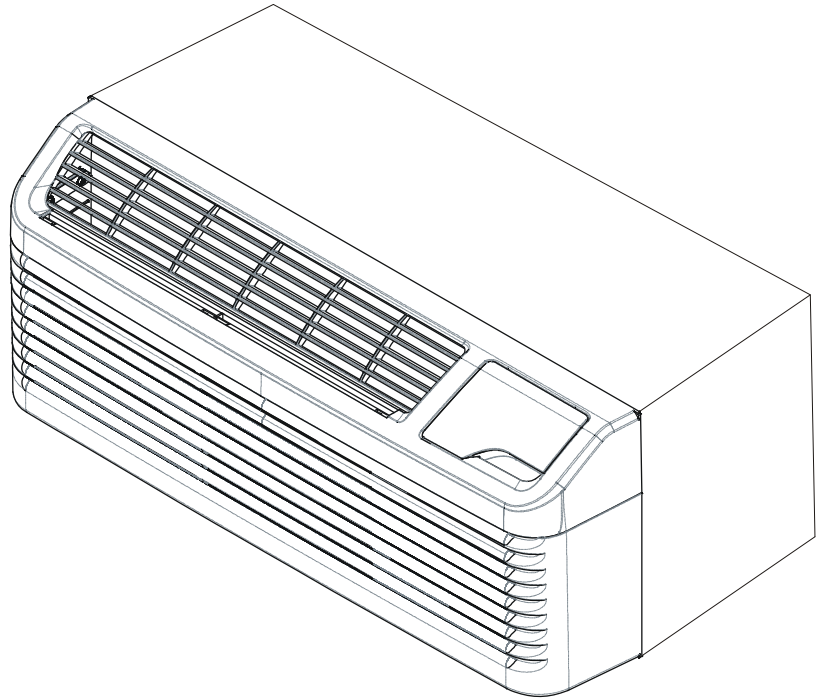

PTH073E Package Terminal Heat Pumps

PTH073E15AXXXAB
PTH073E15AXXXAC
PTH073E25AXXXAB
PTH073E25AXXXAC
PTH073E25CRXXAB
PTH073E25CRXXAC
PTH073E25CVXXAB
PTH073E25CXXXAB
PTH073E25CXXXAC
PTH073E25DRXXAB
PTH073E25DRXXAC
PTH073E25DXXXAB
PTH073E25PXXXAC
PTH073E25QXXXAC
PTH073E25RXXXAB
PTH073E35AXXXAB
PTH073E35AXXXAC
PTH073E35CXXXAB
PTH073E35CXXXAC
PTH073E35QRXXAB
PTH073E35QRXXAC
PTH073E35QXXXAC
PTH073E35RXXXAB
PTH073E35VXXXAB



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This manual is to be used by qualified technicians only.

This manual replaces RP-673A.

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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

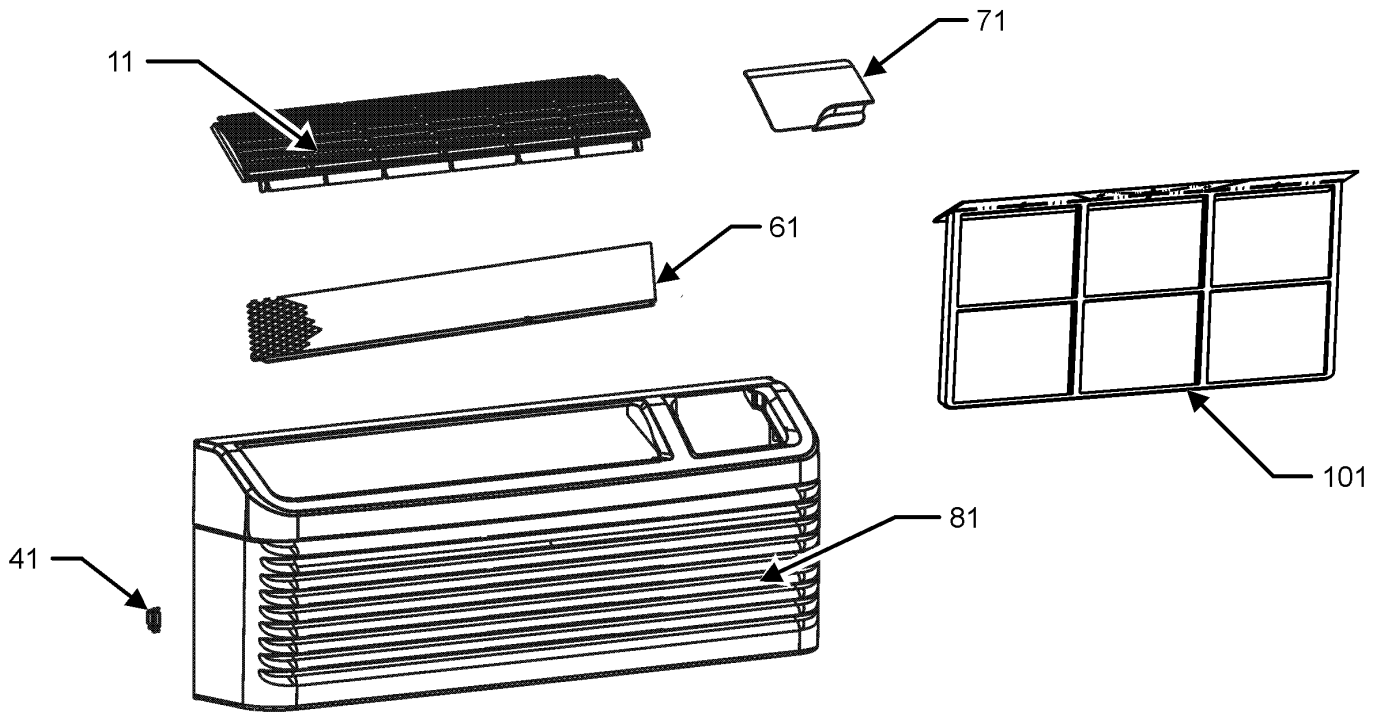
Part

No: Description:

