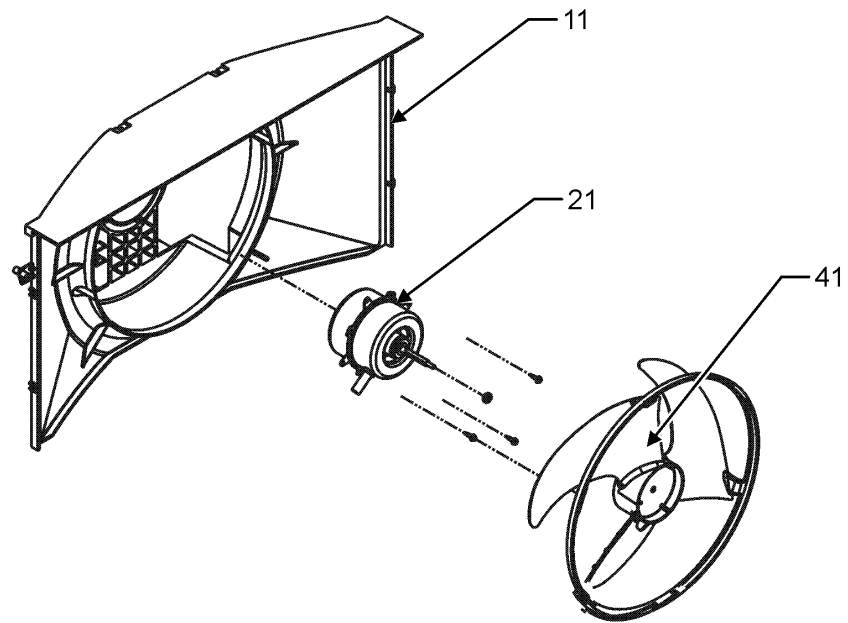
M3 - PTH123G35CQXXCA

M4 - PTH123G35CXXXCA

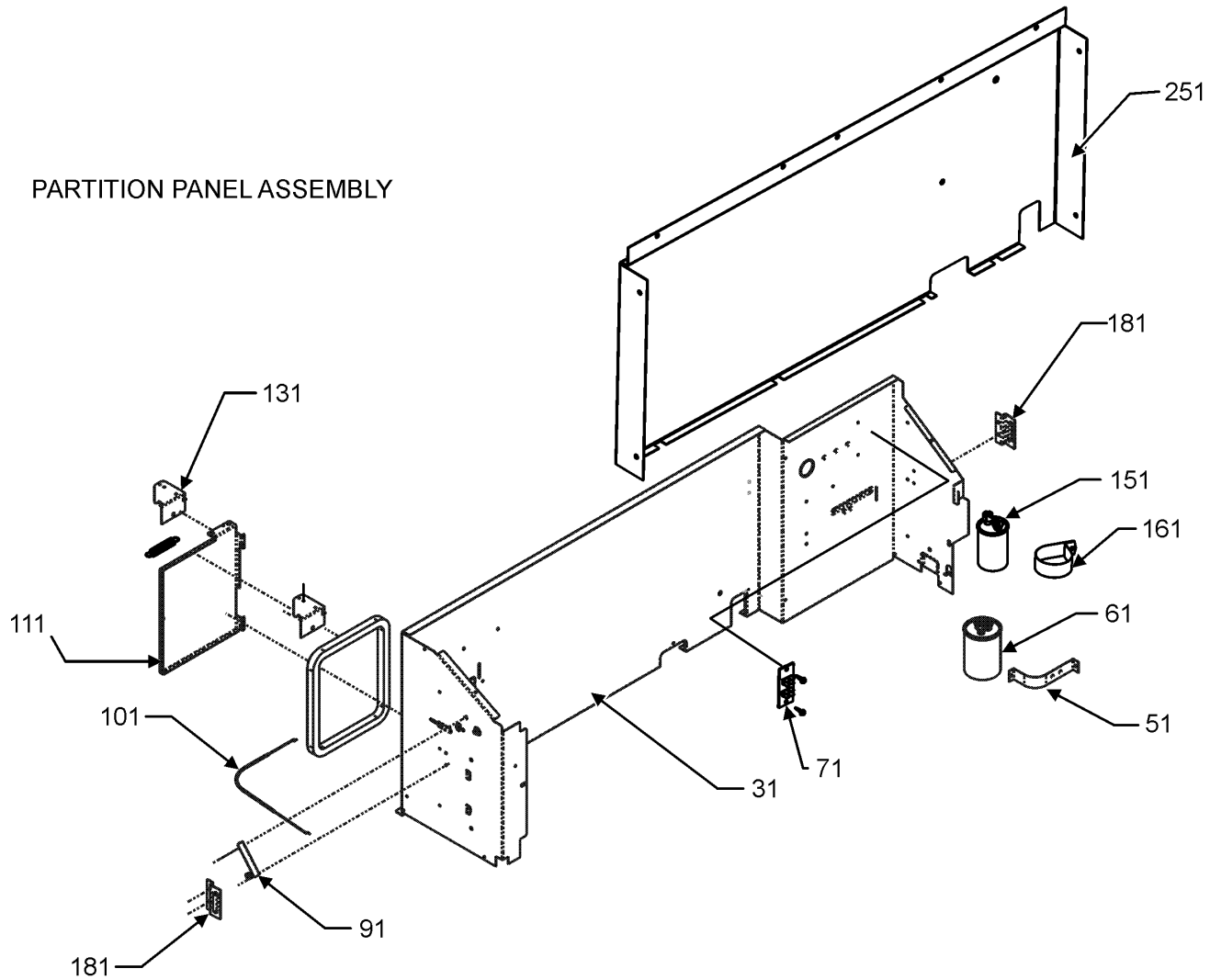
M5 - PTH123G35QXXXCA

Outdoor Air System and Partition Panel

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY



Outdoor Air System and Partition Panel

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

