

PTH073G Package Terminal Heat Pump

PTH073G00CHXXCA
PTH073G15AXXXCA
PTH073G15DXXXCA
PTH073G25AXXXCA
PTH073G25CQRXCA
PTH073G25CQXXCA
PTH073G25CRXXCA
PTH073G25CXXXCA
PTH073G25DRXXCA
PTH073G25DXXXCA
PTH073G25PXXXCA
PTH073G25QRXXCA
PTH073G25QXXXCA
PTH073G25RXXXCA
PTH073G25VXXXCA
PTH073G25WXXXCA
PTH073G35AXXXCA
PTH073G35CQXXCA
PTH073G35CXXXCA
PTH073G35DRXXCA
PTH073G35DXXXCA
PTH073G35LRVXCA
PTH073G35LRXXCA
PTH073G35PXXXCA
PTH073G35QRXXCA
PTH073G35QXXXCA
PTH073G35RVXXCA
PTH073G35RXXXCA
PTH073G35VXXXCA



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This manual is to be used by qualified technicians only.

This manual replaces RP-A5000M.

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

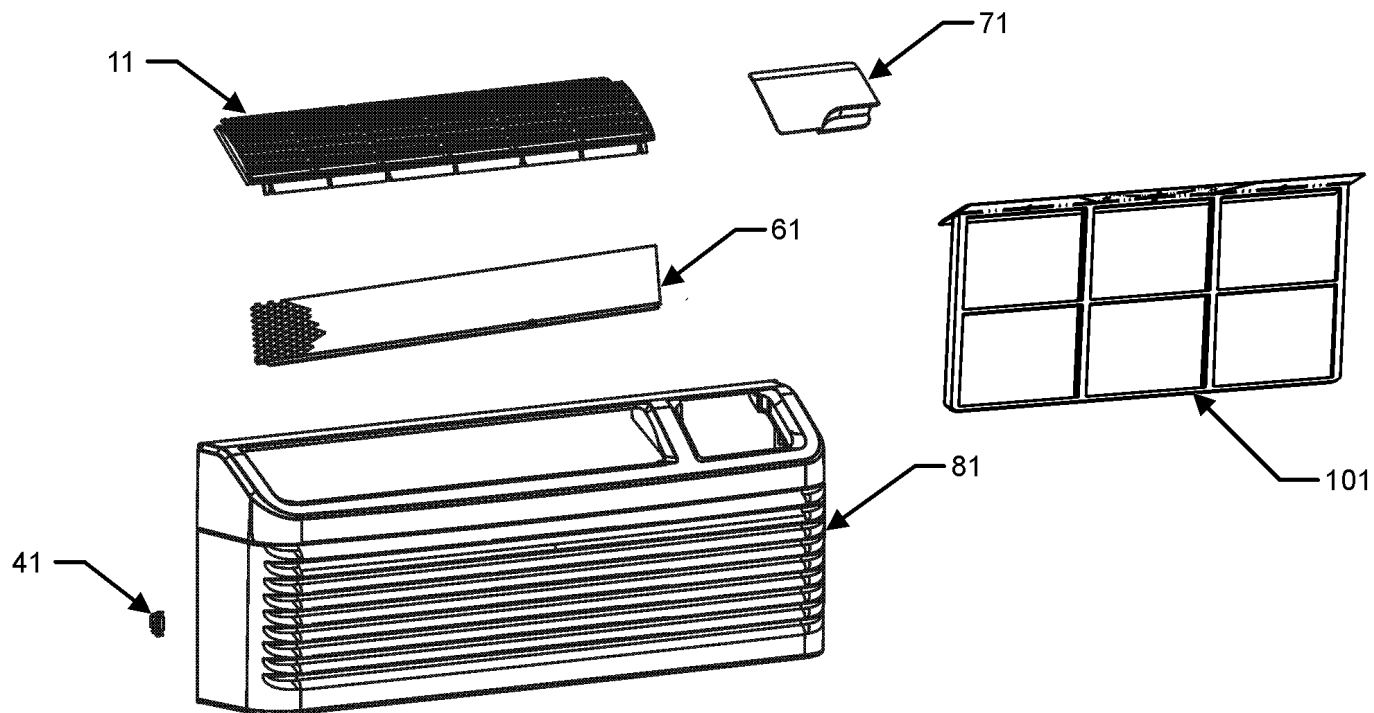
Part

No: Description:

