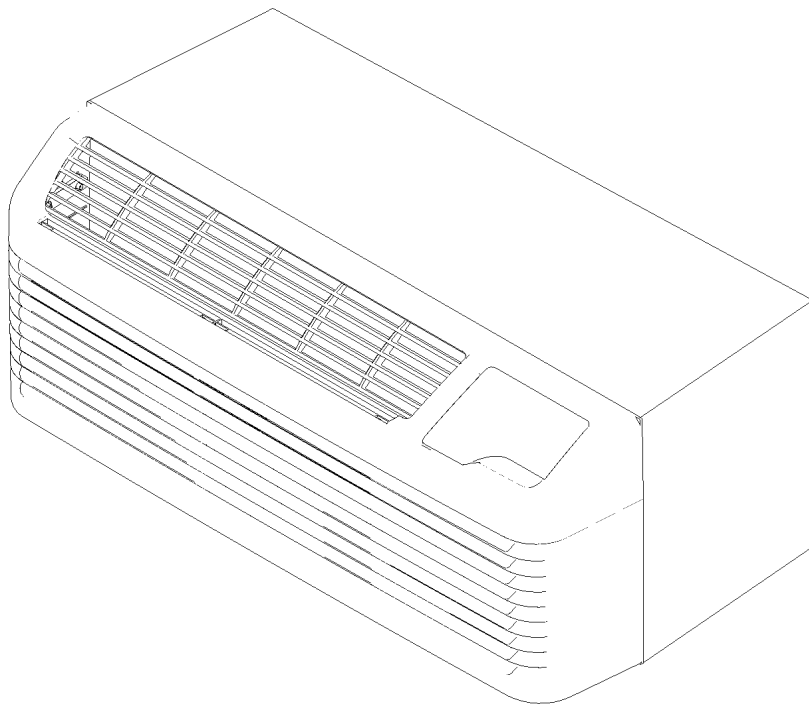


PTH073G Series PTAC Heat Pump

PTH073G15AXXXAA
PTH073G15DXXXAA
PTH073G25AXXXAA
PTH073G25CQXXAA
PTH073G25CRXXAA
PTH073G25CXXXAA
PTH073G25DRXXAA
PTH073G25DXXXAA
PTH073G25PXXXAA
PTH073G25QXXXAA
PTH073G25RXXXAA
PTH073G25VXXXAA
PTH073G35AXXXAA
PTH073G35CXXXAA
PTH073G35DXXXAA
PTH073G35PXXXAA
PTH073G35QRXXAA
PTH073G35QXXXAA
PTH073G35RXXXAA
PTH073G35VXXXAA



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This manual is to be used by qualified technicians only.

This manual replaces RP-731.

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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:

Consumer Affairs Department
Goodman Company, L.P.
7401 Security Way
Houston, Texas 77040
877-254-4729-Telephone
713-863-2382-Facsimile

For assistance outside the U.S.A. contact:

International Division
Goodman Company, L.P.
7401 Security Way
Houston, Texas 77040
713-861-2500-Telephone
713-863-2382-Facsimile