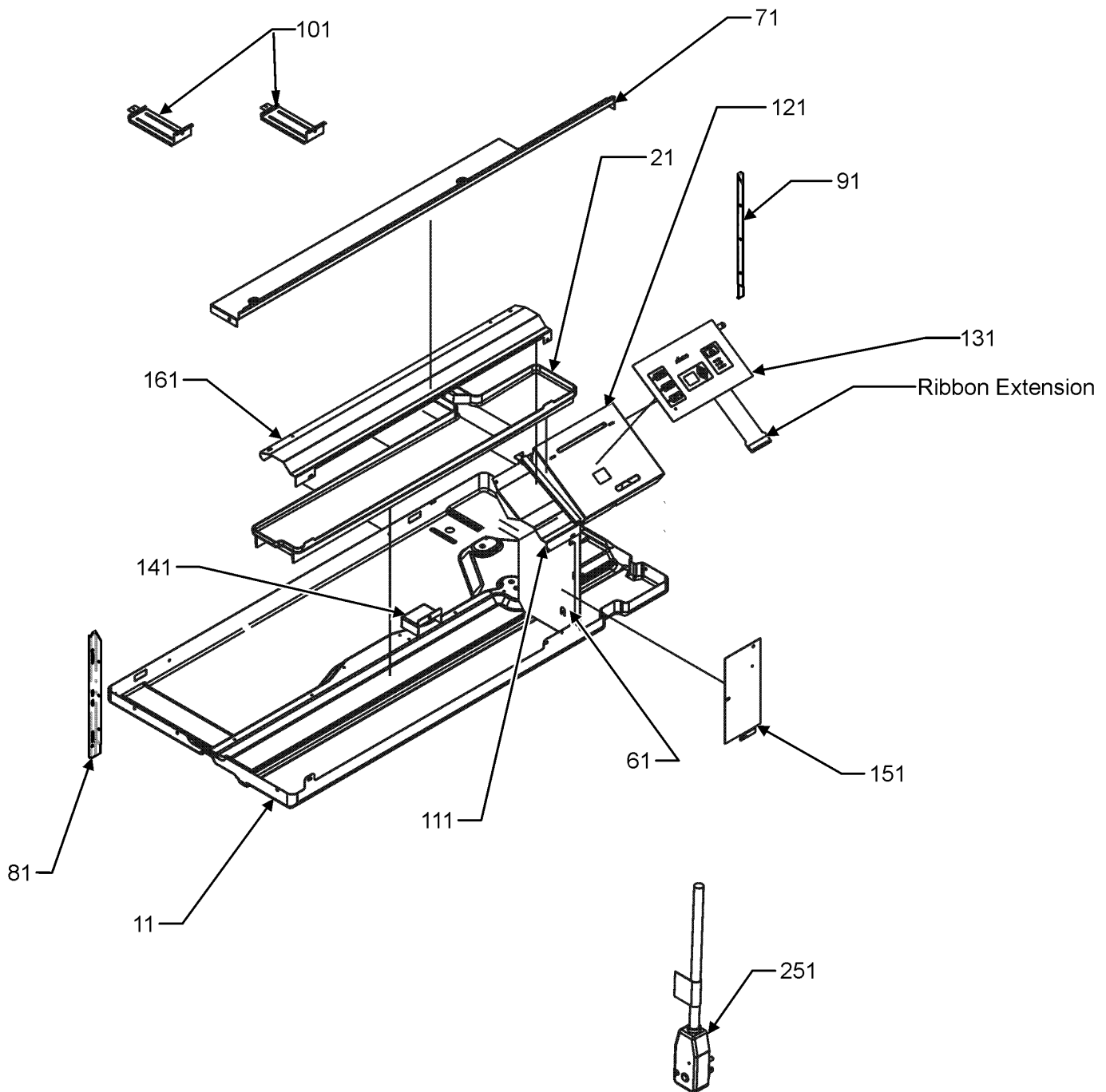
11	0161P00053	SHROUD, CONDENSER
21	0131P00031	FAN MOTOR, OUTDOOR
31	0121P00093NG	PANEL-PARTITION (M2, M3, M5)
31	0121P00108NG	PANEL-PARTITION (M1, M4)
41	0161P00055	FAN, CONDENSER
51	C6300502	CAPACITOR STRAP
61	CAP030300450CS	CAPACITOR, 500V
71	802007090	TERMINAL BOARD
91	11046302	LEVER ARM (M1, M4)
101	0163P00019	CABLE (M1, M4)
111	0121P00177NG	DOOR - PNT VENT PTC (M1, M4)
131	0121P00072NG	BRACKET, VENT DOOR-C (M1, M4)
151	CAP020000440RP	CAPACITOR 2/440V
161	0163P00029	CAPACITOR CLAMP
181	11191703	PARTITION PANEL BRACKET (QTY 2)
251	0121P00091NG	PANEL-AUXILLIARY (M2, M3, M5)

