

PTC123G Package Terminal Air Conditioner

PTC123G00AXXXGA
PTC123G00CXXXGA
PTC123G00DHRXGA
PTC123G00DHXXGA
PTC123G00H1XXGA
PTC123G00HRXXGA
PTC123G00HVXXGA
PTC123G00HXXXGA
PTC123G00QXXXGA
PTC123G00RXXXGA
PTC123G25AXXXGA
PTC123G25CXXXGA
PTC123G25DRXXGA
PTC123G25DXXXGA
PTC123G25QRXXGA
PTC123G25QXXXGA
PTC123G25RXXXGA
PTC123G25VXXXGA
PTC123G35AXXXGA
PTC123G35CXXXGA
PTC123G35DXXXGA
PTC123G35QRXXGA
PTC123G35QXXXGA
PTC123G35RXXXGA
PTC123G35VXXXGA
PTC123G50AXXXGA
PTC123G50CXXXGA
PTC123G50DRXXGA
PTC123G50DXXXGA
PTC123G50QXXXGA



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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

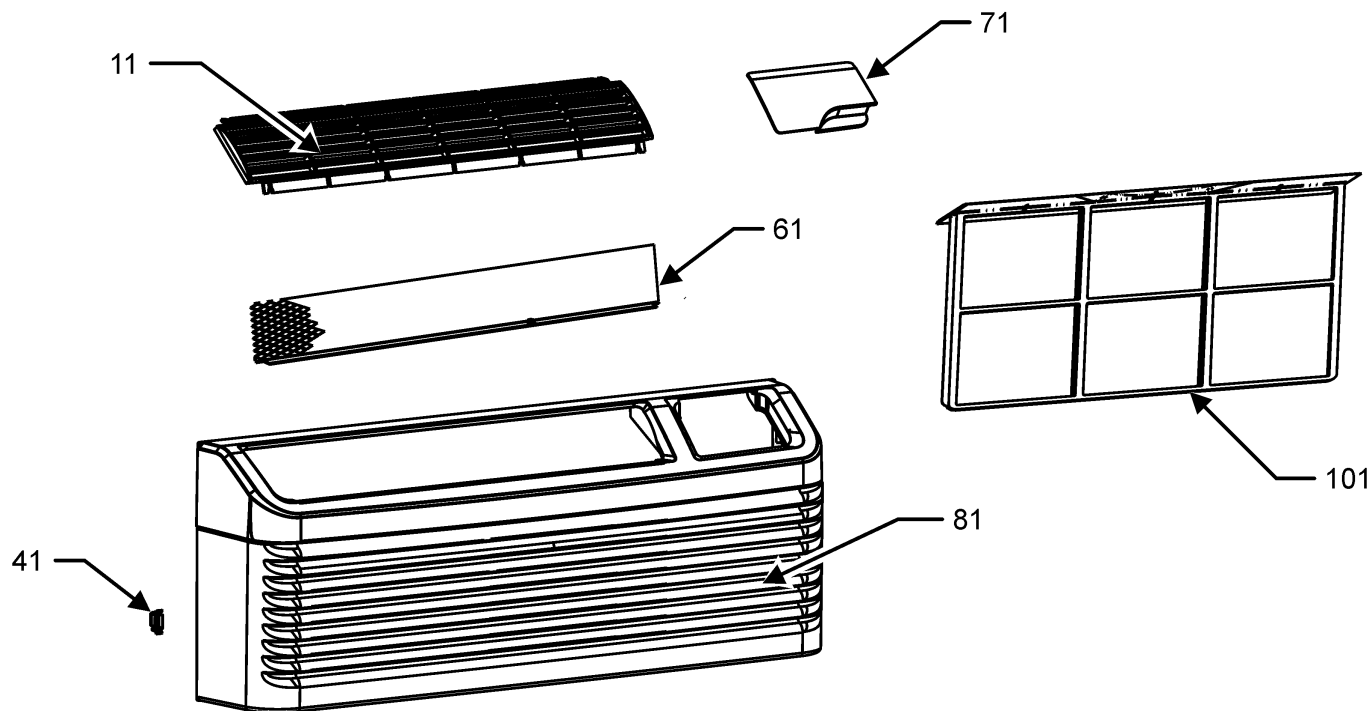
Part

No: **Description:**

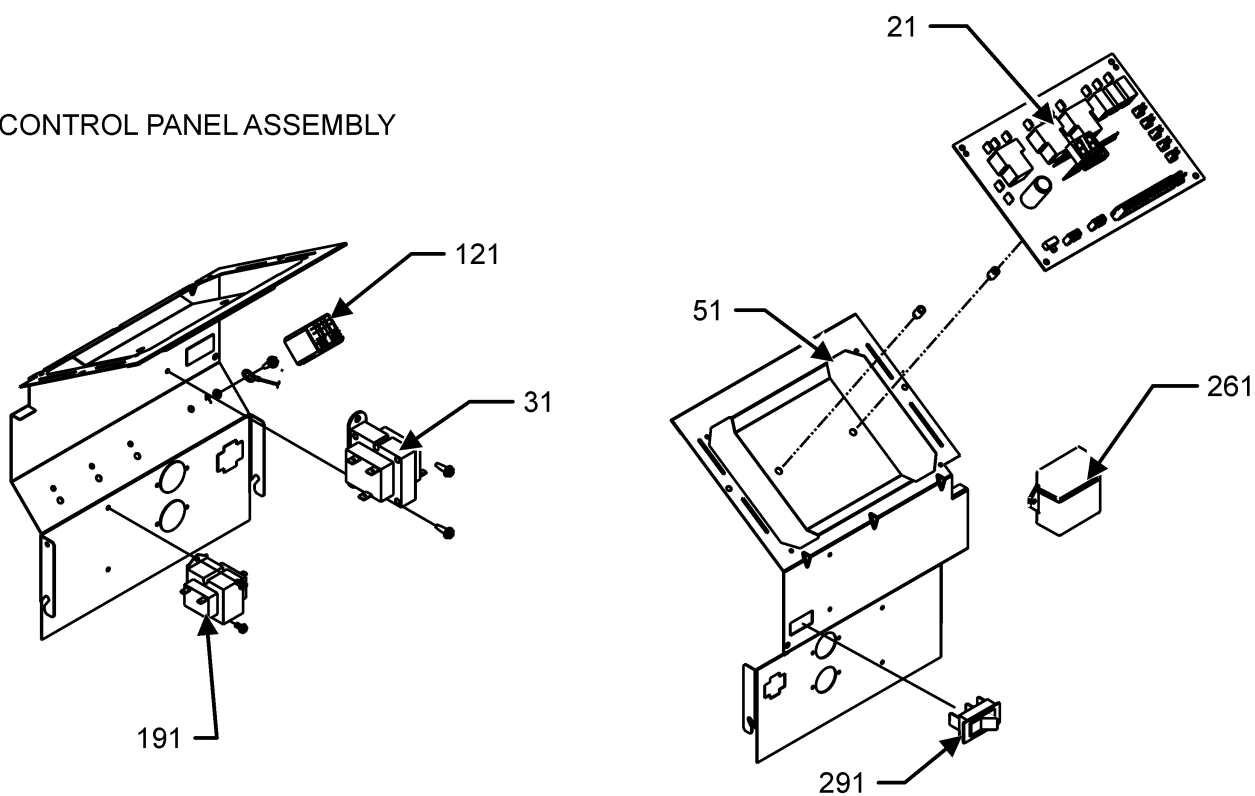
		Expanded Model Nomenclature
CAP020000440RP	CAPACITOR	M1 - PTC123G00AXXXGA
CAP030300450CS	CAPACITOR, 500V	M2 - PTC123G00CXXXGA
44A272AL&FEKC	COMPRESSOR, RECHI	M3 - PTC123G00DHRXGA
RSKP0012	CONTROL BOARD M70	M4 - PTC123G00DHXXGA
0130P00112	CORD,250VAC,15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18)	M5 - PTC123G00HRXXGA
0130P00115	CORD,250VAC,20A (LCD) (M19, M20, M21, M22, M23, M24, M25)	M6 - PTC123G00HVXXGA
0130P00118	CORD,250VAC,30A (LCD) (M26, M27, M28, M29, M30)	M7 - PTC123G00HXXXGA
0131P00036	FAN MOTOR, INDOOR (M3, M4, M5, M6, M7, M8, M26, M27, M28, M29, M30)	M8 - PTC123G00H1XXGA
0131P00035	FAN MOTOR, INDOOR (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25)	M9 - PTC123G00QXXXGA
0131P00031	FAN MOTOR, OUTDOOR	M10 - PTC123G00RXXXGA
0161P00055	FAN, CONDENSER	M11 - PTC123G25AXXXGA
0275P00039	HEATER ASSY (M26, M27, M28, M29, M30)	M12 - PTC123G25CXXXGA
0275P00038	HEATER ASSY (M19, M20, M21, M22, M23, M24, M25)	M13 - PTC123G25DRXXGA
