
PTC154G Package Terminal Air Conditioner

PTC154G00AXXXGA
PTC154G00DHXXGA
PTC154G00HRXXGA
PTC154G00HXXXGA
PTC154G25AXXXGA
PTC154G25CXXXGA
PTC154G25RXXXGA
PTC154G25VXXXGA
PTC154G35AXXXGA
PTC154G35CXXXGA
PTC154G35QRXXGA
PTC154G35QXXXGA
PTC154G35RWXXGA
PTC154G35RXXXGA
PTC154G35VXXXGA
PTC154G50AXXXGA
PTC154G50CXXXGA
PTC154G50DXXXGA
PTC154G50QRXXGA
PTC154G50RXXXGA
PTC154G50VXXXGA



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This manual is to be used by qualified technicians only.

This manual replaces RP-A5313

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

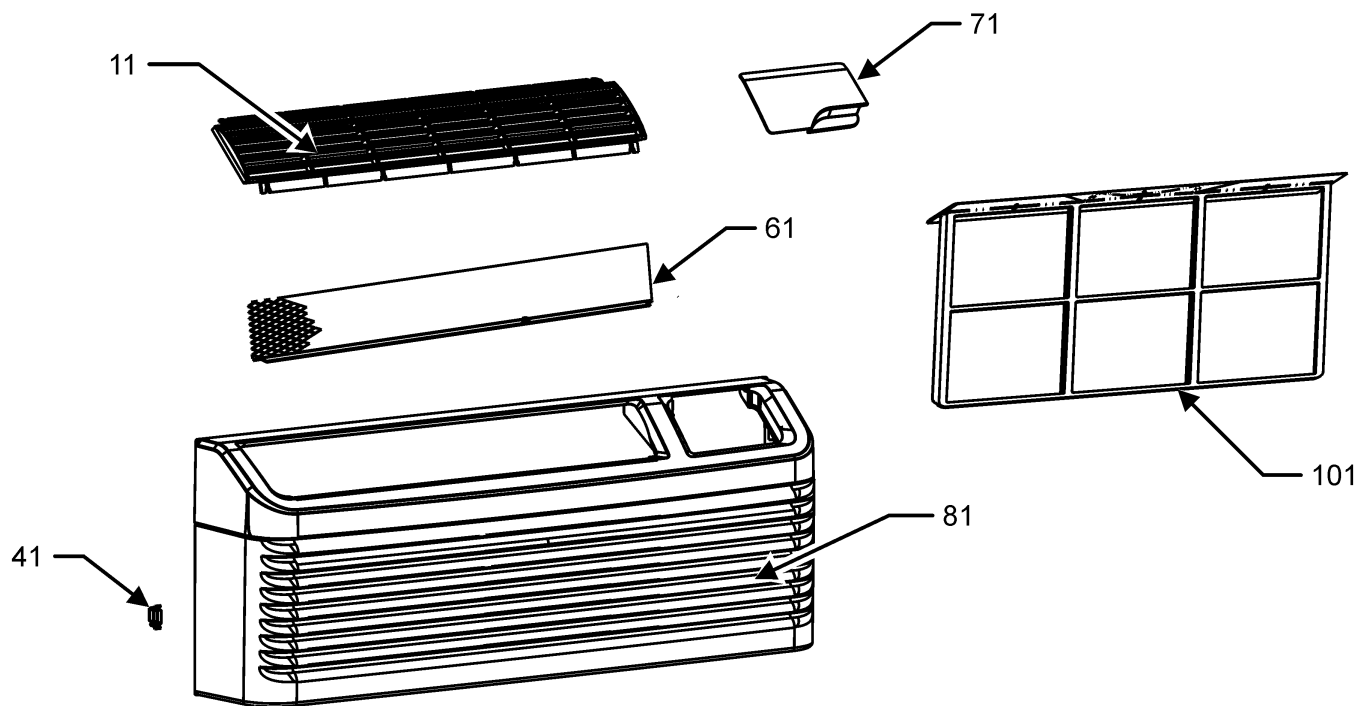
Part

No: Description:

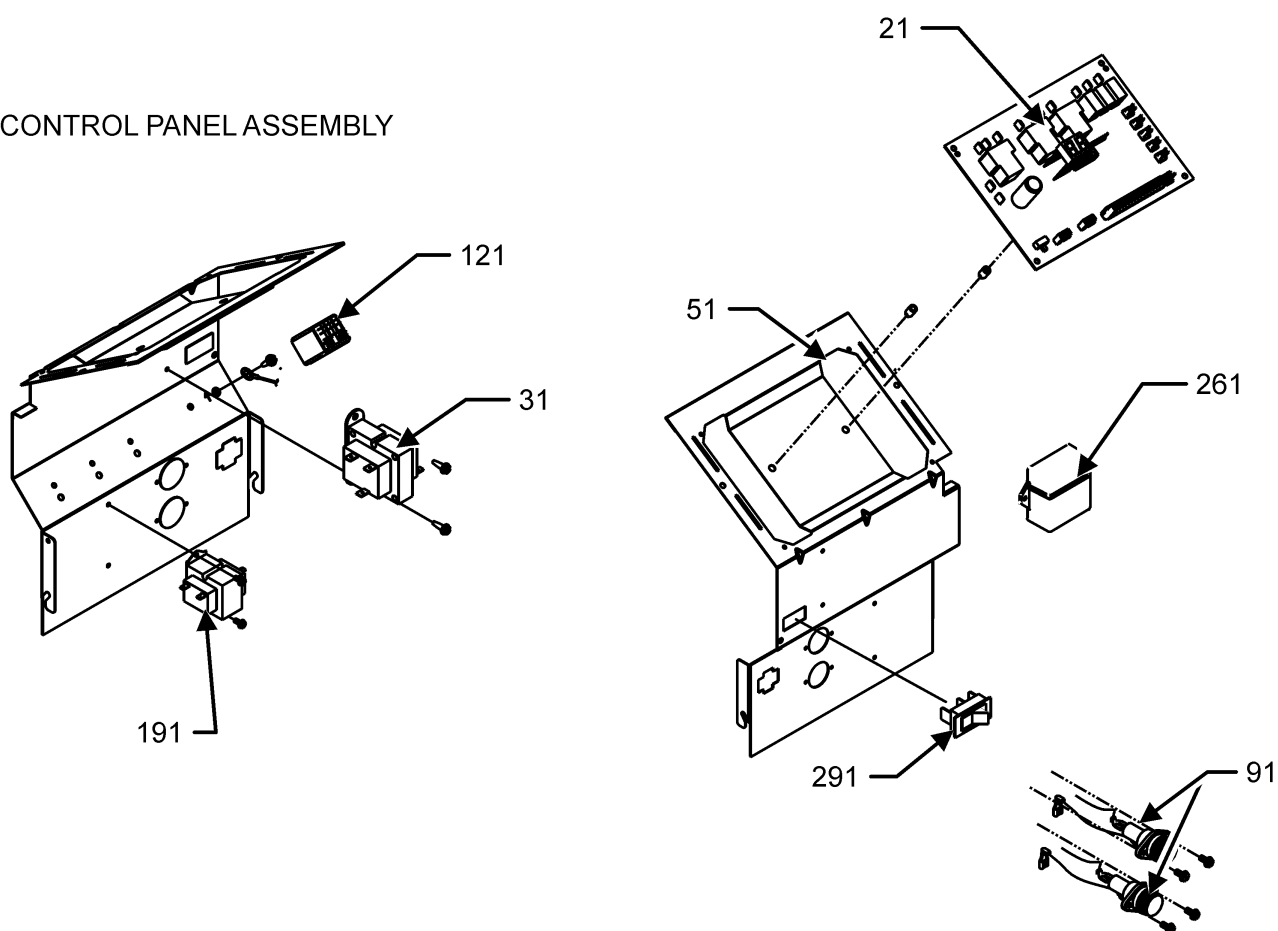
		Expanded Model Nomenclature
CAP020250450CS	CAP, 2/25 MFD/450V/DUAL RD	M1 - PTC154G00AXXXGA
CAP015000500RP	CAPACITOR (M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	M2 - PTC154G00DHXXGA
50A367QM-9GKG	COMPRESSOR, RECHI	M3 - PTC154G00HRXXGA
RSKP0014	CONTROL BOARD KIT	M4 - PTC154G00HXXGGA
RSKP0012	CONTROL BOARD M70	M5 - PTC154G25AXXXGA
0130P00128	CORD, 277V, 20A (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15)	M6 - PTC154G25CXXGGA
0130P00129	CORD, 277V, 30A (M16, M17, M18, M19, M20, M21)	M7 - PTC154G25RXXGGA
0131P00029	FAN MOTOR, INDOOR (M1, M2, M3, M4)	M8 - PTC154G25VXXGGA
0131P00057	FAN MOTOR, INDOOR (M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	M9 - PTC154G35AXXXGA
0131P00026	FAN MOTOR, OUTDOOR (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	M10 - PTC154G35CXXGGA
0131P00030	FAN MOTOR, OUTDOOR DC (M2, M3, M4)	M11 - PTC154G35QRXXGA
0161P00055	FAN, CONDENSER	M12 - PTC154G35QXXGGA
A3410402	FUSE 15A (M1, M2, M3, M4, M5, M6, M7, M8)	M13 - PTC154G35RWXXGA
A3410403	FUSE 20A (M9, M10, M11, M12, M13, M14, M15)	M14 - PTC154G35RXXGGA
A3410404	FUSE 25A (M16, M17, M18, M19, M20, M21)	M15 - PTC154G35VXXGGA
0275P00041	HEATER ASSY (M16, M17, M18, M19, M20, M21)	M16 - PTC154G50AXXXGA
