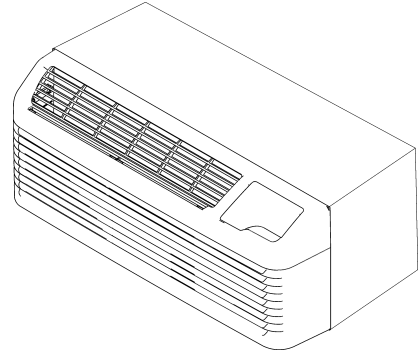

PTC124E Package Terminal Air Conditioner

PTC124E00CHXXAC
PTC124E00HRXXAB
PTC124E00HXXXAB
PTC124E25AXXXAB
PTC124E25AXXXAC
PTC124E25CXXXAB
PTC124E25CXXXAC
PTC124E25RXXXAB
PTC124E35AXXXAC
PTC124E35CXXXAB
PTC124E35CXXXAC
PTC124E35DXXXAB
PTC124E35QRXXAC
PTC124E35QXXXAC
PTC124E35RXXXAB
PTC124E50AXXXAB
PTC124E50AXXXAC
PTC124E50CXXXAB
PTC124E50CXXXAC
PTC124E50RXXXAB



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This manual is to be used by qualified technicians only.

This manual replaces RP-646E.

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

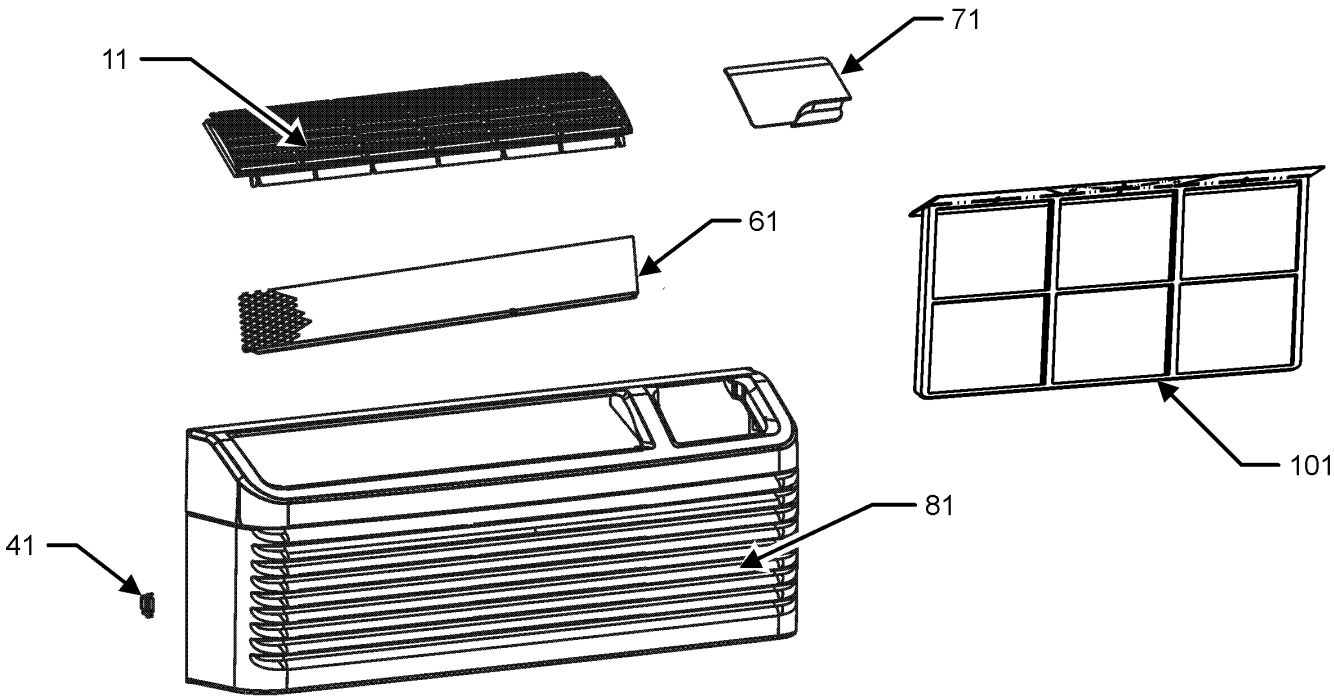
Part

No: Description:

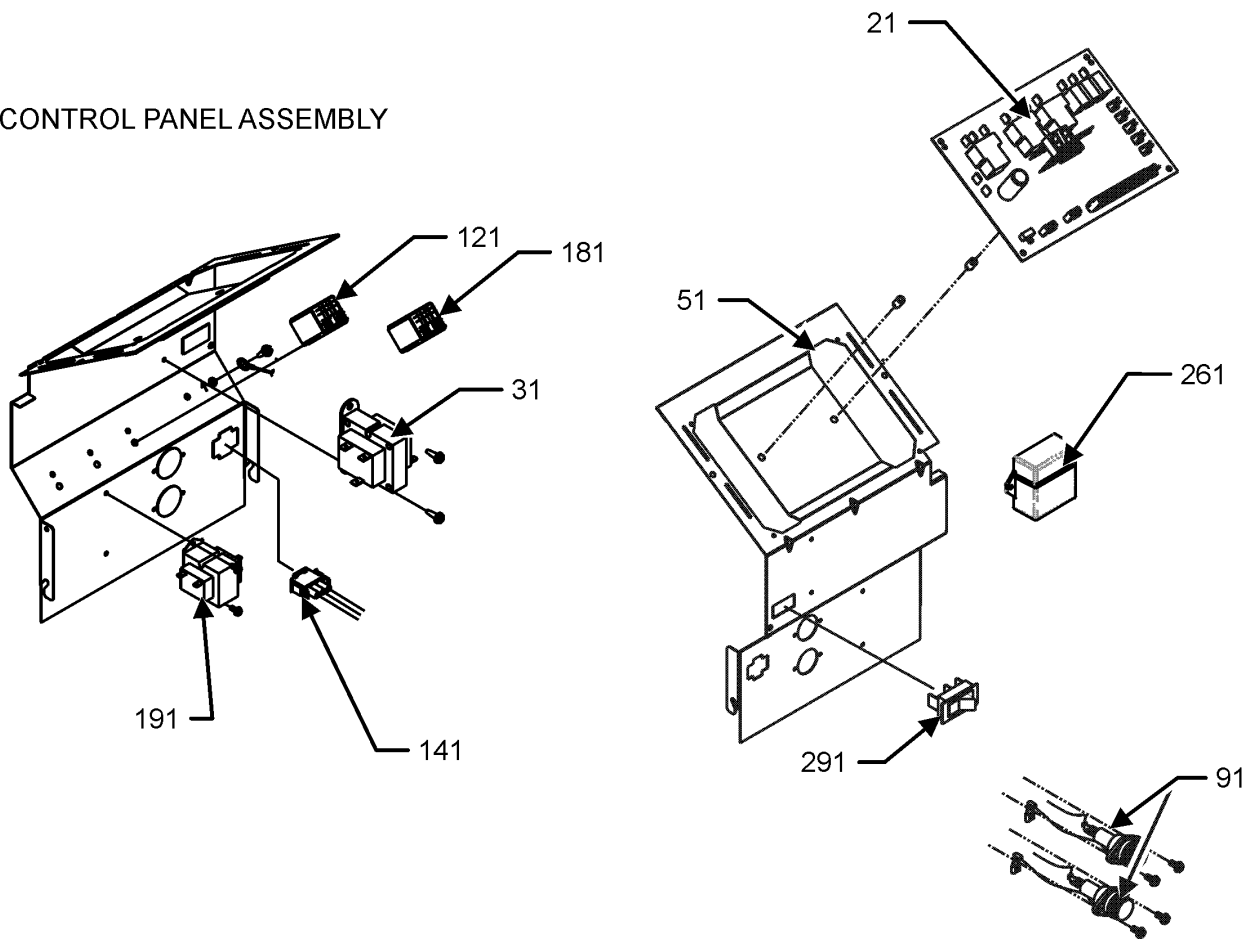
		Expanded Model Nomenclature
CAP015000500RP	CAPACITOR (M1, M2, M3, M16, M17, M18, M19, M20)	M1 - PTC124E00CHXXAC
CAP010000500RP	CAPACITOR (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15)	M2 - PTC124E00HRXXAB
CAP020300450CS	CAPACITOR 2/30/450V/DUAL RD (M1, M5, M7, M9, M11, M13, M14, M17, M19)	M3 - PTC124E00HXXXAB
CAP020300440RS	CAPACITOR, 440V (M2, M3, M4, M6, M8, M10, M12, M15, M16, M18, M20)	M4 - PTC124E25AXXXAB
44A287AK&JEKD	COMPRESSOR, RECHI	M5 - PTC124E25AXXXAC
RSKP0014	CONTROL BOARD KIT	M6 - PTC124E25CXXXAB
RSKP0010	CONTROL BOARD M61	M7 - PTC124E25CXXXAC
11114801	CORD-277V 30A (M16, M17, M18, M19, M20)	M8 - PTC124E25RXXXAB
11114701	CORD-277V-20A (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15)	M9 - PTC124E35AXXXAC
0130M00132	CUT-OUT SWITCH, HIGH PRESSURE	M10 - PTC124E35CXXXAB
0131P00017	FAN MOTOR OUTDOOR (M2, M3, M4, M6, M8, M10, M12, M15, M16, M18, M20)	M11 - PTC124E35CXXXAC
0131P00056	FAN MOTOR, INDOOR (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15)	M12 - PTC124E35DXXXAB
0131P00057	FAN MOTOR, INDOOR (M1, M2, M3, M16, M17, M18, M19, M20)	M13 - PTC124E35QRXXAC
0131P00028	FAN MOTOR, OUTDOOR (M1, M5, M7, M9, M11, M13, M14, M17, M19)	M14 - PTC124E35QXXXAC
0161P00055	FAN, CONDENSER	M15 - PTC124E35RXXXAB
A3410402	FUSE 15A (M1, M2, M3, M4, M5, M6, M7, M8)	M16 - PTC124E50AXXXAB
A3410403	FUSE 20A (M9, M10, M11, M12, M13, M14, M15)	M17 - PTC124E50AXXXAC
A3410404	FUSE 25A (M16, M17, M18, M19, M20)	M18 - PTC124E50CXXXAB
0275P00041	HEATER ASSY (M16, M17, M18, M19, M20)	M19 - PTC124E50CXXXAC
0275P00040	HEATER ASSY (M9, M10, M11, M12, M13, M14, M15)	M20 - PTC124E50RXXXAB
0275P00023	HEATER ASSY (M4, M5, M6, M7, M8)	
0130P00133	HUMIDITY SENSOR (M12)	
RSKP0005	MEMBRANE KIT	
0130P00137	MOTOR (M12)	
60343539	OVERLOAD PROTECTOR	
0130M00097	RELAY (M1, M5, M7, M9, M11, M13, M14, M17, M19)	
C8873917	RELAY (HYDRONIC) (M1, M2, M3)	
C8873932	RELAY (POWER VENT) (M12)	
0130P00077	THERMISTOR (M2, M8, M13, M15, M20)	
0130P00134	THERMISTOR - DISCHARGE	
0130P00047	THERMISTOR - INDOOR AMBIENT	
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M2, M8, M13, M15, M20)	
0130P00093	THERMISTOR, .375 CLIP, BLUE (M2, M8, M13, M15, M20)	
0130P00033	THERMISTOR-INDOOR COIL	
0130M00341	TRANSFORMER 20VA 230V (M4, M5, M6, M7, M8, M9, M10, M11, M13, M14, M15, M16, M17, M18, M19, M20)	
0130M00329	TRANSFORMER 20VA 60HZ (M12)	
0130M00601	TRANSFORMER, 40VA, 277V TO 24V (M1, M2, M3, M12)	

