

PTH153G Package Terminal Heat Pump

PTH153G15DXXXCB
PTH153G25AXXXCB
PTH153G25CQXXCB
PTH153G25CRXXCB
PTH153G25CXXXCB
PTH153G25DXXXCB
PTH153G25RXXXCB
PTH153G25VXXXCB
PTH153G35AXXXCB
PTH153G35CRXXCB
PTH153G35CXXXCB
PTH153G35DRXXCB
PTH153G35DXXXCB
PTH153G35PXXXCB
PTH153G35QRXXCB
PTH153G35QXXXCB
PTH153G35RVXXCB
PTH153G35RXXXCB
PTH153G35VXXXCB
PTH153G50AXXXCB
PTH153G50CXXXCB
PTH153G50DRXXCB
PTH153G50DXXXCB
PTH153G50PXXXCB
PTH153G50QXXXCB
PTH153G50RVXXCB
PTH153G50RXXXCB
PTH153G50VXXXCB



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This manual is to be used by qualified technicians only.

This manual replaces RP-A5033B.

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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:

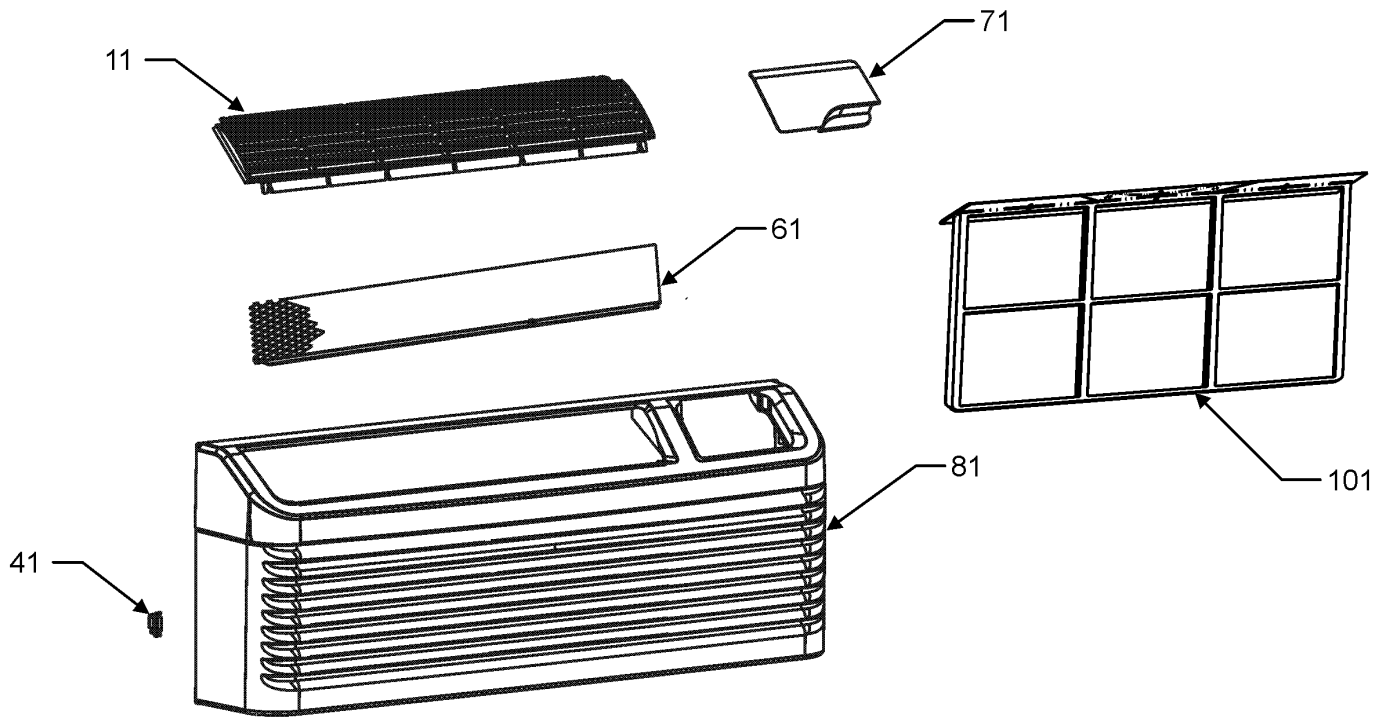
Expanded Model Nomenclature

20406303	BASE PAN VALVE (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M15, M16, M17, M18, M19, M20, M21, M22, M23, M25, M26, M27, M28)
CAP020000440RP	CAPACITOR 2/440V
CAP050300450CS	CAPACITOR 5/30/450V/DUAL RD
50A362Q	COMPRESSOR, RECHI
0163P00023	CONDENSATE PUMP (M14, M24)
0121P00077	CONDENSATE PUMP BRACKET (M14, M24)
RSKP0012	CONTROL BOARD M70
0130P00112	CORD,250VAC,15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8)
0130P00115	CORD,250VAC,20A (LCD) (M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19)
0130P00118	CORD,250VAC,30A (LCD) (M20, M21, M22, M23, M24, M25, M26, M27, M28)
0130M00178	DPDT RELAY 24VAC (M14, M24)
0131P00025	FAN MOTOR OUTDOOR
0131P00036	FAN MOTOR, INDOOR
0161P00055	FAN, CONDENSER
0275P00039	HEATER ASSY (M20, M21, M22, M23, M24, M25, M26, M27, M28)
0275P00038	HEATER ASSY (M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19)