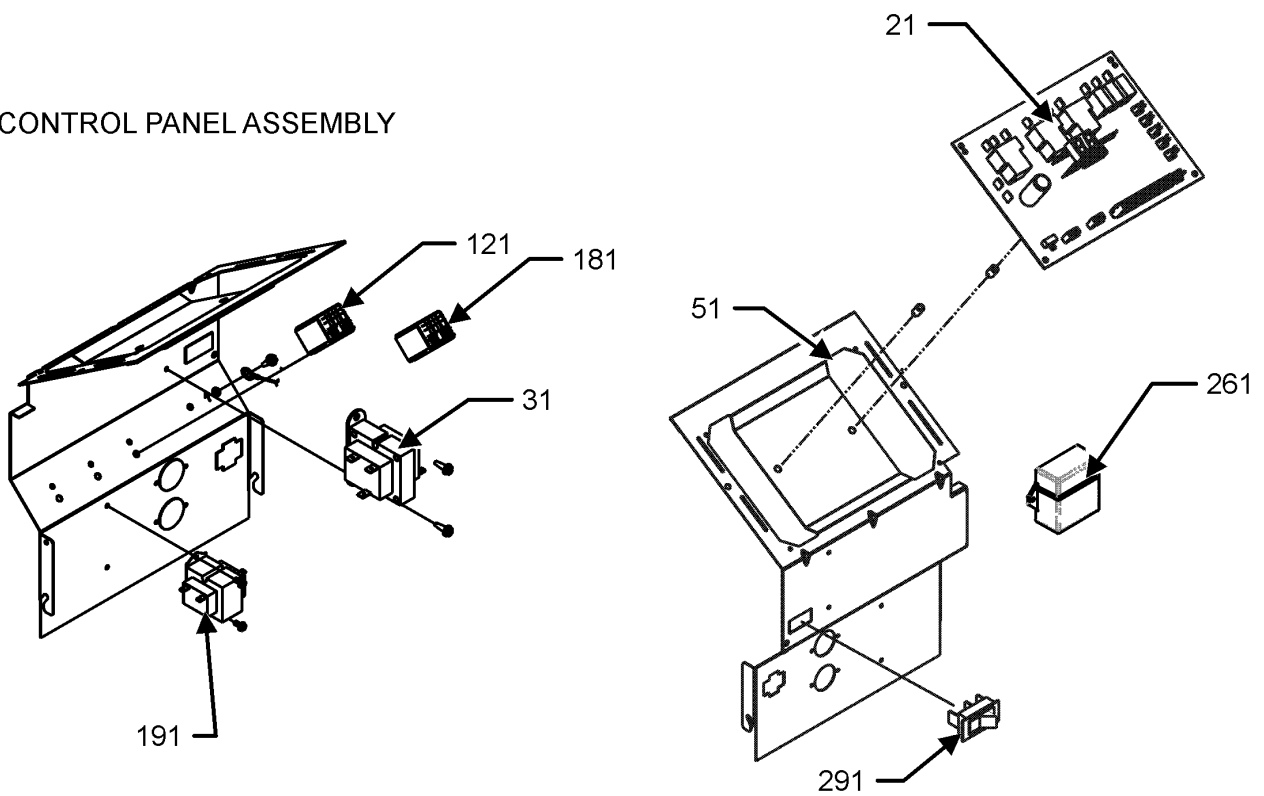
		Expanded Model Nomenclature
20406303	BASE PAN VALVE	M1 - PTH073E15AXXXAB
CAP030200440RS	CAP, 3/20 MFD/440V/DUAL RD (M1, M3, M5, M7, M8, M10, M12, M15, M16, M18, M20, M23, M24)	M2 - PTH073E15AXXXAC
CAP020200450CS	CAPACITOR 2/20/450V/DUAL RD (M2, M4, M6, M9, M11, M13, M14, M17, M19, M21, M22)	M3 - PTH073E25AXXXAB
CAP020000440RP	CAPACITOR 2/440V	M4 - PTH073E25AXXXAC
39A162A	COMPRESSOR, RECHI	M5 - PTH073E25CRXXAB
0163P00023	CONDENSATE PUMP (M13)	M6 - PTH073E25CRXXAC
0121P00077	CONDENSATE PUMP BRACKET (M13)	M7 - PTH073E25CVXXAB
RSKP0010	CONTROL BOARD M61	M8 - PTH073E25CXXXAB
RSKP0005	CONTROL PANEL COVER AND MEMBRANE	M9 - PTH073E25CXXXAC
0130P00059	CORD, 250VAC, 15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15)	M10 - PTH073E25DRXXAB
0130P00058	CORD, 250VAC, 20A (LCD) (M16, M17, M18, M19, M20, M21, M22, M23, M24)	M11 - PTH073E25DRXXAC
0131P00035	FAN MOTOR, INDOOR	M12 - PTH073E25DXXXAB
0131P00027	FAN MOTOR, OUTDOOR (M2, M4, M6, M9, M11, M13, M14, M17, M19, M21, M22)	M13 - PTH073E25PXXXAC
0131P00014	FAN MOTOR, OUTDOOR (M1, M3, M5, M7, M8, M10, M12, M15, M16, M18, M20, M23, M24)	M14 - PTH073E25QXXXAC
0161P00055	FAN, CONDENSER	M15 - PTH073E25RXXXAB
0275P00038	HEATER ASSY (M16, M17, M18, M19, M20, M21, M22, M23, M24)	M16 - PTH073E35AXXXAB
0275P00019	HEATER ASSY (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15)	M17 - PTH073E35AXXXAC
0275P00022	HEATER ASSY (M1, M2)	M18 - PTH073E35CXXXAB
0130P00137	MOTOR (M7, M10, M11, M12, M24)	M19 - PTH073E35CXXXAC
60343516	OVERLOAD PROTECTOR	M20 - PTH073E35QRXXAB
0130M00096	RELAY (M2, M4, M6, M9, M11, M13, M14, M17, M19, M21, M22)	M21 - PTH073E35QRXXAC
C8873917	RELAY (HYDRONIC) (M13)	M22 - PTH073E35QXXXAC
C8873932	RELAY (POWER VENT) (M7, M10, M11, M12, M24)	M23 - PTH073E35RXXXAB
C8873932	RELAY (POWER VENT) (M7, M10, M11, M12, M24)	M24 - PTH073E35VXXXAB
0130M00169	SWITCH, HIGH PRESS	
0130P00073	THERMISTOR (M2, M4, M6, M9, M11, M13, M14, M17, M19, M21, M22)	
0130P00134	THERMISTOR - DISCHARGE	
0130P00085	THERMISTOR - HEAT PUMP (M2, M4, M6, M9, M11, M13, M14, M17, M19, M21, M22)	
0130P00077	THERMISTOR - INDOOR (M5, M6, M10, M11, M15, M20, M21, M23)	
0130P00046	THERMISTOR - INDOOR AMBIENT (M1, M3, M5, M7, M8, M10, M12, M15, M16, M18, M20, M23, M24)	
0130P00084	THERMISTOR - INDOOR COIL (M2, M4, M6, M9, M11, M13, M14, M17, M19, M21, M22)	
20295707	THERMISTOR - INDOOR COIL (M1, M3, M5, M7, M8, M10, M12, M15, M16, M18, M20, M23, M24)	
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M5, M6, M10, M11, M15, M20, M21, M23)	
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M5, M6, M10, M11, M15, M20, M21, M23)	
20295709	THERMISTOR-HEAT PUMP (M1, M3, M5, M7, M8, M10, M12, M15, M16, M18, M20, M23, M24)	
0130M00150	Trans.,40VA, 240V/208V to 120V (M13)	
0130M00329	TRANSFORMER 20VA 60HZ	
0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (M7, M10, M11, M12, M24)	