0275P00019	HEATER ASSY (M11, M12, M13, M14, M15, M16, M17, M18)	M14 - PTC123G25DXXXGA
0130P00133	HUMIDITY SENSOR (M3, M4, M6, M13, M14, M18, M21, M25, M28, M29)	M15 - PTC123G25QRXXGA
RSKP0015	MEMBRANE KIT	M16 - PTC123G25QXXXGA
0130P00137	MOTOR (M3, M4, M6, M13, M14, M18, M21, M25, M28, M29)	M17 - PTC123G25RXXXGA
60343503	OVERLOAD PROTECTOR	M18 - PTC123G25VXXXGA
PCBCP147	PCB, CONTROL, D70 (M3, M4, M6, M13, M14, M18, M21, M25, M28, M29)	M19 - PTC123G35AXXXGA
0130M00181	SPDT RELAY (M3, M4, M5, M6, M7, M8)	M20 - PTC123G35CXXXGA
0130M00169	SWITCH, HIGH PRESS	M21 - PTC123G35DXXXGA
802007090	TERM BOARD	M22 - PTC123G35QRXXGA
0130P00164	THERMISTOR IAT BLACK (M1, M3, M4, M5, M6, M7, M8, M9, M10, M11, M13, M14, M15, M16, M17, M18, M19, M21, M22, M23, M24, M25, M26, M28, M29, M30)	M23 - PTC123G35QXXXGA
0130P00141	THERMISTOR IAT BLACK (M2, M12, M20, M27)	M24 - PTC123G35RXXXGA
0130P00165	THERMISTOR ICT RED (M1, M3, M4, M5, M6, M7, M8, M9, M10, M11, M13, M14, M15, M16, M17, M18, M19, M21, M22, M23, M24, M25, M26, M28, M29, M30)	M25 - PTC123G35VXXXGA
0130P00084	THERMISTOR ICT RED (M2, M12, M20, M27)	M26 - PTC123G50AXXXGA
0130P00134	THERMISTOR IDT YELLOW	M27 - PTC123G50CXXXGA
0130P00077	THERMISTOR IHD ORANGE (M3, M5, M10, M13, M15, M17, M22, M24, M28)	M28 - PTC123G50DRXXGA
0130P00098	THERMISTOR OAT GREEN (M3, M4, M5, M6, M10, M13, M15, M17, M22, M24, M28)	M29 - PTC123G50DXXXGA
0130P00094	THERMISTOR OCT BLUE (M3, M5, M10, M13, M15, M17, M22, M24, M28)	M30 - PTC123G50QXXXGA
0130M00599	TRANSFMR,40VA,240V/208V TO 24V (M3, M4, M5, M6, M7, M8, M13, M14, M18, M21, M25, M28, M29)	
0130M00341	TRANSFORMER 20VA 230V (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	