0275P00022	HEATER ASSY (M1)
0275P00019	HEATER ASSY (M2, M3, M4, M5, M6, M7, M8)
RSKP0015	MEMBRANE KIT
0130P00137	MOTOR (M1, M6, M8, M12, M13, M17, M19, M22, M23, M26, M28)
60343546	OVERLOAD PROTECTOR
PCBCP140	PCB, CONTROL, D70 (M1, M6, M8, M12, M13, M17, M19, M22, M23, M26, M28)
0151P00000	REVERSING VALVE ASSY-230V
0130P00022	REVERSING VALVE COIL
0130M00169	SWITCH, HIGH PRESS
802007090	TERMINAL BOARD
0130P00074	THERMISTOR
0130P00134	THERMISTOR - DISCHARGE
0130P00077	THERMISTOR - INDOOR (M4, M7, M10, M12, M15, M17, M18, M22, M26, M27)
0130P00086	THERMISTOR - INDOOR COIL
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M4, M7, M10, M12, M14, M15, M17, M18, M22, M24, M26, M27)
0130P00093	THERMISTOR, .375 CLIP, BLUE
0130M00150	Trans.,40VA, 240V/208V to 120V (M14, M24)
0130M00329	TRANSFORMER 20VA 60HZ (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M15, M16, M17, M18, M19, M20, M21, M22, M23, M25, M26, M27, M28)
0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (M1, M6, M8, M12, M13, M14, M17, M19, M22, M23, M24, M26, M28)

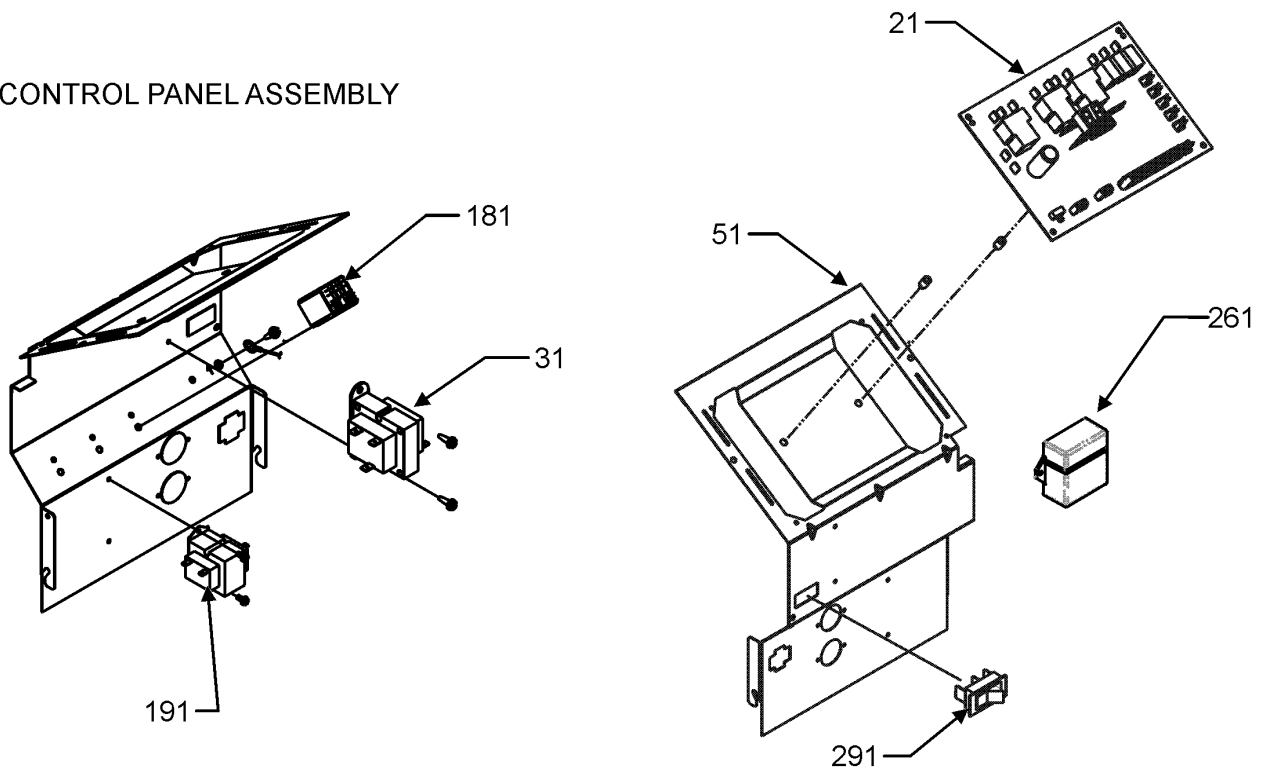
M1 - PTH153G15DXXXCB
M2 - PTH153G25AXXXCB
M3 - PTH153G25CQXXCB
M4 - PTH153G25CRXXCB
M5 - PTH153G25CXXXCB
M6 - PTH153G25DXXXCB
M7 - PTH153G25RXXXCB
M8 - PTH153G25VXXXCB
M9 - PTH153G35AXXXCB
M10 - PTH153G35CRXXCB
M11 - PTH153G35CXXXCB
M12 - PTH153G35DRXXCB
M13 - PTH153G35DXXXCB
M14 - PTH153G35PXXXCB
M15 - PTH153G35QRXXCB
M16 - PTH153G35QXXXCB
M17 - PTH153G35RVXXCB
M18 - PTH153G35RXXXCB
M19 - PTH153G35VXXXCB
M20 - PTH153G50AXXXCB
M21 - PTH153G50CXXXCB
M22 - PTH153G50DRXXCB
M23 - PTH153G50DXXXCB
M24 - PTH153G50PXXXCB
M25 - PTH153G50QXXXCB
M26 - PTH153G50RVXXCB
M27 - PTH153G50RXXXCB
M28 - PTH153G50VXXXCB

