

PTH073G Package Terminal Heat Pump

PTH073G00CHXXEA
PTH073G15AXXXEA
PTH073G15DXXEA
PTH073G25CQRXEA
PTH073G25CRXXEA
PTH073G25CXXEA
PTH073G25DRXXEA
PTH073G25DXXEA
PTH073G25PXXEA
PTH073G25QRXXEA
PTH073G25QXXEA
PTH073G25RXXEA
PTH073G25VXXEA
PTH073G25WXXEA
PTH073G35CQXXEA
PTH073G35CXXEA
PTH073G35DRXXEA
PTH073G35DXXEA
PTH073G35PXXEA
PTH073G35QRXXEA
PTH073G35QXXEA
PTH073G35RVXXEA
PTH073G35RXXEA
PTH073G35VXXEA



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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:

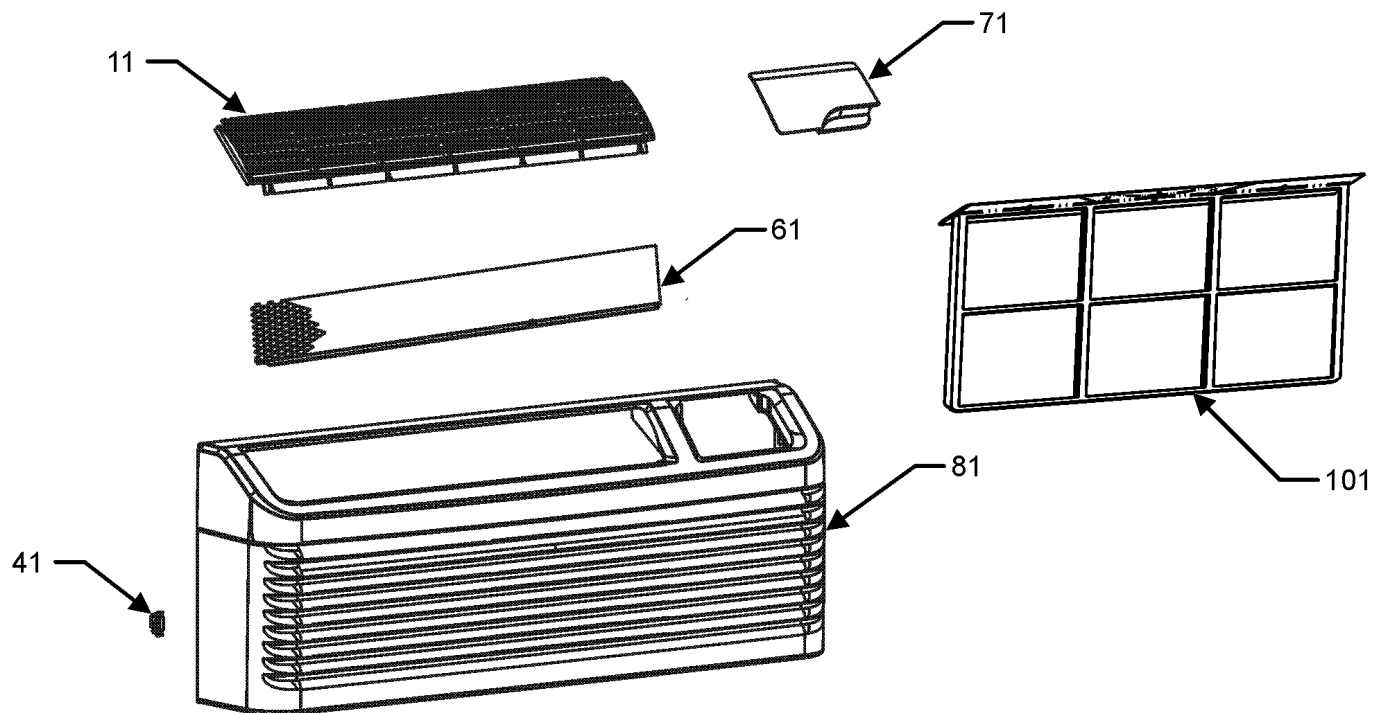
Expanded Model Nomenclature

20406303	BASE PAN VALVE
CAP020150450CS	CAP, 2/15 MFD/450V/DUAL RD
39B152AD&9DKZ	COMPRESSOR,RECHI
0163P00023	CONDENSATE PUMP (M9, M19)
0121P00077	CONDENSATE PUMP BRACKET (M9, M19)
RSKP0012	CONTROL BOARD M70
RSKP0015	CONTROL PANEL COVER AND MEMBRANE
0130P00112	CORD,250VAC,15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)
0130P00115	CORD,250VAC,20A (LCD) (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
0131P00029	FAN MOTOR, INDOOR
0131P00033	FAN MOTOR, OUTDOOR
0161P00055	FAN, CONDENSER
0275P00038	HEATER ASSY (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
0275P00019	HEATER ASSY (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)
0275P00022	HEATER ASSY (M2, M3)
0130P00133	HUMIDITY SENSOR (M3, M7, M8, M13, M17, M18, M22, M24)
PCBCP147	PCB, CONTROL, D70 (M9, M19)
0130P00137	POWER VENT MOTOR (M3, M7, M8, M13, M17, M18, M22, M24)
