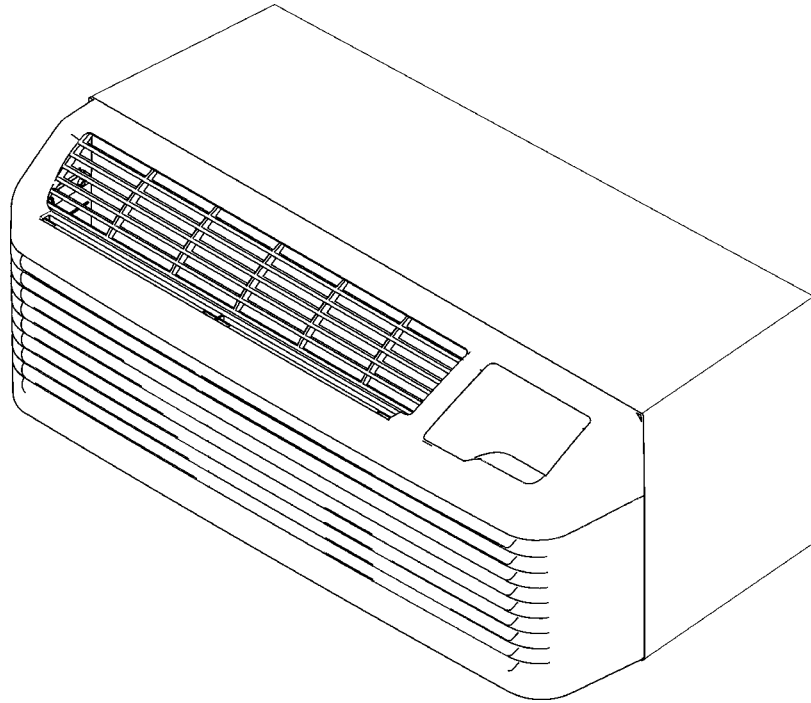


REPAIR PARTS

PTC153G Series R410A PTAC Coolers

PTC153G00AXXXAA
PTC153G00CXXXAA
PTC153G00HRXXAA
PTC153G00HVXXAA
PTC153G00HXXXAA
PTC153G25AXXXAA
PTC153G25CXXXAA
PTC153G25RXXXAA
PTC153G35AXXXAA
PTC153G35CXXXAA
PTC153G35QRXXAA
PTC153G35QXXXAA
PTC153G35RVXXAA
PTC153G35RXXXAA
PTC153G35VXXXAA
PTC153G50AXXXAA
PTC153G50CXXXAA
PTC153G50DXXXAA
PTC153G50RXXXAA
PTC153G50VXXXAA



This manual is to be used by qualified technicians only.

This manual replaces RP-696.

© 2012 Goodman Manufacturing Company, L.P. ♦ 5151 San Felipe, Suite 500 ♦ Houston, TX 77056

Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 13

Views shown are for parts illustrations only, not servicing procedures.

Rev A: Introduction of 5mm condenser coils.

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 Manufacturing 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 Manufacturing Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