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:

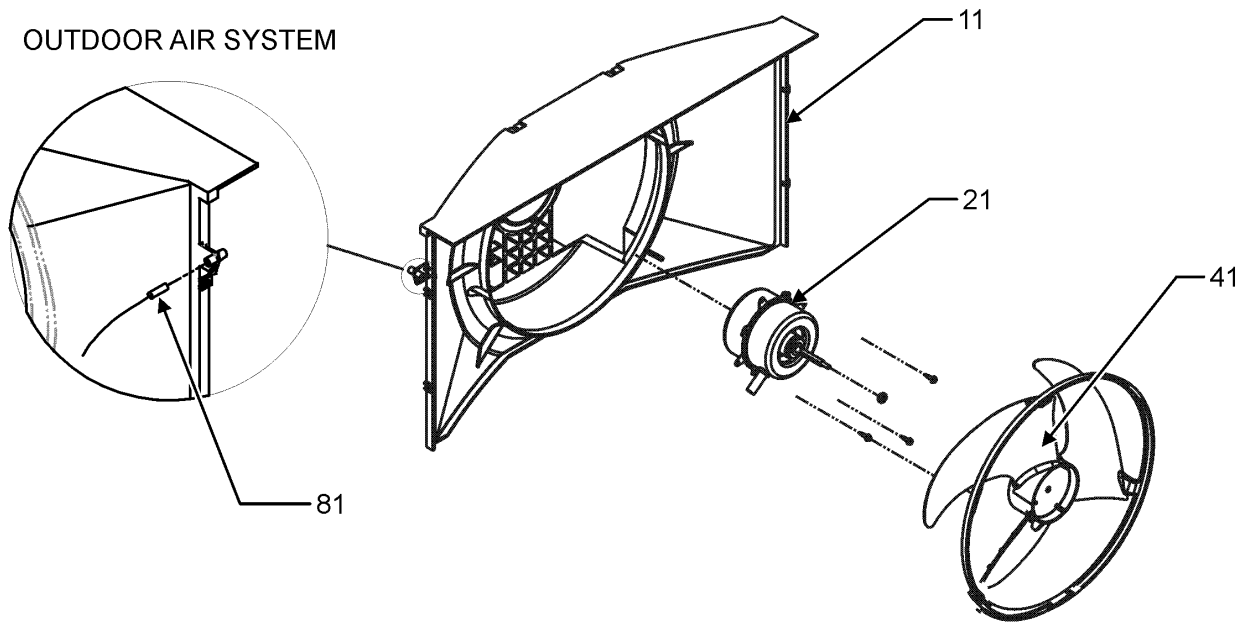
11	0161P00048	FRONT-DICHARGE LOUVERS
21	RSKP0012	CONTROL BOARD M70
31	0130M00150	Trans.,40VA, 240V/208V to 120V (M14, M24)
31	0130M00329	TRANSFORMER 20VA 60HZ (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M15, M16, M17, M18, M19, M20, M21, M22, M23, M25, M26, M27, M28)
41	0163P00025	CLIP (QTY 2)
51	0121P00130	PANEL, CONTROL
61	0121P00073	SCREEN, DISCHARGE
71	0261P00003	DOOR ASSY -AMANA-
81	0261P00011	FRONT ASSY
101	0161P00035	FILTER, RACK (QTY 2)
181	0130M00178	DPDT RELAY 24VAC (M14, M24)
191	0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (M1, M6, M8, M12, M13, M14, M17, M19, M22, M23, M24, M26, M28)
261	0130P00104	ANTENNA (DIGITENNA) (M4, M7, M10, M12, M15, M17, M18, M22, M26, M27)
291	B1337701	PADDLE SWITCH (M1, M6, M8, M12, M13, M17, M19, M22, M23, M26, M28)
NS	PCBCP140	PCB, CONTROL, D70 (M1, M6, M8, M12, M13, M17, M19, M22, M23, M26, M28)