60343542	PROTECTOR, OVERLOAD, RECHI
0151P00009	PTAC REVERSING VALVE ASSY
0130P00022	REVERSING VALVE COIL
0130M00179	SPDT RELAY (M9, M19)
0130M00181	SPDT RELAY (M1)
0130M00169	SWITCH, HIGH PRESS
802007090	TERMINAL BOARD
0130P00077	THERMISTOR (M4, M5, M7, M10, M12, M17, M20, M22, M23)
0130P00141	THERMISTOR
0130P00130	THERMISTOR
0130P00134	THERMISTOR - DISCHARGE
0130P00084	THERMISTOR - INDOOR COIL
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M3, M4, M5, M7, M8, M9, M10, M12, M13, M17, M18, M19, M20, M22, M23, M24)
0130M00600	TRANS, 40VA, 240V/208V TO 120V (M9, M19)
0130M00599	TRANS, 40VA, 240V/208V TO 24V (M1, M3, M7, M8, M9, M13, M17, M18, M19, M22, M24)
0130M00341	TRANSFORMER 20VA 230V (M2, M3, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14, M15, M16, M17, M18, M20, M21, M22, M23, M24)
PCBEP100	VARIABLE SPEED TERMINAL BOARD
0150P00005	WHEEL, BLOWER

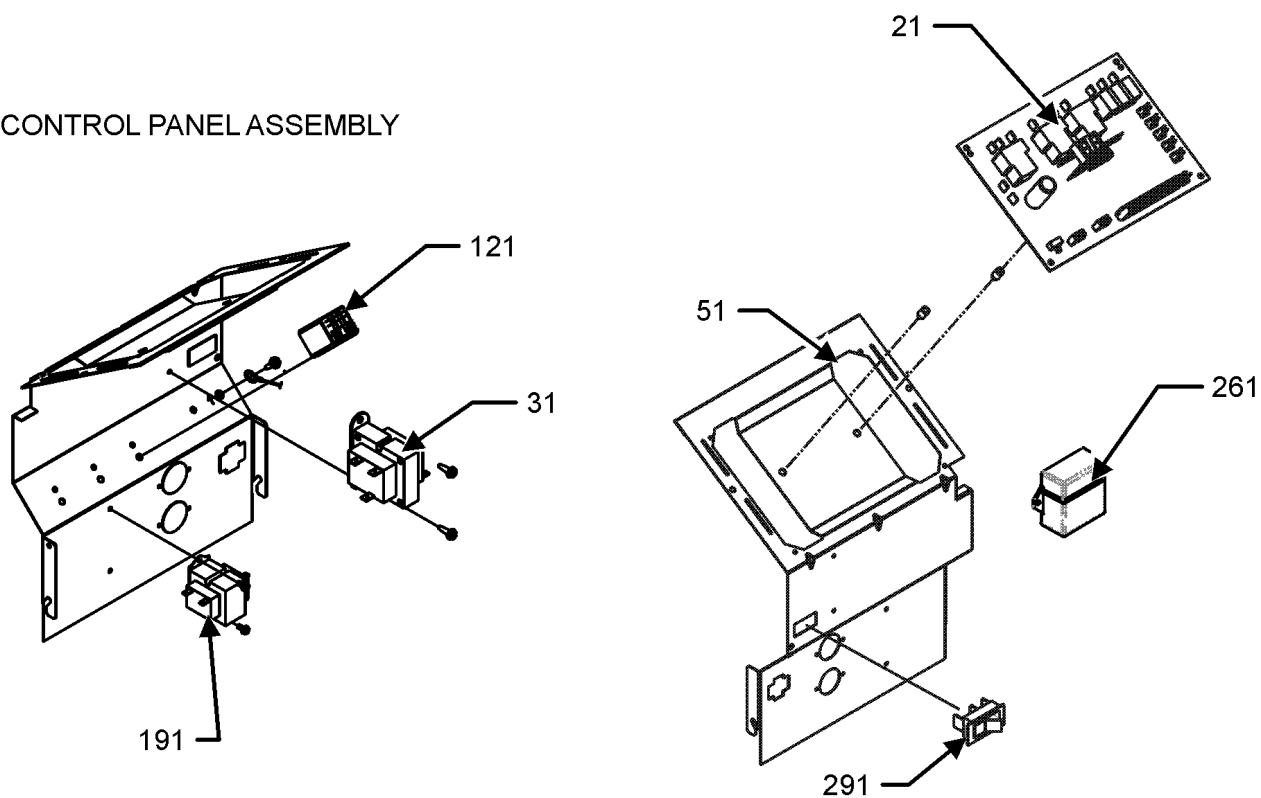
M1 - PTH073G00CHXXEA
M2 - PTH073G15AXXXEA
M3 - PTH073G15DXXEA
M4 - PTH073G25CQRXXEA
M5 - PTH073G25CRXXEA
M6 - PTH073G25CXXEA
M7 - PTH073G25DRXXEA
M8 - PTH073G25DXXEA
M9 - PTH073G25PXXEA
M10 - PTH073G25QRXXEA
M11 - PTH073G25QXXEA
M12 - PTH073G25RXXEA
M13 - PTH073G25VXXEA
M14 - PTH073G25WXXEA
M15 - PTH073G35CQXXEA
M16 - PTH073G35CXXEA
M17 - PTH073G35DRXXEA
M18 - PTH073G35DXXEA
M19 - PTH073G35PXXEA
M20 - PTH073G35QRXXEA
M21 - PTH073G35QXXEA
M22 - PTH073G35RVXXEA
M23 - PTH073G35RXXEA
M24 - PTH073G35VXXEA