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

Functional Parts

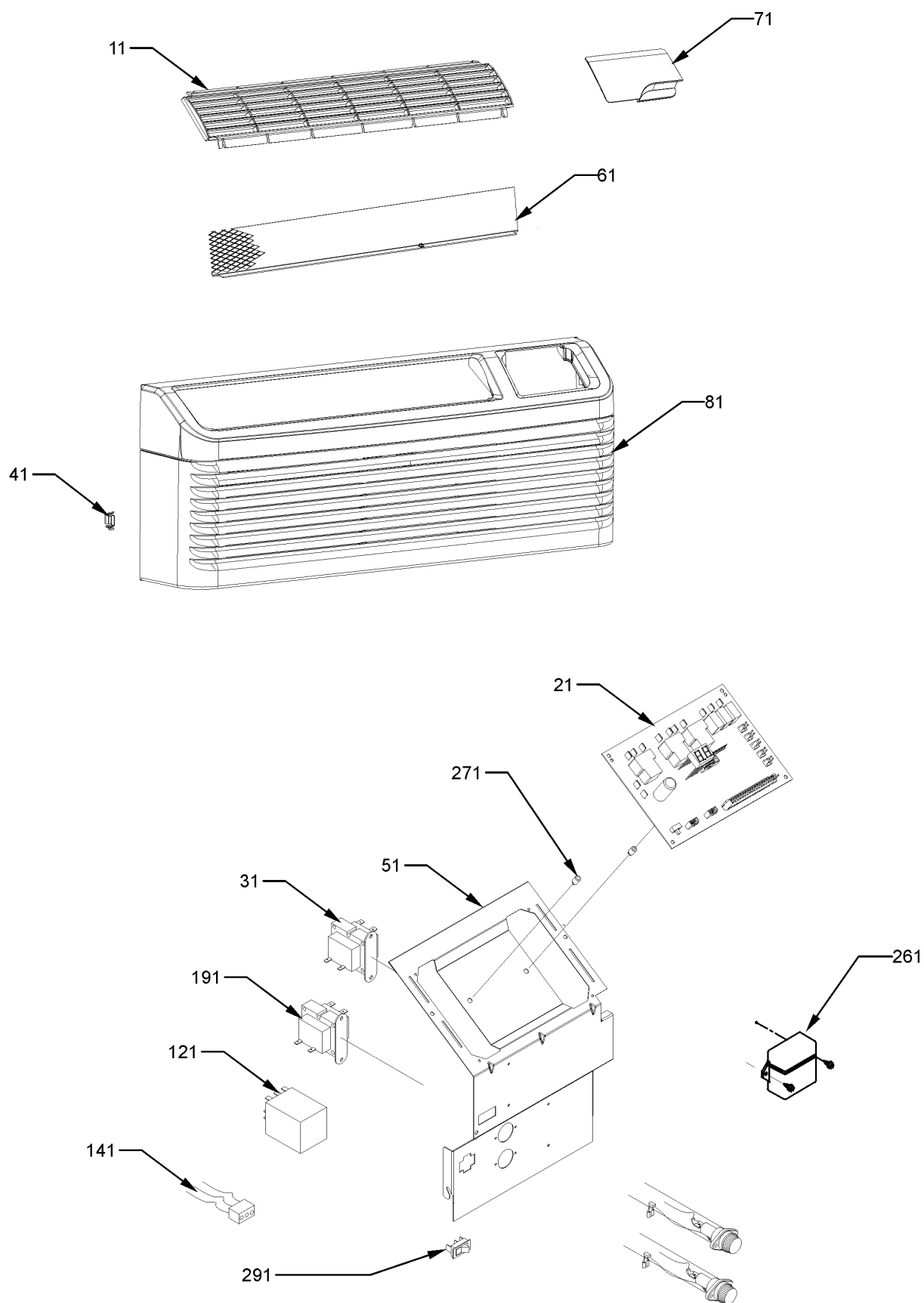
Part

No:

Description:

CAP050300450RS	CAP, 5/30 MFD/450V/DUAL RD
50A362Q	COMPRESSOR, RECHI
RSKP0010	CONTROL BOARD M61
0131P00025	FAN MOTOR OUTDOOR
0131P00007	FAN MOTOR, INDOOR
0161P00030	FAN, CONDENSER
0275P00019	HEATER ASSY (M6, M7, M8)
0275P00021	HEATER ASSY (M16, M17, M18, M19, M20)
0275P00020	HEATER ASSY (M9, M10, M11, M12, M13, M14, M15)
11172801	POWER VENT MOTOR (M4, M13, M15, M18, M20)
0130M00096	RELAY
C8873917	RELAY (HYDRONIC) (M3, M4, M5)
C8873932	RELAY (POWER VENT) (M4, M13, M15, M18, M20)
0130M00066	SWITCH, HIGH PRESS
B1160701	TERMINAL BOARD (M4, M13, M15, M18, M20)
0130P00073	THERMISTOR
0130P00038	THERMISTOR-DISCHARGE
20295709	THERMISTOR-HEAT PUMP (M3, M8, M11, M14, M19)
20295707	THERMISTOR-INDOOR COIL
0130P00039	THERMISTOR-OUTDOOR AMBIENT (M3, M8, M11, M13, M14, M19)
B1378501	TRANSFORMER (M3, M4, M5, M13, M15, M18, M20)
20512501	TRANSFORMER (HYDRONIC) (M1, M2, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)