Front Panel and Control Panel Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY

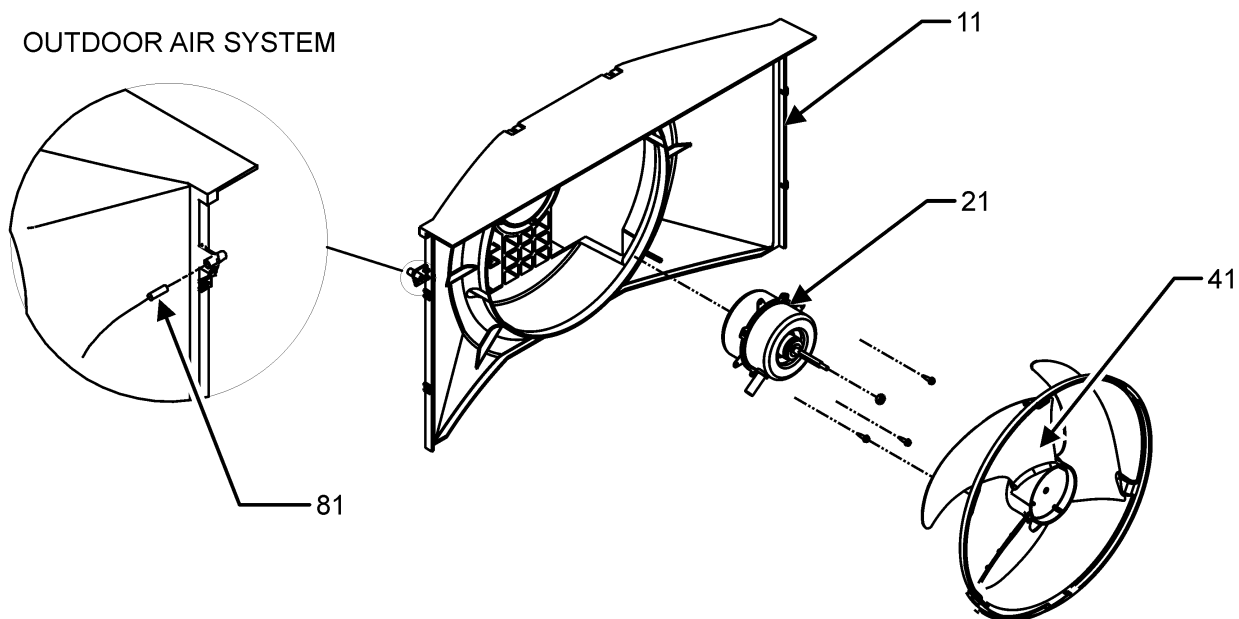


Front Panel and Control Panel Assembly

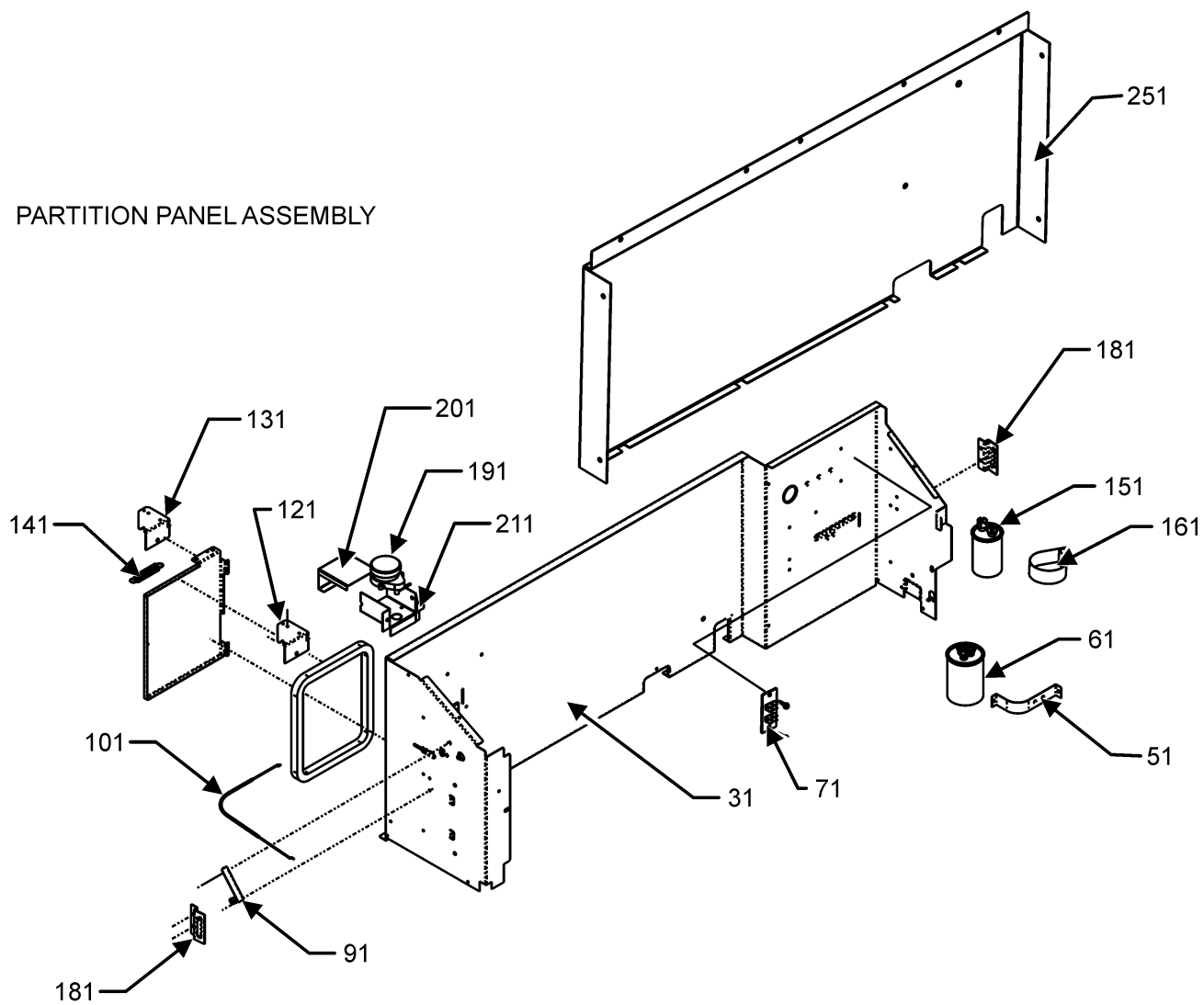
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00048	FRONT-DICHARGE LOUVERS (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	M1 - PTC123G00AXXXGA M2 - PTC123G00CXXXGA M3 - PTC123G00DHRXGA M4 - PTC123G00DHXXGA M5 - PTC123G00HRXXGA M6 - PTC123G00HVXXGA M7 - PTC123G00HXXXGA M8 - PTC123G00H1XXGA M9 - PTC123G00QXXXGA M10 - PTC123G00RXXXGA M11 - PTC123G25AXXXGA M12 - PTC123G25CXXXGA M13 - PTC123G25DRXXGA M14 - PTC123G25DXXXGA M15 - PTC123G25QRXXGA M16 - PTC123G25QXXXGA M17 - PTC123G25RXXXGA M18 - PTC123G25VXXXGA M19 - PTC123G35AXXXGA M20 - PTC123G35CXXXGA M21 - PTC123G35DXXXGA M22 - PTC123G35QRXXGA M23 - PTC123G35QXXXGA M24 - PTC123G35RXXXGA M25 - PTC123G35VXXXGA M26 - PTC123G50AXXXGA M27 - PTC123G50CXXXGA M28 - PTC123G50DRXXGA M29 - PTC123G50DXXXGA M30 - PTC123G50QXXXGA
21	RSKP0012	CONTROL BOARD M70	
31	0130M00341	TRANSFORMER 20VA 230V (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	
41	0163P00025	CLIP (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	
51	0121P00130	PANEL, CONTROL	
61	0121P00194BL	SCREEN, DISCHARGE, PAINTED (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	
71	0261P00003	DOOR ASSY -AMANA- (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	
81	0261P00011	FRONT ASSY (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	
101	0161P00035	FILTER, RACK (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	
121	0130M00181	SPDT RELAY (M3, M4, M5, M6, M7, M8)	
191	0130M00599	TRANSFMR,40VA,240V/208V TO 24V (M3, M4, M5, M6, M7, M8, M13, M14, M18, M21, M25, M28, M29)	
261	0130P00104	ANTENNA (M3, M5, M10, M13, M15, M17, M22, M24, M28)	
291	B1337701	PADDLE SWITCH (M3, M4, M6, M13, M14, M18, M21, M25, M28, M29)	
NS	PCBCP147	PCB, CONTROL, D70 (M3, M4, M6, M13, M14, M18, M21, M25, M28, M29)	