Front Panel / Control Board Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY

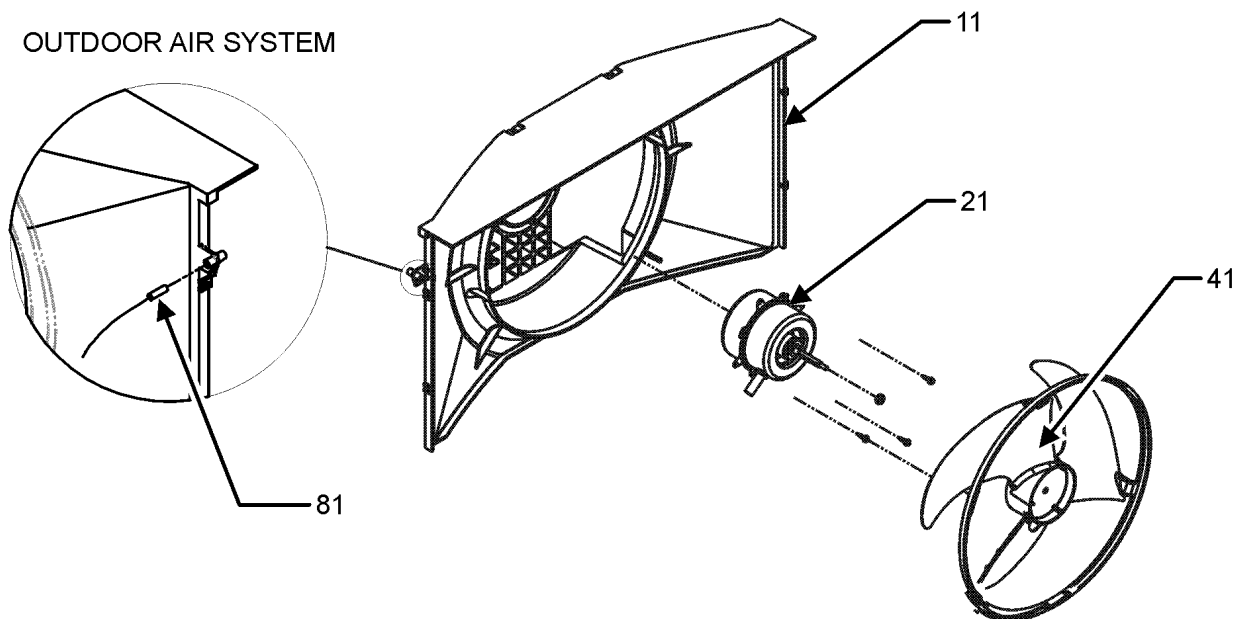


Front Panel / Control Board Assembly

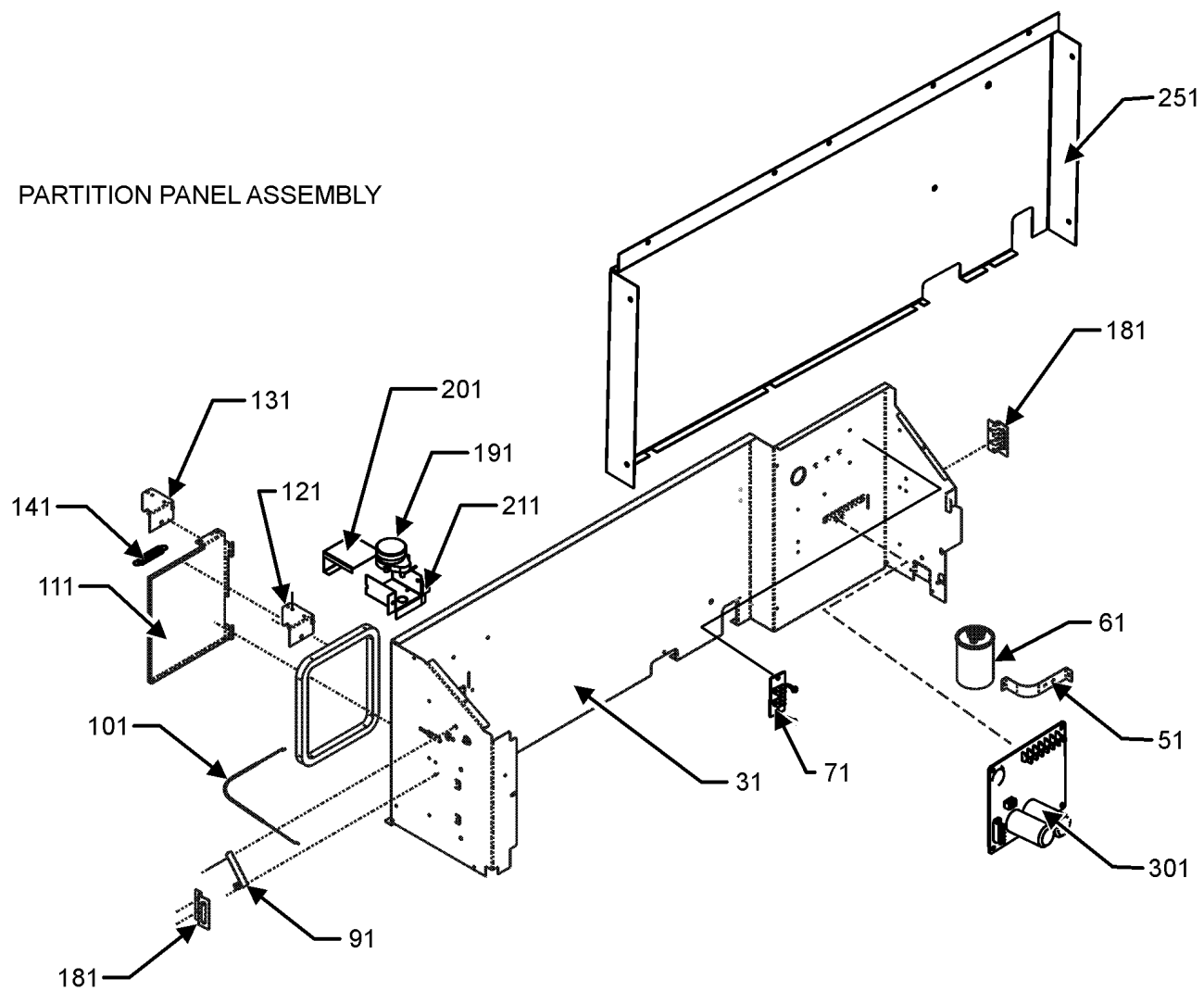
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00048	FRONT, LOUVERS DISCHARGE (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)	M1 - PTH073G00CHXXEA M2 - PTH073G15AXXXEA M3 - PTH073G15DXXXEA M4 - PTH073G25CQRXXEA M5 - PTH073G25CRXXEA M6 - PTH073G25CXXXEA M7 - PTH073G25DRXXEA M8 - PTH073G25DXXXEA M9 - PTH073G25PXXXEA M10 - PTH073G25QRXXEA M11 - PTH073G25QXXXEA M12 - PTH073G25RXXXEA M13 - PTH073G25VXXXEA M14 - PTH073G25WXXXEA M15 - PTH073G35CQXXEA M16 - PTH073G35CXXXEA M17 - PTH073G35DRXXEA M18 - PTH073G35DXXXEA M19 - PTH073G35PXXXEA M20 - PTH073G35QRXXEA M21 - PTH073G35QXXXEA M22 - PTH073G35RVXXEA M23 - PTH073G35RXXXEA M24 - PTH073G35VXXXEA
21	RSKP0012	CONTROL BOARD M70	
31	0130M00599	TRANS, 40VA, 240V/208V TO 24V (M1, M3, M7, M8, M9, M13, M17, M18, M19, M22, M24)	
31	0130M00341	TRANSFORMER 20VA 230V (M2, M3, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14, M15, M16, M17, M18, M20, M21, M22, M23, M24)	
41	0163P00025	CLIP (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)	
51	0121P00130	PANEL, CONTROL	
61	0121P00194BL	SCREEN, DISCHARGE, PAINTED (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)	
71	0261P00003	DOOR ASSY -AMANA- (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)	
81	0261P00011	FRONT ASSY (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)	
101	0161P00035	FILTER, RACK (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)	
121	0130M00179	SPDT RELAY (M9, M19)	
121	0130M00181	SPDT RELAY (M1)	
191	0130M00600	TRANS, 40VA, 240V/208V TO 120V (M9, M19)	
261	0130P00104	ANTENNA (M4, M5, M7, M10, M12, M17, M20, M22, M23)	
291	B1337701	PADDLE SWITCH (M3, M7, M8, M13, M17, M18, M22, M24)	
NS	PCBCP147	PCB, CONTROL, D70 (M9, M19)	