Control Panel / Front Assembly



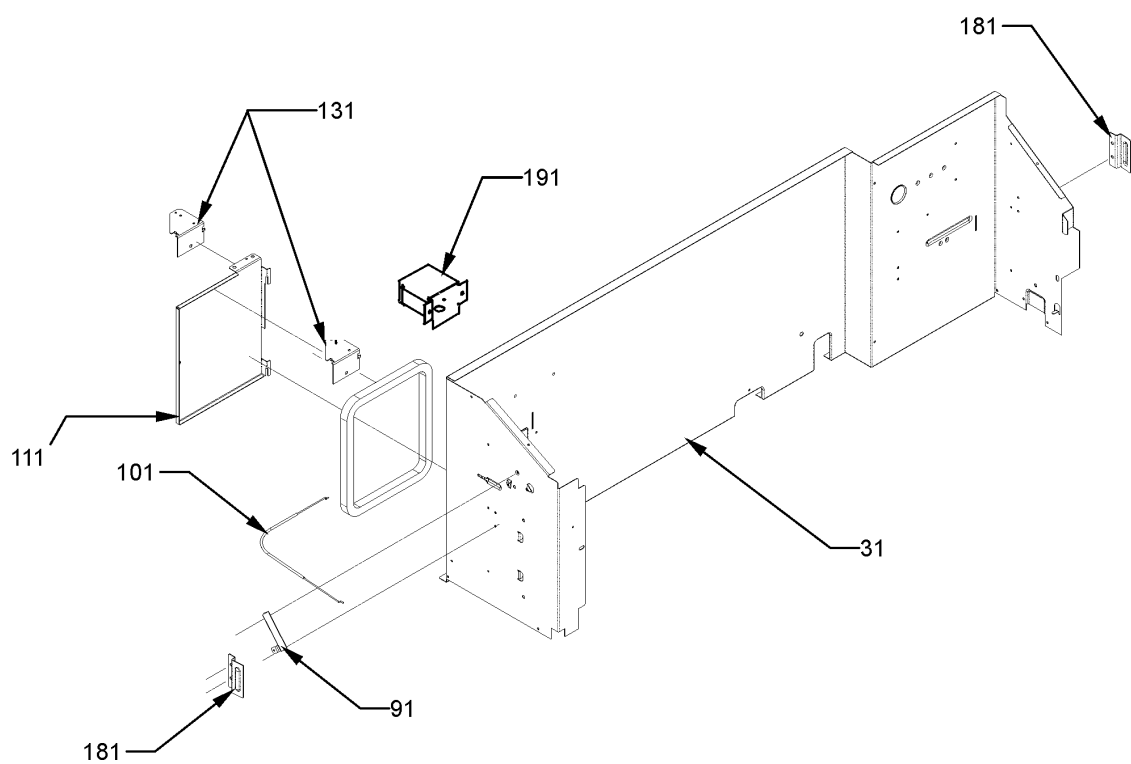
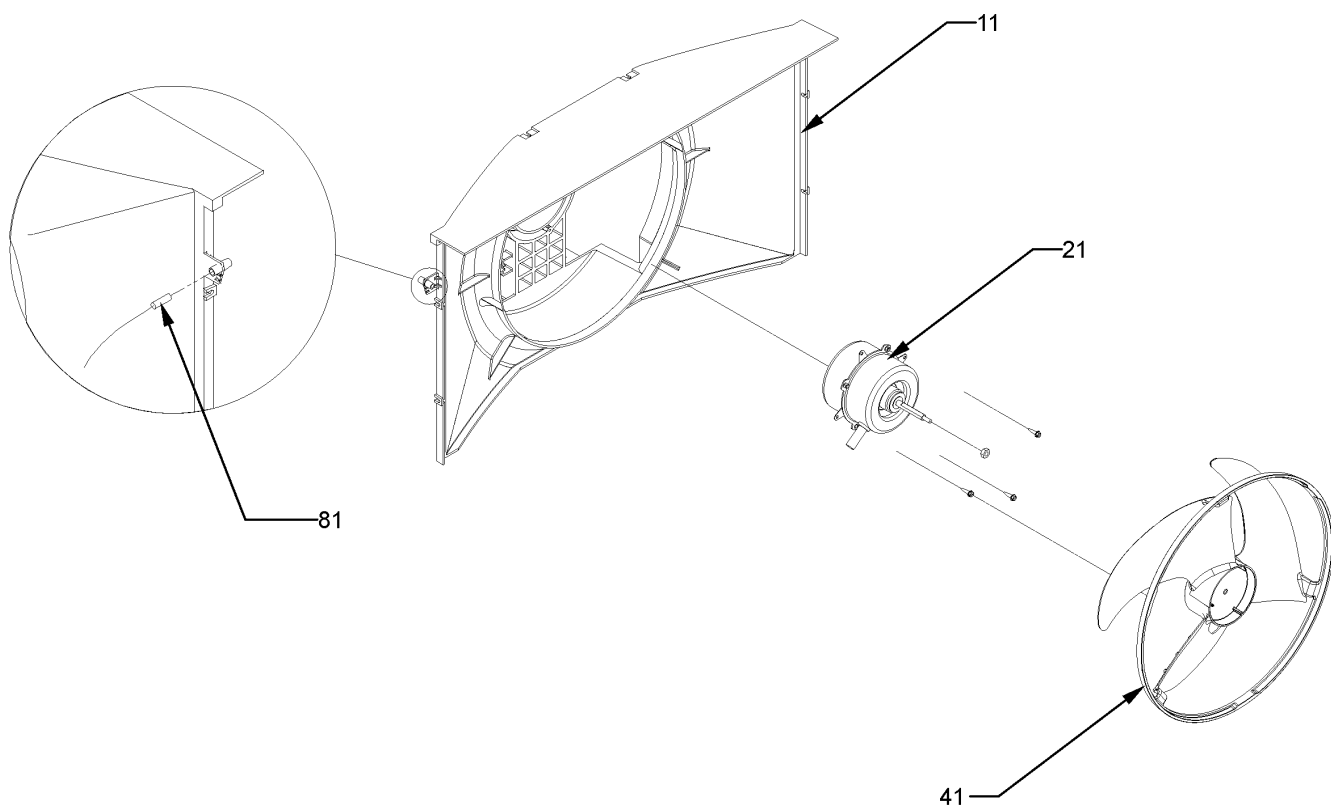
Control Panel / Front Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11 0161P00033	FRONT-DICHARGE LOUVERS (M1, M2, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)		
21 RSKP0010	CONTROL BOARD M61		
31 20512501	TRANSFORMER (HYDRONIC) (M1, M2, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)		
41 0163P00025	CLIP (M1, M2, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)		
51 0121P00087	PANEL, CONTROL		
61 0121P00073DG	DISCHARGE SCREEN, PNT (M1, M2, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)		
71 0261P00003	DOOR ASSY -AMANA- (M1, M2, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)		
81 0261P00011S	FRONT ASSY (M1, M2, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)		
121 0130M00096	RELAY		
121 C8873917	RELAY (HYDRONIC) (M3, M4, M5)		
121 C8873932	RELAY (POWER VENT) (M4, M13, M15, M18, M20)		
141 0259P00009	HARNESS, HYDR HT PTC (M3, M4, M5)		
191 B1378501	TRANSFORMER (M3, M4, M5, M13, M15, M18, M20)		
261 1261401	DIGITENNA (M3, M8, M11, M13, M14, M19)		
291 B1337701	PADDLE SWITCH (M4, M13, M15, M18, M20)		
NS 0161P00035	FILTER, RACK (M1, M2, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)		
NS B1160701	TERMINAL BOARD (M4, M13, M15, M18, M20)		