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:

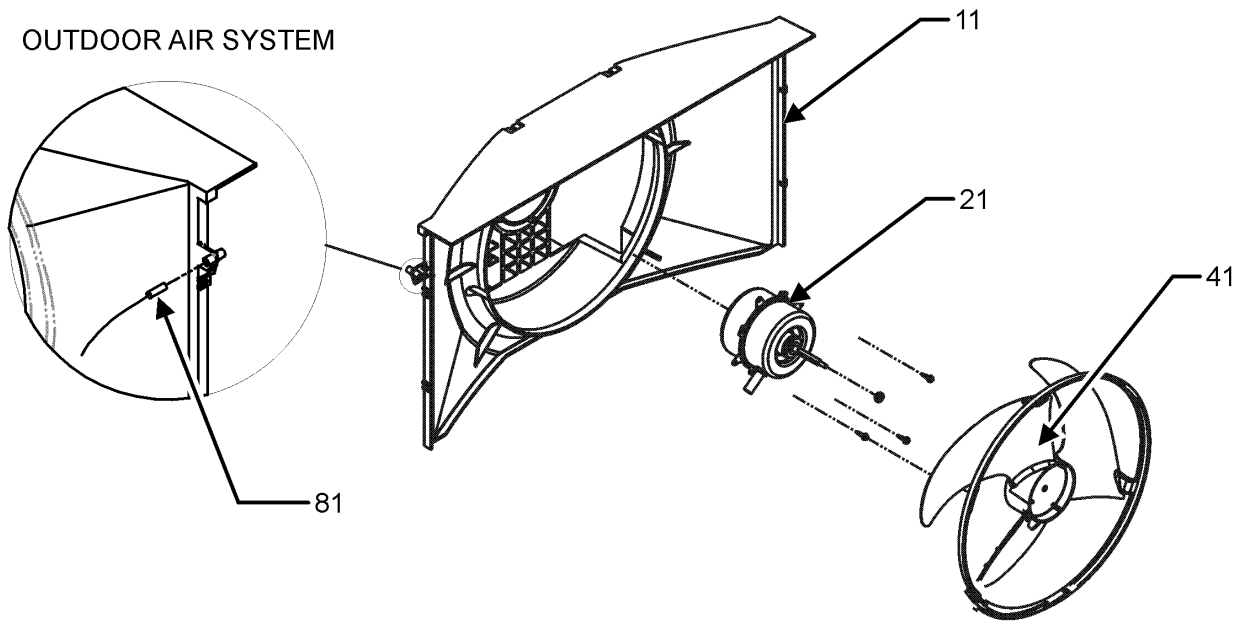
11	0161P00048	FRONT-DICHARGE LOUVERS
21	RSKP0010	CONTROL BOARD M61
31	0130M00329	TRANSFORMER 20VA 60HZ
41	0163P00025	CLIP (QTY 2)
51	0121P00130	PANEL, CONTROL
61	0121P00073	SCREEN, DISCHARGE
71	0261P00003	DOOR ASSY -AMANA-
81	0261P00011	FRONT ASSY
101	0161P00035	FILTER, RACK (QTY 2)
121	0130M00096	RELAY (M2, M4, M6, M9, M11, M13, M14, M17, M19, M21, M22)
121	C8873917	RELAY (HYDRONIC) (M13)
121	C8873932	RELAY (POWER VENT) (M7, M10, M11, M12, M24)
181	C8873932	RELAY (POWER VENT) (M7, M10, M11, M12, M24)
191	0130M00150	Trans.,40VA, 240V/208V to 120V (M13)
191	0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (M7, M10, M11, M12, M24)
261	0130P00104	ANTENNA (DIGITENNA) (M5, M6, M10, M11, M15, M20, M21, M23)
291	B1337701	PADDLE SWITCH (M7, M10, M11, M12, M24)