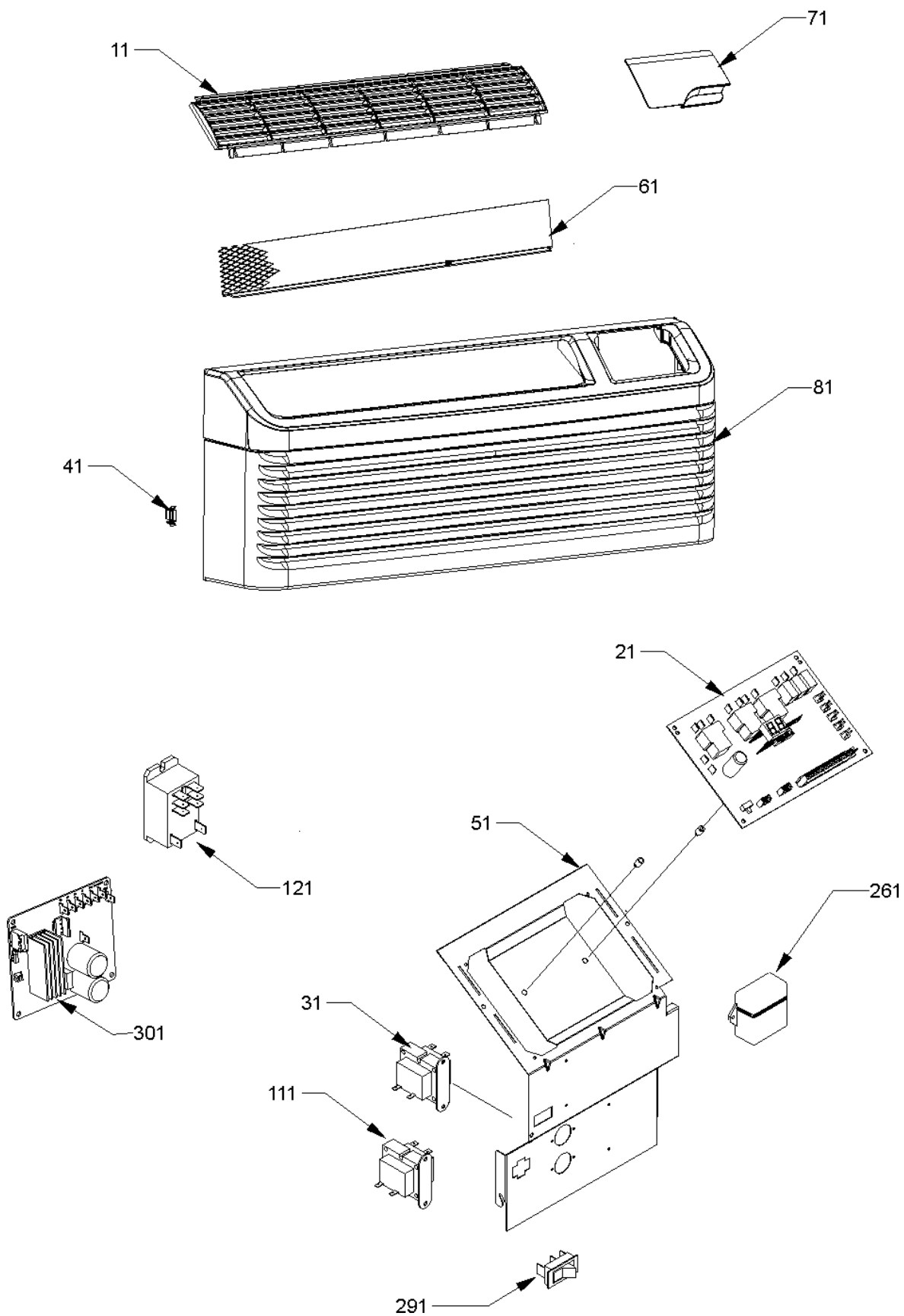
Functional Parts

Part

No: Description:

		Expanded Model Nomenclature
20406303	BASE PAN VALVE (M1, M2, M3, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14, M15, M17, M18, M19, M20)	M1 - PTH073G15AXXXAA M2 - PTH073G15DXXXAA M3 - PTH073G25AXXXAA M4 - PTH073G25CQXXXAA M5 - PTH073G25CRXXXAA M6 - PTH073G25CXXXAA M7 - PTH073G25DRXXXAA M8 - PTH073G25DXXXAA M9 - PTH073G25PXXXAA M10 - PTH073G25QXXXAA M11 - PTH073G25RXXXAA M12 - PTH073G25VXXXAA M13 - PTH073G35AXXXAA M14 - PTH073G35CXXXAA M15 - PTH073G35DXXXAA M16 - PTH073G35PXXXAA M17 - PTH073G35QRXXXAA M18 - PTH073G35QXXXAA M19 - PTH073G35RXXXAA M20 - PTH073G35VXXXAA
CAP020000440RP	CAPACITOR	
39A162A	COMPRESSOR, RECHI	
RSKP0010	CONTROL BOARD M61	
RSKP0005	CONTROL PANEL COVER AND MEMBRANE	
0130P00069	CORD, 250VAC, 15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	
0130P00058	CORD, 250VAC, 20A (LCD) (M13, M14, M15, M16, M17, M18, M19, M20)	
0131P00035	FAN MOTOR, INDOOR	
0131P00030	FAN MOTOR, OUTDOOR DC	
0161P00030	FAN, CONDENSER	
0275P00022	HEATER ASSY (M1, M2)	
0275P00020	HEATER ASSY (M13, M14, M15, M16, M17, M18, M19, M20)	
0275P00019	HEATER ASSY (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	
60343516	OVERLOAD PROTECTOR	
11172801	POWER VENT MOTOR (M2, M7, M8, M12, M15, M20)	
0130M00096	RELAY	
C8873917	RELAY (HYDRONIC) (M9, M16)	
C8873932	RELAY (POWER VENT) (M2, M7, M8, M12, M15, M20)	
0151P00000	REVERSING VALVE ASSY-230V	
0130P00022	REVERSING VALVE COIL	
0130P00073	THERMISTOR	
0130P00098	THERMISTOR (M5, M7, M11, M17, M19)	
0130P00075	THERMISTOR	
0130P00077	THERMISTOR (M5, M7, M11, M17, M19)	
0130P00085	THERMISTOR, .312 CLIP, BLUE	
0130P00084	THERMISTOR, .375 CLIP, RED	
0130M00149	Trans, .40VA, 240V/208V to 24V (M2, M7, M8, M12, M15, M20)	
0130M00150	Trans, .40VA, 240V/208V to 120V (M9, M16)	
0130M00152	TRANSFORMER	
PCBEP101	VARIABLE SPEED TERMINAL BOARD	
0150P00004	WHEEL, BLOWER	

