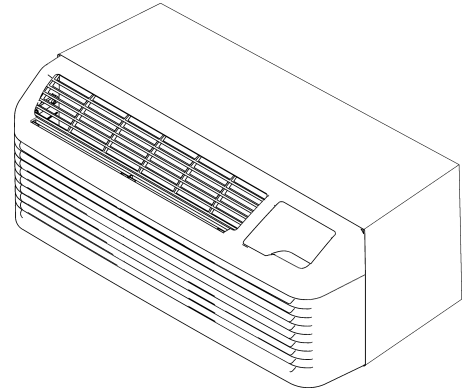


PTH093E Package Terminal Heat Pump

PTH093E25AXXXAB
PTH093E25AXXXAC
PTH093E25CXXXAC
PTH093E25RXXXAB
PTH093E35AXXXAB
PTH093E35AXXXAC
PTH093E35CRXXAB
PTH093E35CRXXAC
PTH093E35CXXXAB
PTH093E35CXXXAC
PTH093E35DRXXAB
PTH093E35DXXXAB
PTH093E35PXXXAB
PTH093E35QRXXAB
PTH093E35QRXXAC
PTH093E35QXXXAC
PTH093E35RXXXAB
PTH093E35VXXXAB
PTH093E50AXXXAC
PTH093E50CXXXAC
PTH093E50DXXXAB
PTH093E50VXXXAB
PTH093E50VXXXAC



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This manual is to be used by qualified technicians only.

This manual replaces RP-675B.

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Important Information

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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:

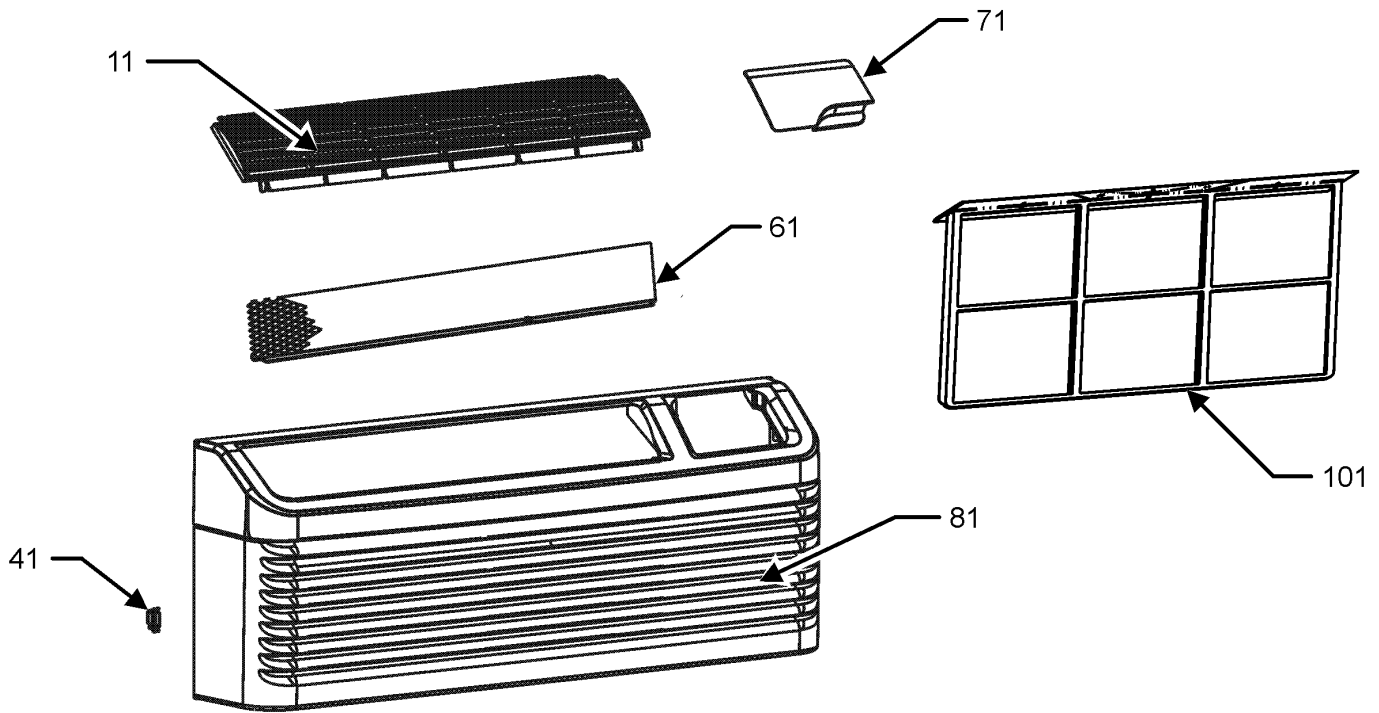
Expanded Model Nomenclature

20406303	BASE PAN VALVE
CAP020250450CS	CAPACITOR 2/25/450V/DUAL RD (M2, M3, M6, M8, M10, M15, M16, M19, M20, M23)
CAP020000440RP	CAPACITOR 2/440V
CAP030250440RS	CAPACITOR 3/25/440V/DUAL RD (M1, M4, M5, M7, M9, M11, M12, M13, M14, M17, M18, M21, M22)
44A202A	COMPRESSOR, RECHI
0163P00023	CONDENSATE PUMP (M13)
0121P00077	CONDENSATE PUMP BRACKET (M13)
RSKP0010	CONTROL BOARD M61
RSKP0005	CONTROL PANEL COVER AND MEMBRANE
0130P00059	CORD, 250VAC, 15A (LCD) (M1, M2, M3, M4)
0130P00058	CORD, 250VAC, 20A (LCD) (M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18)
0131P00035	FAN MOTOR, INDOOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18)
0131P00055	FAN MOTOR, INDOOR (M19, M20, M21, M22, M23)
0131P00027	FAN MOTOR, OUTDOOR (M2, M3, M6, M8, M10, M15, M16, M19, M20, M23)
0131P00014	FAN MOTOR, OUTDOOR (M1, M4, M5, M7, M9, M11, M12, M13, M14, M17, M18, M21, M22)
0161P00055	FAN, CONDENSER
0275P00039	HEATER ASSY (M19, M20, M21, M22, M23)
0275P00038	HEATER ASSY (M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18)
0275P00019	HEATER ASSY (M1, M2, M3, M4)
0130P00137	MOTOR (M11, M12, M18, M21, M22, M23)
60343539	OVERLOAD PROTECTOR
0130M00096	RELAY (M2, M3, M6, M8, M10, M15, M16, M19, M20, M23)
C8873917	RELAY (HYDRONIC) (M13)
C8873932	RELAY (POWER VENT) (M11, M12, M18, M21, M22, M23)
0130M00169	SWITCH, HIGH PRESS
0130P00074	THERMISTOR (M2, M3, M6, M8, M10, M15, M16, M19, M20, M23)
20295711	THERMISTOR (M1, M4, M5, M7, M9, M11, M12, M13, M14, M17, M18, M21, M22)
0130P00134	THERMISTOR - DISCHARGE
0130P00077	THERMISTOR - INDOOR (M4, M7, M8, M11, M14, M15, M17)
0130P00047	THERMISTOR - INDOOR AMBIENT (M1, M4, M5, M7, M9, M11, M12, M13, M14, M17, M18, M21, M22)
0130P00086	THERMISTOR - INDOOR COIL (M2, M3, M6, M8, M10, M15, M16, M19, M20, M23)
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M4, M7, M8, M11, M14, M15, M17)
0130P00093	THERMISTOR, .375 CLIP, BLUE (M2, M3, M6, M8, M10, M15, M16, M19, M20, M23)
0130P00033	THERMISTOR-INDOOR COIL (M1, M4, M5, M7, M9, M11, M12, M13, M14, M17, M18, M21, M22)
0130M00150	Trans.,40VA, 240V/208V to 120V (M13)
0130M00329	TRANSFORMER 20VA 60HZ
0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (M11, M12, M18, M21, M22, M23)

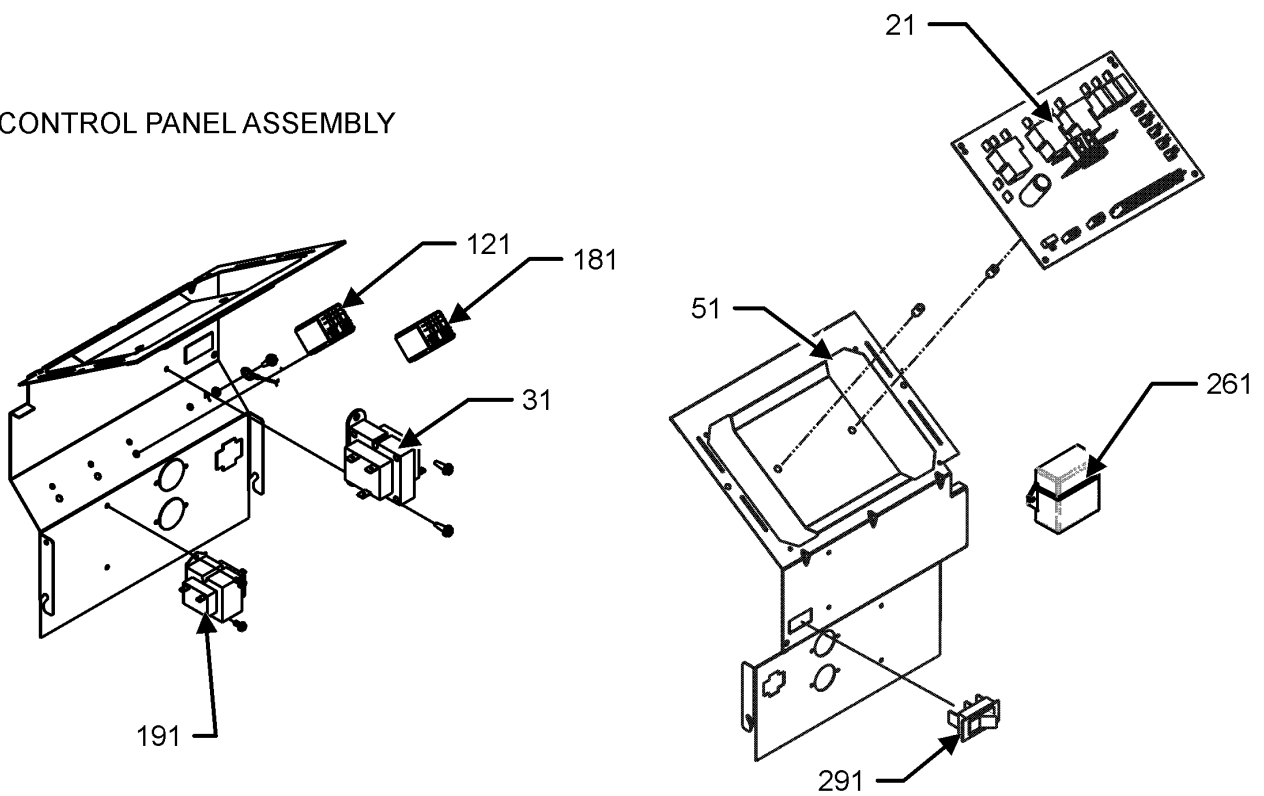
M1 - PTH093E25AXXXAB
M2 - PTH093E25AXXXAC
M3 - PTH093E25CXXXAC
M4 - PTH093E25RXXXAB
M5 - PTH093E35AXXXAB
M6 - PTH093E35AXXXAC
M7 - PTH093E35CRXXAB
M8 - PTH093E35CRXXAC
M9 - PTH093E35CXXXAB
M10 - PTH093E35CXXXAC
M11 - PTH093E35DRXXAB
M12 - PTH093E35DXXXAB
M13 - PTH093E35PXXXAB
M14 - PTH093E35QRXXAB
M15 - PTH093E35QRXXAC
M16 - PTH093E35QXXXAC
M17 - PTH093E35RXXXAB
M18 - PTH093E35VXXXAB
M19 - PTH093E50AXXXAC
M20 - PTH093E50CXXXAC
M21 - PTH093E50DXXXAB
M22 - PTH093E50VXXXAB
M23 - PTH093E50VXXXAC