Expanded Model Nomenclature

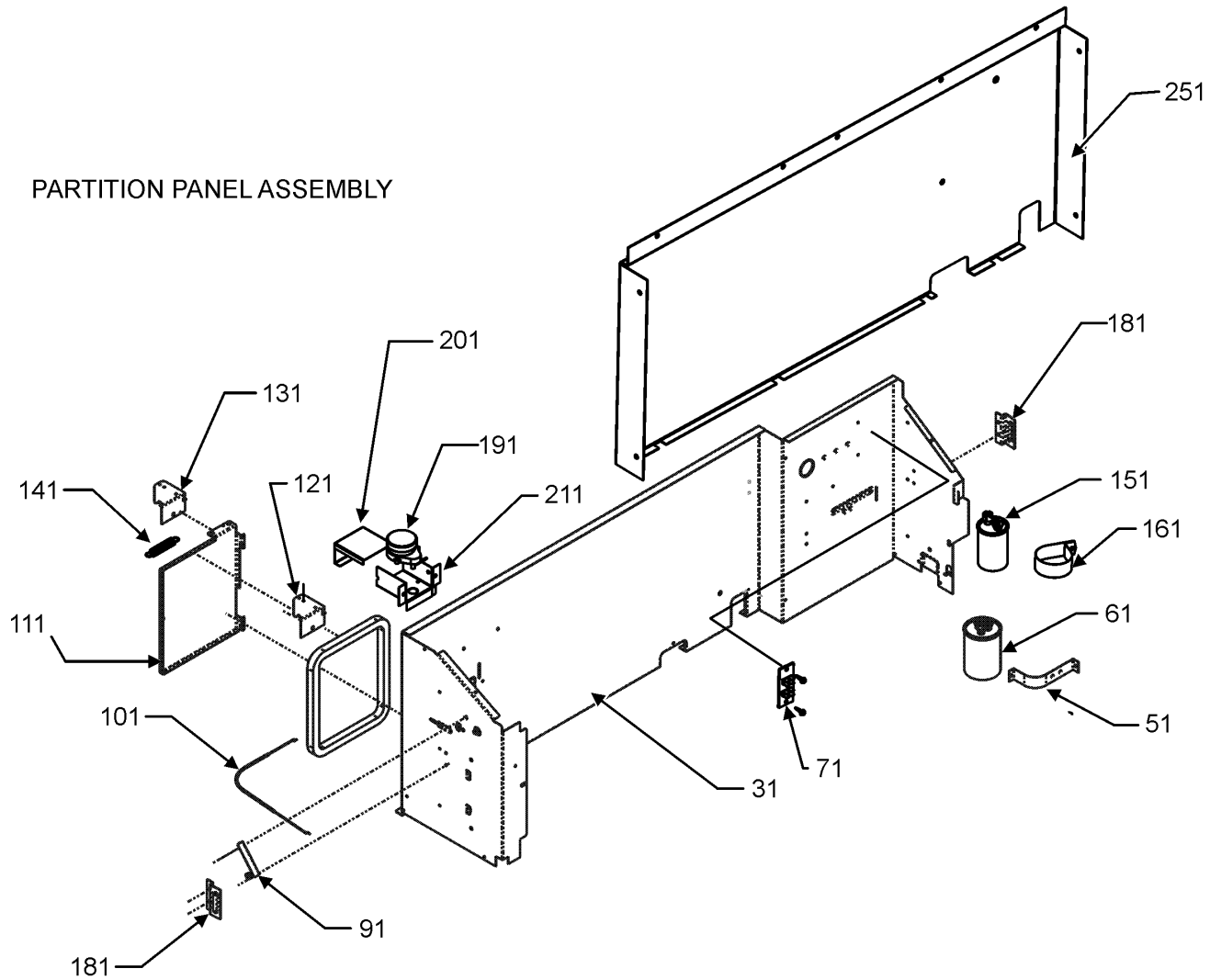
M1 - PTH153G15DXXXCB
M2 - PTH153G25AAXXXCB
M3 - PTH153G25CQXXCB
M4 - PTH153G25CRXXCB
M5 - PTH153G25CAXXXCB
M6 - PTH153G25DAXXXCB
M7 - PTH153G25RAXXXCB
M8 - PTH153G25VAXXXCB
M9 - PTH153G35AAXXXCB
M10 - PTH153G35CRXXCB
M11 - PTH153G35CAXXXCB
M12 - PTH153G35DRXXCB
M13 - PTH153G35DAXXXCB
M14 - PTH153G35PAXXXCB
M15 - PTH153G35QRXXCB
M16 - PTH153G35QAXXXCB
M17 - PTH153G35RVXXCB
M18 - PTH153G35RAXXXCB
M19 - PTH153G35VAXXXCB
M20 - PTH153G50AAXXXCB
M21 - PTH153G50CAXXXCB
M22 - PTH153G50DRXXCB
M23 - PTH153G50DAXXXCB
M24 - PTH153G50PAXXXCB
M25 - PTH153G50QAXXXCB
M26 - PTH153G50RVXXCB
M27 - PTH153G50RAXXXCB
M28 - PTH153G50VAXXXCB

