

PTH123G Package Terminal Heat Pump

PTH123G25AXXXDA

PTH123G35AXXXDA

PTH123G50AXXXDA



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This manual is to be used by qualified technicians only.

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
44A282A	COMPRESSOR, RECHI
RSKP0012	CONTROL BOARD M70
0130P00112	CORD,250VAC,15A (LCD) (M1)
0130P00115	CORD,250VAC,20A (LCD) (M2)
0130P00118	CORD,250VAC,30A (LCD) (M3)
0131P00036	FAN MOTOR, INDOOR (M3)
0131P00035	FAN MOTOR, INDOOR (M1, M2)
0131P00030	FAN MOTOR, OUTDOOR DC
0161P00055	FAN, CONDENSER
0275P00039	HEATER ASSY (M3)
0275P00038	HEATER ASSY (M2)
0275P00019	HEATER ASSY (M1)
RSKP0015	MEMBRANE KIT
60343503	OVERLOAD PROTECTOR
0151P00000	REVERSING VALVE ASSY-230V
0130P00022	REVERSING VALVE COIL
0130M00169	SWITCH, HIGH PRESS
802007090	TERM BOARD
0130P00130	THERMISTOR
0130P00074	THERMISTOR
0130P00134	THERMISTOR - DISCHARGE
0130P00086	THERMISTOR - INDOOR COIL
0130M00329	TRANSFORMER 20VA 60HZ
PCBEP101	VARIABLE SPEED TERMINAL BOARD (DDC CONTROL)