0275P00023	HEATER ASSY (M5, M6, M7, M8)	M17 - PTC154G50CXXGGA
0275P00040	HEATER ASSY (M9, M10, M11, M12, M13, M14, M15)	M18 - PTC154G50DXXGGA
0130P00133	HUMIDITY SENSOR (M2, M8, M15, M18, M21)	M19 - PTC154G50QRXXGA
PCBEP104	INDOOR DC CONTROL BOARD (M1, M2, M3, M4)	M20 - PTC154G50RXXGGA
RSKP0015	MEMBRANE KIT	M21 - PTC154G50VXXGGA
0130P00137	MOTOR (M2, M8, M15, M18, M21)	
PCBEP105	OUTDOOR DC CONTROL BOARD (M2, M3, M4)	
60343525	OVERLOAD PROTECTOR	
PCBCP147	PCB, CONTROL, D70 (M2, M8, M15, M18, M21)	
0130M00182	SPDT RELAY (M2, M3, M4)	
0130M00169	SWITCH, HIGH PRESS	
802007090	TERM BOARD	
0130P00159	THERMISTOR (M1, M2, M3, M4, M5, M7, M8, M9, M11, M12, M13, M14, M15, M16, M18, M19, M20, M21)	
0130P00164	THERMISTOR IAT BLACK	
0130P00165	THERMISTOR ICT RED (M6, M10, M17)	
0130P00134	THERMISTOR IDT YELLOW	
0130P00077	THERMISTOR IHD ORANGE (M3, M7, M11, M13, M14, M19, M20)	
0130P00098	THERMISTOR OAT GREEN (M2, M3, M7, M8, M11, M13, M14, M15, M18, M19, M20, M21)	
0130P00094	THERMISTOR OCT BLUE (M3, M7, M11, M13, M14, M19, M20)	
0130M00342	TRANSFORMER 20VA 265V (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
0130M00601	TRANSFORMER, 40VA, 277V TO 24V (M2, M3, M4, M8, M15, M18, M21)	