Outdoor Air System and Partition Panel

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY

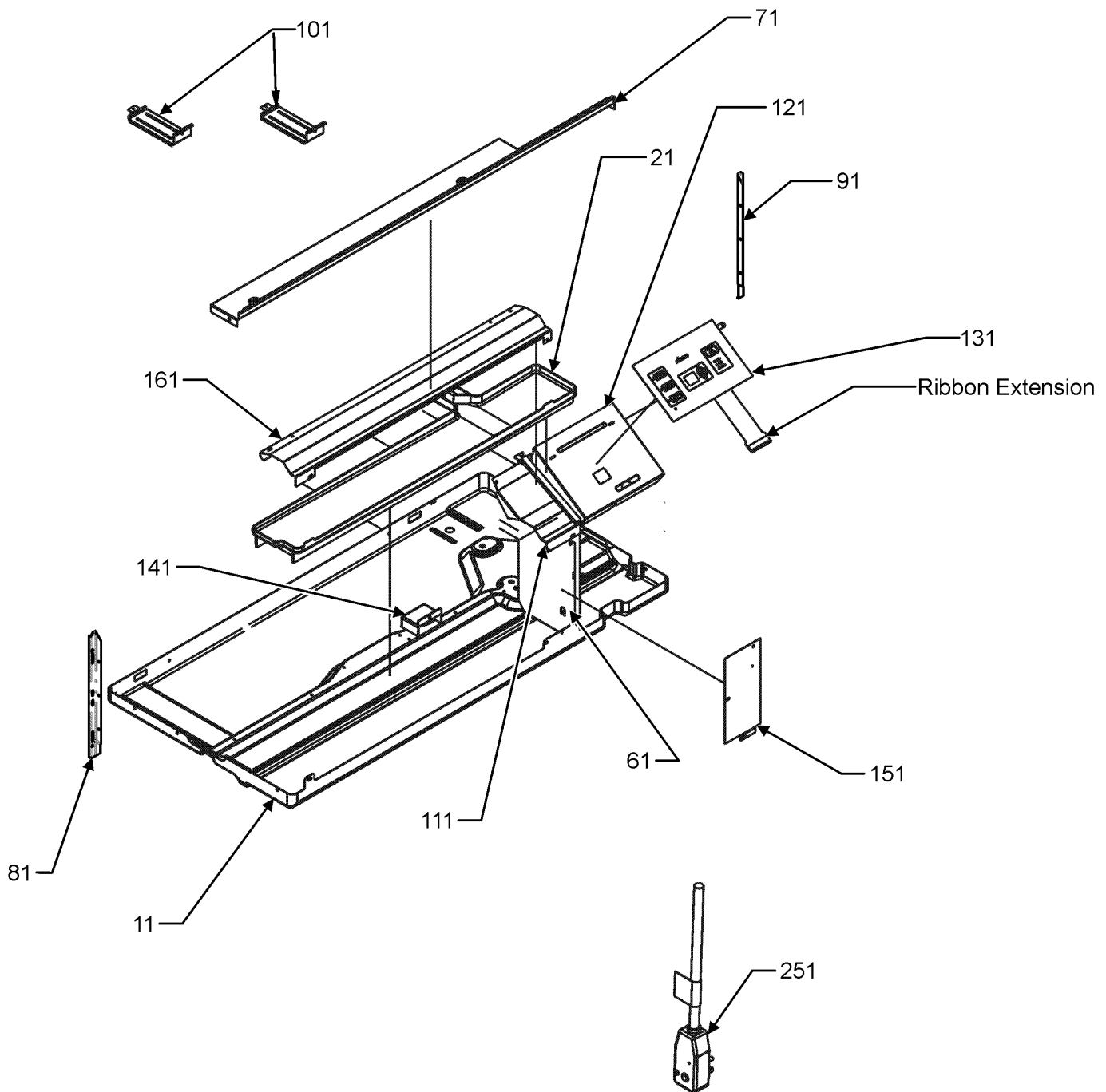


Outdoor Air System and Partition Panel

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00053	SHROUD, CONDENSER	M1 - PTH153G15DXXXCB
21	0131P00025	FAN MOTOR OUTDOOR	M2 - PTH153G25AXXXCB
31	0121P00093NG	PANEL-PARTITION (M3, M15, M16, M25)	M3 - PTH153G25CQXXXCB
31	0121P00108NG	PANEL-PARTITION (M1, M2, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M17, M18, M19, M20, M21, M22, M23, M24, M26, M27, M28)	M4 - PTH153G25CRXXXCB
41	0161P00055	FAN, CONDENSER	M5 - PTH153G25CXXXCB
51	C6300502	CAPACITOR STRAP	M6 - PTH153G25DXXXCB
61	CAP050300450CS	CAPACITOR 5/30/450V/DUAL RD	M7 - PTH153G25RXXXCB
71	802007090	TERMINAL BOARD	M8 - PTH153G25VXXXCB
81	0130P00098	THERMISTOR - OUTDOOR AMBIENT (M4, M7, M10, M12, M14, M15, M17, M18, M22, M24, M26, M27)	M9 - PTH153G35AXXXCB
91	11046302	LEVER ARM (M2, M4, M5, M7, M9, M10, M11, M14, M18, M20, M21, M24, M27)	M10 - PTH153G35CRXXXCB
101	0163P00019	CABLE (M2, M4, M5, M7, M9, M10, M11, M14, M18, M20, M21, M24, M27)	M11 - PTH153G35CXXXCB
111	0121P00177NG	DOOR - PNT VENT PTC (M1, M2, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M17, M18, M19, M20, M21, M22, M23, M24, M26, M27, M28)	M12 - PTH153G35DRXXXCB
121	0121P00079	BRACKET, VENT DOOR (M1, M6, M8, M12, M13, M17, M19, M22, M23, M26, M28)	M13 - PTH153G35DXXXCB
131	0121P00072NG	BRACKET, VENT DOOR-C (M2, M4, M5, M7, M9, M10, M11, M14, M18, M20, M21, M24, M27)	M14 - PTH153G35PXXXCB
141	11166401	EXTENSION SPRING (M1, M6, M8, M12, M13, M17, M19, M22, M23, M26, M28)	M15 - PTH153G35QRXXXCB
151	CAP020000440RP	CAPACITOR 2/440V	M16 - PTH153G35QXXXCB
161	0163P00029	CAPACITOR CLAMP	M17 - PTH153G35RVXXXCB
181	11191703	PARTITION PANEL BRACKET (QTY 2)	M18 - PTH153G35RXXXCB
191	0130P00137	MOTOR (M1, M6, M8, M12, M13, M17, M19, M22, M23, M26, M28)	M19 - PTH153G35VXXXCB
201	11166201	POWER VENT COVER BRACKET (M1, M6, M8, M12, M13, M17, M19, M22, M23, M26, M28)	M20 - PTH153G50AXXXCB
211	11166101	POWER VENT MOTOR BRACKET (M1, M6, M8, M12, M13, M17, M19, M22, M23, M26, M28)	M21 - PTH153G50CXXXCB
251	0121P00091NG	PANEL-AUXILLIARY (M3, M15, M16, M25)	M22 - PTH153G50DRXXXCB
NS	0163P00023	CONDENSATE PUMP (M14, M24)	M23 - PTH153G50DXXXCB
NS	0121P00077	CONDENSATE PUMP BRACKET (M14, M24)	M24 - PTH153G50PXXXCB
			M25 - PTH153G50QXXXCB
			M26 - PTH153G50RVXXXCB
			M27 - PTH153G50RXXXCB
			M28 - PTH153G50VXXXCB