Expanded Model Nomenclature

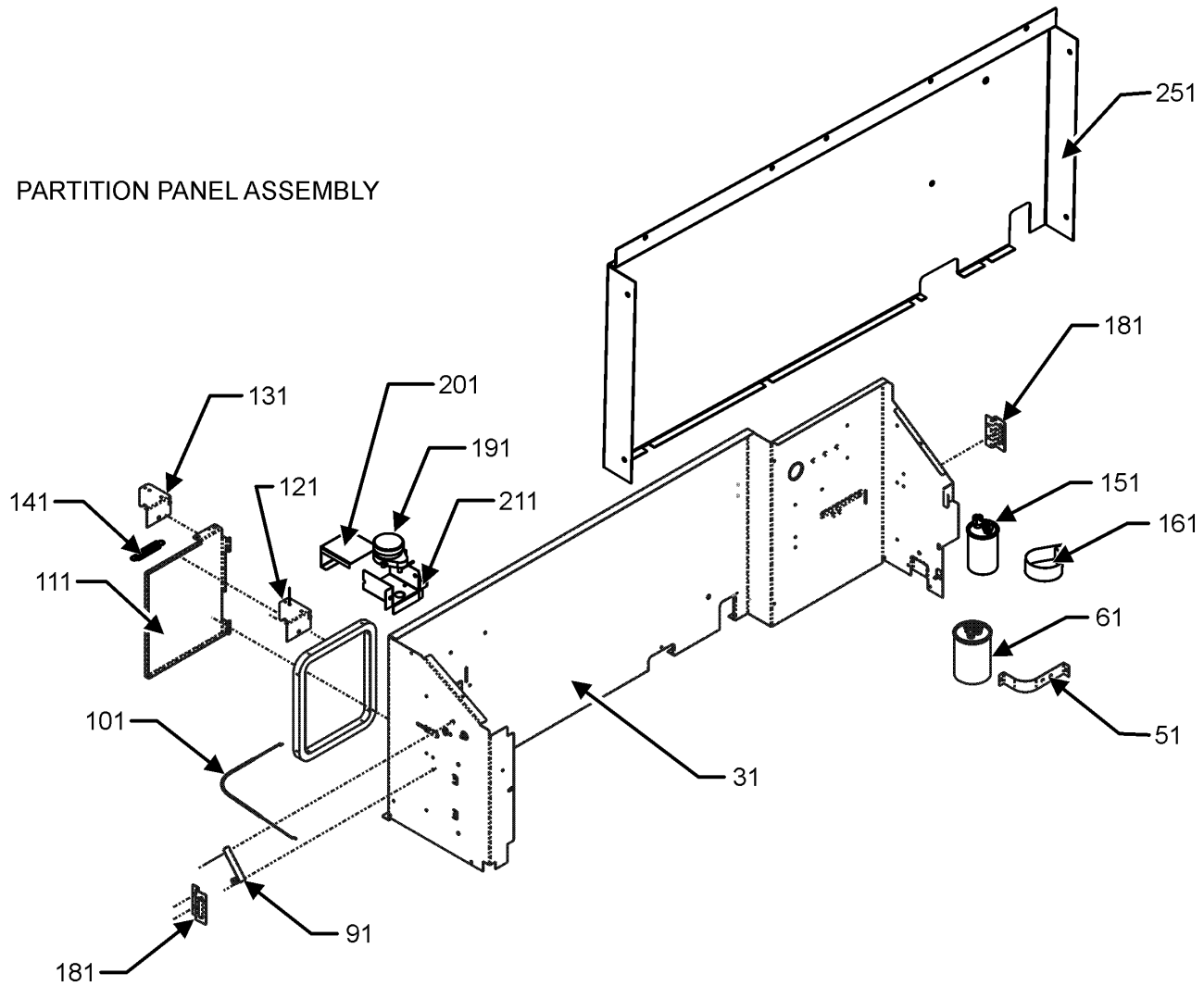
M1 - PTH073E15AXXXAB
 M2 - PTH073E15AXXXAC
 M3 - PTH073E25AXXXAB
 M4 - PTH073E25AXXXAC
 M5 - PTH073E25CRXXAB
 M6 - PTH073E25CRXXAC
 M7 - PTH073E25CVXXAB
 M8 - PTH073E25CXXXAB
 M9 - PTH073E25CXXXAC
 M10 - PTH073E25DRXXAB
 M11 - PTH073E25DRXXAC
 M12 - PTH073E25DXXXAB
 M13 - PTH073E25PXXXAC
 M14 - PTH073E25QXXXAC
 M15 - PTH073E25RXXXAB
 M16 - PTH073E35AXXXAB
 M17 - PTH073E35AXXXAC
 M18 - PTH073E35CXXXAB
 M19 - PTH073E35CXXXAC
 M20 - PTH073E35QRXXAB
 M21 - PTH073E35QRXXAC
 M22 - PTH073E35QXXXAC
 M23 - PTH073E35RXXXAB
 M24 - PTH073E35VXXXAB