Front Panel and Control Panel Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY



Front Panel and Control Panel Assembly

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

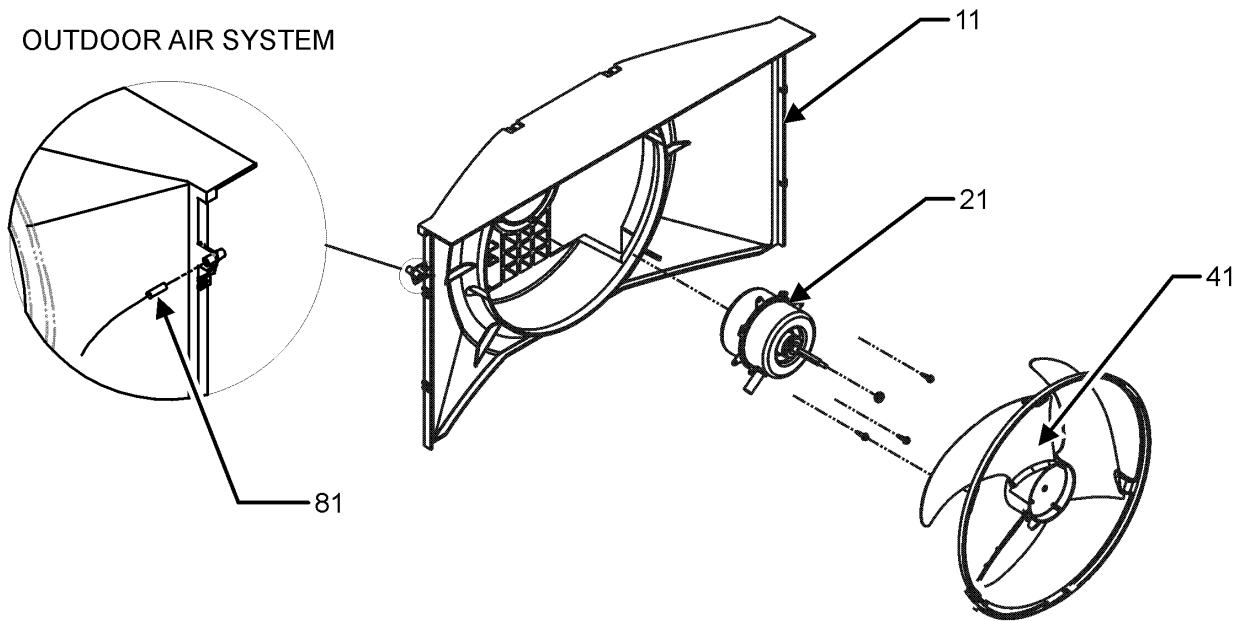
11	0161P00048	FRONT-DICHARGE LOUVERS
21	RSKP0010	CONTROL BOARD M61
31	0130M00329	TRANSFORMER 20VA 60HZ
41	0163P00025	CLIP (QTY 2)
51	0121P00130	PANEL, CONTROL
61	0121P00073	SCREEN, DISCHARGE
71	0261P00003	DOOR ASSY -AMANA-
81	0261P00011	FRONT ASSY
101	0161P00035	FILTER, RACK (QTY 2)
121	0130M00096	RELAY (M2, M3, M6, M8, M10, M15, M16, M19, M20, M23)
121	C8873917	RELAY (HYDRONIC) (M13)
181	C8873932	RELAY (POWER VENT) (M11, M12, M18, M21, M22, M23)
191	0130M00150	Trans.,40VA, 240V/208V to 120V (M13)
191	0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (M11, M12, M18, M21, M22, M23)
261	0130P00104	ANTENNA (DIGITENNA) (M4, M7, M8, M11, M14, M15, M17)
291	B1337701	PADDLE SWITCH (M11, M12, M18, M21, M22, M23)