Expanded Model Nomenclature

M1 - PTH123G25AXXXCA
M2 - PTH123G25CQXXCA
M3 - PTH123G35CQXXCA
M4 - PTH123G35CXXXCA
M5 - PTH123G35QXXXCA

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

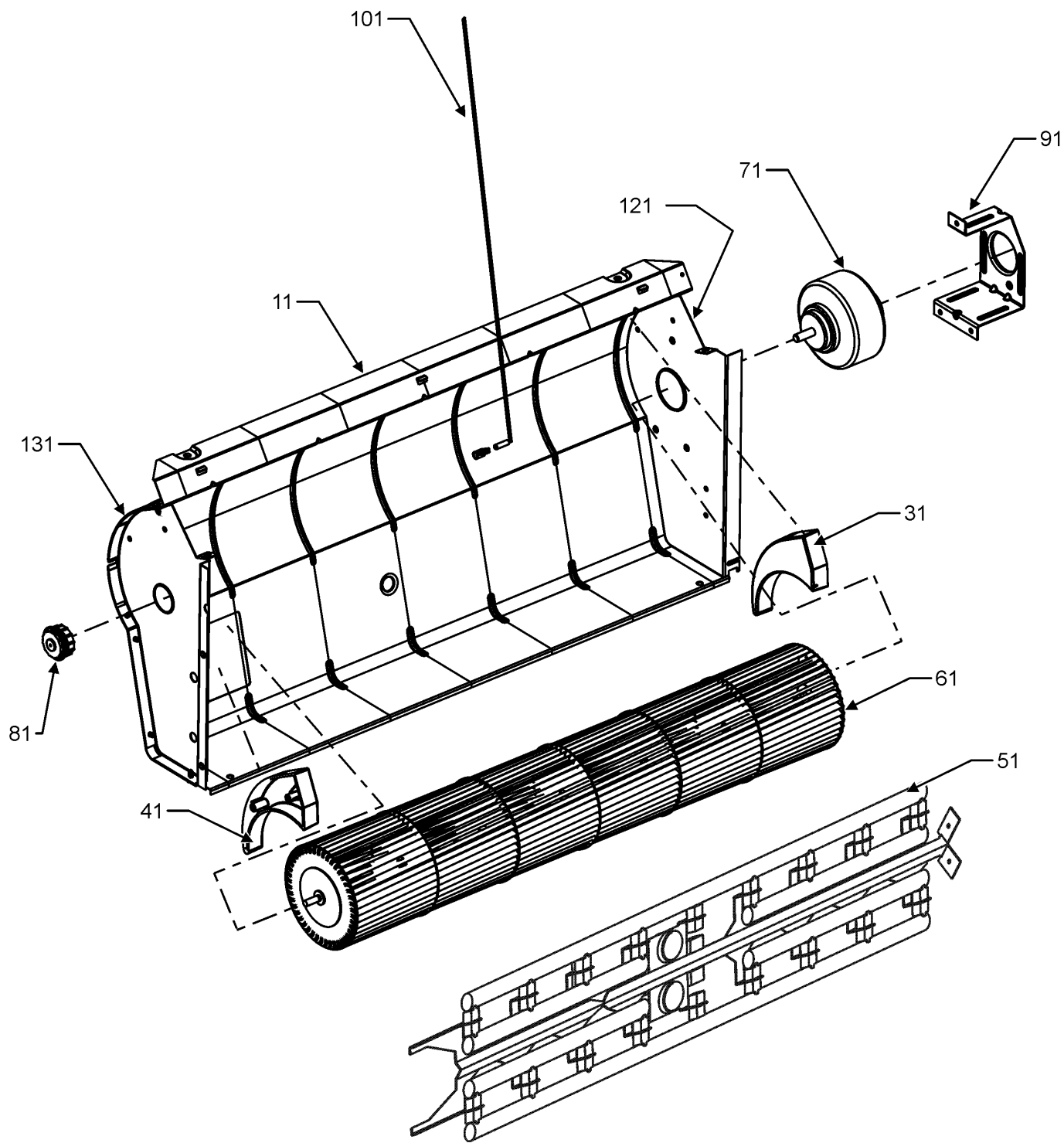
11	0121P00175DG	BASE PAN (M1, M5)
11	0121P00175NG	BASE PAN (M2, M3, M4)
21	0161P00044	PLASTIC-DRAIN PAN
61	20403301	MID PARTITION PANEL
71	0121P00063NG	TOP, PARTITION PANEL
81	0121P00197	SEAL-L SIDE PTC
91	0121P00198	SEAL-R SIDE PTC
101	0121P00071NG	BRACE, TIE (QTY 2)
111	0121P00070DG	COVER, MOTOR
121	0121P00129	COVER-CONTROL PANEL
131	RSKP0015	MEMBRANE KIT
141	0161P00016	PLASTIC-HOOD (M1, M4)
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
251	0130P00112	CORD,250VAC,15A (LCD) (M1, M2)
251	0130P00115	CORD,250VAC,20A (LCD) (M3, M4, M5)
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTH123G25AXXXCA
M2 - PTH123G25CQXXCA
M3 - PTH123G35CQXXCA
M4 - PTH123G35CXXXCA
M5 - PTH123G35QXXXCA

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M1, M2)
51	0275P00038	HEATER ASSY (M3, M4, M5)
61	0150P00004	WHEEL, BLOWER
71	0131P00035	FAN MOTOR, INDOOR 265V
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR - DISCHARGE
121	0121P00059DG	ENDPLATE-RH SCROLL
131	0121P00215DG	ENDPLATE- LH SCROLL