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:

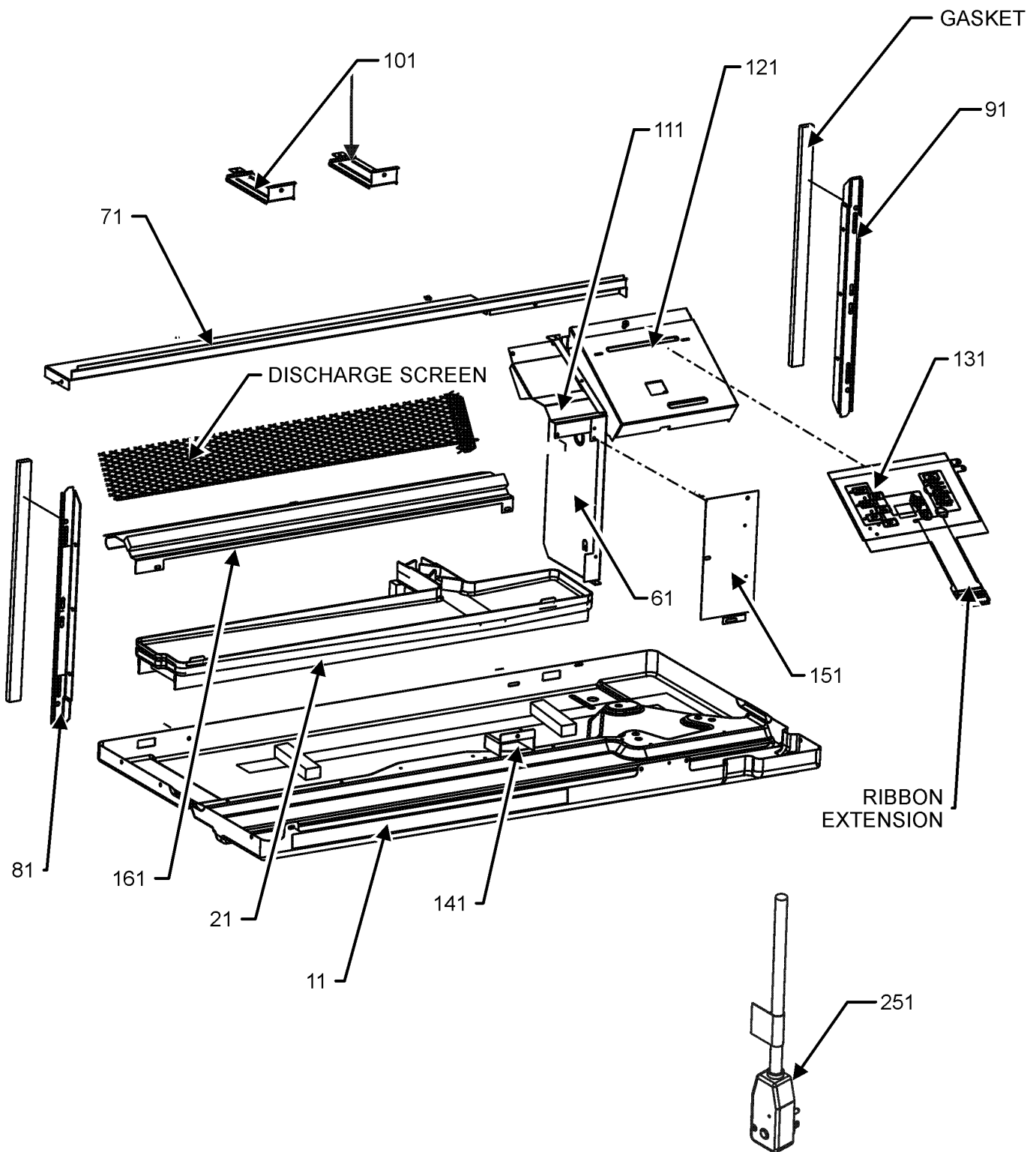
11	0161P00053	SHROUD, CONDENSOR
21	0131P00014	FAN MOTOR, OUTDOOR (M1, M3, M5, M7, M8, M10, M12, M15, M16, M18, M20, M23, M24)
21	0131P00027	FAN MOTOR, OUTDOOR (M2, M4, M6, M9, M11, M13, M14, M17, M19, M21, M22)
31	0121P00093	PANEL-PARTITION (M14, M21, M22)
31	0121P00108DG	PANEL-PARTITION (M1, M2, M3, M4, M7, M10, M11, M12, M13, M15, M16, M17, M20, M23, M24)
31	0121P00108NG	PANEL-PARTITION (M5, M6, M8, M9, M18, M19)
41	0161P00055	FAN, CONDENSER
51	C6300502	CAPACITOR STRAP
61	CAP030200440RS	CAP, 3/20 MFD/440V/DUAL RD (M1, M3, M5, M7, M8, M10, M12, M15, M16, M18, M20, M23, M24)
61	CAP020200450CS	CAPACITOR 2/20/450V/DUAL RD (M2, M4, M6, M9, M11, M13, M14, M17, M19, M21, M22)
81	0130P00098	THERMISTOR - OUTDOOR AMBIENT (M5, M6, M10, M11, M15, M20, M21, M23)
91	11046302	LEVER ARM (M1, M2, M3, M4, M5, M6, M8, M9, M13, M15, M16, M17, M18, M19, M20, M23)
101	0163P00019	CABLE (M1, M2, M3, M4, M5, M6, M8, M9, M13, M15, M16, M17, M18, M19, M20, M23)
111	0121P00177NG	DOOR - PNT VENT PTC (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M15, M16, M17, M18, M19, M23, M24)
121	0121P00079	BRACKET, VENT DOOR (M7, M10, M11, M12, M24)
131	0121P00072NG	BRACKET, VENT DOOR-C (M1, M2, M3, M4, M5, M6, M8, M9, M13, M15, M16, M17, M18, M19, M20, M23)
131	0121P00180	BRKT, POWER VENT (M7, M10, M11, M12, M24)
141	11166401	EXTENSION SPRING (M7, M10, M11, M12, M24)
151	CAP020000440RP	CAPACITOR 2/440V
161	0163P00029	CAPACITOR CLAMP
181	11191703	PARTITION PANEL BRACKET (QTY 2)
191	0130P00137	MOTOR (M7, M10, M11, M12, M24)
201	11166201	POWER VENT COVER BRACKET (M7, M10, M11, M12, M24)
211	11166101	POWER VENT MOTOR BRACKET (M7, M10, M11, M12, M24)
251	0121P00091	PANEL-AUXILLIARY (M14, M21, M22)
NS	0163P00023	CONDENSATE PUMP (M13)
NS	0121P00077	CONDENSATE PUMP BRACKET (M13)
NS	0130P00098	THERMISTOR - OUTDOOR AMBIENT (M5, M6, M10, M11, M15, M20, M21, M23)