Outdoor Air System and Partition Panel

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY

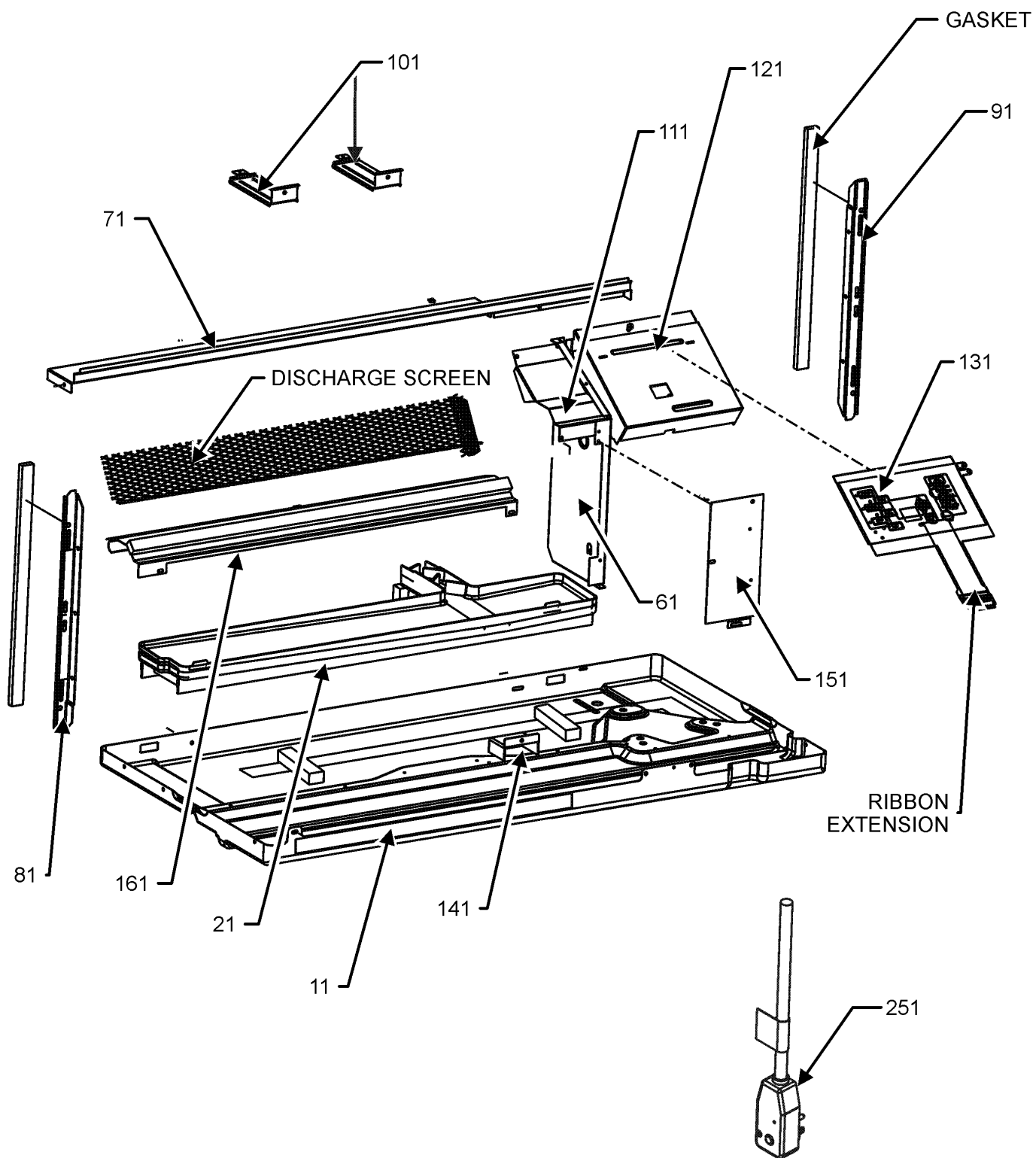


Outdoor Air System and Partition Panel

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00110	CONDENSER SHROUD	M1 - PTC123G00A XXXGA
21	0131P00031	FAN MOTOR, OUTDOOR	M2 - PTC123G00C XXXGA
31	0121P00108NG	PANEL-PARTITION (M1, M2, M3, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14, M17, M18, M19, M20, M21, M24, M25, M26, M27, M28, M29)	M3 - PTC123G00DHRXXGA
31	0121P00093	PANEL-PARTITION PNT (M9, M15, M16, M22, M23, M30)	M4 - PTC123G00DHXXGA
41	0161P00055	FAN, CONDENSER	M5 - PTC123G00HRXXGA
51	C6300502	CAPACITOR STRAP	M6 - PTC123G00HVXXGA
61	CAP030300450C S	CAPACITOR, 500V	M7 - PTC123G00HXXXGA
71	802007090	TERM BOARD	M8 - PTC123G00H1XXGA
81	0130P00098	THERMISTOR OAT GREEN (M3, M4, M5, M6, M10, M13, M15, M17, M22, M24, M28)	M9 - PTC123G00QXXXGA
91	11046302	LEVER ARM (M1, M2, M5, M7, M8, M10, M11, M12, M17, M19, M20, M24, M26, M27)	M10 - PTC123G00RXXXGA
101	0163P00019	CABLE (M1, M2, M5, M7, M8, M10, M11, M12, M17, M19, M20, M24, M26, M27)	M11 - PTC123G25A XXXGA
111	0121P00177NG	DOOR-VENT PTC (M1, M2, M3, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14, M17, M18, M19, M20, M21, M24, M25, M26, M27, M28, M29)	M12 - PTC123G25C XXXGA
121	0121P00079	BRACKET, VENT DOOR (M3, M4, M6, M13, M14, M18, M21, M25, M28, M29)	M13 - PTC123G25DRXXGA
131	0121P00180	BRACKET, POWER VENT (M3, M4, M6, M13, M14, M18, M21, M25, M28, M29)	M14 - PTC123G25DXXXGA
131	0121P00072NG	BRACKET, VENT DOOR (M1, M2, M5, M7, M8, M10, M11, M12, M17, M19, M20, M24, M26, M27)	M15 - PTC123G25QRXXGA
141	11166401	EXTENSION SPRING (M3, M4, M6, M13, M14, M18, M21, M25, M28, M29)	M16 - PTC123G25QXXXGA
151	CAP020000440R P	CAPACITOR	M17 - PTC123G25RXXXGA
161	0163P00029	CAPACITOR CLAMP	M18 - PTC123G25V XXXGA
181	11191703	PARTITION PANEL BRACKET (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	M19 - PTC123G35A XXXGA
191	0130P00137	MOTOR (M3, M4, M6, M13, M14, M18, M21, M25, M28, M29)	M20 - PTC123G35C XXXGA
201	11166201	POWER VENT COVER BRACKET (M3, M4, M6, M13, M14, M18, M21, M25, M28, M29)	M21 - PTC123G35DXXXGA
211	11166101	POWER VENT MOTOR BRACKET (M3, M4, M6, M13, M14, M18, M21, M25, M28, M29)	M22 - PTC123G35QRXXGA
251	0121P00091	PANEL-AUXILIARY (M9, M15, M16, M22, M23, M30)	M23 - PTC123G35QXXXGA
NS	0130P00133	HUMIDITY SENSOR (M3, M4, M6, M13, M14, M18, M21, M25, M28, M29)	M24 - PTC123G35RXXXGA
			M25 - PTC123G35V XXXGA
			M26 - PTC123G50A XXXGA
			M27 - PTC123G50C XXXGA
			M28 - PTC123G50DRXXGA
			M29 - PTC123G50DXXXGA
			M30 - PTC123G50QXXXGA