Front Assy



Front Assy

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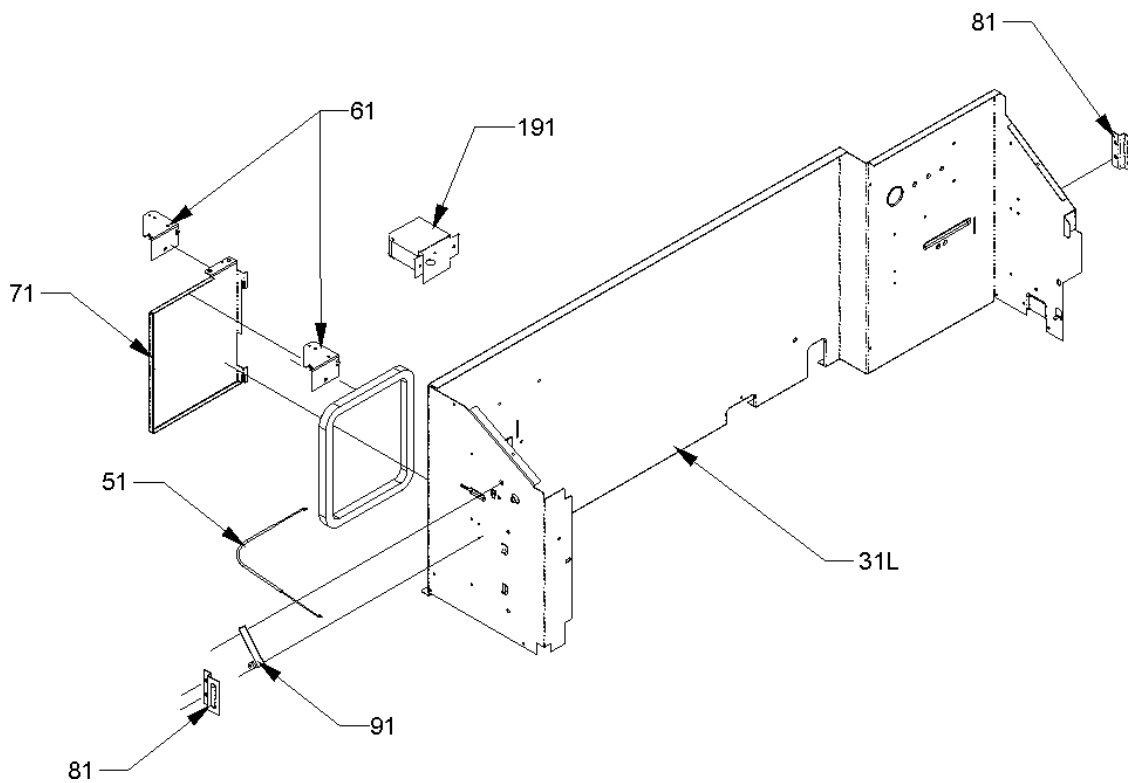
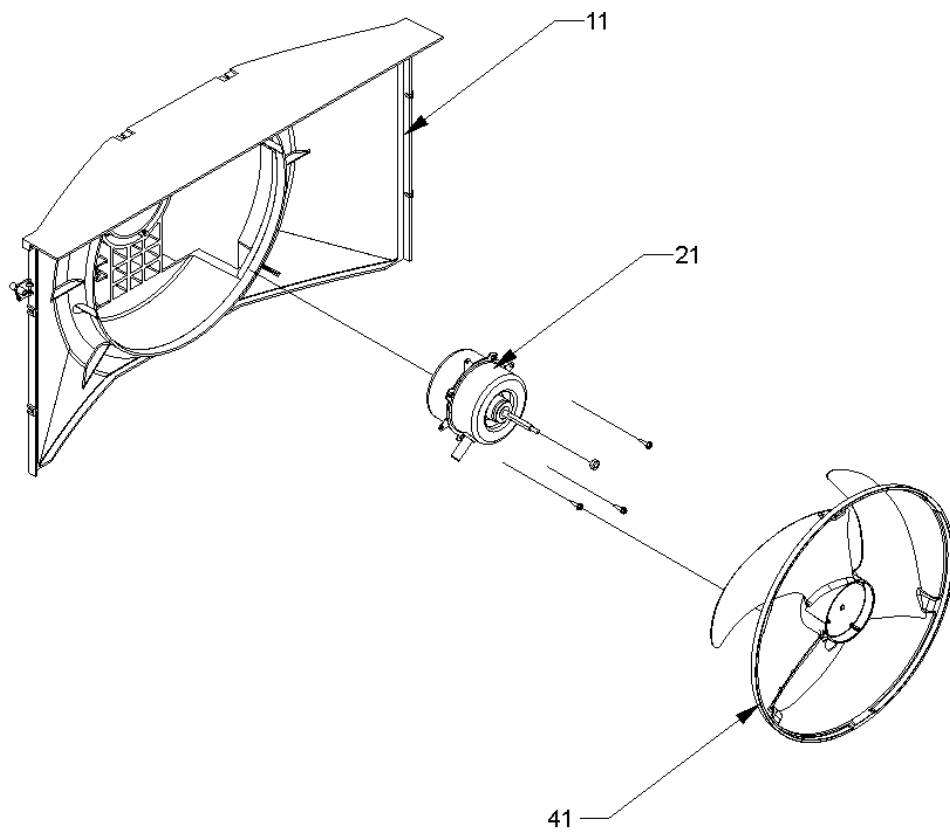
Image 1:

11	0261P00011	FRONT-DICHARGE LOUVERS
21	RSKP0010	CONTROL BOARD M61
31	0130M00152	TRANSFORMER
41	0163P00025	CLIP (QTY 2)
51	0121P00001P	CONTROL PANEL COVER
61	0121P00073	SCREEN, DISCHARGE
71	0261P00003	DOOR ASSY -AMANA-
81	0261P00011	FRONT ASSY
111	0130M00149	Trans. ,40VA, 240V/208V to 24V (M2, M7, M8, M12, M15, M20)
111	0130M00150	Trans.,40VA, 240V/208V to 120V (M9, M16)
121	0130M00096	RELAY
121	C8873917	RELAY (HYDRONIC) (M9, M16)
121	C8873932	RELAY (POWER VENT) (M2, M7, M8, M12, M15, M20)
261	DT01A	DIGITENNA (M5, M7, M11, M17, M19)
291	B1337701	PADDLE SWITCH (M2, M7, M8, M12, M15, M20)
301	PCBEP101	VARIABLE SPEED TERMINAL BOARD
NS	0161P00035	FILTER, RACK (QTY 2)
NS	B1160701	TERMINAL BOARD (M2, M7, M8, M12, M15, M20)