Expanded Model Nomenclature

M1 - PTH073E15AXXXAB
M2 - PTH073E15AXXXAC
M3 - PTH073E25AXXXAB
M4 - PTH073E25AXXXAC
M5 - PTH073E25CRXXAB
M6 - PTH073E25CRXXAC
M7 - PTH073E25CVXXAB
M8 - PTH073E25CXXXAB
M9 - PTH073E25CXXXAC
M10 - PTH073E25DRXXAB
M11 - PTH073E25DRXXAC
M12 - PTH073E25DXXXAB
M13 - PTH073E25PXXXAC
M14 - PTH073E25QXXXAC
M15 - PTH073E25RXXXAB
M16 - PTH073E35AXXXAB
M17 - PTH073E35AXXXAC
M18 - PTH073E35CXXXAB
M19 - PTH073E35CXXXAC
M20 - PTH073E35QRXXAB
M21 - PTH073E35QRXXAC
M22 - PTH073E35QXXXAC
M23 - PTH073E35RXXXAB
M24 - PTH073E35VXXXAB

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

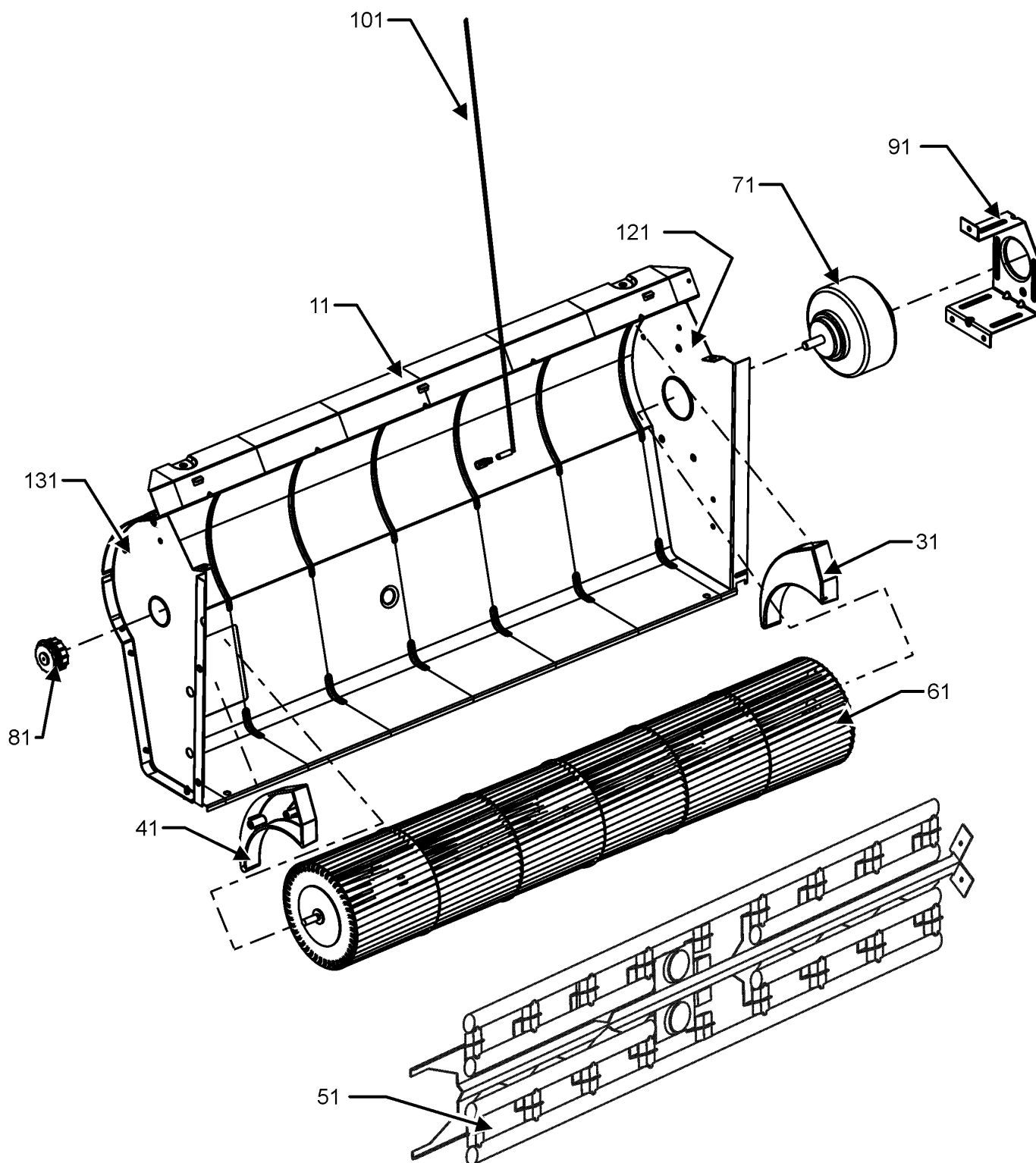
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00175DG		BASE PAN (M1, M2, M3, M4, M10, M11, M12, M13, M14, M15, M16, M17, M20, M21, M22, M23, M24)
11	0121P00175NG		BASE PAN (M5, M6, M7, M8, M9, M18, M19)
21	0161P00044		PLASTIC-DRAIN PAN
61	20403301		MID PARTITION PANEL
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, M15, M16, M17, M18, M19, M23, M24)
151	20410801		ACCESS COVER
161	0121P00061DG		CUTOFF-SCROLL DG
251	0130P00059		CORD, 250VAC, 15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15)
251	0130P00058		CORD, 250VAC, 20A (LCD) (M16, M17, M18, M19, M20, M21, M22, M23, M24)
NS	0130P00054		MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTH073E15AXXXAB
 M2 - PTH073E15AXXXAC
 M3 - PTH073E25AXXXAB
 M4 - PTH073E25AXXXAC
 M5 - PTH073E25CRXXAB
 M6 - PTH073E25CRXXAC
 M7 - PTH073E25CVXXAB
 M8 - PTH073E25CXXXAB
 M9 - PTH073E25CXXXAC
 M10 - PTH073E25DRXXAB
 M11 - PTH073E25DRXXAC
 M12 - PTH073E25DXXXAB
 M13 - PTH073E25PXXXAC
 M14 - PTH073E25QXXXAC
 M15 - PTH073E25RXXXAB
 M16 - PTH073E35AXXXAB
 M17 - PTH073E35AXXXAC
 M18 - PTH073E35CXXXAB
 M19 - PTH073E35CXXXAC
 M20 - PTH073E35QRXXAB
 M21 - PTH073E35QRXXAC
 M22 - PTH073E35QXXXAC
 M23 - PTH073E35RXXXAB
 M24 - PTH073E35VXXXAB

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:

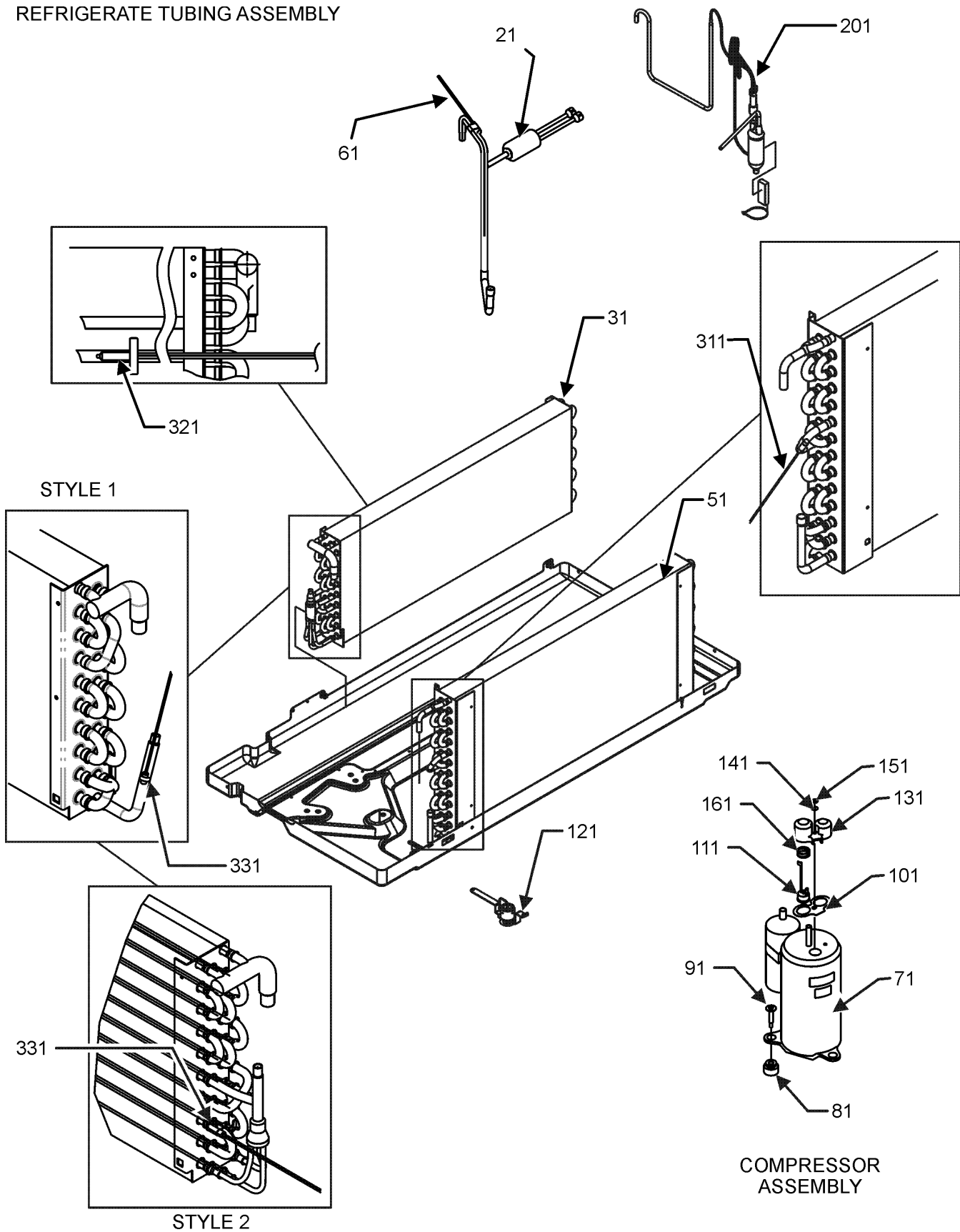
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15)
51	0275P00022	HEATER ASSY (M1, M2)
51	0275P00038	HEATER ASSY (M16, M17, M18, M19, M20, M21, M22, M23, M24)
61	0150P00004	WHEEL, BLOWER
71	0131P00035	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 - PTH073E15AXXXAB
 M2 - PTH073E15AXXXAC
 M3 - PTH073E25AXXXAB
 M4 - PTH073E25AXXXAC
 M5 - PTH073E25CRXXAB
 M6 - PTH073E25CRXXAC
 M7 - PTH073E25CVXXAB
 M8 - PTH073E25CXXXAB
 M9 - PTH073E25CXXXAC
 M10 - PTH073E25DRXXAB
 M11 - PTH073E25DRXXAC
 M12 - PTH073E25DXXXAB
 M13 - PTH073E25PXXXAC
 M14 - PTH073E25QXXXAC
 M15 - PTH073E25RXXXAB
 M16 - PTH073E35AXXXAB
 M17 - PTH073E35AXXXAC
 M18 - PTH073E35CXXXAB
 M19 - PTH073E35CXXXAC
 M20 - PTH073E35QRXXAB
 M21 - PTH073E35QRXXAC
 M22 - PTH073E35QXXXAC
 M23 - PTH073E35RXXXAB
 M24 - PTH073E35VXXXAB

Refrigerate Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



Refrigerate Tubing Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

21	0130M00169	SWITCH, HIGH PRESS
31	0202P00067	EVAP ASSY, 3/8, 2 ROW
51	0201P00082	COND ASSY, 5/16, 2 ROW (M1, M2, M3, M4, M10, M11, M12, M13, M14, M15, M16, M17, M20, M21, M22, M23, M24)
51	0201P00085DG	CONDENSER ASSY (M5, M6, M7, M8, M9, M18, M19)
61	0130P00077	THERMISTOR - INDOOR (M5, M6, M10, M11, M15, M20, M21, M23)
71	39A162A	COMPRESSOR, RECHI