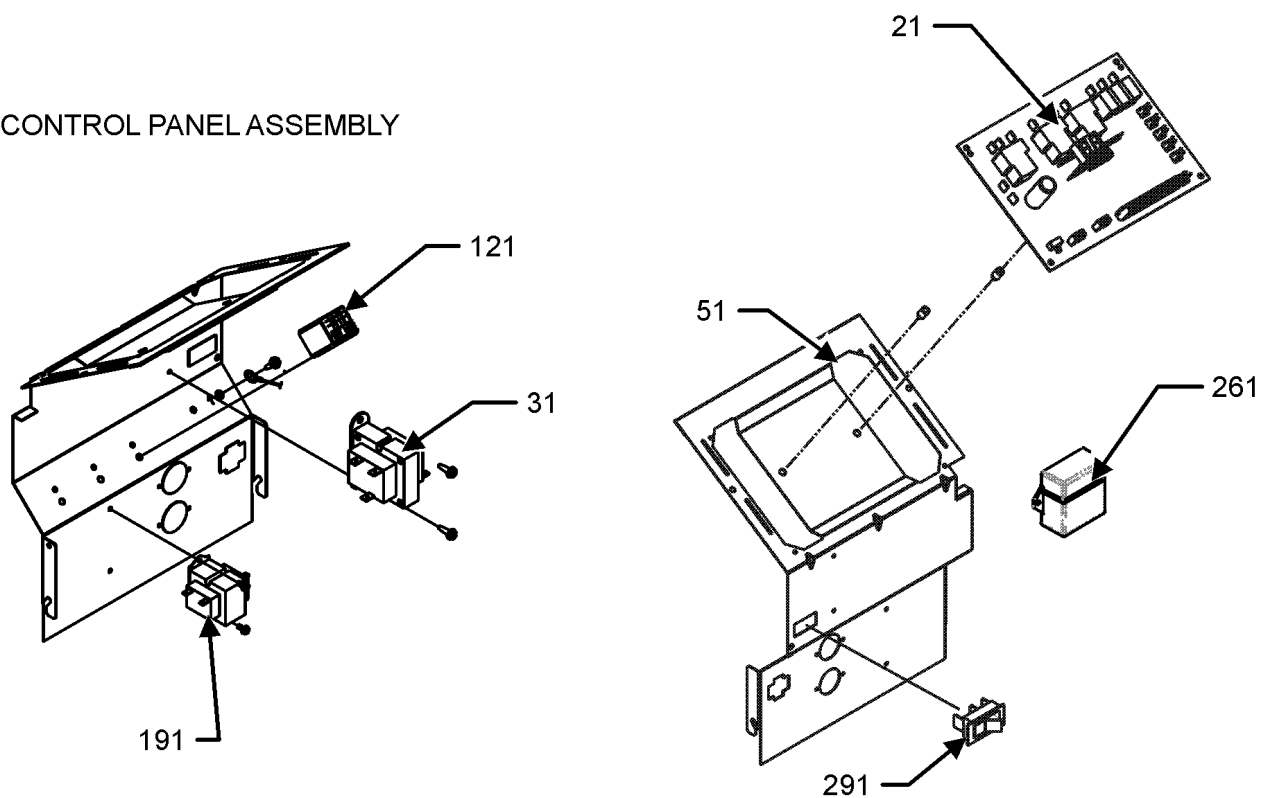
		Expanded Model Nomenclature
20406303	BASE PAN VALVE	M1 - PTH073G00CHXXCA
CAP020200450CS	CAP, 2/20 MFD/450V/DUAL RD	M2 - PTH073G15AXXXCA
39A162AD&9DKZ	COMPRESSOR, RECHI	M3 - PTH073G15DXXXCA
0163P00023	CONDENSATE PUMP (M11, M24)	M4 - PTH073G25AXXXCA
0121P00077	CONDENSATE PUMP BRACKET (M11, M24)	M5 - PTH073G25CQRXXCA
RSKP0012	CONTROL BOARD M70	M6 - PTH073G25CQXXCA
RSKP0015	CONTROL PANEL COVER AND MEMBRANE	M7 - PTH073G25CRXXCA
0130P00112	CORD,250VAC,15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16)	M8 - PTH073G25CXXXCA
0130P00115	CORD,250VAC,20A (LCD) (M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)	M9 - PTH073G25DRXXCA
0131P00029	FAN MOTOR, INDOOR	M10 - PTH073G25DXXXCA
0131P00033	FAN MOTOR, OUTDOOR	M11 - PTH073G25PXXXCA
0161P00055	FAN, CONDENSER	M12 - PTH073G25QRXXCA
0275P00038	HEATER ASSY (M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)	M13 - PTH073G25QXXXCA
0275P00022	HEATER ASSY (M2, M3)	M14 - PTH073G25RXXXCA
0275P00019	HEATER ASSY (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16)	M15 - PTH073G25VXXXCA
0130P00133	HUMIDITY SENSOR (M3, M9, M10, M15, M20, M21, M22, M27, M29)	M16 - PTH073G25WXXXCA
60343516	OVERLOAD PROTECTOR	M17 - PTH073G35AXXXCA
PCBCP147	PCB, CONTROL, D70 (M22, M23)	M18 - PTH073G35CQXXCA
0130P00137	POWER VENT MOTOR (M3, M9, M10, M15, M20, M21, M22, M27, M29)	M19 - PTH073G35CXXXCA
0151P00009	PTAC REVERSING VALVE ASSY	M20 - PTH073G35DRXXCA
0130P00022	REVERSING VALVE COIL	M21 - PTH073G35DXXXCA
0130M00181	SPDT RELAY (M1)	M22 - PTH073G35LRVXXCA
0130M00179	SPDT RELAY (M11, M24)	M23 - PTH073G35LRXXCA
0130M00169	SWITCH, HIGH PRESS	M24 - PTH073G35PXXXCA
802007090	TERMINAL BOARD	M25 - PTH073G35QRXXCA
0130P00141	THERMISTOR	M26 - PTH073G35QXXXCA
0130P00130	THERMISTOR	M27 - PTH073G35RVXXCA
0130P00077	THERMISTOR (M5, M7, M9, M12, M14, M20, M22, M23, M25, M27, M28)	M28 - PTH073G35RXXXCA
0130P00134	THERMISTOR - DISCHARGE	M29 - PTH073G35VXXXCA
0130P00084	THERMISTOR - INDOOR COIL	
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M3, M5, M7, M9, M10, M11, M12, M14, M15, M20, M21, M22, M23, M24, M25, M27, M28, M29)	
0130M00600	TRANS, 40VA, 240V/208V TO 120V (M11, M24)	
0130M00599	TRANS, 40VA, 240V/208V TO 24V (M1, M3, M9, M10, M11, M15, M20, M21, M22, M23, M24, M27, M29)	
0130M00341	TRANSFORMER 20VA 230V (M2, M3, M4, M5, M6, M7, M8, M9, M10, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M25, M26, M27, M28, M29)	
PCBEP100	VARIABLE SPEED TERMINAL BOARD	
0150P00005	WHEEL, BLOWER	