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

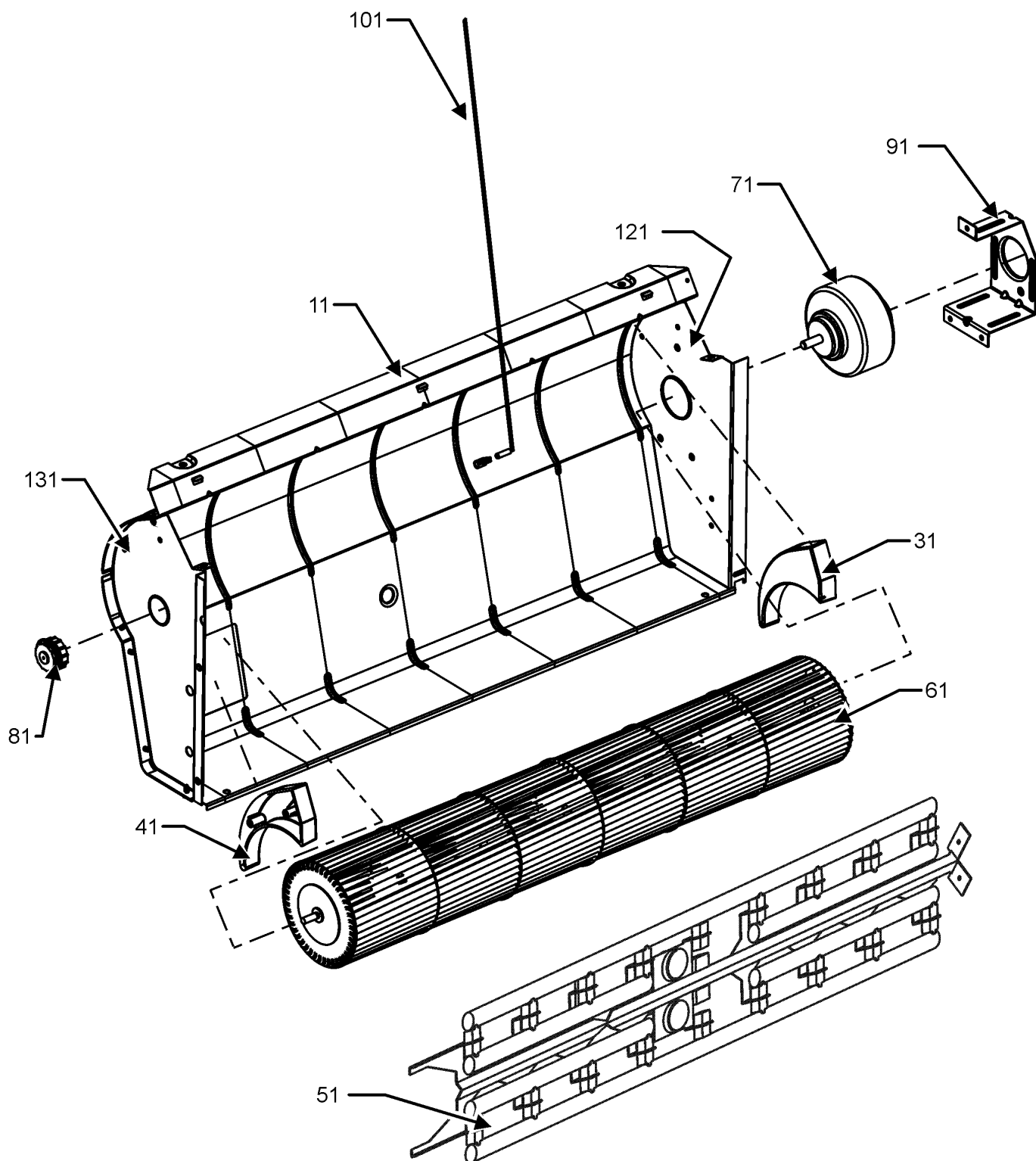
11	0121P00175DG	BASE PAN (M1, M3, M4, M5, M6, M7, M8, M9, M10, M11, M13, M14, M15, M16, M17, M18, M19, M21, M22, M23, M24, M25, M26, M28, M29, M30)
11	0121P00175NG	BASE PAN (M2, M12, M20, M27)
21	0161P00044	PLASTIC-DRAIN PAN
61	0121P00278	PANEL-MID PTN PTC
71	0121P00063NG	TOP, PARTITION PANEL
81	0121P00197	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	MEMBRANE KIT
141	0161P00016	PLASTIC-HOOD (M1, M2, M3, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14, M17, M18, M19, M20, M21, M24, M25, M26, 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, M17, M18)
251	0130P00115	CORD,250VAC, 20A (LCD) (M19, M20, M21, M22, M23, M24, M25)
251	0130P00118	CORD,250VAC, 30A (LCD) (M26, M27, M28, M29, M30)
NS	0121P00233	LEFT SIDE SCROLL BLOCKOFF
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTC123G00A XXXGA
 M2 - PTC123G00C XXXGA
 M3 - PTC123G00DHRXGA
 M4 - PTC123G00DHXXGA
 M5 - PTC123G00HRXXGA
 M6 - PTC123G00HVXXGA
 M7 - PTC123G00HXXXGA
 M8 - PTC123G00H1XXGA
 M9 - PTC123G00QXXXGA
 M10 - PTC123G00RXXXGA
 M11 - PTC123G25A XXXGA
 M12 - PTC123G25C XXXGA
 M13 - PTC123G25DRXXGA
 M14 - PTC123G25DXXXGA
 M15 - PTC123G25QRXXGA
 M16 - PTC123G25QXXXGA
 M17 - PTC123G25RXXXGA
 M18 - PTC123G25V XXXGA
 M19 - PTC123G35A XXXGA
 M20 - PTC123G35C XXXGA
 M21 - PTC123G35D XXXGA
 M22 - PTC123G35QRXXGA
 M23 - PTC123G35QXXXGA
 M24 - PTC123G35RXXXGA
 M25 - PTC123G35V XXXGA
 M26 - PTC123G50A XXXGA
 M27 - PTC123G50C XXXGA
 M28 - PTC123G50DRXXGA
 M29 - PTC123G50DXXXGA
 M30 - PTC123G50QXXXGA