81	60110202	GROMMET - RECHI COMPRESSOR (QTY 3)
91	M0253661	SHOULDER SCREW (QTY 3)
101	60100103	TERMINAL GASKET
111	60343516	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	0210P00178	CAPILLARY WELDMENT
311	0130P00085	THERMISTOR - HEAT PUMP (M2, M4, M6, M9, M11, M13, M14, M17, M19, M21, M22)
311	20295709	THERMISTOR-HEAT PUMP (M1, M3, M5, M7, M8, M10, M12, M15, M16, M18, M20, M23, M24)
321	0130P00073	THERMISTOR (M2, M4, M6, M9, M11, M13, M14, M17, M19, M21, M22)
321	0130P00046	THERMISTOR - INDOOR AMBIENT (M1, M3, M5, M7, M8, M10, M12, M15, M16, M18, M20, M23, M24)
331	0130P00084	THERMISTOR - INDOOR COIL (M2, M4, M6, M9, M11, M13, M14, M17, M19, M21, M22)
331	20295707	THERMISTOR - INDOOR COIL (M1, M3, M5, M7, M8, M10, M12, M15, M16, M18, M20, M23, M24)

Expanded Model Nomenclature

M1 - PTH073E15AXXXAB
M2 - PTH073E15AXXXAC
M3 - PTH073E25AXXXAB
M4 - PTH073E25AXXXAC
M5 - PTH073E25CRXXAB
M6 - PTH073E25CRXXAC
M7 - PTH073E25CVXXAB
M8 - PTH073E25CXXXAB
M9 - PTH073E25CXXXAC
M10 - PTH073E25DRXXAB
M11 - PTH073E25DRXXAC
M12 - PTH073E25DXXXAB
M13 - PTH073E25PXXXAC
M14 - PTH073E25QXXXAC
M15 - PTH073E25RXXXAB
M16 - PTH073E35AXXXAB
M17 - PTH073E35AXXXAC
M18 - PTH073E35CXXXAB
M19 - PTH073E35CXXXAC
M20 - PTH073E35QRXXAB
M21 - PTH073E35QRXXAC
M22 - PTH073E35QXXXAC
M23 - PTH073E35RXXXAB
M24 - PTH073E35VXXXAB