Front Panel / Control Board Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY

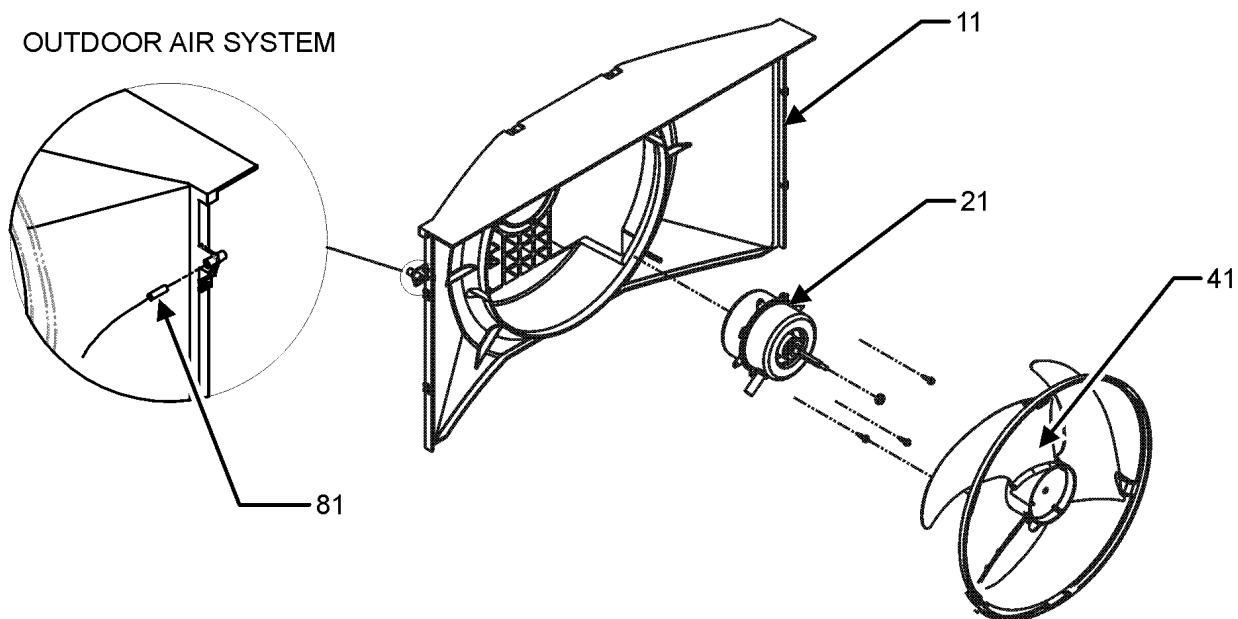


Front Panel / Control Board Assembly

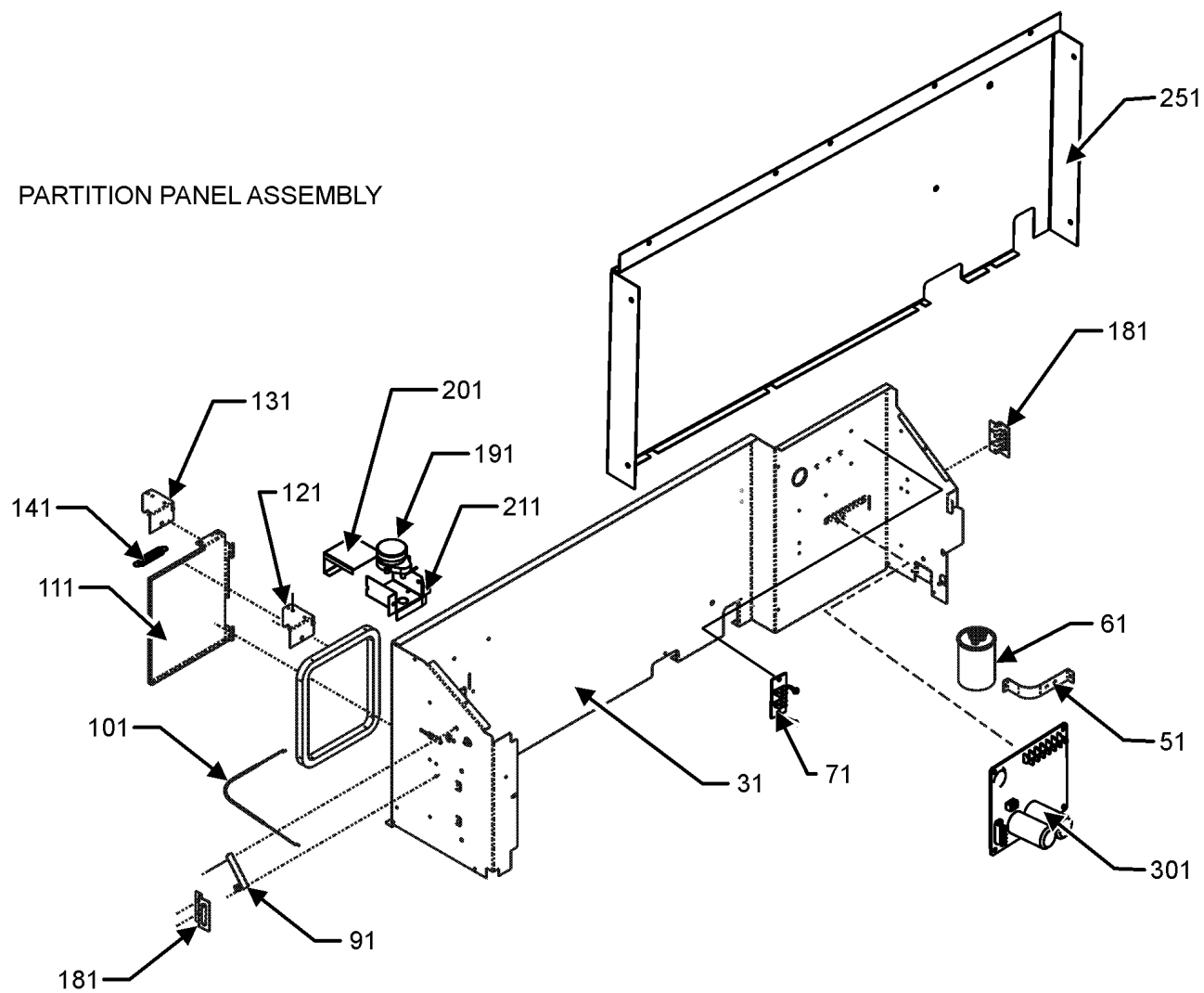
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00048	FRONT, LOUVERS DISCHARGE (M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)	M1 - PTH073G00CHXXCA M2 - PTH073G15A XXXCA M3 - PTH073G15DXXXCA M4 - PTH073G25A XXXCA M5 - PTH073G25CQRXCA M6 - PTH073G25CQXXCA M7 - PTH073G25CRXXCA M8 - PTH073G25CXXXCA M9 - PTH073G25DRXXCA M10 - PTH073G25DXXXCA M11 - PTH073G25PXXXCA M12 - PTH073G25QRXXCA M13 - PTH073G25QXXXCA M14 - PTH073G25RXXXCA M15 - PTH073G25VXXXCA M16 - PTH073G25WXXXCA M17 - PTH073G35A XXXCA M18 - PTH073G35CQXXCA M19 - PTH073G35CXXXCA M20 - PTH073G35DRXXCA M21 - PTH073G35DXXXCA M22 - PTH073G35LRVXCA M23 - PTH073G35LRXXCA M24 - PTH073G35PXXXCA M25 - PTH073G35QRXXCA M26 - PTH073G35QXXXCA M27 - PTH073G35RVXXCA M28 - PTH073G35RXXXCA M29 - PTH073G35VXXXCA
21	RSKP0012	CONTROL BOARD M70	
31	0130M00599	TRANS, 40VA, 240V/208V TO 24V (M1, M3, M9, M10, M11, M15, M20, M21, M22, M23, M24, M27, M29)	
31	0130M00341	TRANSFORMER 20VA 230V (M2, M3, M4, M5, M6, M7, M8, M9, M10, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M25, M26, M27, M28, M29)	
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, M25, M26, M27, M28, M29)	
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, M25, M26, M27, M28, M29)	
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, M25, M26, M27, M28, M29)	
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, M25, M26, M27, M28, M29)	
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, M25, M26, M27, M28, M29)	
121	0130M00179	SPDT RELAY (M11, M24)	
121	0130M00181	SPDT RELAY (M1)	
191	0130M00600	TRANS, 40VA, 240V/208V TO 120V (M11, M24)	
261	0130P00104	ANTENNA (M5, M7, M9, M12, M14, M20, M22, M23, M25, M27, M28)	
291	B1337701	PADDLE SWITCH (M3, M9, M10, M15, M20, M21, M22, M27, M29)	
NS	PCBCP147	PCB, CONTROL, D70 (M22, M23)	

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:

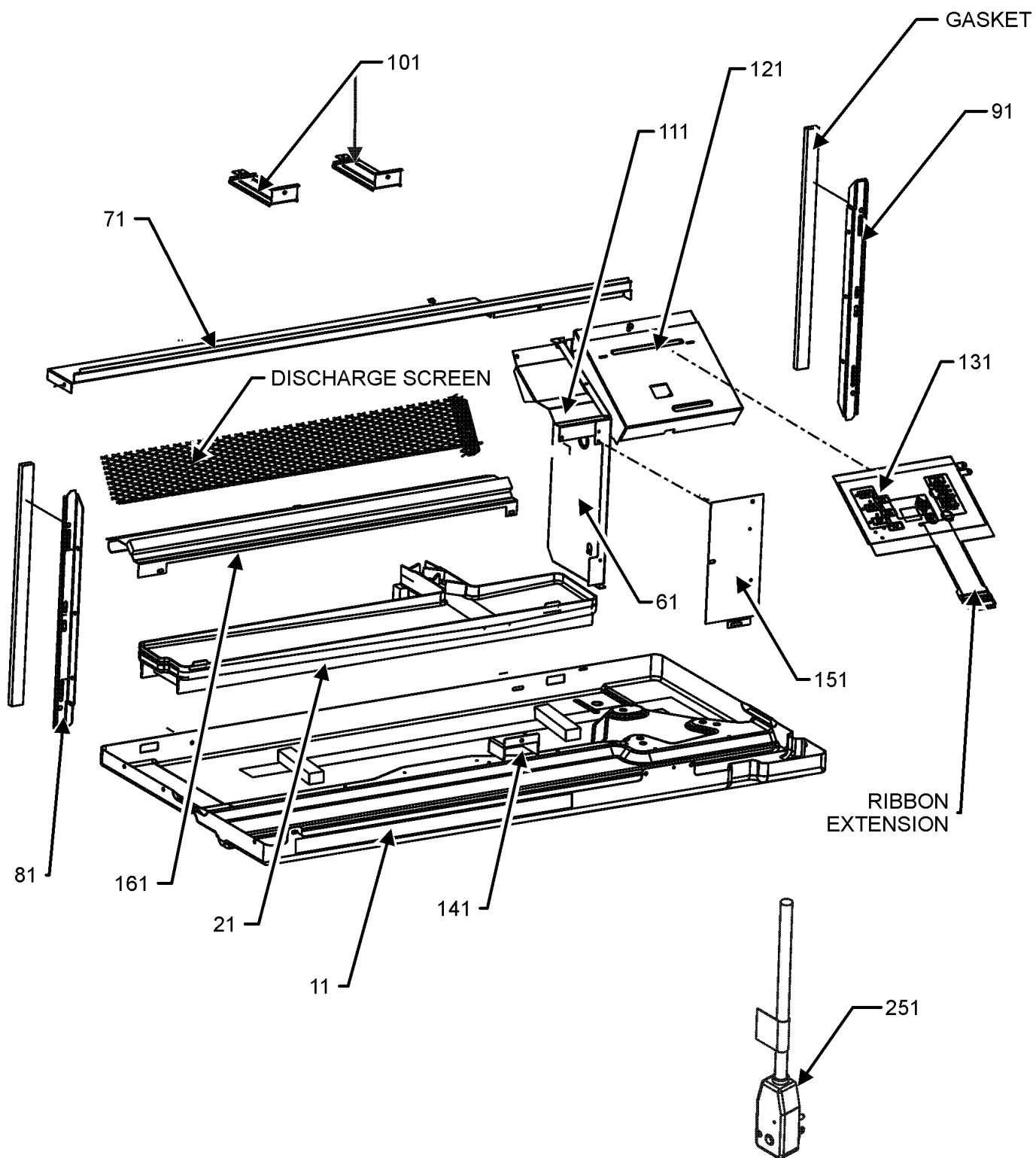
11	0161P00053	SHROUD, CONDENSER
21	0131P00033	FAN MOTOR, OUTDOOR
31	0121P00093NG	PANEL-PARTITION (M5, M6, M18)
31	0121P00108NG	PANEL-PARTITION (M7, M8, M19)
41	0161P00055	FAN, CONDENSER
51	C6300502	CAPACITOR STRAP
61	CAP020200450C S	CAP, 2/20 MFD/450V/DUAL RD
71	802007090	TERMINAL BOARD
81	0130P00098	THERMISTOR - OUTDOOR AMBIENT (M3, M5, M7, M9, M10, M11, M12, M14, M15, M20, M21, M22, M23, M24, M25, M27, M28, M29)
91	11046302	LEVER ARM (M1, M2, M4, M7, M8, M11, M14, M16, M17, M19, M23, M24, M28)
101	0163P00019	CABLE (M1, M2, M4, M7, M8, M11, M14, M16, M17, M19, M23, M24, M28)
111	0121P00177NG	DOOR-VENT PTC (M1, M7, M8, M19)
121	0121P00079	BRACKET, VENT DOOR (M3, M9, M10, M15, M20, M21, M22, M27, M29)
131	0121P00072NG	BRACKET, VENT DOOR-C (M1, M7, M8, M19)
131	0121P00180	BRKT, POWER VENT (M3, M9, M10, M15, M20, M21, M22, M27, M29)
141	11166401	EXTENSION SPRING (M3, M9, M10, M15, M20, M21, M22, M27, M29)
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, M25, M26, M27, M28, M29)
191	0130P00137	POWER VENT MOTOR (M3, M9, M10, M15, M20, M21, M22, M27, M29)
201	11166201	POWER VENT COVER BRACKET (M3, M9, M10, M15, M20, M21, M22, M27, M29)
211	11166101	POWER VENT MOTOR BRACKET (M3, M9, M10, M15, M20, M21, M22, M27, M29)
251	0121P00091NG	PANEL-AUXILLIARY (M5, M6, M18)
301	PCBEP100	VARIABLE SPEED TERMINAL BOARD
NS	0163P00023	CONDENSATE PUMP (M11, M24)
NS	0121P00077	CONDENSATE PUMP BRACKET (M11, M24)
NS	0130P00133	HUMIDITY SENSOR (M3, M9, M10, M15, M20, M21, M22, M27, M29)