Front Panel and Control Panel Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY

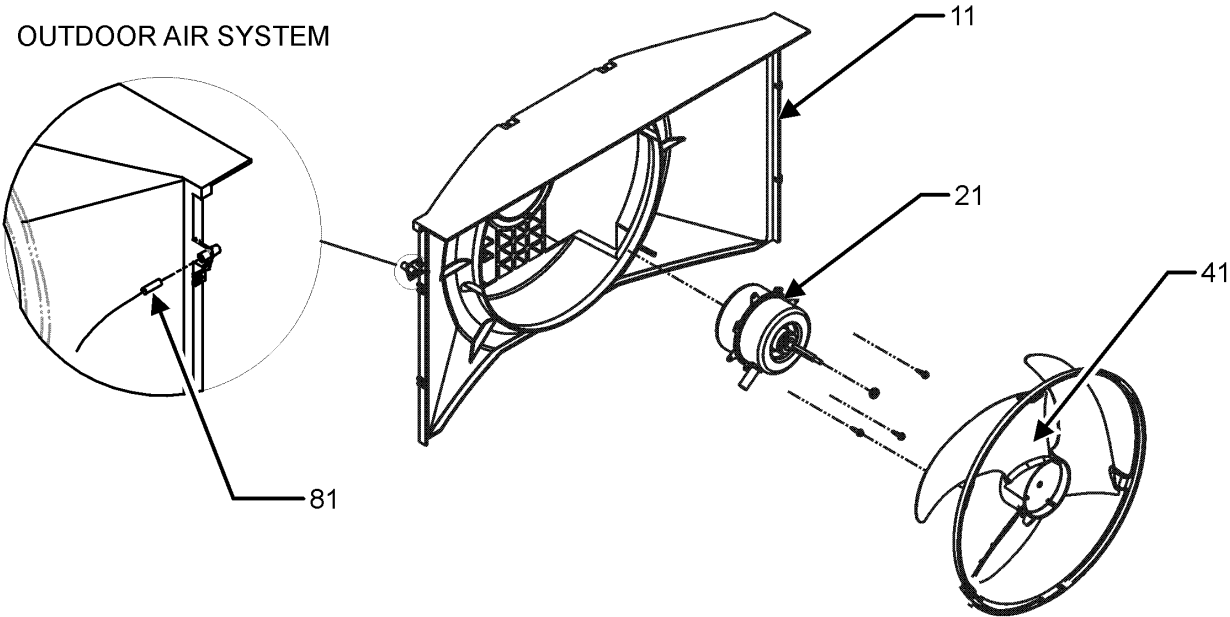


Front Panel and Control Panel Assembly

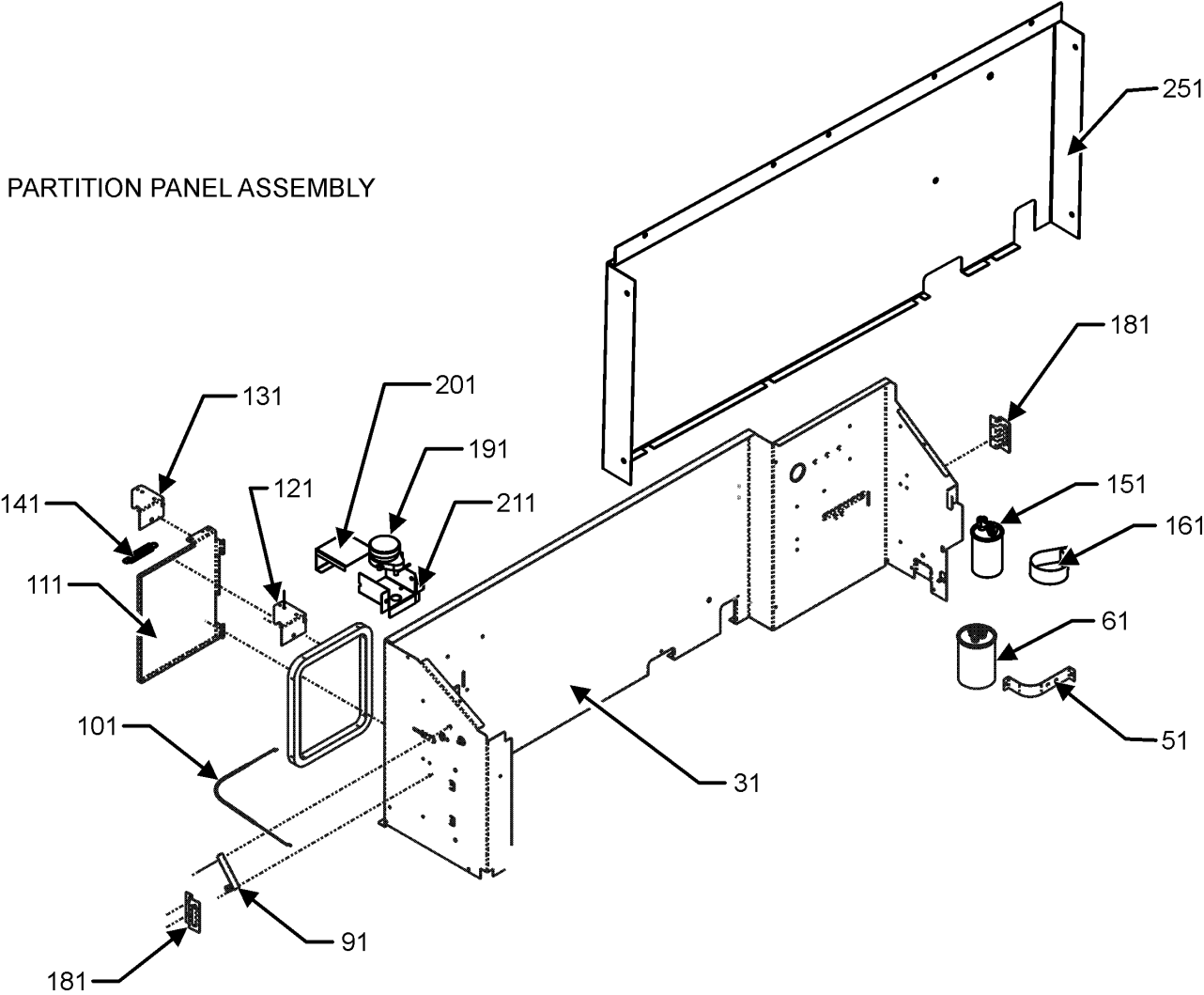
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00048	FRONT-DICHARGE LOUVERS (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)	M1 - PTC124E00CHXXAC M2 - PTC124E00HRXXAB M3 - PTC124E00HXXXAB M4 - PTC124E25AXXXAB M5 - PTC124E25AXXXAC M6 - PTC124E25CXXXAB M7 - PTC124E25CXXXAC M8 - PTC124E25RXXXAB M9 - PTC124E35AXXXAC M10 - PTC124E35CXXXAB M11 - PTC124E35CXXXAC M12 - PTC124E35DXXXAB M13 - PTC124E35QRXXAC M14 - PTC124E35QXXXAC M15 - PTC124E35RXXXAB M16 - PTC124E50AXXXAB M17 - PTC124E50AXXXAC M18 - PTC124E50CXXXAB M19 - PTC124E50CXXXAC M20 - PTC124E50RXXXAB
21	RSKP0010	CONTROL BOARD M61	
31	0130M00341	TRANSFORMER 20VA 230V (M4, M5, M6, M7, M8, M9, M10, M11, M13, M14, M15, M16, M17, M18, M19, M20)	
31	0130M00329	TRANSFORMER 20VA 60HZ (M12)	
41	0163P00025	CLIP (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)	
51	0121P00130	PANEL, CONTROL	
61	0121P00194BL	SCREEN, DISCHARGE, PAINTED (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)	
71	0261P00003	DOOR ASSY -AMANA- (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)	
81	0261P00011	FRONT ASSY (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)	
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)	
101	0161P00035	FILTER, RACK (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)	
121	C8873917	RELAY (HYDRONIC) (M1, M2, M3)	
121	C8873932	RELAY (POWER VENT) (M12)	
141	0259P00009	HARNESS, HYDR HT PTC (M1, M2, M3)	
181	0130M00097	RELAY (M1, M5, M7, M9, M11, M13, M14, M17, M19)	
191	0130M00601	TRANSFORMER, 40VA, 277V TO 24V (M1, M2, M3, M12)	
261	0130P00104	ANTENNA (M2, M8, M13, M15, M20)	
291	B1337701	PADDLE SWITCH (M12)	
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)	