Expanded Model Nomenclature

M1 - PTC153G00AXXXAA
M2 - PTC153G00CXXXAA
M3 - PTC153G00HRXXAA
M4 - PTC153G00HVXXAA
M5 - PTC153G00HXXXAA
M6 - PTC153G25AXXXAA
M7 - PTC153G25CXXXAA
M8 - PTC153G25RXXXAA
M9 - PTC153G35AXXXAA
M10 - PTC153G35CXXXAA
M11 - PTC153G35QRXXAA
M12 - PTC153G35QXXXAA
M13 - PTC153G35RVXXAA
M14 - PTC153G35RXXXAA
M15 - PTC153G35VXXXAA
M16 - PTC153G50AXXXAA
M17 - PTC153G50CXXXAA
M18 - PTC153G50DXXXAA
M19 - PTC153G50RXXXAA
M20 - PTC153G50VXXXAA

Condenser Fan / Partition Assembly



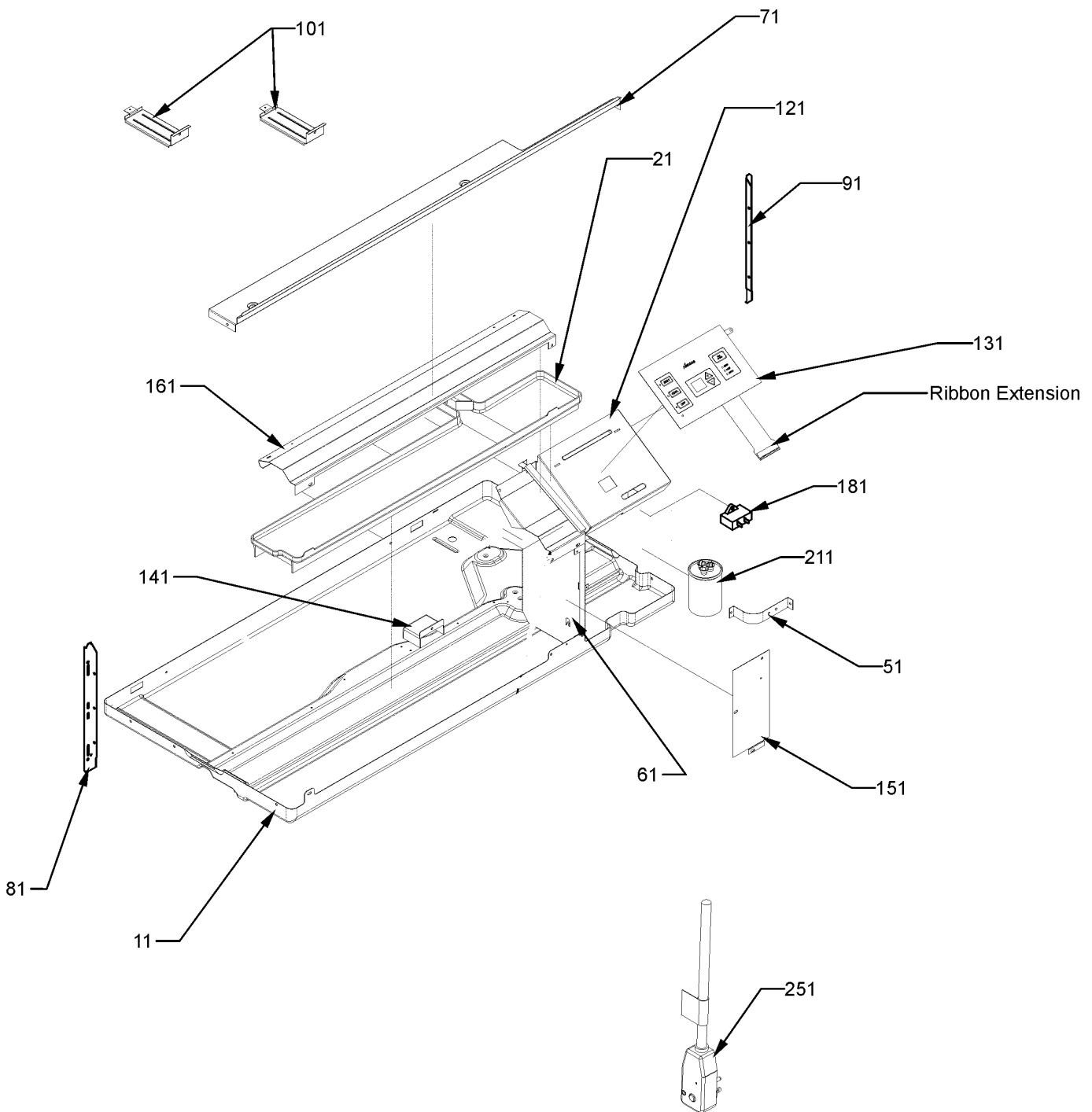
Condenser Fan / Partition Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	0161P00026		SHROUD, CONDENSER
21	0131P00025		FAN MOTOR OUTDOOR
41	0161P00030		FAN, CONDENSER
81	0130P00039		THERMISTOR-OUTDOOR AMBIENT (M3, M8, M11, M13, M14, M19)
91	11046302		LEVER ARM (M1, M2, M3, M5, M6, M7, M8, M9, M10, M14, M16, M17, M19)
101	0163P00019		CABLE
111	11046105PDG		VENT DOOR (M2, M7, M10, M17)
131	0121P00079		BRACKET, VENT DOOR (M4, M13, M15, M18, M20)
131	0121P00072DG		BRACKET, VENT DOOR-C (M2, M7, M10, M17)
131	11166101		POWER VENT MOTOR BRACKET (M4, M13, M15, M18, M20)
181	11191703		PARTITION PANEL BRACKET (M1, M2, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)
191	0270P00997		POWER DOOR ASSY (M18)
191	0270P01059		POWER VENT ASSY (M4, M13, M15, M20)
NS	11166401		EXTENSION SPRING (M4, M13, M15, M18, M20)
NS	11166201		POWER VENT COVER BRACKET (M4, M13, M15, M18, M20)
NS	11172801		POWER VENT MOTOR (M4, M13, M15, M18, M20)