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

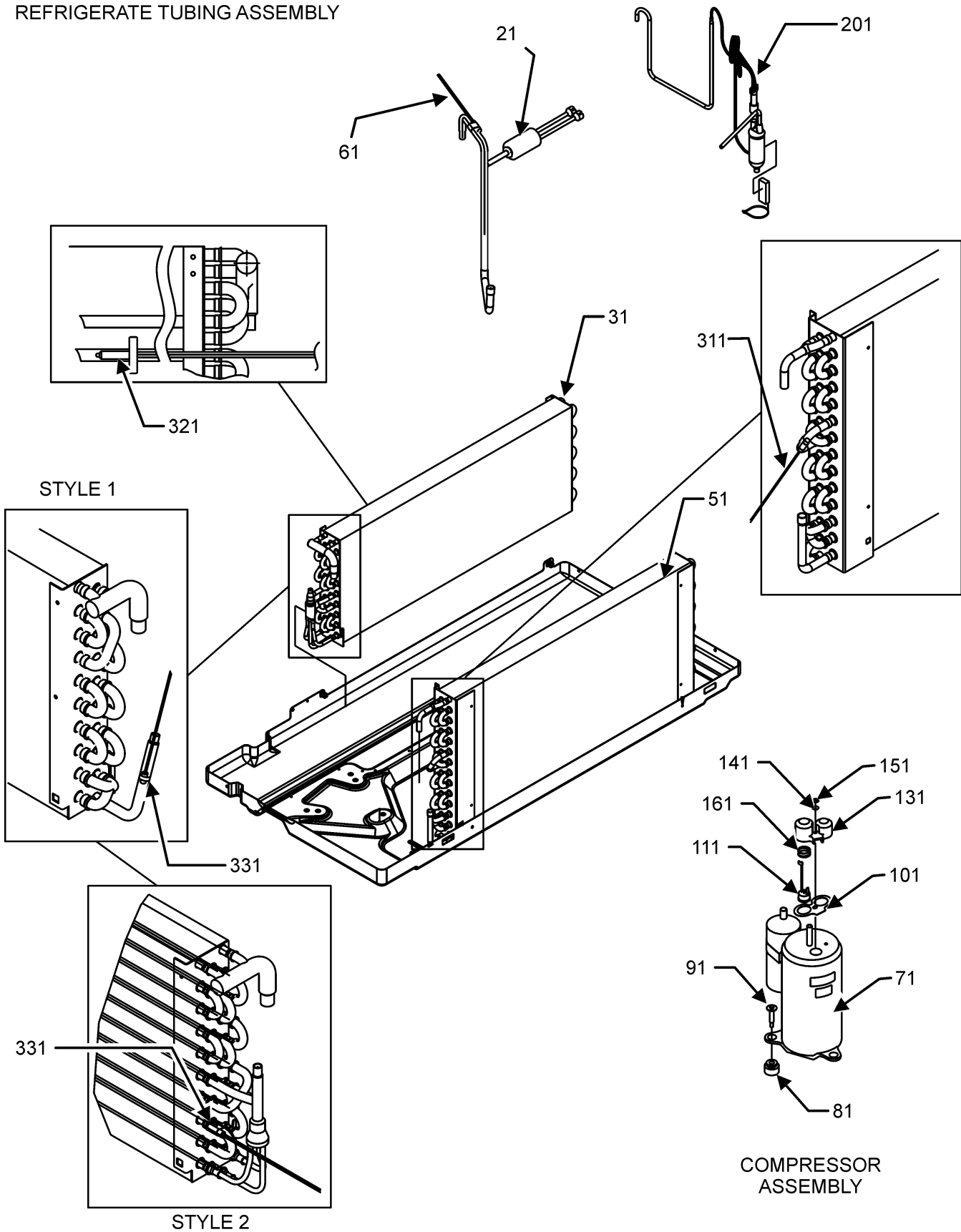
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M11, M12, M13, M14, M15, M16, M17, M18)
51	0275P00038	HEATER ASSY (M19, M20, M21, M22, M23, M24, M25)
51	0275P00039	HEATER ASSY (M26, M27, M28, M29, M30)
61	0150P00005	WHEEL, BLOWER
71	0131P00035	FAN MOTOR, INDOOR (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25)
71	0131P00036	FAN MOTOR, INDOOR (M3, M4, M5, M6, M7, M8, M26, M27, M28, M29, M30)
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR IDT YELLOW
121	0121P00059DG	ENDPLATE-RH SCROLL
131	0121P00215DG	ENDPLATE- LH SCROLL