Front Panel and Control Panel Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY

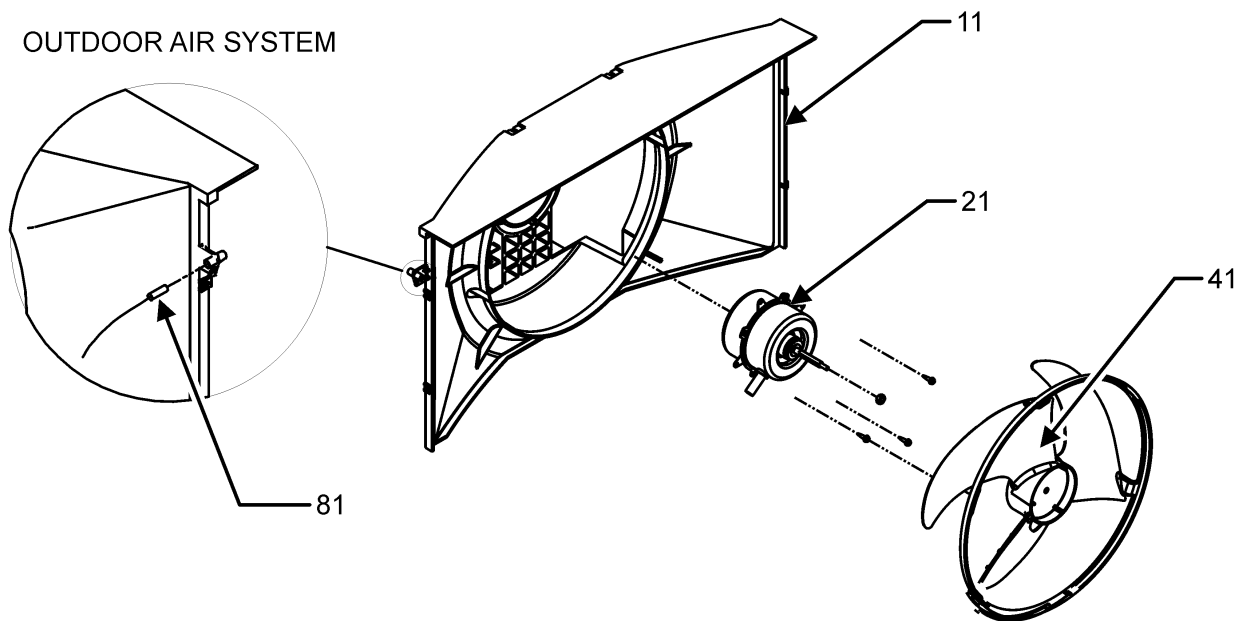


Front Panel and Control Panel Assembly

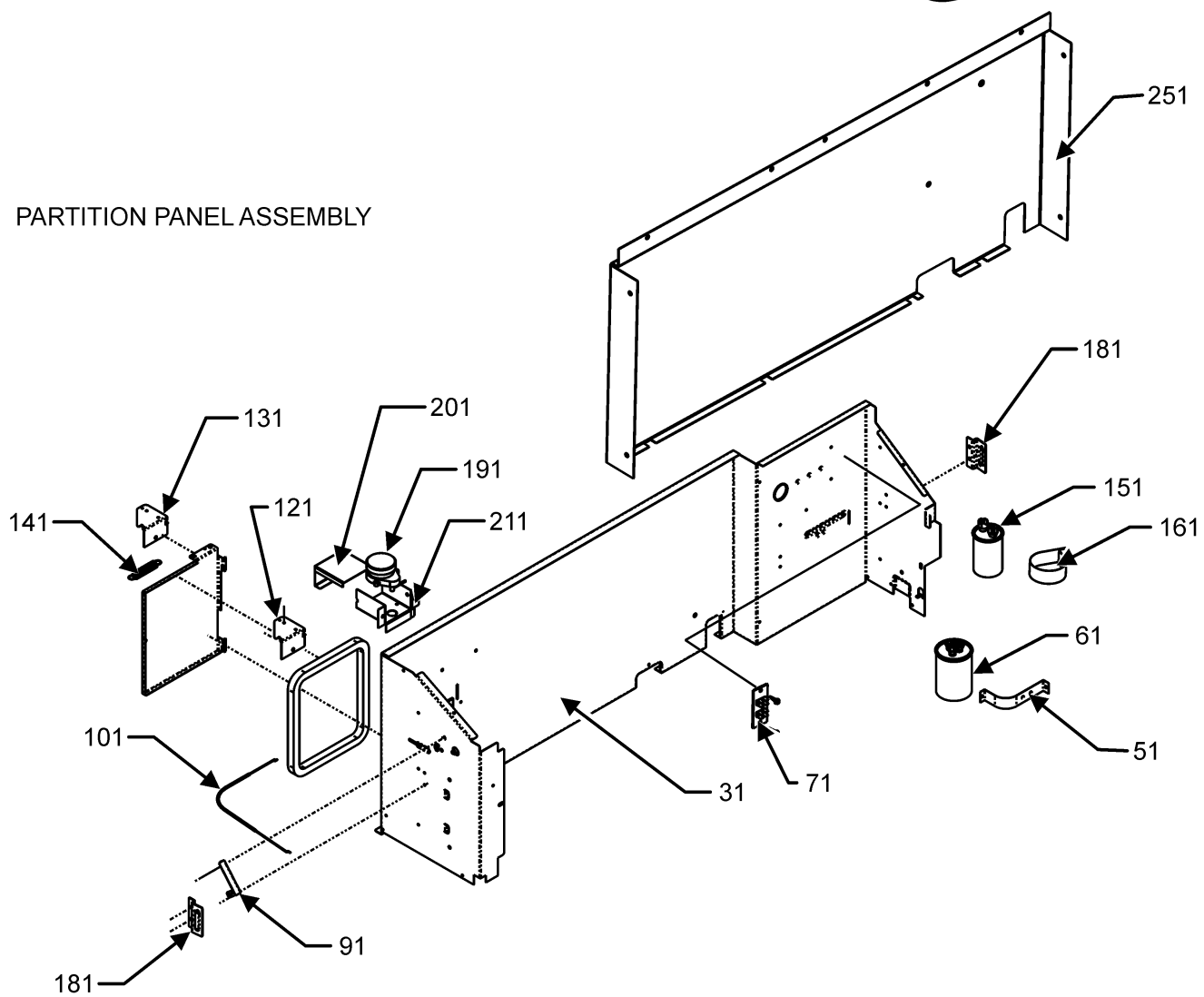
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00048	FRONT-DICHARGE LOUVERS (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
21	RSKP0012	CONTROL BOARD M70	
31	0130M00342	TRANSFORMER 20VA 265V (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
41	0163P00025	CLIP (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
51	0121P00130	PANEL, CONTROL	
61	0121P00194BL	SCREEN, DISCHARGE, PAINTED (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
71	0261P00003	DOOR ASSY -AMANA- (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
81	0261P00011	FRONT ASSY (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
91	C6476001	BAYONET FUSE HOLDER (M1, M2, M3, M4, M5, M6, M7, M8)	
91	C6476002	BAYONET FUSE HOLDER (M9, M10, M11, M12, M13, M14, M15)	
91	C6476003	BAYONET FUSE HOLDER (M16, M17, M18, M19, M20, M21)	