Expanded Model Nomenclature

M1 - PTH123G25AXXXCA

M2 - PTH123G25CQXXCA

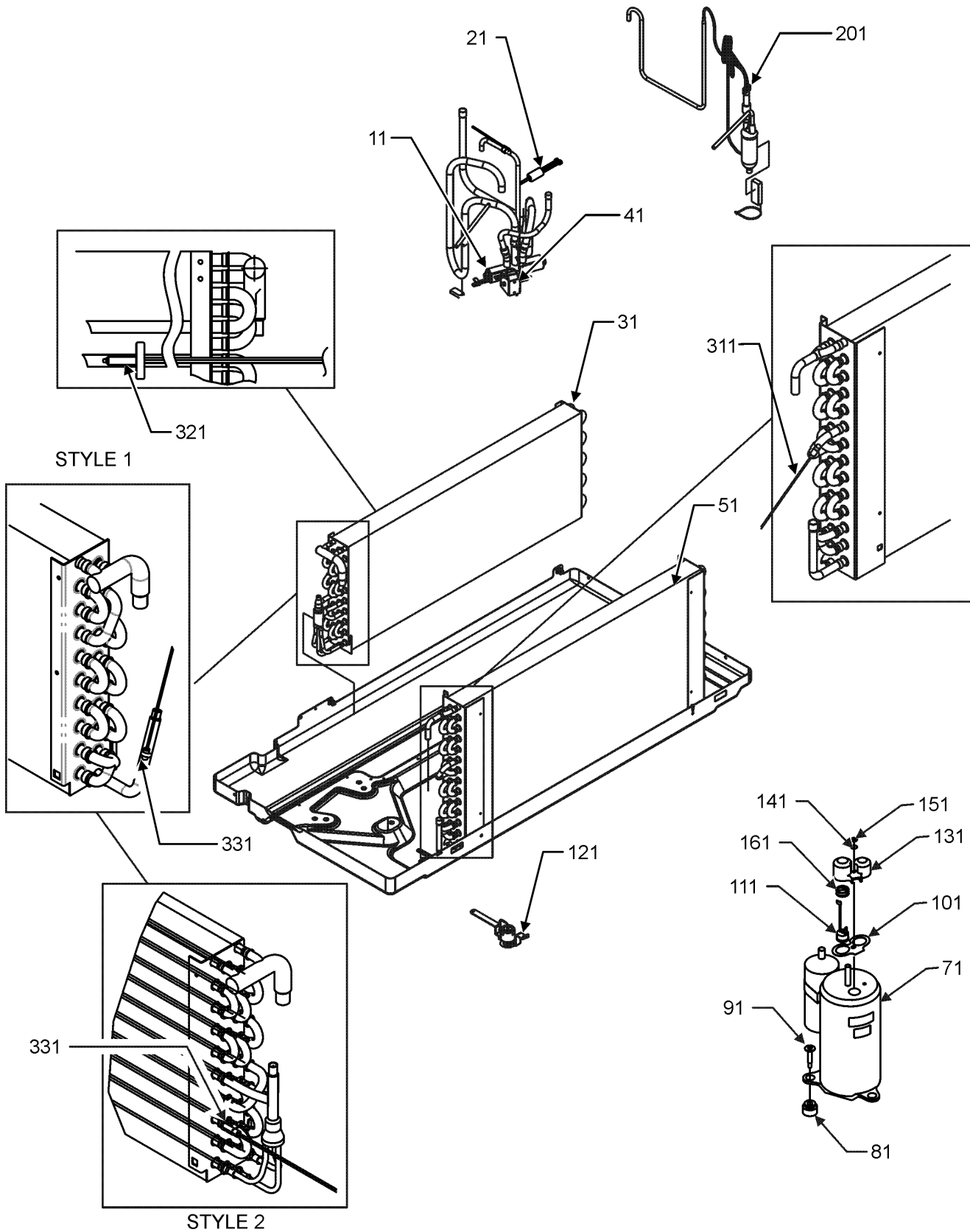
M3 - PTH123G35CQXXCA

M4 - PTH123G35CXXXCA

M5 - PTH123G35QXXXCA

Refrigerate Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



Refrigerate Tubing Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0151P00000	REVERSING VALVE ASSY-230V
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, M5)
51	0201P00104NG	7MM CONDENSER ASSEMBLY PAINTED (M2, M3, M4)
71	44A282AK&JEKD	COMPRESSOR, RECHI
81	60130203	GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163M00079	SCREW, SHOULDER (QTY 3)
101	60100103	TERMINAL GASKET
111	60343503	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	0210P00255	CAPILLARY TUBE WELDMENT
311	0130P00130	THERMISTOR
321	0130P00142	THERMISTOR
331	0130P00144	THERMISTOR

Expanded Model Nomenclature

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M3 - PTH123G35CQXXCA
M4 - PTH123G35CXXXCA
M5 - PTH123G35QXXXCA