Outdoor Air System / Partition Panel

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY

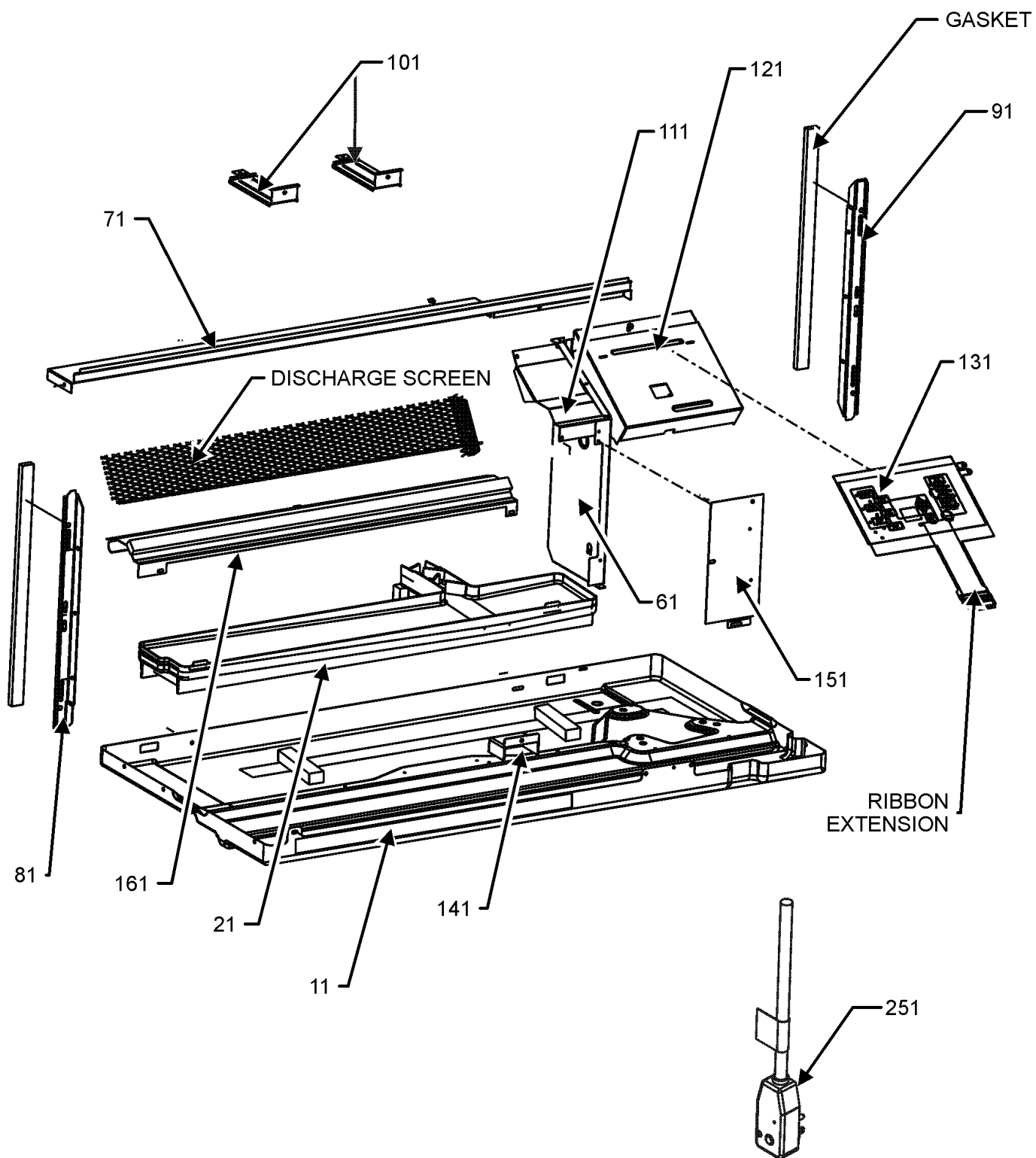


Outdoor Air System / Partition Panel

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00053	SHROUD, CONDENSER	M1 - PTH073G00CHXXEA
21	0131P00033	FAN MOTOR, OUTDOOR	M2 - PTH073G15AXXXEA
31	0121P00093NG	PANEL-PARTITION (M4, M10, M11, M15, M20, M21)	M3 - PTH073G15DXXXEA
31	0121P00108NG	PANEL-PARTITION (M5, M6, M16)	M4 - PTH073G25CQRXXEA
41	0161P00055	FAN, CONDENSER	M5 - PTH073G25CRXXEA
51	C6300502	CAPACITOR STRAP	M6 - PTH073G25CXXXEA
61	CAP020150450CS	CAP, 2/15 MFD/450V/DUAL RD	M7 - PTH073G25DRXXEA
71	802007090	TERMINAL BOARD	M8 - PTH073G25DXXXEA
81	0130P00098	THERMISTOR - OUTDOOR AMBIENT (M3, M4, M5, M7, M8, M9, M10, M12, M13, M17, M18, M19, M20, M22, M23, M24)	M9 - PTH073G25PXXXEA
91	11046302	LEVER ARM (M1, M2, M5, M6, M9, M12, M14, M16, M19, M23)	M10 - PTH073G25QRXXEA
101	0163P00019	CABLE (M1, M2, M5, M6, M9, M12, M14, M16, M19, M23)	M11 - PTH073G25QXXXEA
111	0121P00177NG	DOOR-VENT PTC (M1, M5, M6, M16)	M12 - PTH073G25RXXXEA
121	0121P00079	BRACKET, VENT DOOR (M3, M7, M8, M13, M17, M18, M22, M24)	M13 - PTH073G25VXXXEA
131	0121P00072NG	BRACKET, VENT DOOR-C (M1, M2, M5, M6, M9, M12, M14, M16, M19, M23)	M14 - PTH073G25WXXXEA
131	0121P00180	BRKT, POWER VENT (M3, M7, M8, M13, M17, M18, M22, M24)	M15 - PTH073G35CQXXEA
141	11166401	EXTENSION SPRING (M3, M7, M8, M13, M17, M18, M22, M24)	M16 - PTH073G35CXXXEA
181	11191703	PARTITION PANEL BRACKET (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)	M17 - PTH073G35DRXXEA
191	0130P00137	POWER VENT MOTOR (M3, M7, M8, M13, M17, M18, M22, M24)	M18 - PTH073G35DXXXEA
201	11166201	POWER VENT COVER BRACKET (M3, M7, M8, M13, M17, M18, M22, M24)	M19 - PTH073G35PXXXEA
211	11166101	POWER VENT MOTOR BRACKET (M3, M7, M8, M13, M17, M18, M22, M24)	M20 - PTH073G35QRXXEA
251	0121P00091NG	PANEL-AUXILLIARY (M4, M15)	M21 - PTH073G35QXXXEA
301	PCBEP100	VARIABLE SPEED TERMINAL BOARD	M22 - PTH073G35RVXXEA
NS	0163P00023	CONDENSATE PUMP (M9, M19)	M23 - PTH073G35RXXXEA
NS	0121P00077	CONDENSATE PUMP BRACKET (M9, M19)	M24 - PTH073G35VXXXEA
NS	0130P00133	HUMIDITY SENSOR (M3, M7, M8, M13, M17, M18, M22, M24)	