101	0161P00035	FILTER, RACK (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	
121	0130M00182	SPDT RELAY (M2, M3, M4)	
191	0130M00601	TRANSFORMER, 40VA, 277V TO 24V (M2, M3, M4, M8, M15, M18, M21)	
261	0130P00104	ANTENNA (M3, M7, M11, M13, M14, M19, M20)	
291	B1337701	PADDLE SWITCH (M2, M8, M15, M18, M21)	
NS	RSKP0014	CONTROL BOARD KIT	
NS	A3410402	FUSE 15A (M1, M2, M3, M4, M5, M6, M7, M8)	
NS	A3410403	FUSE 20A (M9, M10, M11, M12, M13, M14, M15)	
NS	A3410404	FUSE 25A (M16, M17, M18, M19, M20, M21)	
NS	PCBCP147	PCB, CONTROL, D70 (M2, M8, M15, M18, M21)	
		M1 - PTC154G00AXXXGA M2 - PTC154G00DHXXGA M3 - PTC154G00HRXXGA M4 - PTC154G00HXXXGA M5 - PTC154G25AXXXGA M6 - PTC154G25CXXXGA M7 - PTC154G25RXXXGA M8 - PTC154G25VXXXGA M9 - PTC154G35AXXXGA M10 - PTC154G35CXXXGA M11 - PTC154G35QRXXGA M12 - PTC154G35QXXXGA M13 - PTC154G35RWXXGA M14 - PTC154G35RXXXGA M15 - PTC154G35VXXXGA M16 - PTC154G50AXXXGA M17 - PTC154G50CXXXGA M18 - PTC154G50DXXXGA M19 - PTC154G50QRXXGA M20 - PTC154G50RXXXGA M21 - PTC154G50VXXXGA	