Expanded Model Nomenclature

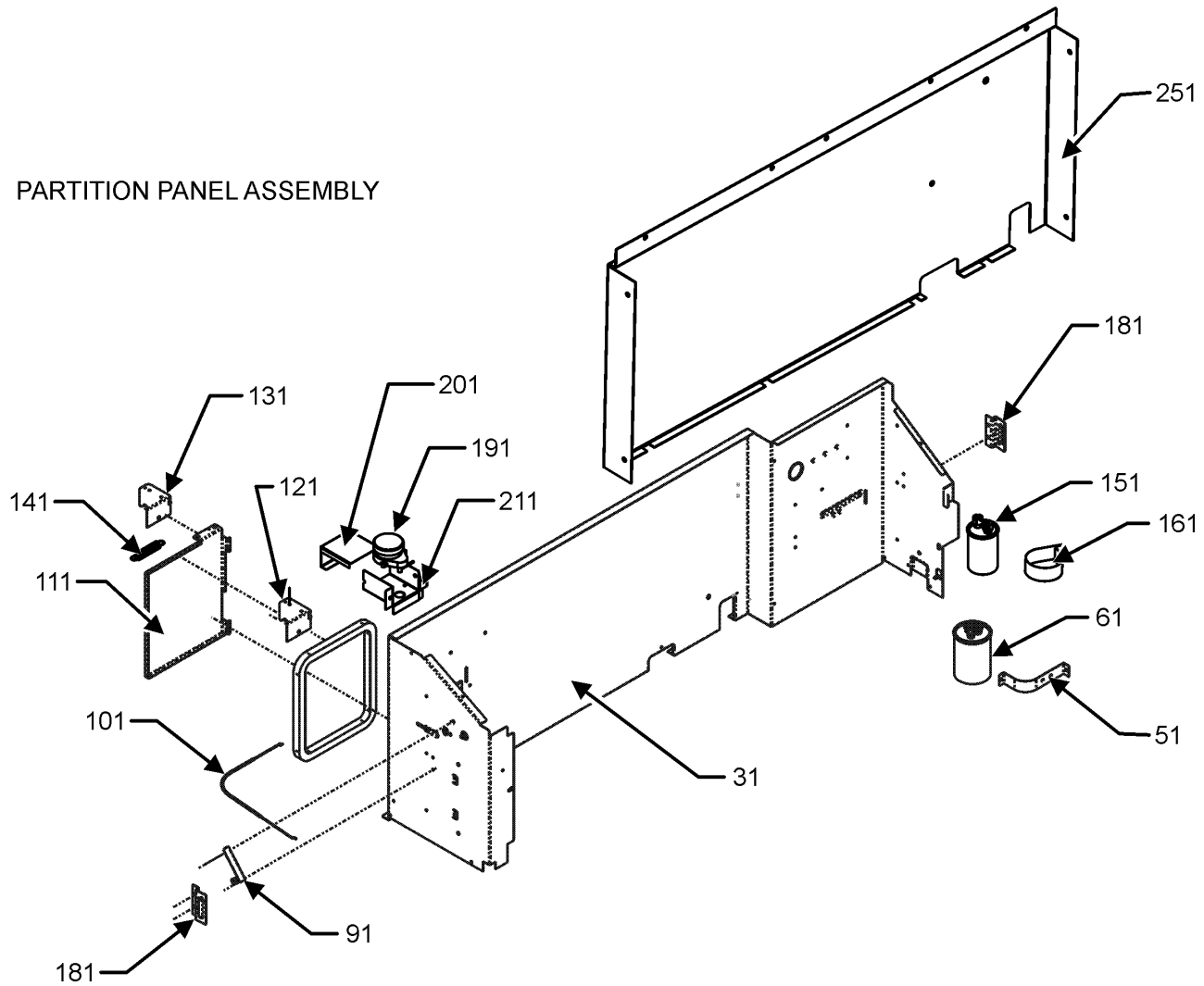
M1 - PTH093E25AXXXAB
 M2 - PTH093E25AXXXAC
 M3 - PTH093E25CXXXAC
 M4 - PTH093E25RXXXAB
 M5 - PTH093E35AXXXAB
 M6 - PTH093E35AXXXAC
 M7 - PTH093E35CRXXAB
 M8 - PTH093E35CRXXAC
 M9 - PTH093E35CXXXAB
 M10 - PTH093E35CXXXAC
 M11 - PTH093E35DRXXAB
 M12 - PTH093E35DXXXAB
 M13 - PTH093E35PXXXAB
 M14 - PTH093E35QRXXAB
 M15 - PTH093E35QRXXAC
 M16 - PTH093E35QXXXAC
 M17 - PTH093E35RXXXAB
 M18 - PTH093E35VXXXAB
 M19 - PTH093E50AXXXAC
 M20 - PTH093E50CXXXAC
 M21 - PTH093E50DXXXAB
 M22 - PTH093E50VXXXAB
 M23 - PTH093E50VXXXAC