Expanded Model Nomenclature

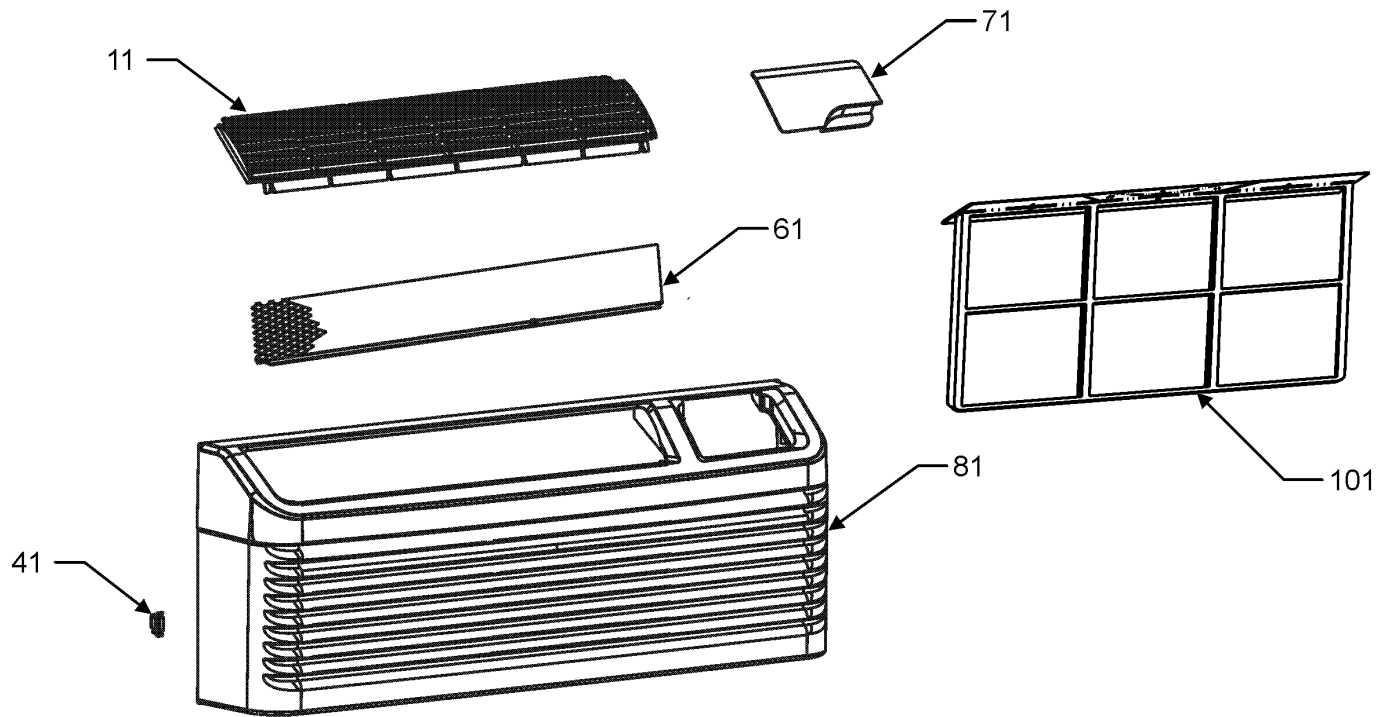
M1 - PTH123G25AXXXDA

M2 - PTH123G35AXXXDA

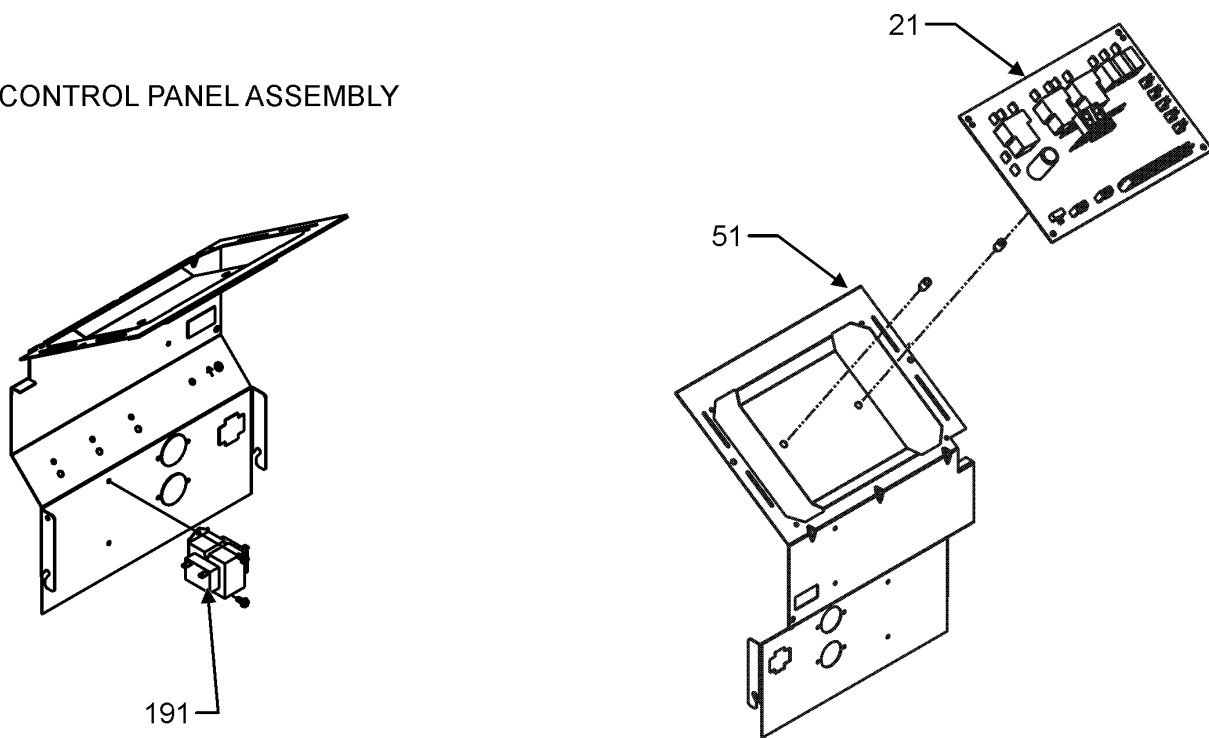
M3 - PTH123G50AXXXDA

Front Panel Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY



Front Panel Assembly

Ref. Part			Ref. Part		
No: No:		Description:	No: No:		Description:
<i>Image 1:</i>					
11	0161P00048	FRONT-DICHARGE LOUVERS			
21	RSKP0012	CONTROL BOARD M70			
41	0163P00025	CLIP (QTY 2)			
51	0121P00130	PANEL, CONTROL			
61	0121P00073	SCREEN, DISCHARGE			
71	0261P00003	DOOR ASSY -AMANA-			
81	0261P00011	FRONT ASSY			
101	0161P00035	FILTER, RACK (QTY 2)			
191	0130M00329	TRANSFORMER 20VA 60HZ			