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

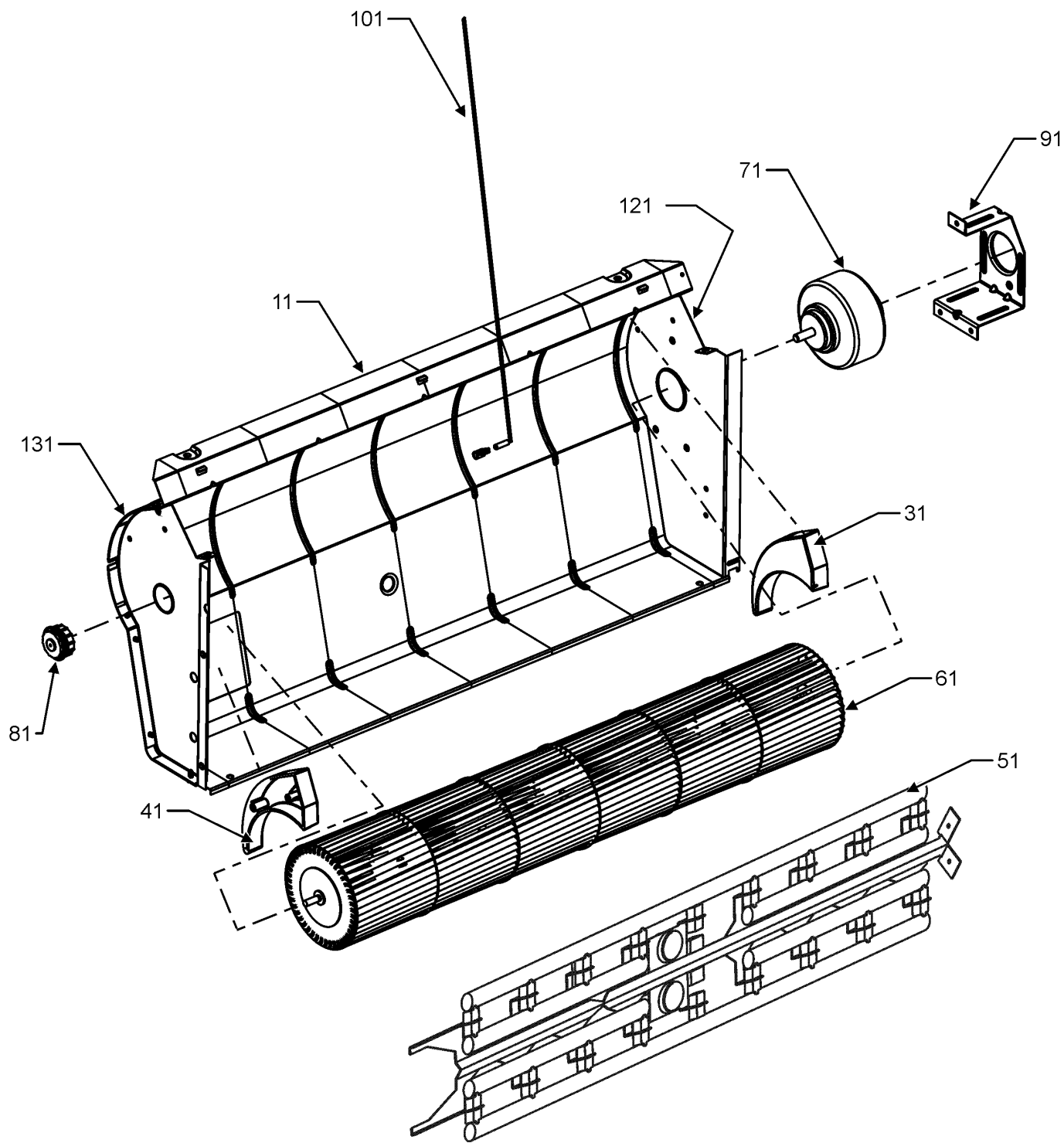
11	0121P00175DG	BASE PAN (M1, M2, M6, M7, M8, M9, M12, M13, M14, M15, M16, M17, M18, M19, M20, M22, M23, M24, M25, M26, M27, M28)
11	0121P00175NG	BASE PAN (M3, M4, M5, M10, M11, M21)
21	0161P00044	PLASTIC-DRAIN PAN
61	20403301	MID PARTITION PANEL
71	0121P00063NG	TOP, PARTITION PANEL
81	0121P00197	SEAL-L 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, M2, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M17, M18, M19, M20, M21, M22, M23, M24, M26, M27, M28)
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
251	0130P00112	CORD,250VAC,15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8)
251	0130P00115	CORD,250VAC,20A (LCD) (M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19)
251	0130P00118	CORD,250VAC,30A (LCD) (M20, M21, M22, M23, M24, M25, M26, M27, M28)
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTH153G15DXXXCB
M2 - PTH153G25AXXXCB
M3 - PTH153G25CQXXXCB
M4 - PTH153G25CRXXXCB
M5 - PTH153G25CXXXCB
M6 - PTH153G25DXXXCB
M7 - PTH153G25RXXXCB
M8 - PTH153G25VXXXCB
M9 - PTH153G35AXXXCB
M10 - PTH153G35CRXXXCB
M11 - PTH153G35CXXXCB
M12 - PTH153G35DRXXXCB
M13 - PTH153G35DXXXCB
M14 - PTH153G35PXXXCB
M15 - PTH153G35QRXXXCB
M16 - PTH153G35QXXXCB
M17 - PTH153G35RVXXXCB
M18 - PTH153G35RXXXCB
M19 - PTH153G35VXXXCB
M20 - PTH153G50AXXXCB
M21 - PTH153G50CXXXCB
M22 - PTH153G50DRXXXCB
M23 - PTH153G50DXXXCB
M24 - PTH153G50PXXXCB
M25 - PTH153G50QXXXCB
M26 - PTH153G50RVXXXCB
M27 - PTH153G50RXXXCB
M28 - PTH153G50VXXXCB