Outdoor System and Partition Panel Assy

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY

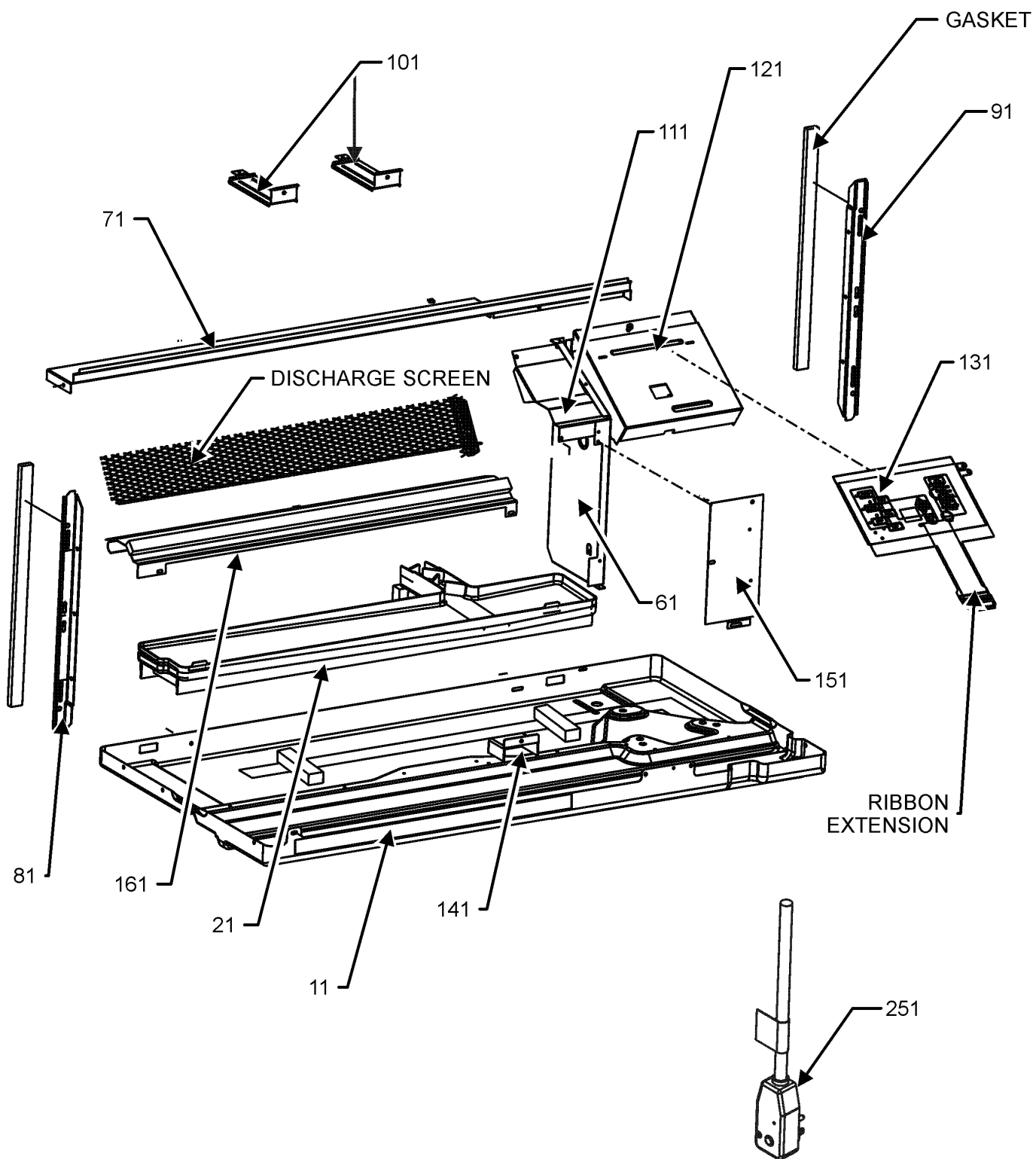


Outdoor System and Partition Panel Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00026	SHROUD, CONDENSER (M2, M3, M4, M6, M8, M10, M12, M15, M16, M18, M20)	M1 - PTC124E00CHXXAC M2 - PTC124E00HRXXAB M3 - PTC124E00HXXXAB M4 - PTC124E25AXXXAB M5 - PTC124E25AXXXAC M6 - PTC124E25CXXXAB M7 - PTC124E25CXXXAC M8 - PTC124E25RXXXAB M9 - PTC124E35AXXXAC M10 - PTC124E35CXXXAB M11 - PTC124E35CXXXAC M12 - PTC124E35DXXXAB M13 - PTC124E35QRXXAC M14 - PTC124E35QXXXAC M15 - PTC124E35RXXXAB M16 - PTC124E50AXXXAB M17 - PTC124E50AXXXAC M18 - PTC124E50CXXXAB M19 - PTC124E50CXXXAC M20 - PTC124E50RXXXAB
11	0161P00053	SHROUD, CONDENSOR (M1, M5, M7, M9, M11, M13, M14, M17, M19)	
21	0131P00017	FAN MOTOR OUTDOOR (M2, M3, M4, M6, M8, M10, M12, M15, M16, M18, M20)	
21	0131P00028	FAN MOTOR, OUTDOOR (M1, M5, M7, M9, M11, M13, M14, M17, M19)	
31	0121P00093	PANEL-PARTITION (M13, M14)	
31	0121P00108DG	PANEL-PARTITION (M1, M2, M3, M4, M5, M8, M9, M12, M15, M16, M17, M20)	
31	0121P00108NG	PANEL-PARTITION (M6, M7, M10, M11, M18, M19)	
41	0161P00055	FAN, CONDENSER	
51	C6300502	CAPACITOR STRAP	
61	CAP020300450CS	CAPACITOR 2/30/450V/DUAL RD (M1, M5, M7, M9, M11, M13, M14, M17, M19)	
61	CAP020300440RS	CAPACITOR, 440V (M2, M3, M4, M6, M8, M10, M12, M15, M16, M18, M20)	
81	0130P00098	THERMISTOR - OUTDOOR AMBIENT (M2, M8, M13, M15, M20)	
91	11046302	LEVER ARM (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M15, M16, M17, M18, M19, M20)	
101	0163P00019	CABLE (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M15, M16, M17, M18, M19, M20)	
111	0121P00177NG	DOOR - PNT VENT PTC (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M15, M16, M17, M18, M19, M20)	
121	0121P00079	BRACKET, VENT DOOR (M12)	
131	0121P00072NG	BRACKET, VENT DOOR-C (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M15, M16, M17, M18, M19, M20)	