Expanded Model Nomenclature

M1 - PTH073G00CHXXCA
M2 - PTH073G15A XXXCA
M3 - PTH073G15DXXXCA
M4 - PTH073G25A XXXCA
M5 - PTH073G25CQRXCA
M6 - PTH073G25CQXXCA
M7 - PTH073G25CRXXCA
M8 - PTH073G25CXXXCA
M9 - PTH073G25DRXXCA
M10 - PTH073G25DXXXCA
M11 - PTH073G25PXXXCA
M12 - PTH073G25QRXXCA
M13 - PTH073G25QXXXCA
M14 - PTH073G25RXXXCA
M15 - PTH073G25VXXXCA
M16 - PTH073G25WXXXCA
M17 - PTH073G35A XXXCA
M18 - PTH073G35CQXXCA
M19 - PTH073G35CXXXCA
M20 - PTH073G35DRXXCA
M21 - PTH073G35DXXXCA
M22 - PTH073G35LRVXCA
M23 - PTH073G35LRXXCA
M24 - PTH073G35PXXXCA
M25 - PTH073G35QRXXCA
M26 - PTH073G35QXXXCA
M27 - PTH073G35RVXXCA
M28 - PTH073G35RXXXCA
M29 - PTH073G35VXXXCA

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

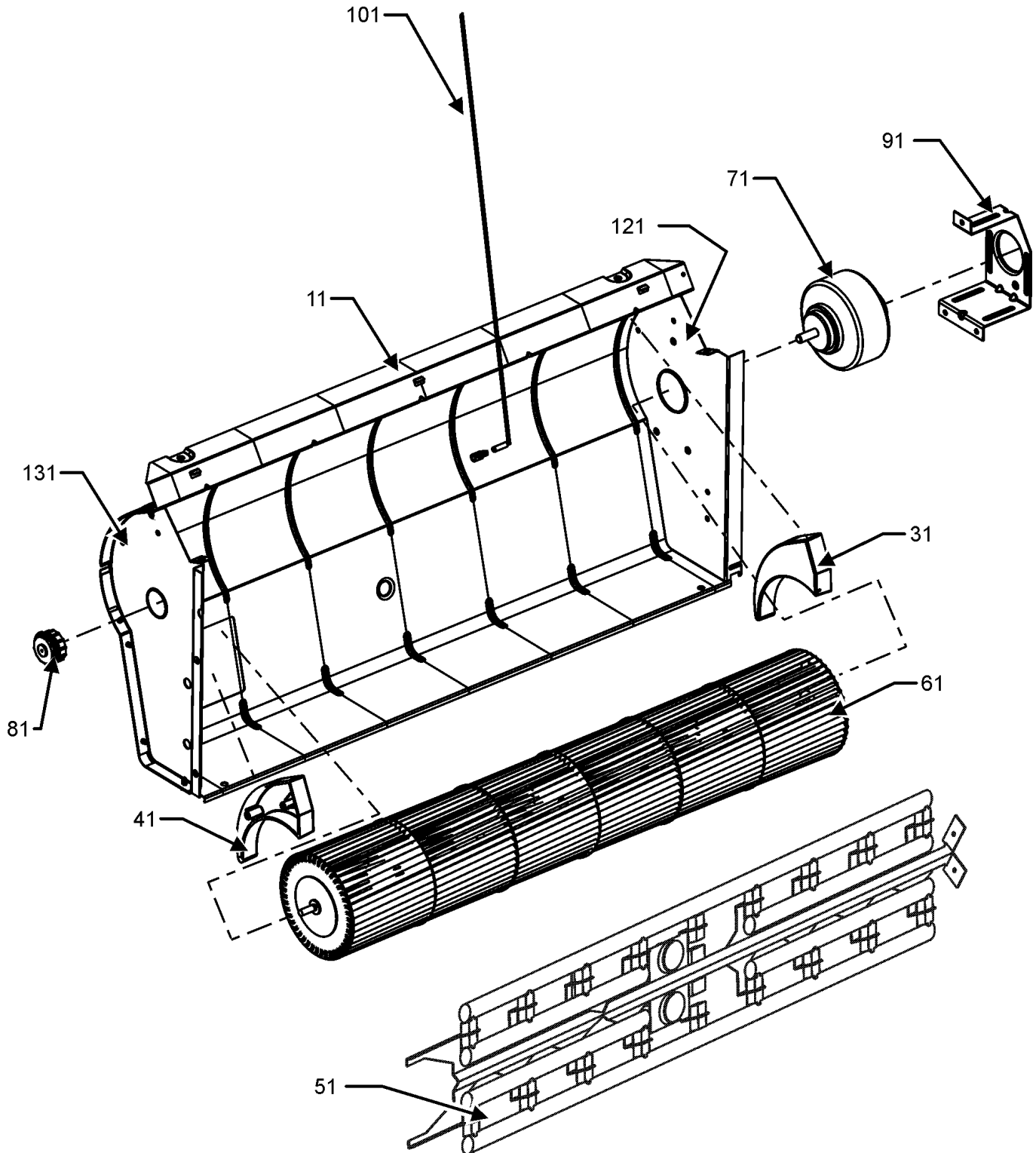
11	0121P00175DG	BASE PAN (M2, M3, M4, M9, M10, M11, M12, M13, M14, M15, M16, M17, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)
11	0121P00175NG	BASE PAN (M1, M5, M6, M7, M8, M18, M19)
21	0161P00044	PLASTIC-DRAIN PAN
61	20403301	MID PARTITION PANEL
71	0121P00063NG	TOP, PARTITION PANEL
81	0121P00197	SEAL-L SIDE PTC
91	0121P00198	SEAL-R SIDE PTC