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:

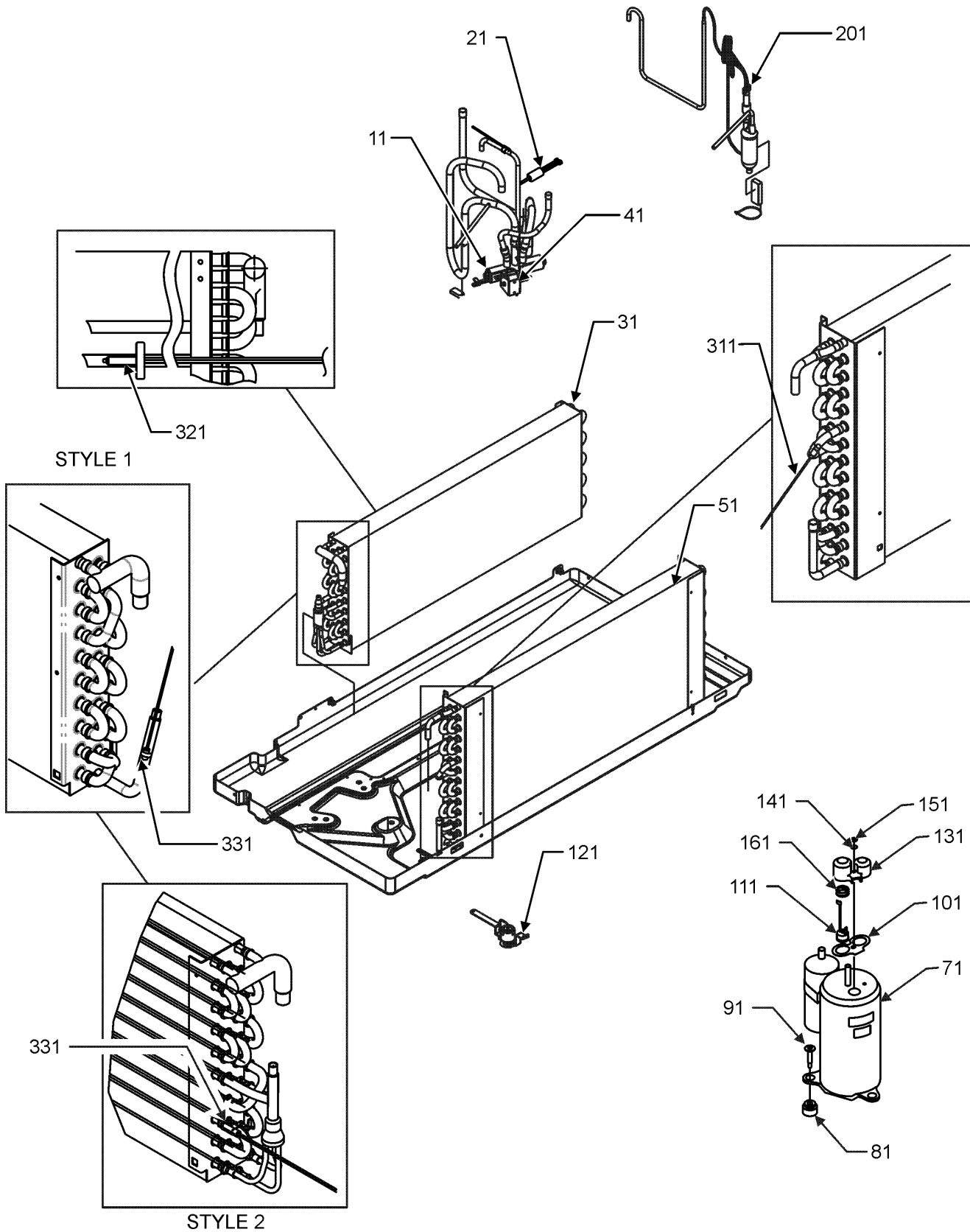
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M2, M3, M4, M5, M6, M7, M8)
51	0275P00022	HEATER ASSY (M1)
51	0275P00038	HEATER ASSY (M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19)
51	0275P00039	HEATER ASSY (M20, M21, M22, M23, M24, M25, M26, M27, M28)
61	0150P00004	WHEEL, BLOWER
71	0131P00036	FAN MOTOR, INDOOR
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 - PTH153G15DXXCB
 M2 - PTH153G25AXXXCB
 M3 - PTH153G25CQXXCB
 M4 - PTH153G25CRXXCB
 M5 - PTH153G25CXXCB
 M6 - PTH153G25DXXCB
 M7 - PTH153G25RXXCB
 M8 - PTH153G25VXXCB
 M9 - PTH153G35AXXXCB
 M10 - PTH153G35CRXXCB
 M11 - PTH153G35CXXCB
 M12 - PTH153G35DRXXCB
 M13 - PTH153G35DXXCB
 M14 - PTH153G35PXXCB
 M15 - PTH153G35QRXXCB
 M16 - PTH153G35QXXCB
 M17 - PTH153G35RVXXCB
 M18 - PTH153G35RXXCB
 M19 - PTH153G35VXXCB
 M20 - PTH153G50AXXXCB
 M21 - PTH153G50CXXCB
 M22 - PTH153G50DRXXCB
 M23 - PTH153G50DXXCB
 M24 - PTH153G50PXXCB
 M25 - PTH153G50QXXCB
 M26 - PTH153G50RVXXCB
 M27 - PTH153G50RXXCB
 M28 - PTH153G50VXXCB