Outdoor Air System and Partition Panel

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY

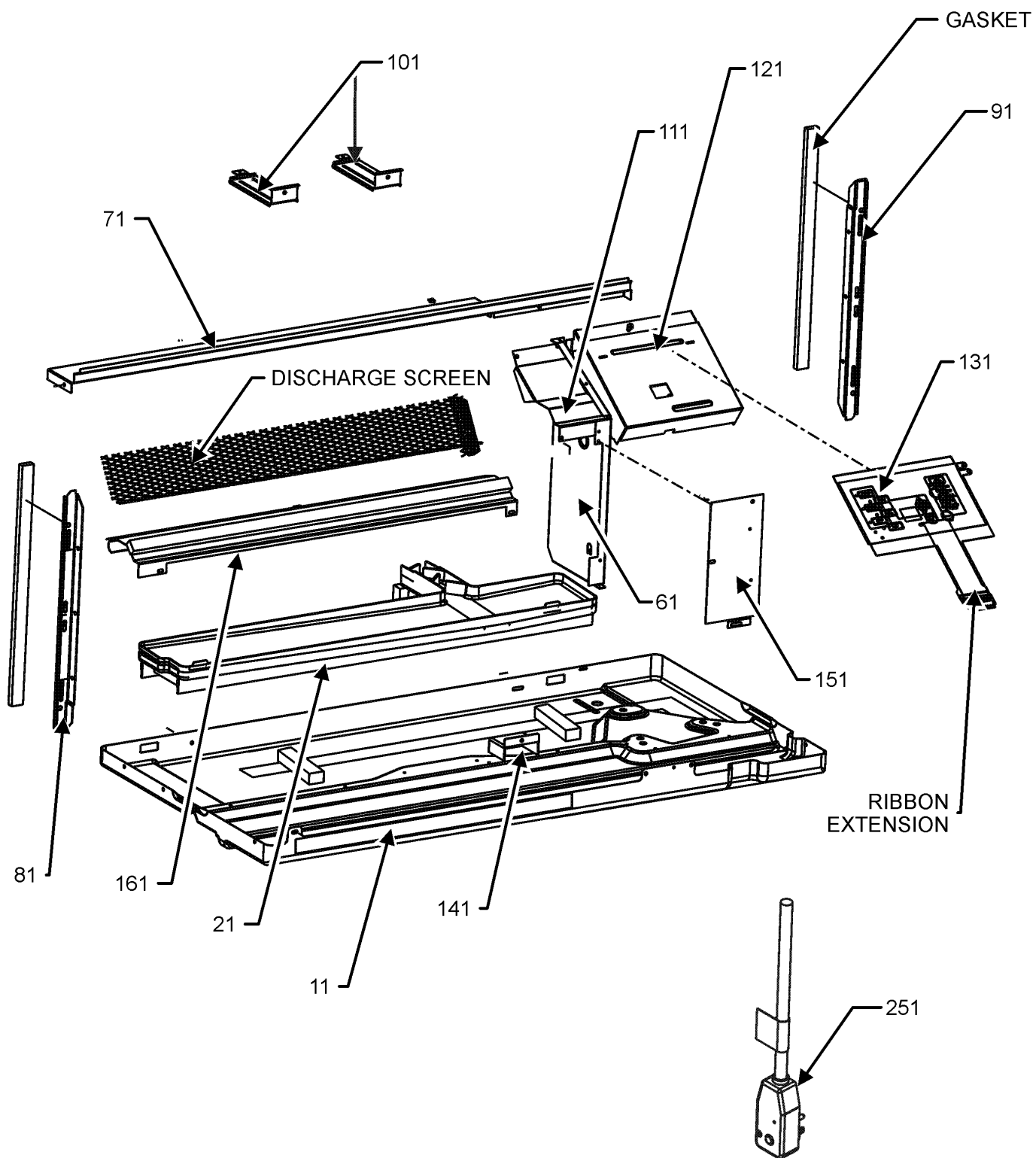


Outdoor Air System and Partition Panel

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00110	CONDENSER SHROUD	M1 - PTC154G00AXXXGA
21	0131P00026	FAN MOTOR, OUTDOOR (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	M2 - PTC154G00DHXXGA
21	0131P00030	FAN MOTOR, OUTDOOR DC (M2, M3, M4)	M3 - PTC154G00HRXXGA
31	0121P00108NG	PANEL-PARTITION (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M13, M14, M15, M16, M17, M18, M20, M21)	M4 - PTC154G00HXXXGA
31	0121P00093	PANEL-PARTITION PNT (M11, M12, M19)	M5 - PTC154G25AXXXGA
41	0161P00055	FAN, CONDENSER	M6 - PTC154G25CXXXGA
51	C6300502	CAPACITOR STRAP	M7 - PTC154G25RXXXGA
61	CAP020250450CS	CAP, 2/25 MFD/450V/DUAL RD	M8 - PTC154G25VXXXGA
71	802007090	TERM BOARD	M9 - PTC154G35AXXXGA
81	0130P00098	THERMISTOR OAT GREEN (M2, M3, M7, M8, M11, M13, M14, M15, M18, M19, M20, M21)	M10 - PTC154G35CXXXGA
91	11046302	LEVER ARM (M1, M3, M4, M5, M6, M7, M9, M10, M13, M14, M16, M17, M20)	M11 - PTC154G35QRXXGA
101	0163P00019	CABLE (M1, M3, M4, M5, M6, M7, M9, M10, M13, M14, M16, M17, M20)	M12 - PTC154G35QXXXGA
111	0121P00177NG	DOOR-VENT PTC (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M13, M14, M15, M16, M17, M18, M20, M21)	M13 - PTC154G35RWXXGA
121	0121P00079	BRACKET, VENT DOOR (M2, M8, M15, M18, M21)	M14 - PTC154G35RXXXGA
131	0121P00180	BRACKET, POWER VENT (M2, M8, M15, M18, M21)	M15 - PTC154G35VXXXGA
131	0121P00072NG	BRACKET, VENT DOOR (M1, M3, M4, M5, M6, M7, M9, M10, M13, M14, M16, M17, M20)	M16 - PTC154G50AXXXGA
141	11166401	EXTENSION SPRING (M2, M8, M15, M18, M21)	M17 - PTC154G50CXXXGA
151	CAP015000500RP	CAPACITOR (M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	M18 - PTC154G50DXXXGA
161	0163P00029	CAPACITOR CLAMP (M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	M19 - PTC154G50QRXXGA
181	11191703	PARTITION PANEL BRACKET (M1, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)	M20 - PTC154G50RXXXGA
191	0130P00137	MOTOR (M2, M8, M15, M18, M21)	M21 - PTC154G50VXXXGA
201	11166201	POWER VENT COVER BRACKET (M2, M8, M15, M18, M21)	
211	11166101	POWER VENT MOTOR BRACKET (M2, M8, M15, M18, M21)	
251	0121P00091	PANEL-AUXILLIARY (M11, M12, M19)	
NS	0130P00133	HUMIDITY SENSOR (M2, M8, M15, M18, M21)	
NS	PCBEP104	INDOOR DC CONTROL BOARD (M1, M2, M3, M4)	
NS	PCBEP105	OUTDOOR DC CONTROL BOARD (M2, M3, M4)	