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:

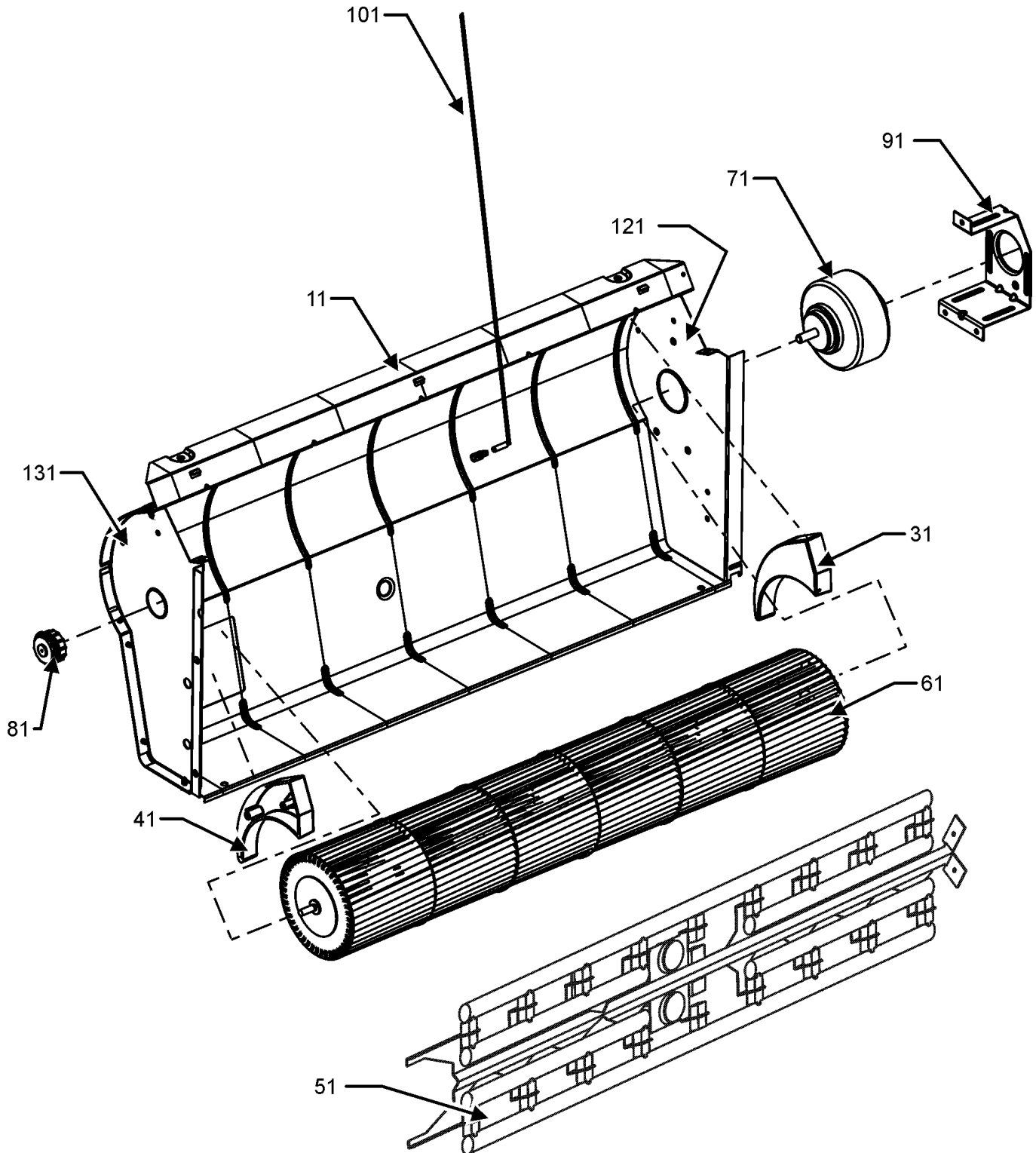
11	0121P00175DG	BASE PAN (M2, M3, M7, M8, M9, M10, M11, M12, M13, M14, M17, M18, M19, M20, M21, M22, M23, M24)
11	0121P00175NG	BASE PAN (M1, M4, M5, M6, M15, M16)
21	0161P00044	PLASTIC-DRAIN PAN
61	20403301	MID PARTITION PANEL
71	0121P00063NG	TOP, PARTITION PANEL
81	0121P00197	SEAL-L SIDE PTC
91	0121P00198	SEAL-R SIDE PTC
101	0121P00071NG	BRACE, TIE (QTY 2)
111	0121P00070DG	COVER, MOTOR
121	0121P00129	COVER-CONTROL PANEL
131	RSKP0015	CONTROL PANEL COVER AND MEMBRANE
141	0161P00016	PLASTIC-HOOD (M1, M2, M3, M5, M6, M7, M8, M9, M12, M13, M14, M16, M17, M18, M19, M22, M23, M24)
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
251	0130P00112	CORD,250VAC, 15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)
251	0130P00115	CORD,250VAC, 20A (LCD) (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTH073G00CHXXEA
 M2 - PTH073G15AXXXEA
 M3 - PTH073G15DXXXEA
 M4 - PTH073G25CQRXXEA
 M5 - PTH073G25CRXXEA
 M6 - PTH073G25CXXXEA
 M7 - PTH073G25DRXXEA
 M8 - PTH073G25DXXXEA
 M9 - PTH073G25PXXXEA
 M10 - PTH073G25QRXXEA
 M11 - PTH073G25QXXXEA
 M12 - PTH073G25RXXXEA
 M13 - PTH073G25VXXXEA
 M14 - PTH073G25WXXXEA
 M15 - PTH073G35CQXXEA
 M16 - PTH073G35CXXXEA
 M17 - PTH073G35DRXXEA
 M18 - PTH073G35DXXXEA
 M19 - PTH073G35PXXXEA
 M20 - PTH073G35QRXXEA
 M21 - PTH073G35QXXXEA
 M22 - PTH073G35RVXXEA
 M23 - PTH073G35RXXXEA
 M24 - PTH073G35VXXXEA