Expanded Model Nomenclature

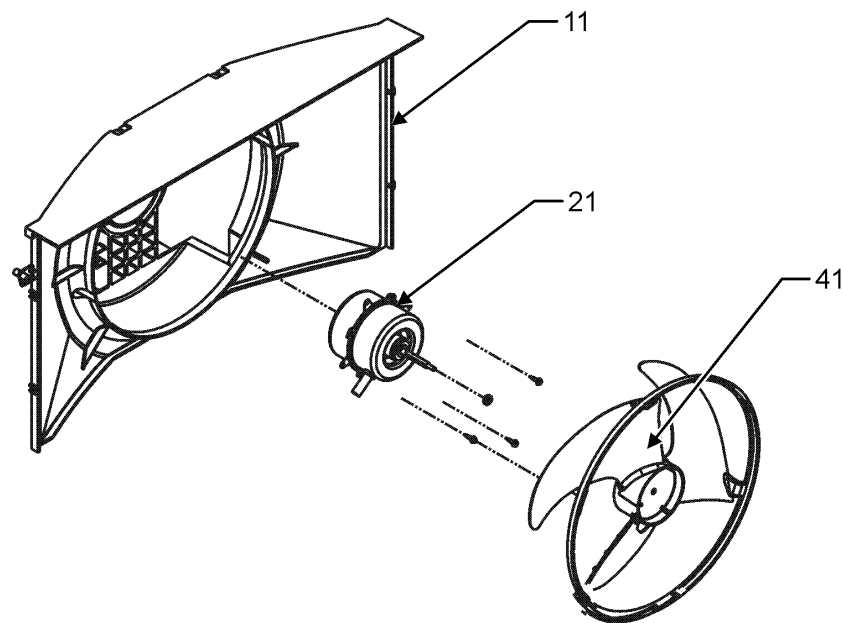
M1 - PTH123G25AXXXDA

M2 - PTH123G35AXXXDA

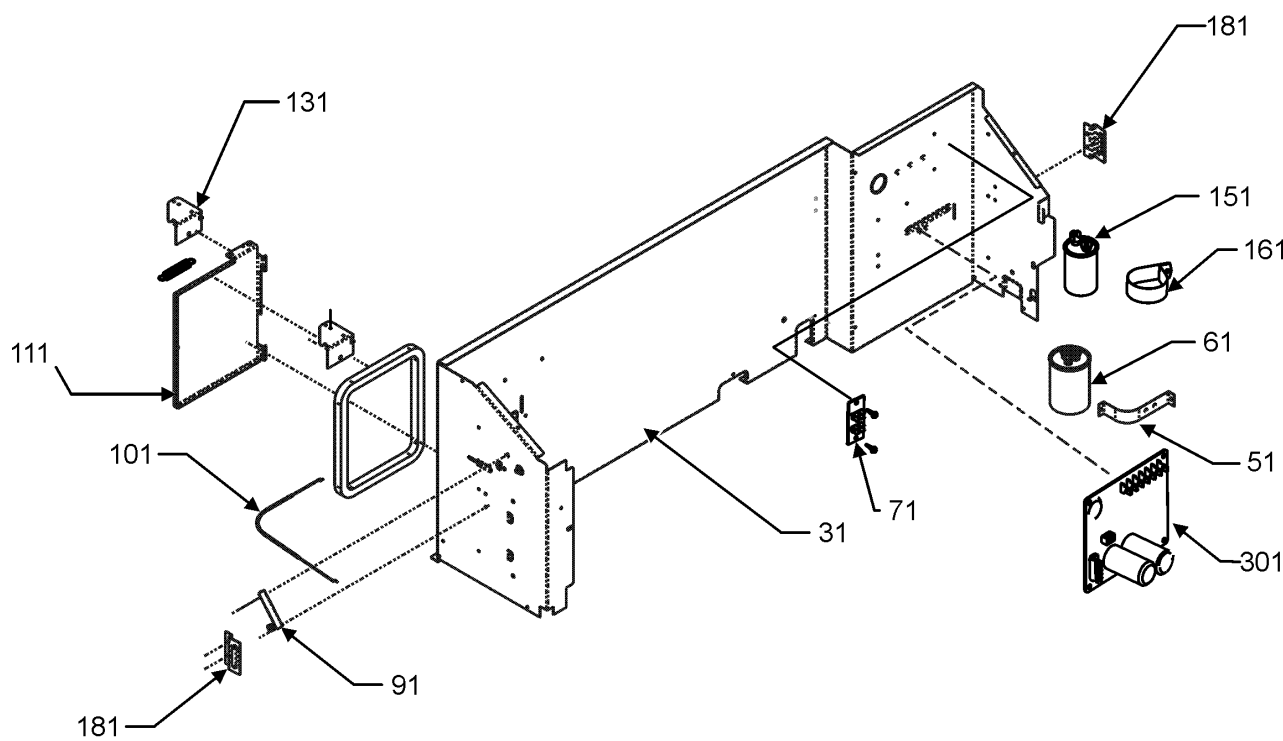
M3 - PTH123G50AXXXDA

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, CONDENSOR
21	0131P00030	FAN MOTOR, OUTDOOR DC
31	0121P00108	PANEL-PARTITION
41	0161P00055	FAN, CONDENSER
51	C6300502	CAPACITOR STRAP
61	CAP030300450CS	CAPACITOR, 500V
71	802007090	TERM BOARD
91	11046302	LEVER ARM
101	0163P00019	CABLE
111	0121P00177	VENT DOOR
131	0121P00072	BRACKET, VENT DOOR-C
151	CAP020000440RP	CAPACITOR 2/440V
161	0163P00029	CAPACITOR CLAMP
181	11191703	PARTITION PANEL BRACKET (QTY 2)
301	PCBEP101	VARIABLE SPEED TERMINAL BOARD (DDC CONTROL)