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

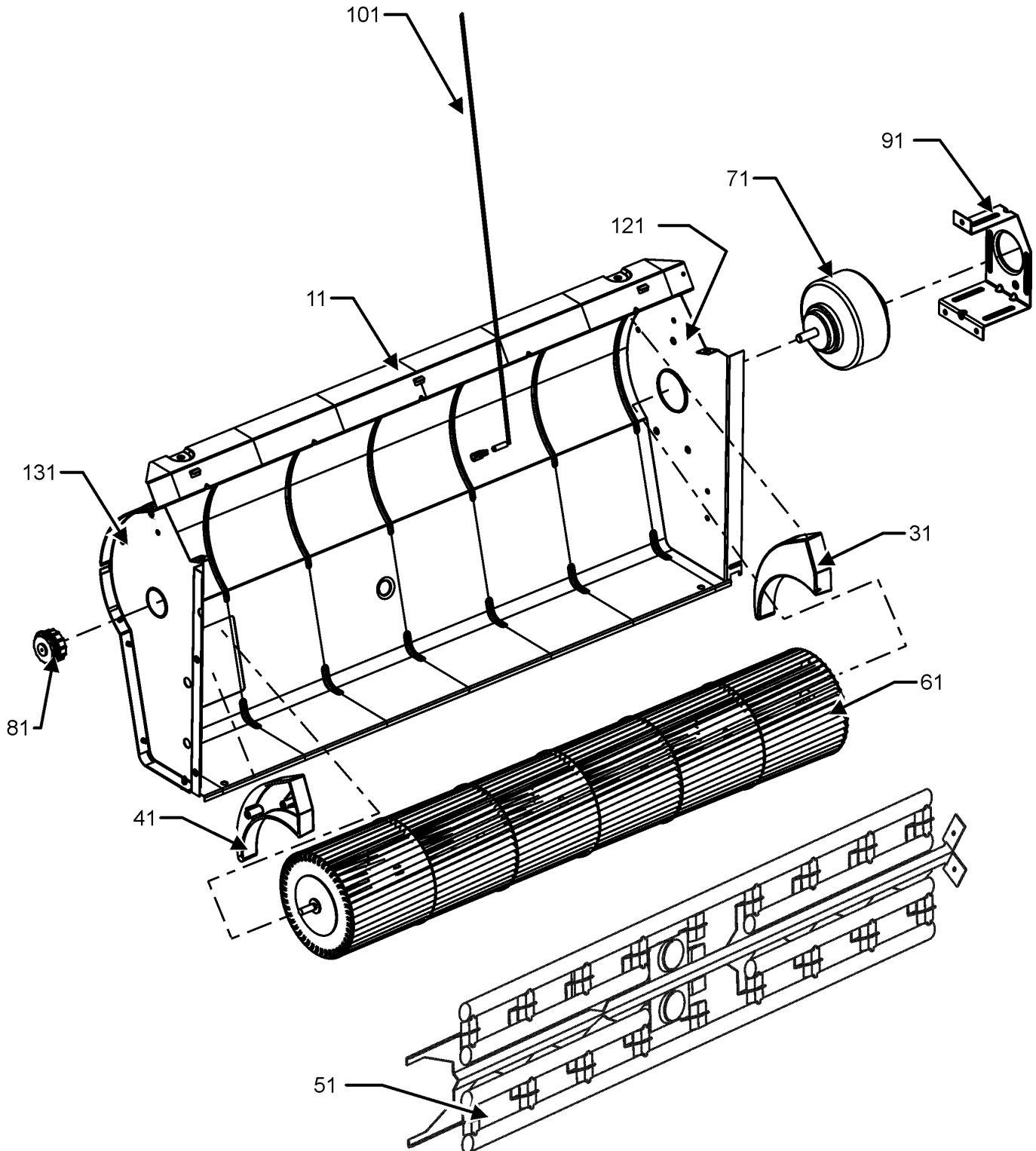
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00175DG		BASE PAN (M1, M2, M3, M4, M5, M7, M8, M9, M11, M12, M13, M14, M15, M16, M18, M19, M20, M21)
11	0121P00175NG		BASE PAN (M6, M10, M17)
21	0161P00044		PLASTIC-DRAIN PAN
61	0121P00278		PANEL-MID PTN PTC
71	0121P00063NG		TOP, PARTITION PANEL
81	0121P00197		SEAL-L SIDE PTC
91	0121P00198		SEAL-R SIDE PTC
101	0121P00071NG		BRACE, TIE (M6, M10, M17)
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, M9, M10, M13, M14, M15, M16, M17, M18, M20,
151	20410801		ACCESS COVER
161	0121P00061DG		CUTOFF-SCROLL DG
251	0130P00128		CORD, 277V, 20A (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15)
251	0130P00129		CORD, 277V, 30A (M16, M17, M18, M19, M20, M21)
NS	0121P00233		LEFT SIDE SCROLL BLOCKOFF
NS	0130P00109		MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTC154G00AXXXGA
 M2 - PTC154G00DHXXGA
 M3 - PTC154G00HRXXGA
 M4 - PTC154G00HXXXGA
 M5 - PTC154G25AXXXGA
 M6 - PTC154G25CXXXGA
 M7 - PTC154G25RXXXGA
 M8 - PTC154G25VXXXGA
 M9 - PTC154G35AXXXGA
 M10 - PTC154G35CXXXGA
 M11 - PTC154G35QRXXGA
 M12 - PTC154G35QXXXGA
 M13 - PTC154G35RWXXGA
 M14 - PTC154G35RXXXGA
 M15 - PTC154G35VXXXGA
 M16 - PTC154G50AXXXGA
 M17 - PTC154G50CXXXGA
 M18 - PTC154G50DXXXGA
 M19 - PTC154G50QRXXGA
 M20 - PTC154G50RXXXGA
 M21 - PTC154G50VXXXGA