Expanded Model Nomenclature

M1 - PTH073G15AXXXAA
M2 - PTH073G15DXXXAA
M3 - PTH073G25AXXXAA
M4 - PTH073G25CQXXAA
M5 - PTH073G25CRXXAA
M6 - PTH073G25CXXXAA
M7 - PTH073G25DRXXAA
M8 - PTH073G25DXXXAA
M9 - PTH073G25PXXXAA
M10 - PTH073G25QXXXAA
M11 - PTH073G25RXXXAA
M12 - PTH073G25VXXXAA
M13 - PTH073G35AXXXAA
M14 - PTH073G35CXXXAA
M15 - PTH073G35DXXXAA
M16 - PTH073G35PXXXAA
M17 - PTH073G35QRXXAA
M18 - PTH073G35QXXXAA
M19 - PTH073G35RXXXAA
M20 - PTH073G35VXXXAA

Chassis Control Panel



Chassis Control Panel

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

11	0161P00026	SHROUD, CONDENSER
21	0131P00030	FAN MOTOR, OUTDOOR DC
31	0121P00093DG	PANEL-PARTITION PNT (M4, M10, M17, M18)
31	0121P00108DG	PANEL-PARTITION PNT (M1, M2, M3, M5, M6, M7, M8, M9, M11, M12, M13, M14, M15, M16, M19, M20)
41	0161P00030	FAN, CONDENSER
51	0163P00019	CABLE
61	0121P00079	BRACKET, VENT DOOR (M2, M7, M8, M12, M15, M20)
61	0121P00072DG	BRACKET, VENT DOOR-C (M1, M3, M5, M6, M9, M11, M13, M14, M16, M19)
61	0121P00080	BRKT, POWER VENT (M2, M7, M8, M12, M15, M20)
61	11166101	POWER VENT MOTOR BRACKET (M2, M7, M8, M12, M15, M20)
71	11046105PDG	VENT DOOR (M1, M2, M3, M5, M6, M7, M8, M9, M11, M12, M13, M14, M15, M16, M19, M20)
81	11191703	PARTITION PANEL BRACKET (QTY 2)
91	11046302	LEVER ARM (M1, M3, M5, M6, M9, M11, M13, M14, M16, M19)
191	0270P00997	POWER DOOR ASSY (M2, M7, M8, M15)
NS	11166401	EXTENSION SPRING (M2, M7, M8, M12, M15, M20)
NS	0121P00091DG	PANEL AUXILIARY, PNT (M4, M10, M17, M18)
NS	11166201	POWER VENT COVER BRACKET (M2, M7, M8, M12, M15, M20)
NS	11172801	POWER VENT MOTOR (M2, M7, M8, M12, M15, M20)
NS	0130P00077	THERMISTOR (M5, M7, M11, M17, M19)
NS	0130P00098	THERMISTOR (M5, M7, M11, M17, M19)

Expanded Model Nomenclature

M1 - PTH073G15AXXXAA
M2 - PTH073G15DXXXAA
M3 - PTH073G25AXXXAA
M4 - PTH073G25CQXXAA
M5 - PTH073G25CRXXAA
M6 - PTH073G25CXXXAA
M7 - PTH073G25DRXXAA
M8 - PTH073G25DXXXAA
M9 - PTH073G25PXXXAA
M10 - PTH073G25QXXXAA
M11 - PTH073G25RXXXAA
M12 - PTH073G25VXXXAA
M13 - PTH073G35AXXXAA
M14 - PTH073G35CXXXAA
M15 - PTH073G35DXXXAA
M16 - PTH073G35PXXXAA
M17 - PTH073G35QRXXAA
M18 - PTH073G35QXXXAA
M19 - PTH073G35RXXXAA
M20 - PTH073G35VXXXAA

This exploded perspective view illustrates the assembly of a printer. The main body is labeled 11. Two small components, 101, are shown at the top left. A long, thin component, 161, is positioned above the main body. A component, 141, is shown below the main body. A component, 171, is shown below the main body. A component, 71, is shown at the top right. A component, 21, is shown below the main body. A component, 131, is shown below the main body. A component, 81, is shown below the main body. A component, 51, is shown below the main body. A component, 151, is shown below the main body. A component, 121, is shown at the bottom right. A label 'Ribbon Extension' points to a component on the right side of the assembly.