Expanded Model Nomenclature

M1 - PTC153G00AXXXAA
M2 - PTC153G00CXXXAA
M3 - PTC153G00HRXXAA
M4 - PTC153G00HVXXAA
M5 - PTC153G00HXXXAA
M6 - PTC153G25AXXXAA
M7 - PTC153G25CXXXAA
M8 - PTC153G25RXXXAA
M9 - PTC153G35AXXXAA
M10 - PTC153G35CXXXAA
M11 - PTC153G35QRXXAA
M12 - PTC153G35QXXXAA
M13 - PTC153G35RVXXAA
M14 - PTC153G35RXXXAA
M15 - PTC153G35VXXXAA
M16 - PTC153G50AXXXAA
M17 - PTC153G50CXXXAA
M18 - PTC153G50DXXXAA
M19 - PTC153G50RXXXAA
M20 - PTC153G50VXXXAA

Partition Assembly



Partition Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
----------------------	--------------	----------------------	--------------

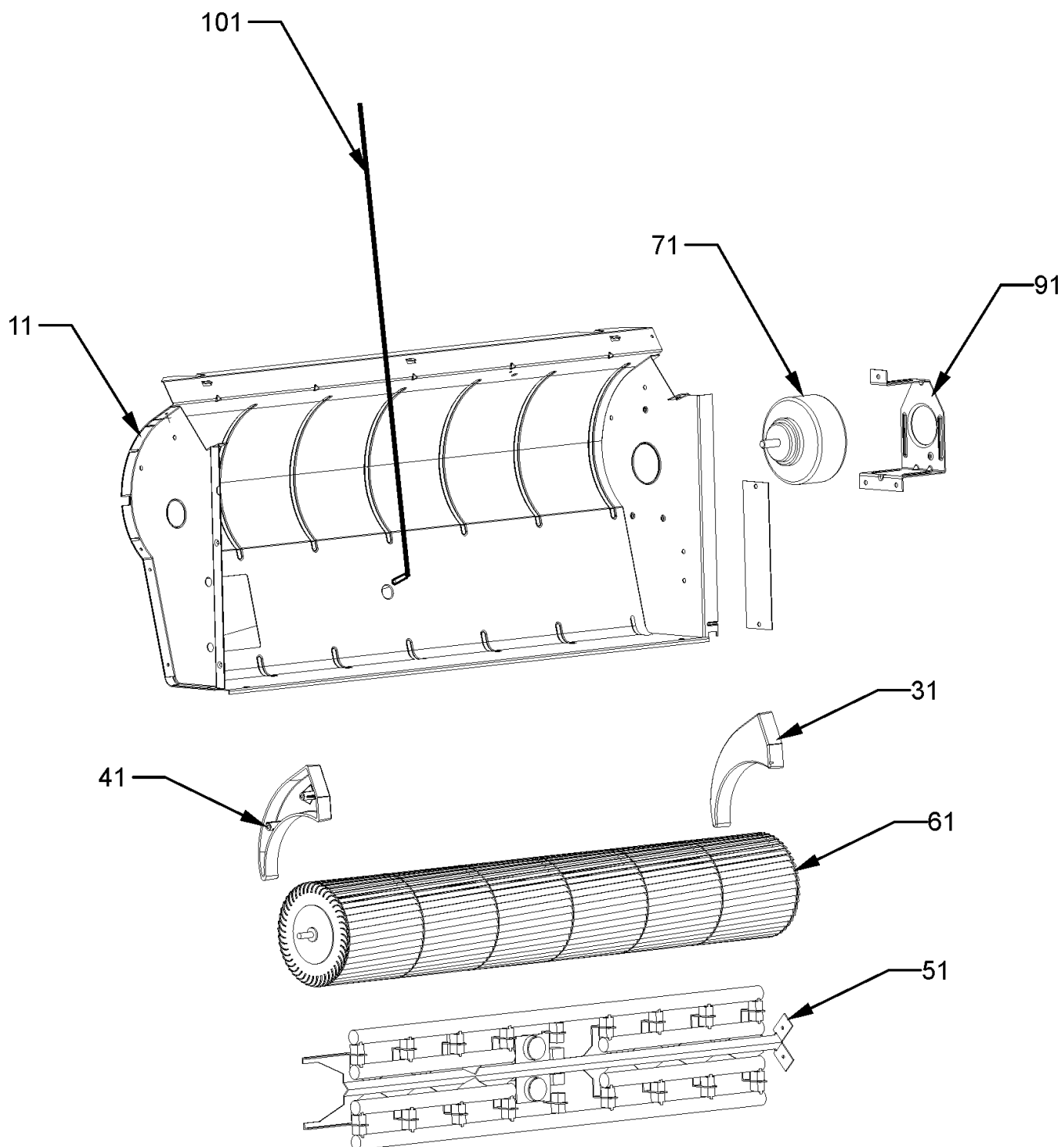
Image 1:

11	0121P00056	BASEPAN
21	0161P00044	PLASTIC-DRAIN PAN
51	C6300502	CAPACITOR STRAP
61	20403301	MID PARTITION PANEL
71	0121P00063DG	TOP, PARTITION PANEL PNT (M2, M7, M10, M17)
81	20416201	SEAL-L SIDE PTC
91	20416101	SEAL-R SIDE PTC
101	0121P00071DG	BRACE, TIE PNT (M2, M7, M10, M17)
121	0121P00001P	CONTROL PANEL COVER
131	RSKP0005	TOUCH PAD
141	0161P00016	PLASTIC-HOOD
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
211	CAP050300450RS	CAP, 5/30 MFD/450V/DUAL RD
251	0130P00069	CORD, 250VAC, 15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8)
251	0130P00058	CORD, 250VAC, 20A (LCD) (M9, M10, M11, M12, M13, M14, M15)
251	0130P00062	CORD, 250VAC, 30A (LCD) (M16, M17, M18, M19, M20)
NS	0121P00070DG	COVER, MOTOR PNT

Expanded Model Nomenclature

M1 - PTC153G00AXXXAA
M2 - PTC153G00CXXXAA
M3 - PTC153G00HRXXAA
M4 - PTC153G00HVXXAA
M5 - PTC153G00HXXXAA
M6 - PTC153G25AXXXAA
M7 - PTC153G25CXXXAA
M8 - PTC153G25RXXXAA
M9 - PTC153G35AXXXAA
M10 - PTC153G35CXXXAA
M11 - PTC153G35QRXXAA
M12 - PTC153G35QXXXAA
M13 - PTC153G35RVXXAA
M14 - PTC153G35RXXXAA
M15 - PTC153G35VXXXAA
M16 - PTC153G50AXXXAA
M17 - PTC153G50CXXXAA
M18 - PTC153G50DXXXAA
M19 - PTC153G50RXXXAA
M20 - PTC153G50VXXXAA

Evaporator Blower / Heater Assembly



Evaporator Blower / Heater Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
----------------------	--------------	----------------------	--------------