Expanded Model Nomenclature

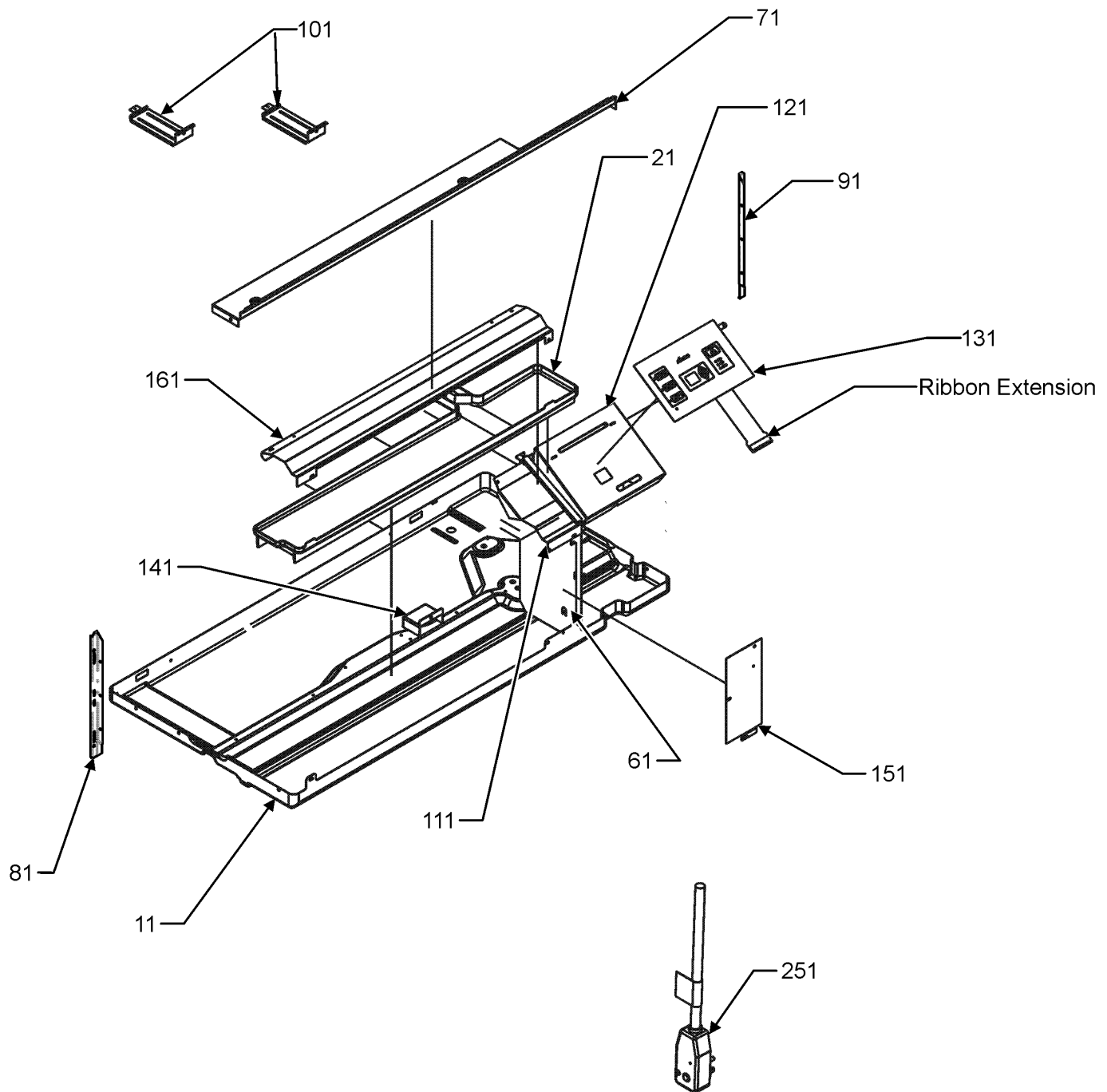
M1 - PTH123G25AXXXDA

M2 - PTH123G35AXXXDA

M3 - PTH123G50AXXXDA

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0121P00175DG	BASEPAN
21	0161P00044	PLASTIC-DRAIN PAN
61	20403301	MID PARTITION PANEL
71	0121P00063	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	0121P00129	COVER-CONTROL PANEL
131	RSKP0015	MEMBRANE KIT
141	0161P00016	PLASTIC-HOOD
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
251	0130P00112	CORD,250VAC,15A (LCD) (M1)
251	0130P00115	CORD,250VAC,20A (LCD) (M2)
251	0130P00118	CORD,250VAC,30A (LCD) (M3)
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