141	11166401	EXTENSION SPRING (M12)	
151	CAP010000500RP	CAPACITOR (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15)	
151	CAP015000500RP	CAPACITOR (M1, M2, M3, M16, M17, M18, M19, M20)	
161	0163P00029	CAPACITOR CLAMP	
181	11191703	PARTITION PANEL BRACKET (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)	
191	0130P00137	MOTOR (M12)	
201	11166201	POWER VENT COVER BRACKET (M12)	
211	11166101	POWER VENT MOTOR BRACKET (M12)	
251	0121P00091	PANEL-AUXILLIARY (M13, M14)	
NS	0130P00133	HUMIDITY SENSOR (M12)	

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

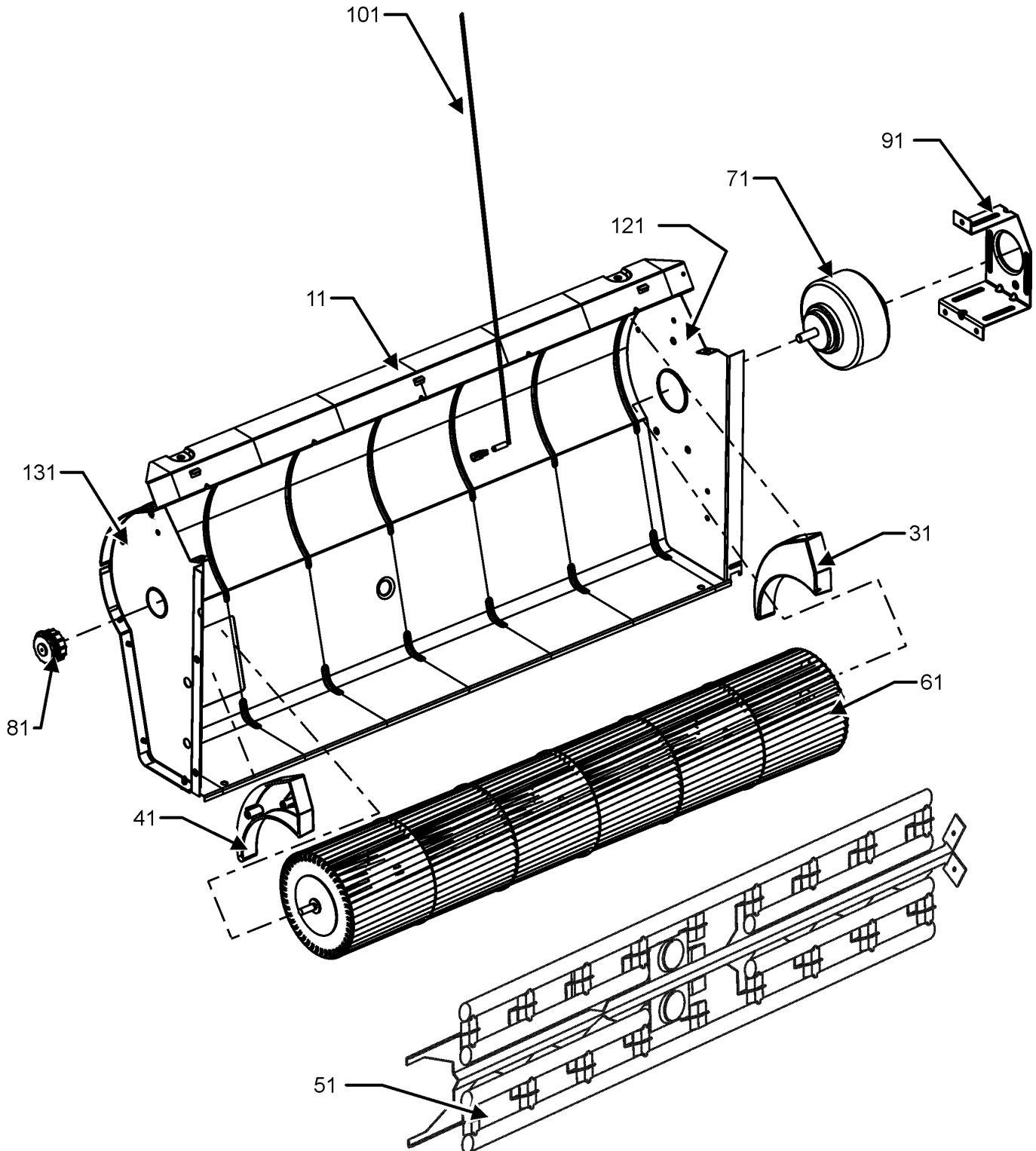
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Image 1:			
11	0121P00175DG		BASE PAN (M2, M3, M4, M5, M8, M9, M12, M13, M14, M15, M16, M17, M20)
11	0121P00175NG		BASE PAN (M1, M6, M7, M10, M11, M18, M19)
21	0161P00044		PLASTIC-DRAIN PAN
61	20403301		MID PARTITION PANEL
71	0121P00063NG		TOP, PARTITION PANEL
81	0121P00197		SEAL-L SIDE PTC
91	0121P00198		SEAL-R SIDE PTC
101	0121P00071NG		BRACE, TIE (QTY 2)
111	0121P00070DG		COVER, MOTOR
121	0121P00129		COVER-CONTROL PANEL
131	RSKP0005		MEMBRANE KIT
141	0161P00016		PLASTIC-HOOD (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M15, M16, M17, M18, M19, M20)
151	20410801		ACCESS COVER
161	0121P00061DG		CUTOFF-SCROLL DG
251	11114801		CORD-277V 30A (M16, M17, M18, M19, M20)
251	11114701		CORD-277V-20A (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15)
NS	0130P00054		MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PTC124E00CHXXAC
 M2 - PTC124E00HRXXAB
 M3 - PTC124E00HXXXAB
 M4 - PTC124E25AXXXAB
 M5 - PTC124E25AXXXAC
 M6 - PTC124E25CXXXAB
 M7 - PTC124E25CXXXAC
 M8 - PTC124E25RXXXAB
 M9 - PTC124E35AXXXAC
 M10 - PTC124E35CXXXAB
 M11 - PTC124E35CXXXAC
 M12 - PTC124E35DXXXAB
 M13 - PTC124E35QRXXAC
 M14 - PTC124E35QXXXAC
 M15 - PTC124E35RXXXAB
 M16 - PTC124E50AXXXAB
 M17 - PTC124E50AXXXAC
 M18 - PTC124E50CXXXAB
 M19 - PTC124E50CXXXAC
 M20 - PTC124E50RXXXAB