Partition Assy

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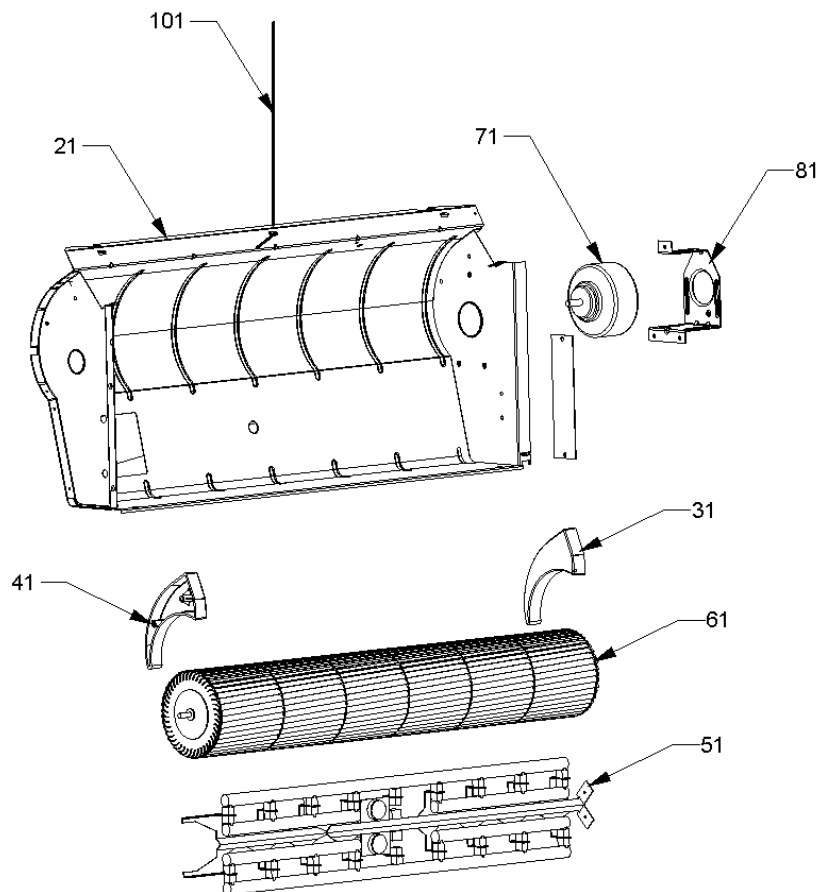
Image 1:

11	0121P00056DG	BASEPAN, PNT
21	0161P00044	PLASTIC-DRAIN PAN
51	C6300502	CAPACITOR STRAP
71	0121P00063DG	TOP, PARTITION PANEL PNT
81	CAP020000440RP	CAPACITOR
101	0121P00071	BRACE, TIE (QTY 2)
121	0130P00069	CORD, 250VAC, 15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
121	0130P00058	CORD, 250VAC, 20A (LCD) (M13, M14, M15, M16, M17, M18, M19, M20)
131	RSKP0005	CONTROL PANEL COVER AND MEMBRANE
141	0161P00016	PLASTIC-HOOD
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
171	0121P00070DG	COVER, MOTOR PNT
NS	20403301	MID PARTITION PANEL
NS	20416201	SEAL-L SIDE PTC
NS	20416101	SEAL-R SIDE PTC