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

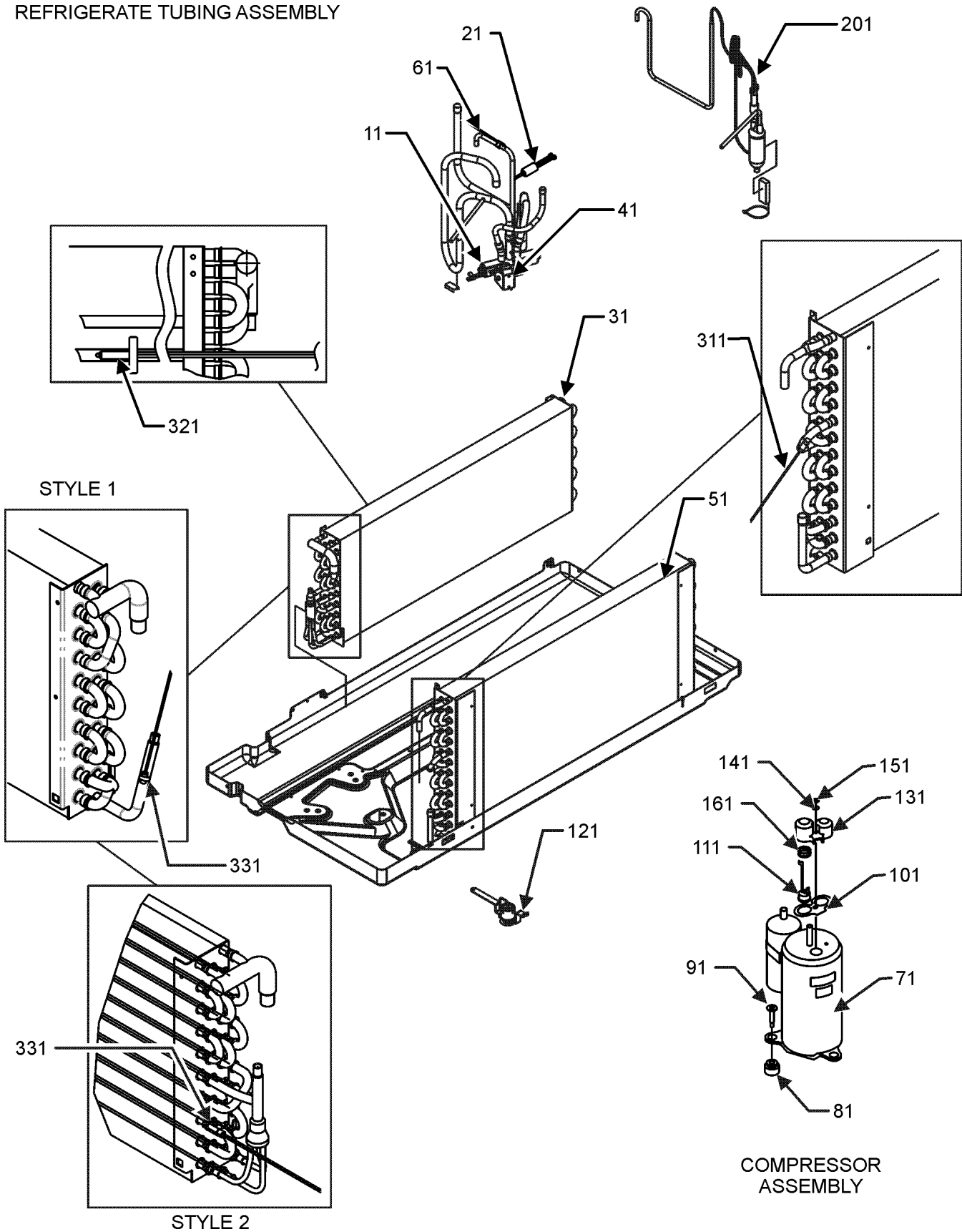
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)
51	0275P00022	HEATER ASSY (M2, M3)
51	0275P00038	HEATER ASSY (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
61	0150P00005	WHEEL, BLOWER
71	0131P00029	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, PNT