Outdoor System and Partition Panel Assy

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY



Outdoor System and Partition Panel Assy

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

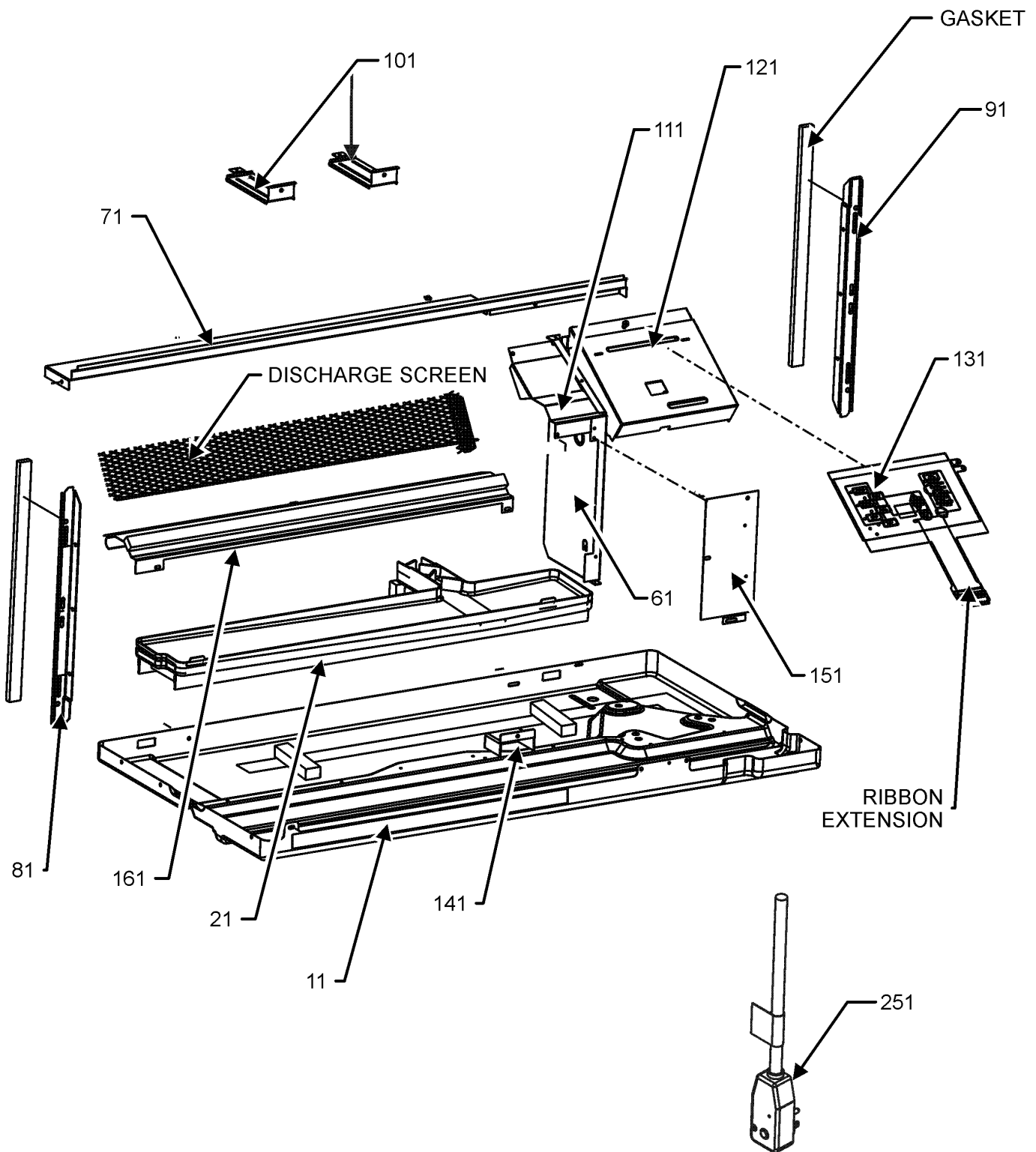
11	0161P00053	SHROUD, CONDENSOR
21	0131P00014	FAN MOTOR, OUTDOOR (M1, M4, M5, M7, M9, M11, M12, M13, M14, M17, M18, M21, M22)
21	0131P00027	FAN MOTOR, OUTDOOR (M2, M3, M6, M8, M10, M15, M16, M19, M20, M23)
31	0121P00093	PANEL-PARTITION (M15, M16)
31	0121P00108NG	PANEL-PARTITION (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M17, M18, M19, M20, M21, M22, M23)
41	0161P00055	FAN, CONDENSER
51	C6300502	CAPACITOR STRAP
61	CAP020250450CS	CAPACITOR 2/25/450V/DUAL RD (M2, M3, M6, M8, M10, M15, M16, M19, M20, M23)
61	CAP030250440RS	CAPACITOR 3/25/440V/DUAL RD (M1, M4, M5, M7, M9, M11, M12, M13, M14, M17, M18, M21, M22)
81	0130P00098	THERMISTOR, GREEN (M4, M7, M8, M11, M14, M15, M17)
91	11046302	LEVER ARM (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M13, M14, M17, M19, M20)
101	0163P00019	CABLE (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M13, M14, M17, M19, M20)
111	0121P00177NG	DOOR - PNT VENT PTC (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M17, M18, M19, M20, M21, M22, M23)
121	0121P00079	BRACKET, VENT DOOR (M11, M12, M18, M21, M22, M23)
131	0121P00072NG	BRACKET, VENT DOOR-C (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M13, M14, M17, M19, M20)
131	0121P00180	BRKT, POWER VENT (M11, M12, M18, M21, M22, M23)
141	11166401	EXTENSION SPRING (M11, M12, M18, M21, M22, M23)
151	CAP020000440RP	CAPACITOR 2/440V
161	0163P00029	CAPACITOR CLAMP
181	11191703	PARTITION PANEL BRACKET (QTY 2)
191	0130P00137	MOTOR (M11, M12, M18, M21, M22, M23)
201	11166201	POWER VENT COVER BRACKET (M11, M12, M18, M21, M22, M23)
211	11166101	POWER VENT MOTOR BRACKET (M11, M12, M18, M21, M22, M23)
251	0121P00091	PANEL-AUXILLIARY (M15, M16)
NS	0163P00023	CONDENSATE PUMP (M13)
NS	0121P00077	CONDENSATE PUMP BRACKET (M13)
NS	0130P00098	THERMISTOR - OUTDOOR AMBIENT (M4, M7, M8, M11, M14, M15, M17)