Expanded Model Nomenclature

M1 - PTH073G15AXXXAA
 M2 - PTH073G15DXXXAA
 M3 - PTH073G25AXXXAA
 M4 - PTH073G25CQXXAA
 M5 - PTH073G25CRXXAA
 M6 - PTH073G25CXXXAA
 M7 - PTH073G25DRXXAA
 M8 - PTH073G25DXXXAA
 M9 - PTH073G25PXXXAA
 M10 - PTH073G25QXXXAA
 M11 - PTH073G25RXXXAA
 M12 - PTH073G25VXXXAA
 M13 - PTH073G35AXXXAA
 M14 - PTH073G35CXXXAA
 M15 - PTH073G35DXXXAA
 M16 - PTH073G35PXXXAA
 M17 - PTH073G35QRXXAA
 M18 - PTH073G35QXXXAA
 M19 - PTH073G35RXXXAA
 M20 - PTH073G35VXXXAA

Indoor Assy



Indoor Assy

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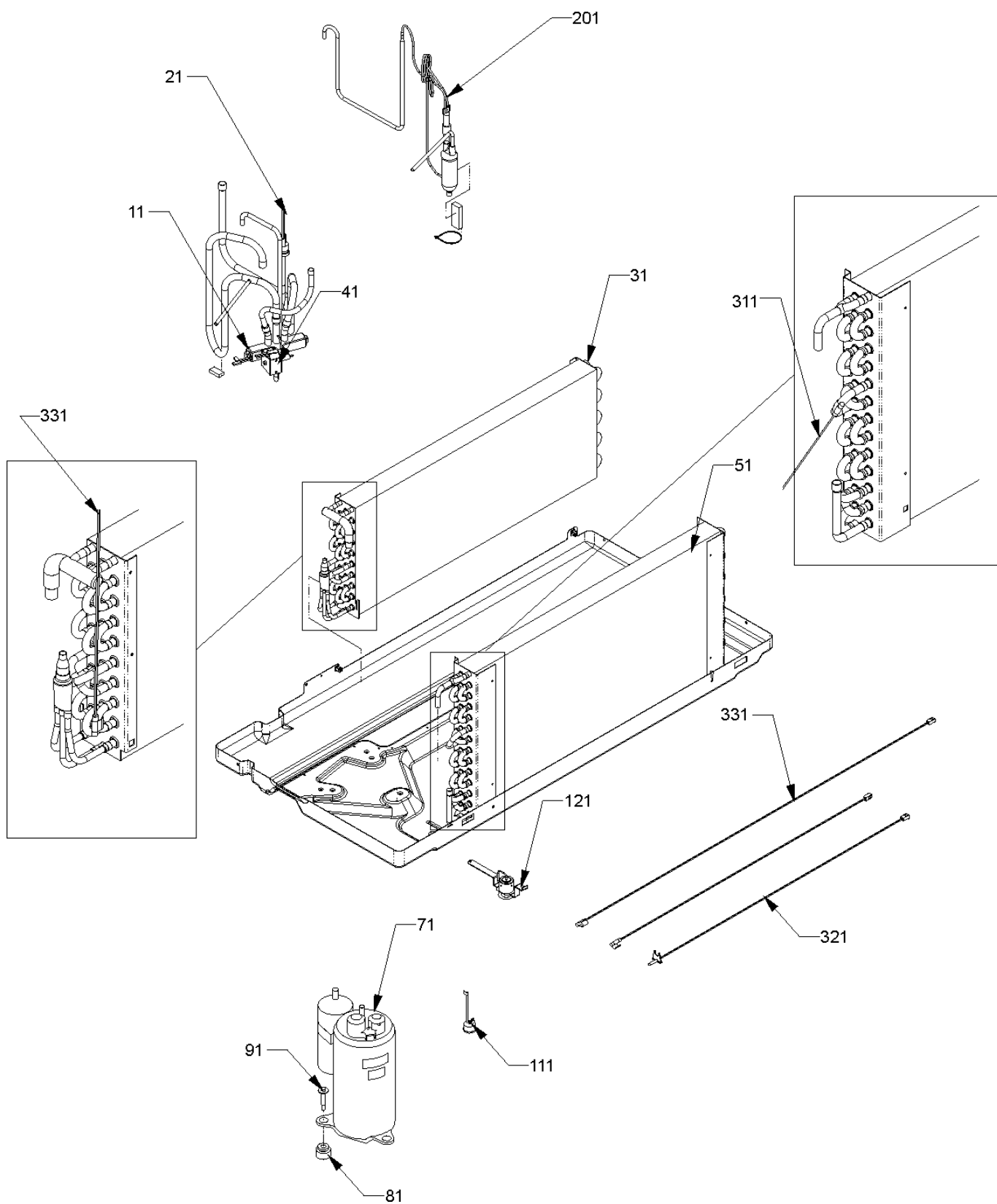
Image 1:

21	0270P01070	SCROLL ASSY
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
51	0275P00020	HEATER ASSY (M13, M14, M15, M16, M17, M18, M19, M20)
51	0275P00022	HEATER ASSY (M1, M2)
61	0150P00004	WHEEL, BLOWER
71	0131P00035	FAN MOTOR, INDOOR
81	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00075	THERMISTOR
NS	0163P00027	BEARING

Expanded Model Nomenclature

M1 - PTH073G15AXXXAA
 M2 - PTH073G15DXXXAA
 M3 - PTH073G25AXXXAA
 M4 - PTH073G25CQXXAA
 M5 - PTH073G25CRXXAA
 M6 - PTH073G25CXXXAA
 M7 - PTH073G25DRXXAA
 M8 - PTH073G25DXXXAA
 M9 - PTH073G25PXXXAA
 M10 - PTH073G25QXXXAA
 M11 - PTH073G25RXXXAA
 M12 - PTH073G25VXXXAA
 M13 - PTH073G35AXXXAA
 M14 - PTH073G35CXXXAA
 M15 - PTH073G35DXXXAA
 M16 - PTH073G35PXXXAA
 M17 - PTH073G35QRXXAA
 M18 - PTH073G35QXXXAA
 M19 - PTH073G35RXXXAA
 M20 - PTH073G35VXXXAA

Tubing Assy



Tubing Assy

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

11	0151P00000	REVERSING VALVE ASSY-230V
21	0130M00132	HIGH PRESSURE SWITCH
31	0202P00067	EVAP ASSY, 3/8, 2 ROW
41	0130P00022	REVERSING VALVE COIL
51	0201P00082	COND ASSY, 5/16, 2 ROW (M1, M2, M3, M7, M8, M9, M10, M11, M12, M13, M15, M16, M17, M18, M19, M20)
51	0201P00085DG	CONDENSER ASSY PNT (M4, M5, M6, M14)
71	39A162A	COMPRESSOR, RECHI
81	60110202	GROMMET - RECHI COMPRESSOR (QTY 3)
91	M0253661	SHOULDER SCREW (QTY 3)
111	60343516	OVERLOAD PROTECTOR
121	20406303	BASE PAN VALVE (M1, M2, M3, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14, M15, M17, M18, M19, M20)
201	0210P00178	CAPILLARY WELDMENT
311	0130P00085	THERMISTOR, .312 CLIP, BLUE
321	0130P00073	THERMISTOR
331	0130P00084	THERMISTOR, .375 CLIP, RED
NS	60500101	OLP SPRING - RECHI COMPRESSOR
NS	BT1392310	PLASTIC CLAMP, .1875 DIA (M2, M7, M8, M12, M15, M20)
NS	60100314	TERMINAL COVER - RECHI COMP
NS	60100103	TERMINAL GASKET
NS	60100401	TERMINAL NUT - RECHI COMP
NS	60100201	WASHER - RECHI COMPRESSOR

Expanded Model Nomenclature

M1 - PTH073G15AXXXAA
M2 - PTH073G15DXXXAA
M3 - PTH073G25AXXXAA
M4 - PTH073G25CQXXAA
M5 - PTH073G25CRXXAA
M6 - PTH073G25CXXXAA
M7 - PTH073G25DRXXAA
M8 - PTH073G25DXXXAA
M9 - PTH073G25PXXXAA
M10 - PTH073G25QXXXAA
M11 - PTH073G25RXXXAA
M12 - PTH073G25VXXXAA
M13 - PTH073G35AXXXAA
M14 - PTH073G35CXXXAA
M15 - PTH073G35DXXXAA
M16 - PTH073G35PXXXAA
M17 - PTH073G35QRXXAA
M18 - PTH073G35QXXXAA
M19 - PTH073G35RXXXAA
M20 - PTH073G35VXXXAA