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

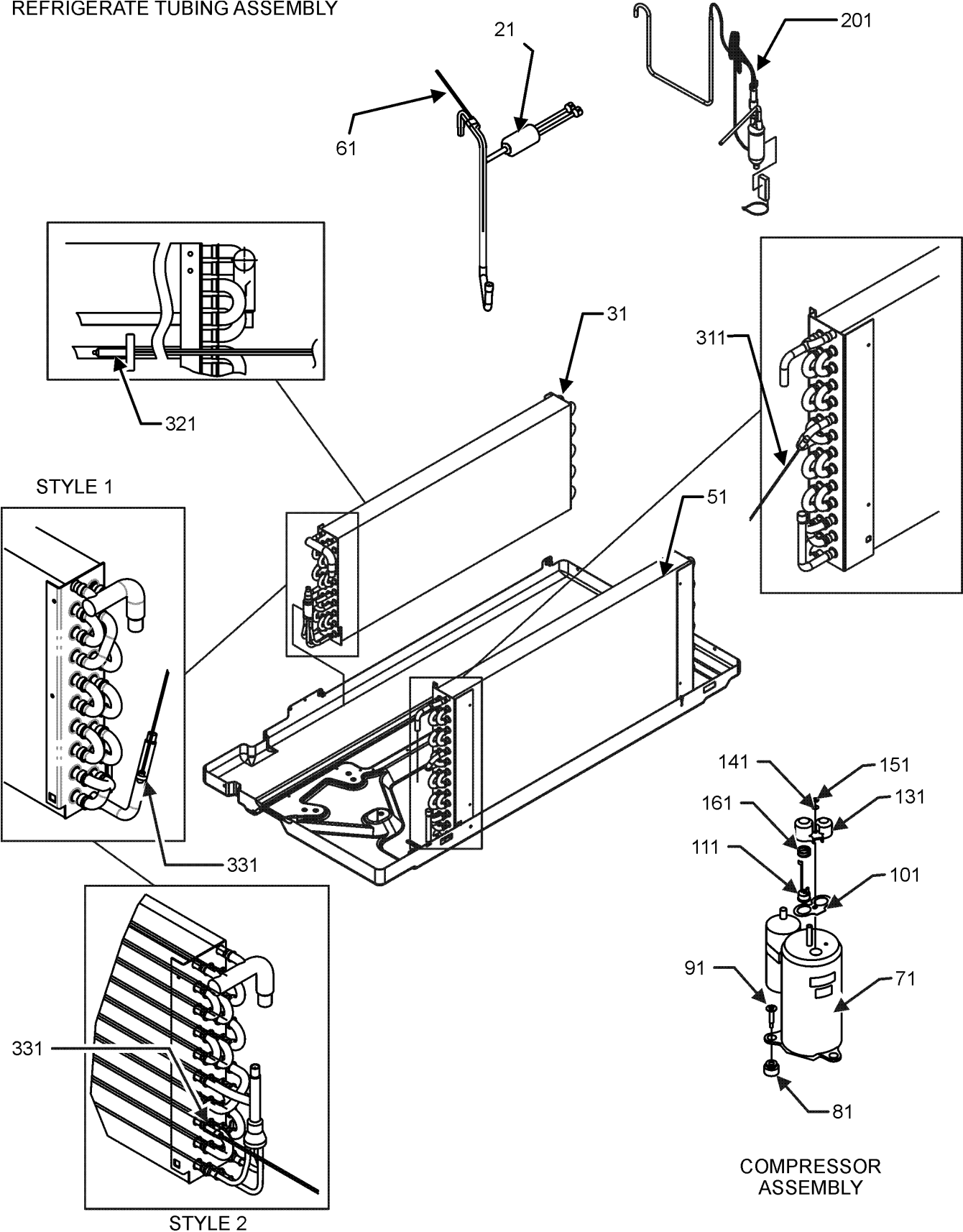
11	0270P01070	SCROLL ASSY
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00023	HEATER ASSY (M4, M5, M6, M7, M8)
51	0275P00040	HEATER ASSY (M9, M10, M11, M12, M13, M14, M15)
51	0275P00041	HEATER ASSY (M16, M17, M18, M19, M20)
61	0150P00005	WHEEL, BLOWER
71	0131P00056	FAN MOTOR, INDOOR (M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15)
71	0131P00057	FAN MOTOR, INDOOR (M1, M2, M3, M16, M17, M18, M19, M20)
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR - DISCHARGE
121	0121P00059DG	ENDPLATE-RH SCROLL
131	0121P00215DG	ENDPLATE- LH SCROLL