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	0201P00079	CONDENSER ASSY (M1, M2, M6, M7, M8, M9, M12, M13, M14, M15, M16, M17, M18, M19, M20, M22, M23, M24, M25, M26, M27, M28)
61	0130P00077	THERMISTOR - INDOOR (M4, M7, M10, M12, M15, M17, M18, M22, M26, M27)
71	50A362Q	COMPRESSOR, RECHI
81	60140209	GROMMET - RECHI COMPRESSOR (QTY 3)
91	M0253610	SHOULDER SCREW (QTY 3)
101	60100103	TERMINAL GASKET
111	60343546	OVERLOAD PROTECTOR
121	20406303	BASE PAN VALVE (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M15, M16, M17, M18, M19, M20, M21, M22, M23, M25, M26, M27, M28)
131	60100314	TERMINAL COVER - RECHI COMP
141	60100201	WASHER - RECHI COMPRESSOR
151	60100401	TERMINAL NUT - RECHI COMP
161	60500101	OLP SPRING - RECHI COMPRESSOR
201	0210P00152	CAPILLARY WELDMENT
311	0130P00093	THERMISTOR, .375 CLIP, BLUE
321	0130P00074	THERMISTOR
331	0130P00086	THERMISTOR - INDOOR COIL
NS	BT1392310	PLASTIC CLAMP, .1875 DIA (M1, M6, M8, M12, M13, M17, M19, M22, M23, M26, M28)

Expanded Model Nomenclature

M1 - PTH153G15DXXXCB
M2 - PTH153G25AXXXCB
M3 - PTH153G25CQXXXCB
M4 - PTH153G25CRXXXCB
M5 - PTH153G25CXXXCB
M6 - PTH153G25DXXXCB
M7 - PTH153G25RXXXCB
M8 - PTH153G25VXXXCB
M9 - PTH153G35AXXXCB
M10 - PTH153G35CRXXXCB
M11 - PTH153G35CXXXCB
M12 - PTH153G35DRXXXCB
M13 - PTH153G35DXXXCB
M14 - PTH153G35PXXXCB
M15 - PTH153G35QRXXXCB
M16 - PTH153G35QXXXCB
M17 - PTH153G35RVXXXCB
M18 - PTH153G35RXXXCB
M19 - PTH153G35VXXXCB
M20 - PTH153G50AXXXCB
M21 - PTH153G50CXXXCB
M22 - PTH153G50DRXXXCB
M23 - PTH153G50DXXXCB
M24 - PTH153G50PXXXCB
M25 - PTH153G50QXXXCB
M26 - PTH153G50RVXXXCB
M27 - PTH153G50RXXXCB
M28 - PTH153G50VXXXCB