Expanded Model Nomenclature

M1 - PTH073G00CHXXEA
 M2 - PTH073G15AXXXEA
 M3 - PTH073G15DXXEA
 M4 - PTH073G25CQRXXEA
 M5 - PTH073G25CRXXEA
 M6 - PTH073G25CXXEA
 M7 - PTH073G25DRXXEA
 M8 - PTH073G25DXXEA
 M9 - PTH073G25PXXEA
 M10 - PTH073G25QRXXEA
 M11 - PTH073G25QXXEA
 M12 - PTH073G25RXXEA
 M13 - PTH073G25VXXEA
 M14 - PTH073G25WXXEA
 M15 - PTH073G35CQXXEA
 M16 - PTH073G35CXXEA
 M17 - PTH073G35DRXXEA
 M18 - PTH073G35DXXEA
 M19 - PTH073G35PXXEA
 M20 - PTH073G35QRXXEA
 M21 - PTH073G35QXXEA
 M22 - PTH073G35RVXXEA
 M23 - PTH073G35RXXEA
 M24 - PTH073G35VXXEA

Refrigerant Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



Refrigerant Tubing Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0151P00009	PTAC REVERSING VALVE ASSY
21	0130M00169	SWITCH, HIGH PRESS
31	0202P00067	EVAP ASSY, 3/8, 2 ROW
41	0130P00022	REVERSING VALVE COIL
51	0201P00097	7 MM CONDENSER COIL ASSY (M2, M3, M7, M8, M10, M11, M12, M13, M14, M17, M18, M20, M21, M22, M23, M24)
51	0201P00113	7MM COND COIL ASSY 2 ROW (M9, M19)
51	0201P00105NG	7MM CONDENSER ASSEMBLY PAINTED (M1, M4, M5, M6, M15, M16)
61	0130P00077	THERMISTOR (M4, M5, M7, M10, M12, M17, M20, M22, M23)
71	39B152AD&9DKZ	COMPRESSOR, RECHI
81	60130203	GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163M00079	SHOULDER SCREW (QTY 3)
101	60100103	TERMINAL GASKET
111	60343542	PROTECTOR, OVERLOAD, RECHI
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	0210P00423	CAPILLARY TUBE WELD
311	0130P00130	THERMISTOR
321	0130P00141	THERMISTOR
331	0130P00084	THERMISTOR - INDOOR COIL
NS	BT1392310	PLASTIC CLAMP, .1875 DIA (M3, M7, M8, M13, M17, M18, M22, M24)

Expanded Model Nomenclature

M1 - PTH073G00CHXXEA
M2 - PTH073G15AXXXEA
M3 - PTH073G15DXXXEA
M4 - PTH073G25CQRXXEA
M5 - PTH073G25CRXXEA
M6 - PTH073G25CXXXEA
M7 - PTH073G25DRXXEA
M8 - PTH073G25DXXXEA
M9 - PTH073G25PXXXEA
M10 - PTH073G25QRXXEA
M11 - PTH073G25QXXXEA
M12 - PTH073G25RXXXEA
M13 - PTH073G25VXXXEA
M14 - PTH073G25WXXXEA
M15 - PTH073G35CQXXEA
M16 - PTH073G35CXXXEA
M17 - PTH073G35DRXXEA
M18 - PTH073G35DXXXEA
M19 - PTH073G35PXXXEA
M20 - PTH073G35QRXXEA
M21 - PTH073G35QXXXEA
M22 - PTH073G35RVXXEA
M23 - PTH073G35RXXXEA
M24 - PTH073G35VXXXEA