Expanded Model Nomenclature

M1 - PTC123G00A XXXGA
 M2 - PTC123G00C XXXGA
 M3 - PTC123G00DHRXGA
 M4 - PTC123G00DHXXGA
 M5 - PTC123G00HRXXGA
 M6 - PTC123G00HVXXGA
 M7 - PTC123G00HXXXGA
 M8 - PTC123G00H1XXGA
 M9 - PTC123G00QXXXGA
 M10 - PTC123G00RXXXGA
 M11 - PTC123G25A XXXGA
 M12 - PTC123G25C XXXGA
 M13 - PTC123G25DRXXGA
 M14 - PTC123G25DXXXGA
 M15 - PTC123G25QRXXGA
 M16 - PTC123G25QXXXGA
 M17 - PTC123G25RXXXGA
 M18 - PTC123G25V XXXGA
 M19 - PTC123G35A XXXGA
 M20 - PTC123G35C XXXGA
 M21 - PTC123G35DXXXGA
 M22 - PTC123G35QRXXGA
 M23 - PTC123G35QXXXGA
 M24 - PTC123G35RXXXGA
 M25 - PTC123G35V XXXGA
 M26 - PTC123G50A XXXGA
 M27 - PTC123G50C XXXGA
 M28 - PTC123G50DRXXGA
 M29 - PTC123G50DXXXGA
 M30 - PTC123G50QXXXGA

Refrigerate Tube Assembly

REFRIGERATE TUBING ASSEMBLY



Refrigerate Tube Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

21	0130M00169	SWITCH, HIGH PRESS
31	0202P00095	7MM EVAP ASSY 2ROW
51	0201P00130	5MM CONDENSER COIL ASSY (M1, M3, M4, M5, M6, M7, M8, M9, M10, M11, M13, M14, M15, M16, M17, M18, M19, M21, M22, M23, M24, M25, M26, M28, M29, M30)
51	0202P00096NG	CONDENSER ASSY PAINTED (M2, M12, M20, M27)
61	0130P00077	THERMISTOR IHD ORANGE (M3, M5, M10, M13, M15, M17, M22, M24, M28)
71	44A272AL&FEKC	COMPRESSOR, RECHI
81	60130203	GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163M00079	SHOULDER SCREW (QTY 3)
101	60100103	TERMINAL GASKET
111	60343503	OVERLOAD PROTECTOR
131	60100314	TERMINAL COVER - RECHI COMP
141	60100201	WASHER - RECHI COMPRESSOR
151	60100401	TERMINAL NUT - RECHI COMP
161	60500101	OLP SPRING - RECHI COMPRESSOR
201	0210P00430	CAPILLARY WELDMENT
311	0130P00094	THERMISTOR OCT BLUE (M3, M5, M10, M13, M15, M17, M22, M24, M28)
321	0130P00141	THERMISTOR IAT BLACK (M2, M12, M20, M27)
321	0130P00164	THERMISTOR IAT BLACK (M1, M3, M4, M5, M6, M7, M8, M9, M10, M11, M13, M14, M15, M16, M17, M18, M19, M21, M22, M23, M24, M25, M26, M28, M29, M30)
331	0130P00084	THERMISTOR ICT RED (M2, M12, M20, M27)
331	0130P00165	THERMISTOR ICT RED (M1, M3, M4, M5, M6, M7, M8, M9, M10, M11, M13, M14, M15, M16, M17, M18, M19, M21, M22, M23, M24, M25, M26, M28, M29, M30)

Expanded Model Nomenclature

M1 - PTC123G00AXXXGA
 M2 - PTC123G00CXXXGA
 M3 - PTC123G00DHRXXGA
 M4 - PTC123G00DHXXGA
 M5 - PTC123G00HRXXGA
 M6 - PTC123G00HVXXGA
 M7 - PTC123G00HXXXGA
 M8 - PTC123G00H1XXGA
 M9 - PTC123G00QXXXGA
 M10 - PTC123G00RXXXGA
 M11 - PTC123G25AXXXGA
 M12 - PTC123G25CXXXGA
 M13 - PTC123G25DRXXGA
 M14 - PTC123G25DXXXGA
 M15 - PTC123G25QRXXGA
 M16 - PTC123G25QXXXGA
 M17 - PTC123G25RXXXGA
 M18 - PTC123G25VXXXGA
 M19 - PTC123G35AXXXGA
 M20 - PTC123G35CXXXGA
 M21 - PTC123G35DXXXGA
 M22 - PTC123G35QRXXGA
 M23 - PTC123G35QXXXGA
 M24 - PTC123G35RXXXGA
 M25 - PTC123G35VXXXGA
 M26 - PTC123G50AXXXGA
 M27 - PTC123G50CXXXGA
 M28 - PTC123G50DRXXGA
 M29 - PTC123G50DXXXGA
 M30 - PTC123G50QXXXGA