Expanded Model Nomenclature

M1 - PTH093E25AXXXAB
M2 - PTH093E25AXXXAC
M3 - PTH093E25CXXXAC
M4 - PTH093E25RXXXAB
M5 - PTH093E35AXXXAB
M6 - PTH093E35AXXXAC
M7 - PTH093E35CRXXAB
M8 - PTH093E35CRXXAC
M9 - PTH093E35CXXXAB
M10 - PTH093E35CXXXAC
M11 - PTH093E35DRXXAB
M12 - PTH093E35DXXXAB
M13 - PTH093E35PXXXAB
M14 - PTH093E35QRXXAB
M15 - PTH093E35QRXXAC
M16 - PTH093E35QXXXAC
M17 - PTH093E35RXXXAB
M18 - PTH093E35VXXXAB
M19 - PTH093E50AXXXAC
M20 - PTH093E50CXXXAC
M21 - PTH093E50DXXXAB
M22 - PTH093E50VXXXAB
M23 - PTH093E50VXXXAC

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:

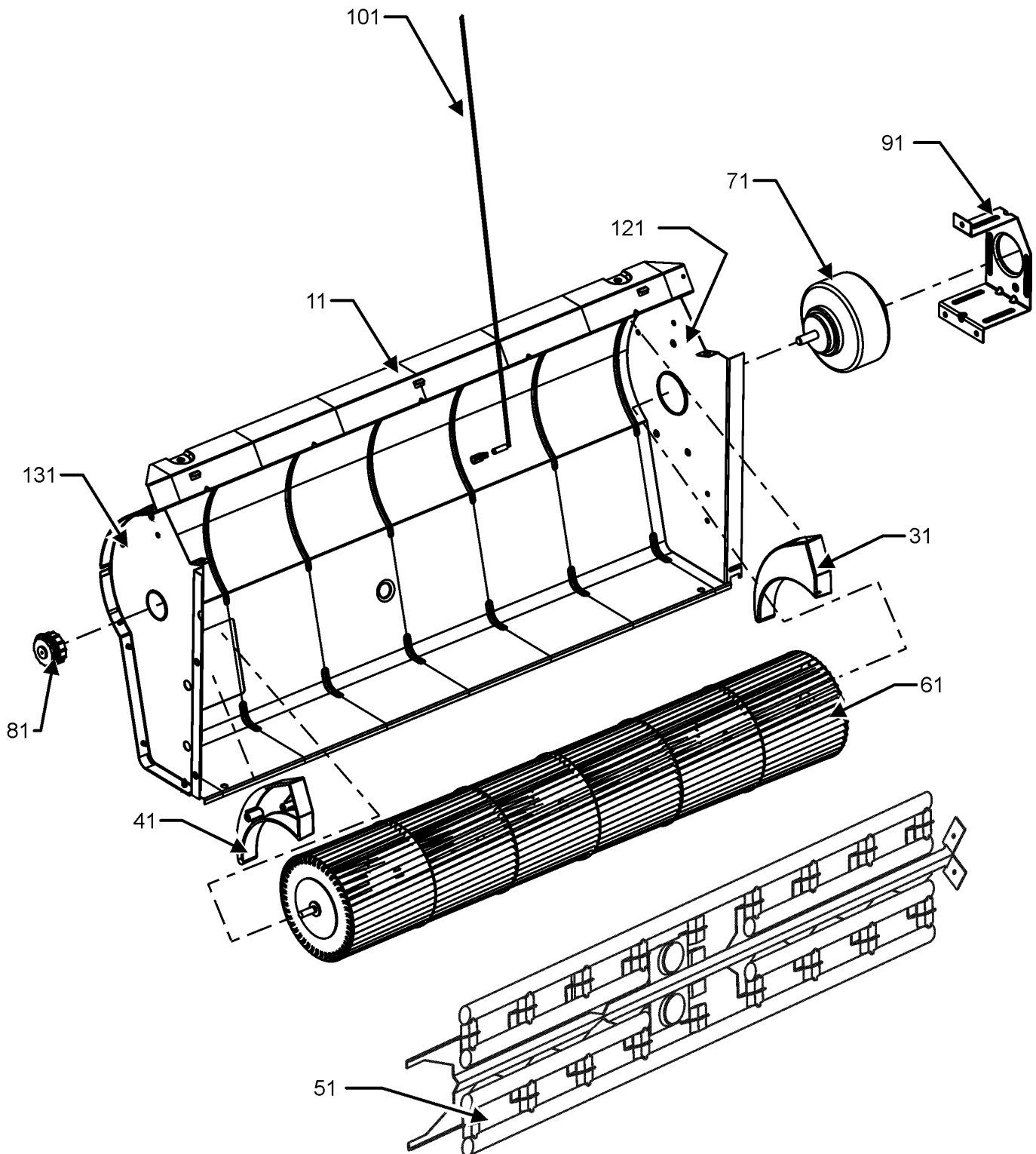
11	0121P00175DG	BASE PAN (M1, M2, M4, M5, M6, M11, M12, M13, M14, M15, M16, M17, M18, M19, M21, M22, M23)
11	0121P00175NG	BASE PAN (M3, M7, M8, M9, M10, M20)
21	0161P00044	PLASTIC-DRAIN PAN
61	20403301	MID PARTITION PANEL
71	0121P00063NG	TOP, PARTITION PANEL
81	0121P00197	SEAL-L SIDE PTC
91	0121P00198	SEAL-R SIDE PTC
101	0121P00071NG	BRACE, TIE (QTY 2)
111	0121P00070DG	COVER, MOTOR
121	0121P00129	COVER-CONTROL PANEL
131	RSKP0005	CONTROL PANEL COVER AND MEMBRANE
141	0161P00016	PLASTIC-HOOD (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M17, M18, M19, M20, M21, M22, M23)
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
251	0130P00059	CORD, 250VAC, 15A (LCD) (M1, M2, M3, M4)
251	0130P00058	CORD, 250VAC, 20A (LCD) (M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18)
NS	0130P00054	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTH093E25AXXXAB
 M2 - PTH093E25AXXXAC
 M3 - PTH093E25CXXXAC
 M4 - PTH093E25RXXXAB
 M5 - PTH093E35AXXXAB
 M6 - PTH093E35AXXXAC
 M7 - PTH093E35CRXXAB
 M8 - PTH093E35CRXXAC
 M9 - PTH093E35CXXXAB
 M10 - PTH093E35CXXXAC
 M11 - PTH093E35DRXXAB
 M12 - PTH093E35DXXXAB
 M13 - PTH093E35PXXXAB
 M14 - PTH093E35QRXXAB
 M15 - PTH093E35QRXXAC
 M16 - PTH093E35QXXXAC
 M17 - PTH093E35RXXXAB
 M18 - PTH093E35VXXXAB
 M19 - PTH093E50AXXXAC
 M20 - PTH093E50CXXXAC
 M21 - PTH093E50DXXXAB
 M22 - PTH093E50VXXXAB
 M23 - PTH093E50VXXXAC