Expanded Model Nomenclature

M1 - PTC124E00CHXXAC
 M2 - PTC124E00HRXXAB
 M3 - PTC124E00HXXXAB
 M4 - PTC124E25AXXXAB
 M5 - PTC124E25AXXXAC
 M6 - PTC124E25CXXXAB
 M7 - PTC124E25CXXXAC
 M8 - PTC124E25RXXXAB
 M9 - PTC124E35AXXXAC
 M10 - PTC124E35CXXXAB
 M11 - PTC124E35CXXXAC
 M12 - PTC124E35DXXXAB
 M13 - PTC124E35QRXXAC
 M14 - PTC124E35QXXXAC
 M15 - PTC124E35RXXXAB
 M16 - PTC124E50AXXXAB
 M17 - PTC124E50AXXXAC
 M18 - PTC124E50CXXXAB
 M19 - PTC124E50CXXXAC
 M20 - PTC124E50RXXXAB

Refrigerate Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



Refrigerate Tubing Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
21	0130M00132		CUT-OUT SWITCH, HIGH PRESSURE
31	0202P00065		EVAP ASSY, 5/16, 3 ROW
51	0201P00079		CONDENSER ASSY (M2, M3, M4, M5, M8, M9, M12, M13, M14, M15, M16, M17, M20)
51	0201P00083DG		CONDENSER ASSY PNT (M1, M6, M7, M10, M11, M18, M19)
61	0130P00077		THERMISTOR (M2, M8, M13, M15, M20)
71	44A287AK&JEKD		COMPRESSOR, RECHI
81	60130203		GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163M00079		SCREW, SHOULDER (QTY 3)
101	60100103		TERMINAL GASKET
111	60343539		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	0210P00180		CAPILLARY WELDMENT
311	0130P00093		THERMISTOR, .375 CLIP, BLUE (M2, M8, M13, M15, M20)
321	0130P00047		THERMISTOR - INDOOR AMBIENT
331	0130P00033		THERMISTOR-INDOOR COIL

Expanded Model Nomenclature

M1 - PTC124E00CHXXAC
 M2 - PTC124E00HRXXAB
 M3 - PTC124E00HXXXAB
 M4 - PTC124E25AXXXAB
 M5 - PTC124E25AXXXAC
 M6 - PTC124E25CXXXAB
 M7 - PTC124E25CXXXAC
 M8 - PTC124E25RXXXAB
 M9 - PTC124E35AXXXAC
 M10 - PTC124E35CXXXAB
 M11 - PTC124E35CXXXAC
 M12 - PTC124E35DXXXAB
 M13 - PTC124E35QRXXAC
 M14 - PTC124E35QXXXAC
 M15 - PTC124E35RXXXAB
 M16 - PTC124E50AXXXAB
 M17 - PTC124E50AXXXAC
 M18 - PTC124E50CXXXAB
 M19 - PTC124E50CXXXAC
 M20 - PTC124E50RXXXAB