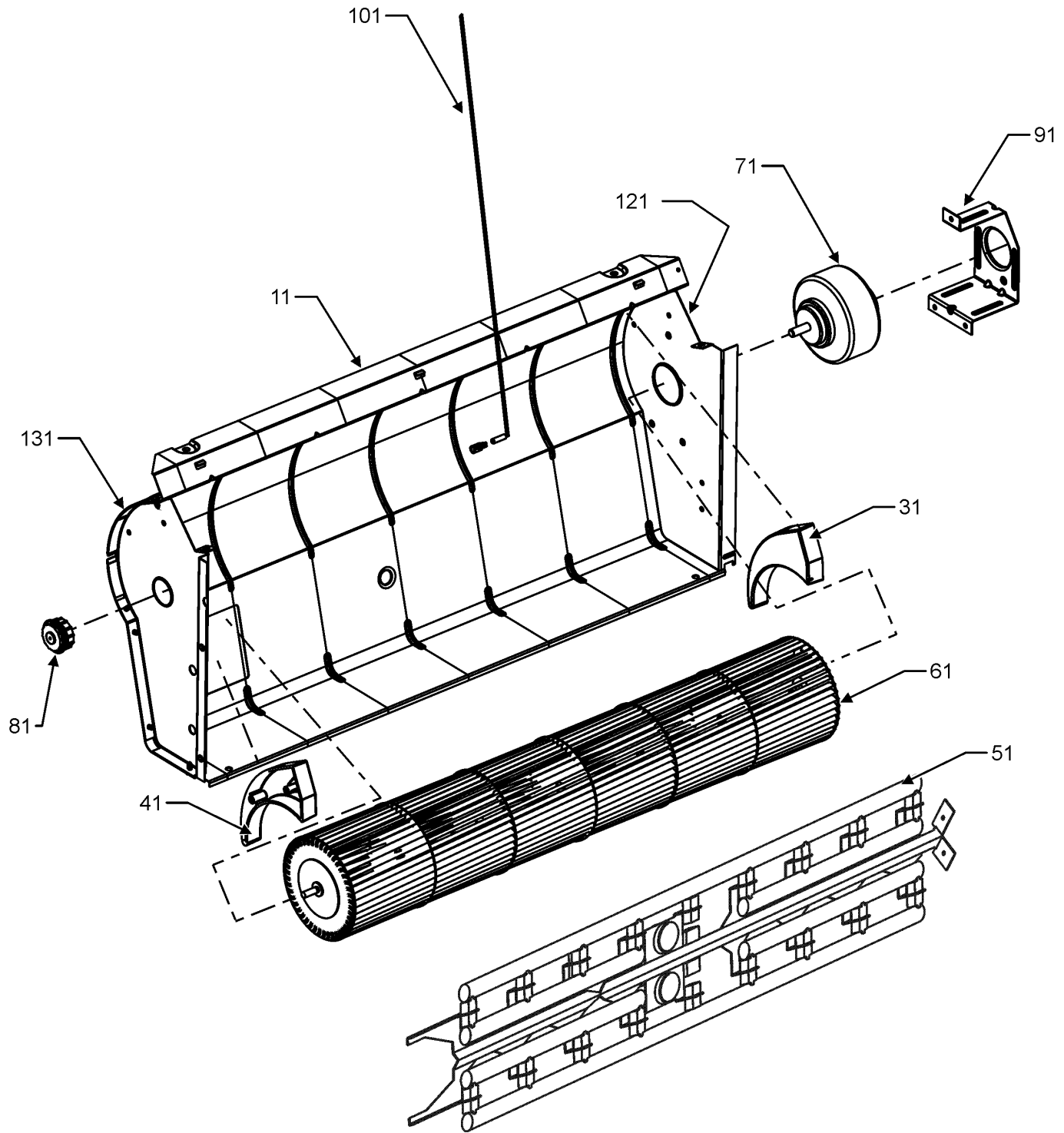
M1 - PTH123G25AXXXDA

M2 - PTH123G35AXXXDA

M3 - PTH123G50AXXXDA

Indoor Blower Motor Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Motor Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