101	0121P00071NG	BRACE, TIE (QTY 2)
111	0121P00070DG	COVER, MOTOR
121	0121P00280	COVER-CONTROL PANEL
131	RSKP0015	CONTROL PANEL COVER AND MEMBRANE
141	0161P00016	PLASTIC-HOOD (M1, M2, M3, M4, M7, M8, M9, M10, M11, M14, M15, M16, M17, M19, M20, M21, M22, M23, M24, M27, M28, M29)
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, M15, M16)
251	0130P00115	CORD,250VAC, 20A (LCD) (M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTH073G00CHXXCA
 M2 - PTH073G15A XXXCA
 M3 - PTH073G15DXXXCA
 M4 - PTH073G25A XXXCA
 M5 - PTH073G25CQRXCA
 M6 - PTH073G25CQXXCA
 M7 - PTH073G25CRXXCA
 M8 - PTH073G25CXXXCA
 M9 - PTH073G25DRXXCA
 M10 - PTH073G25DXXXCA
 M11 - PTH073G25PXXXCA
 M12 - PTH073G25QRXXCA
 M13 - PTH073G25QXXXCA
 M14 - PTH073G25RXXXCA
 M15 - PTH073G25VXXXCA
 M16 - PTH073G25WXXXCA
 M17 - PTH073G35A XXXCA
 M18 - PTH073G35CQXXCA
 M19 - PTH073G35CXXXCA
 M20 - PTH073G35DRXXCA
 M21 - PTH073G35DXXXCA
 M22 - PTH073G35LRVXCA
 M23 - PTH073G35LRXXCA
 M24 - PTH073G35PXXXCA
 M25 - PTH073G35QRXXCA
 M26 - PTH073G35QXXXCA
 M27 - PTH073G35RVXXCA
 M28 - PTH073G35RXXXCA
 M29 - PTH073G35V XXXCA