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

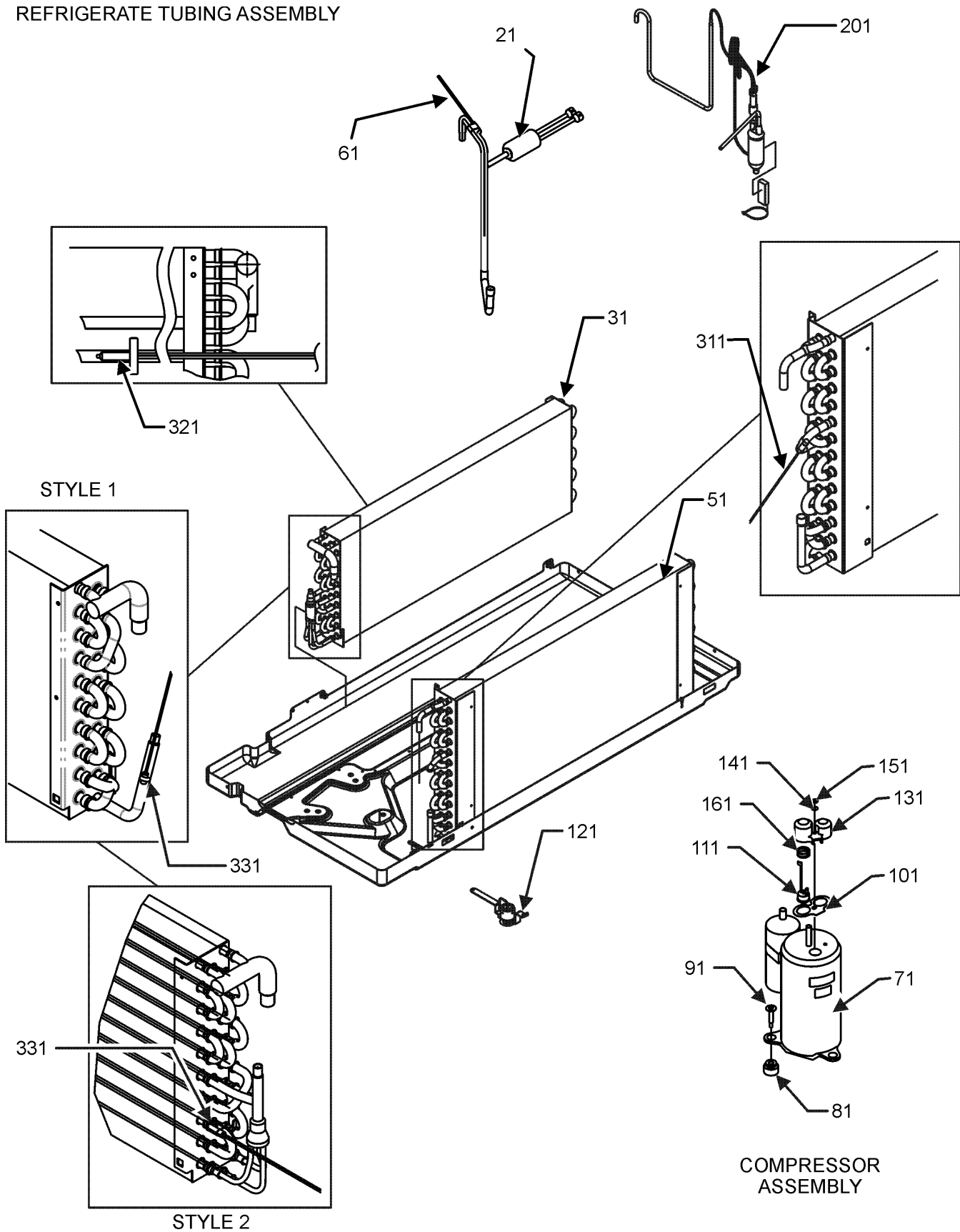
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00173DG		SCROLL
31	0161P00021		END CAP, RIGHT
41	0161P00022		END CAP, LEFT
51	0275P00019		HEATER ASSY (M1, M2, M3, M4)
51	0275P00038		HEATER ASSY (M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18)
51	0275P00039		HEATER ASSY (M19, M20, M21, M22, M23)
61	0150P00004		WHEEL, BLOWER
71	0131P00035		FAN MOTOR, INDOOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18)
71	0131P00055		FAN MOTOR, INDOOR (M19, M20, M21, M22, M23)
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 - PTH093E25AXXXAB
 M2 - PTH093E25AXXXAC
 M3 - PTH093E25CXXXAC
 M4 - PTH093E25RXXXAB
 M5 - PTH093E35AXXXAB
 M6 - PTH093E35AXXXAC
 M7 - PTH093E35CRXXAB
 M8 - PTH093E35CRXXAC
 M9 - PTH093E35CXXXAB
 M10 - PTH093E35CXXXAC
 M11 - PTH093E35DRXXAB
 M12 - PTH093E35DXXXAB
 M13 - PTH093E35PXXXAB
 M14 - PTH093E35QRXXAB
 M15 - PTH093E35QRXXAC
 M16 - PTH093E35QXXXAC
 M17 - PTH093E35RXXXAB
 M18 - PTH093E35VXXXAB
 M19 - PTH093E50AXXXAC
 M20 - PTH093E50CXXXAC
 M21 - PTH093E50DXXXAB
 M22 - PTH093E50VXXXAB
 M23 - PTH093E50VXXXAC