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

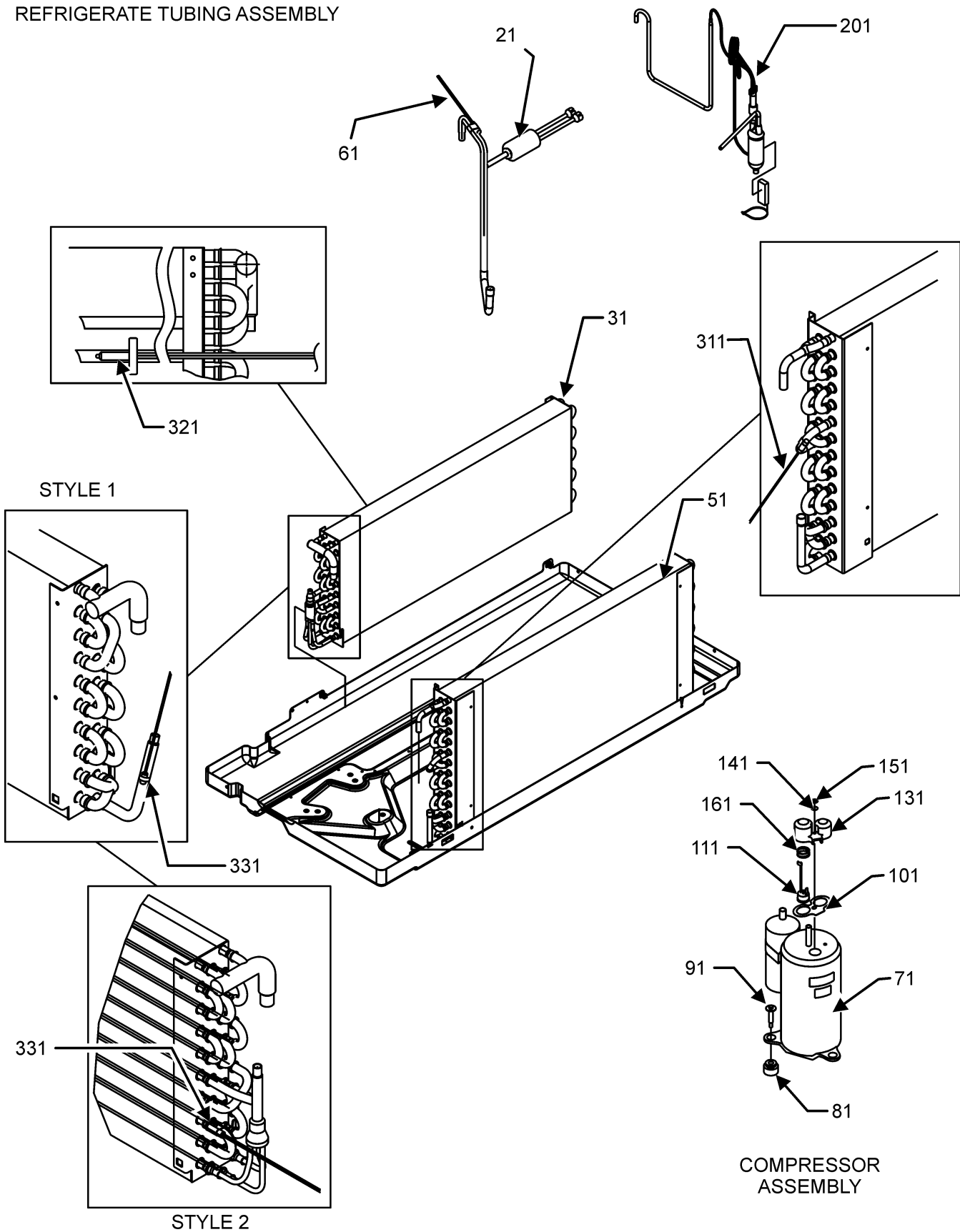
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00023	HEATER ASSY (M5, M6, M7, M8)
51	0275P00040	HEATER ASSY (M9, M10, M11, M12, M13, M14, M15)
51	0275P00041	HEATER ASSY (M16, M17, M18, M19, M20, M21)
61	0150P00005	WHEEL, BLOWER
71	0131P00029	FAN MOTOR, INDOOR (M1, M2, M3, M4)
71	0131P00057	FAN MOTOR, INDOOR (M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21)
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 - PTC154G00AXXXGA
 M2 - PTC154G00DHXXGA
 M3 - PTC154G00HRXXGA
 M4 - PTC154G00HXXGGA
 M5 - PTC154G25AXXXGA
 M6 - PTC154G25CXXGGA
 M7 - PTC154G25RXXGGA
 M8 - PTC154G25VXXGGA
 M9 - PTC154G35AXXXGA
 M10 - PTC154G35CXXGGA
 M11 - PTC154G35QRXXGA
 M12 - PTC154G35QXXGGA
 M13 - PTC154G35RWXXGA
 M14 - PTC154G35RXXGGA
 M15 - PTC154G35VXXGGA
 M16 - PTC154G50AXXXGA
 M17 - PTC154G50CXXGGA
 M18 - PTC154G50DXXGGA
 M19 - PTC154G50QRXXGA
 M20 - PTC154G50RXXGGA
 M21 - PTC154G50VXXGGA

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	0201P00137MB		5MM COND ASSY PAINTED (M6, M10, M17)
51	0201P00130		5MM CONDENSER COIL ASSY (M1, M2, M3, M4, M5, M7, M8, M9, M11, M12, M13, M14, M15, M16, M18, M19, M20, M21)
61	0130P00077		THERMISTOR IHD ORANGE (M3, M7, M11, M13, M14, M19, M20)
71	50A367QM-9GKG		COMPRESSOR, RECHI
81	60140209		GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163P00044		SCREW 1/4" - 20 UNC - 2A (QTY 3)
101	60100103		TERMINAL GASKET
111	60343525		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	0210P00440		CAPILLARY WELDMENT
311	0130P00094		THERMISTOR OCT BLUE (M3, M7, M11, M13, M14, M19, M20)
321	0130P00164		THERMISTOR IAT BLACK
331	0130P00159		THERMISTOR (M1, M2, M3, M4, M5, M7, M8, M9, M11, M12, M13, M14, M15, M16, M18, M19, M20, M21)
331	0130P00165		THERMISTOR ICT RED (M6, M10, M17)

Expanded Model Nomenclature

M1 - PTC154G00AXXXGA
 M2 - PTC154G00DHXXGA
 M3 - PTC154G00HRXXGA
 M4 - PTC154G00HXXGGA
 M5 - PTC154G25AXXXGA
 M6 - PTC154G25CXXGGA
 M7 - PTC154G25RXXGGA
 M8 - PTC154G25VXXGGA
 M9 - PTC154G35AXXXGA
 M10 - PTC154G35CXXGGA
 M11 - PTC154G35QRXXGA
 M12 - PTC154G35QXXGGA
 M13 - PTC154G35RWXXGA
 M14 - PTC154G35RXXGGA
 M15 - PTC154G35VXXGGA
 M16 - PTC154G50AXXXGA
 M17 - PTC154G50CXXGGA
 M18 - PTC154G50DXXGGA
 M19 - PTC154G50QRXXGA
 M20 - PTC154G50RXXGGA
 M21 - PTC154G50VXXGGA