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

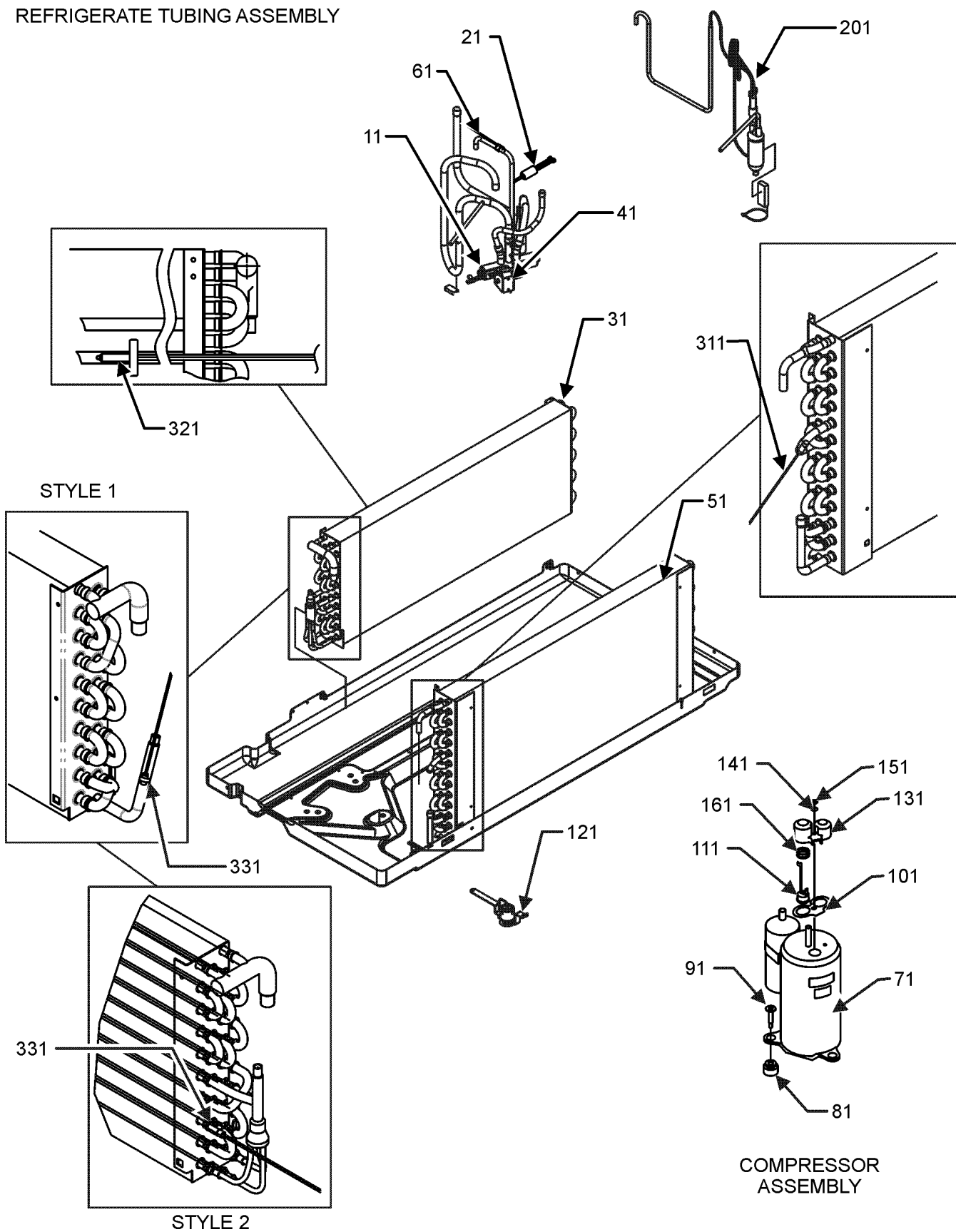
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16)
51	0275P00022	HEATER ASSY (M2, M3)
51	0275P00038	HEATER ASSY (M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29)
61	0150P00005	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 - PTH073G00CHXXCA
 M2 - PTH073G15AXXXCA
 M3 - PTH073G15DXXXCA
 M4 - PTH073G25AXXXCA
 M5 - PTH073G25CQRXCA
 M6 - PTH073G25CQXXCA
 M7 - PTH073G25CRXXCA
 M8 - PTH073G25CXXXCA
 M9 - PTH073G25DRXXCA
 M10 - PTH073G25DXXXCA
 M11 - PTH073G25PXXXCA
 M12 - PTH073G25QRXXCA
 M13 - PTH073G25QXXXCA
 M14 - PTH073G25RXXXCA
 M15 - PTH073G25VXXXCA
 M16 - PTH073G25WXXXCA
 M17 - PTH073G35AXXXCA
 M18 - PTH073G35CQXXCA
 M19 - PTH073G35CXXXCA
 M20 - PTH073G35DRXXCA
 M21 - PTH073G35DXXXCA
 M22 - PTH073G35LRVXCA
 M23 - PTH073G35LRXXCA
 M24 - PTH073G35PXXXCA
 M25 - PTH073G35QRXXCA
 M26 - PTH073G35QXXXCA
 M27 - PTH073G35RVXXCA
 M28 - PTH073G35RXXXCA
 M29 - PTH073G35VXXXCA

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, M4, M9, M10, M12, M13, M14, M15, M16, M17, M20, M21, M22, M23, M25, M26, M27, M28, M29)
51	0201P00113	7MM COND COIL ASSY 2 ROW (M11, M24)
51	0201P00105NG	7MM CONDENSER ASSEMBLY PAINTED (M1, M5, M6, M7, M8, M18, M19)
61	0130P00077	THERMISTOR (M5, M7, M9, M12, M14, M20, M22, M23, M25, M27, M28)
71	39A162AD&9DKZ	COMPRESSOR, RECHI
81	60130203	GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163M00079	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	0210P00276	CAPILLARY TUBE WELD
311	0130P00130	THERMISTOR
321	0130P00141	THERMISTOR
331	0130P00084	THERMISTOR - INDOOR COIL
NS	BT1392310	PLASTIC CLAMP, .1875 DIA (M3, M9, M10, M15, M20, M21, M22, M27, M29)

Expanded Model Nomenclature

M1 - PTH073G00CHXXCA
M2 - PTH073G15A XXXCA
M3 - PTH073G15DXXXCA
M4 - PTH073G25A XXXCA
M5 - PTH073G25CQRXCA
M6 - PTH073G25CQXXCA
M7 - PTH073G25CRXXCA
M8 - PTH073G25CXXXCA
M9 - PTH073G25DRXXCA
M10 - PTH073G25DXXXCA
M11 - PTH073G25PXXXCA
M12 - PTH073G25QRXXCA
M13 - PTH073G25QXXXCA
M14 - PTH073G25RXXXCA
M15 - PTH073G25VXXXCA
M16 - PTH073G25WXXXCA
M17 - PTH073G35A XXXCA
M18 - PTH073G35CQXXCA
M19 - PTH073G35CXXXCA
M20 - PTH073G35DRXXCA
M21 - PTH073G35DXXXCA
M22 - PTH073G35LRVXCA
M23 - PTH073G35LRXXCA
M24 - PTH073G35PXXXCA
M25 - PTH073G35QRXXCA
M26 - PTH073G35QXXXCA
M27 - PTH073G35RVXXCA
M28 - PTH073G35RXXXCA
M29 - PTH073G35V XXXCA