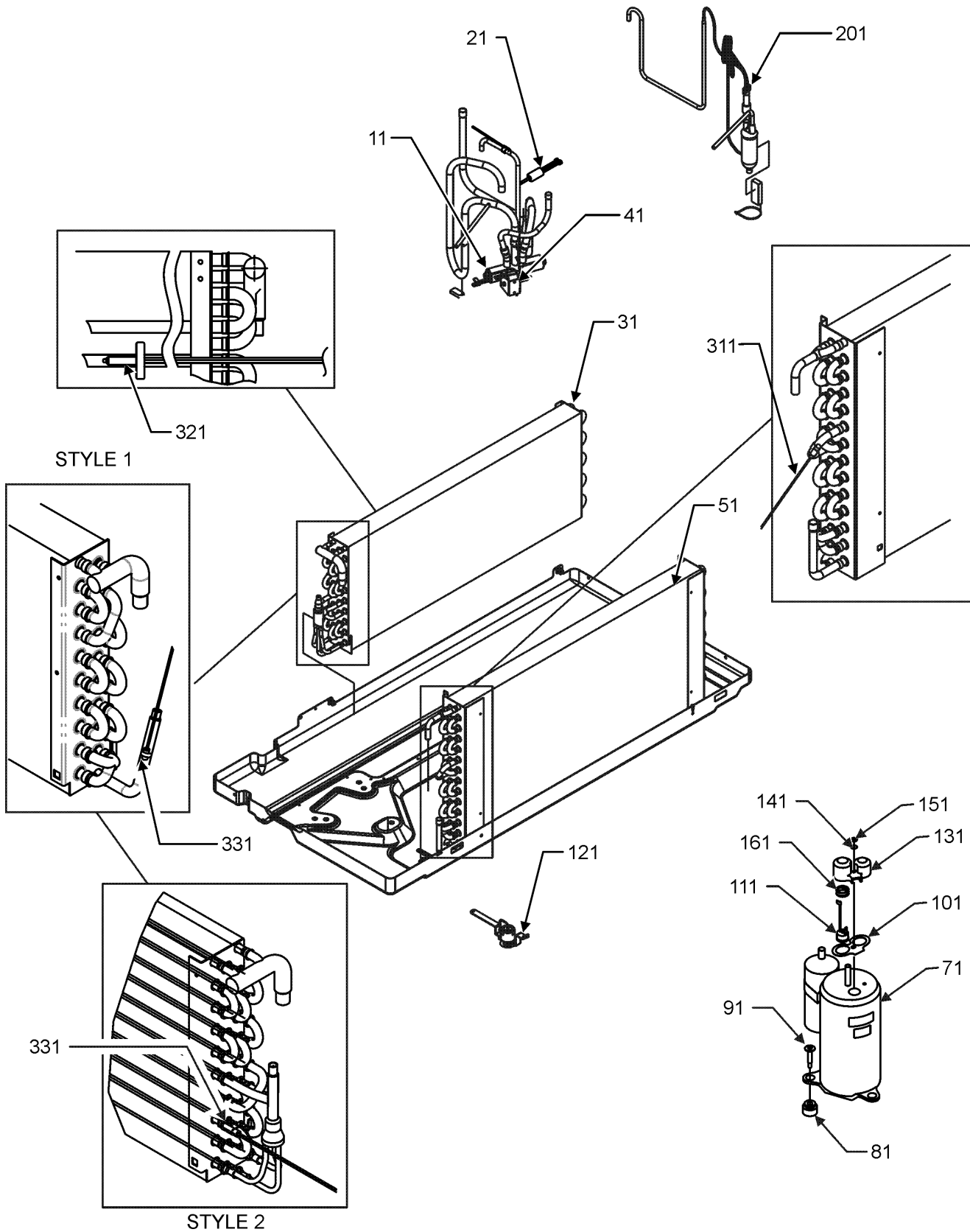
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M1)
51	0275P00038	HEATER ASSY (M2)
51	0275P00039	HEATER ASSY (M3)
61	0150P00004	WHEEL, BLOWER
71	0131P00035	FAN MOTOR, INDOOR (M1, M2)
71	0131P00036	FAN MOTOR, INDOOR (M3)
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR - DISCHARGE
121	0121P00059DG	ENDPLATE-RH SCROLL
131	0121P00215DG	ENDPLATE- LH SCROLL

Expanded Model Nomenclature

M1 - PTH123G25AXXXDA
M2 - PTH123G35AXXXDA
M3 - PTH123G50AXXXDA

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
71	44A282A		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	0130P00074		THERMISTOR
331	0130P00086		THERMISTOR - INDOOR COIL

Expanded Model Nomenclature

M1 - PTH123G25AXXXDA

M2 - PTH123G35AXXXDA

M3 - PTH123G50AXXXDA