Refrigerate Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



COMPRESSOR ASSEMBLY

Refrigerate Tubing Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

21	0130M00169	SWITCH, HIGH PRESS
31	0202P00065	EVAP ASSY, 5/16, 3 ROW
51	0201P00079	CONDENSER ASSY (M1, M2, M4, M5, M6, M11, M12, M13, M14, M15, M16, M17, M18, M19, M21, M22, M23)
51	0201P00083DG	CONDENSER ASSY PNT (M3, M7, M8, M9, M10, M20)
61	0130P00077	THERMISTOR - INDOOR (M4, M7, M8, M11, M14, M15, M17)
71	44A202A	COMPRESSOR, RECHI
81	60130203	GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163M00079	SCREW, SHOULDER (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	0210P00103	CAPILLARY WELDMENT
311	20295711	THERMISTOR (M1, M4, M5, M7, M9, M11, M12, M13, M14, M17, M18, M21, M22)
311	0130P00093	THERMISTOR, .375 CLIP, BLUE (M2, M3, M6, M8, M10, M15, M16, M19, M20, M23)
321	0130P00074	THERMISTOR (M2, M3, M6, M8, M10, M15, M16, M19, M20, M23)
321	0130P00047	THERMISTOR - INDOOR AMBIENT (M1, M4, M5, M7, M9, M11, M12, M13, M14, M17, M18, M21, M22)
331	0130P00086	THERMISTOR - INDOOR COIL (M2, M3, M6, M8, M10, M15, M16, M19, M20, M23)
331	0130P00033	THERMISTOR-INDOOR COIL (M1, M4, M5, M7, M9, M11, M12, M13, M14, M17, M18, M21, M22)

Expanded Model Nomenclature

M1 - PTH093E25AXXXAB
M2 - PTH093E25AXXXAC
M3 - PTH093E25CXXXAC
M4 - PTH093E25RXXXAB
M5 - PTH093E35AXXXAB
M6 - PTH093E35AXXXAC
M7 - PTH093E35CRXXAB
M8 - PTH093E35CRXXAC
M9 - PTH093E35CXXXAB
M10 - PTH093E35CXXXAC
M11 - PTH093E35DRXXAB
M12 - PTH093E35DXXXAB
M13 - PTH093E35PXXXAB
M14 - PTH093E35QRXXAB
M15 - PTH093E35QRXXAC
M16 - PTH093E35QXXXAC
M17 - PTH093E35RXXXAB
M18 - PTH093E35VXXXAB
M19 - PTH093E50AXXXAC
M20 - PTH093E50CXXXAC
M21 - PTH093E50DXXXAB
M22 - PTH093E50VXXXAB
M23 - PTH093E50VXXXAC