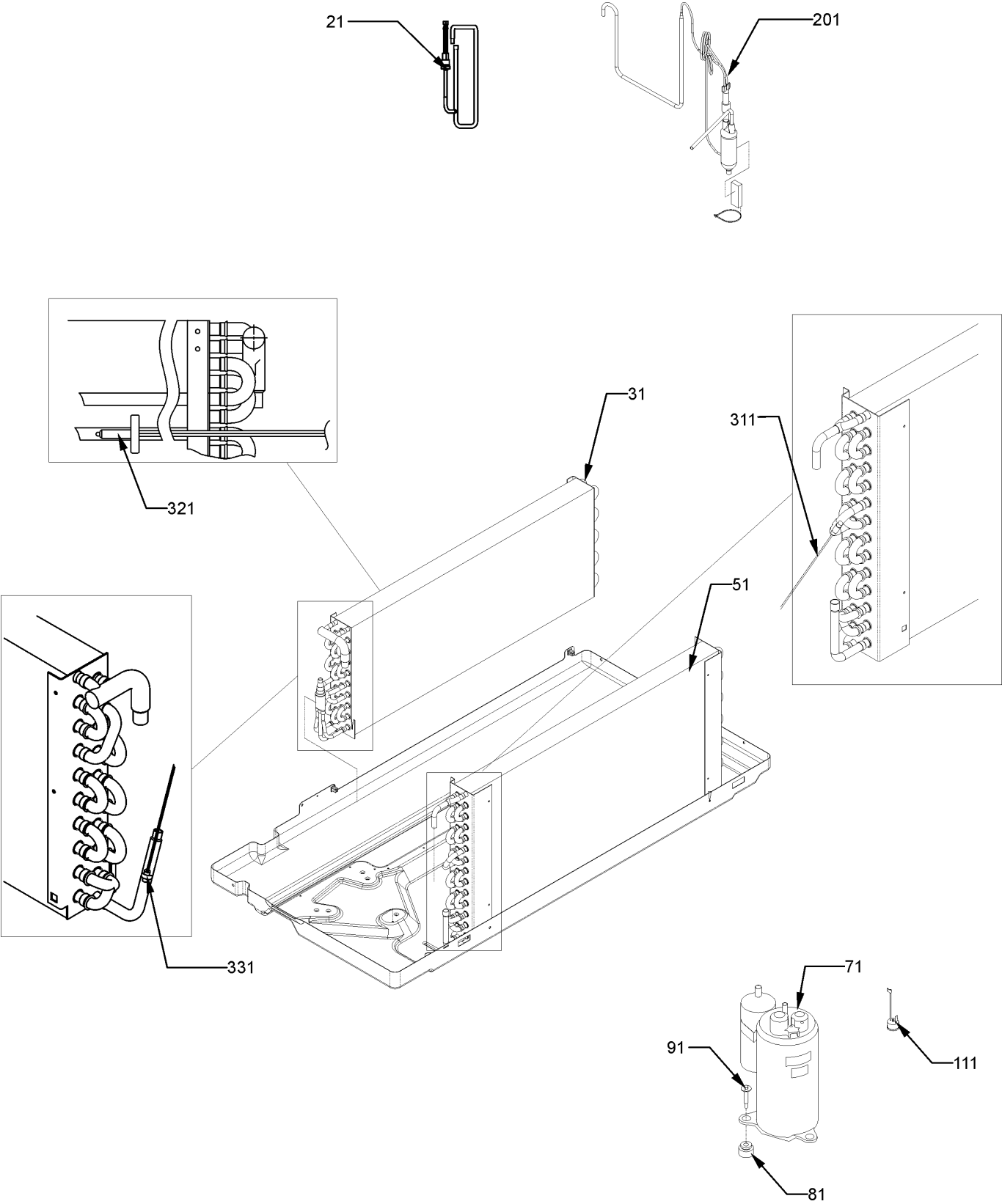
Image 1:

11	0270P01070	SCROLL ASSY
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M6, M7, M8)
51	0275P00020	HEATER ASSY (M9, M10, M11, M12, M13, M14, M15)
51	0275P00021	HEATER ASSY (M16, M17, M18, M19, M20)
61	0150P00004	WHEEL, BLOWER
71	0131P00007	FAN MOTOR, INDOOR
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00038	THERMISTOR-DISCHARGE
NS	0163P00027	BEARING

Expanded Model Nomenclature

M1 - PTC153G00AXXXAA
M2 - PTC153G00CXXXAA
M3 - PTC153G00HRXXAA
M4 - PTC153G00HVXXAA
M5 - PTC153G00HXXXAA
M6 - PTC153G25AXXXAA
M7 - PTC153G25CXXXAA
M8 - PTC153G25RXXXAA
M9 - PTC153G35AXXXAA
M10 - PTC153G35CXXXAA
M11 - PTC153G35QRXXAA
M12 - PTC153G35QXXXAA
M13 - PTC153G35RVXXAA
M14 - PTC153G35RXXXAA
M15 - PTC153G35VXXXAA
M16 - PTC153G50AXXXAA
M17 - PTC153G50CXXXAA
M18 - PTC153G50DXXXAA
M19 - PTC153G50RXXXAA
M20 - PTC153G50VXXXAA

Coil / Compressor / Tubing Assembly



Coil / Compressor / Tubing Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

21	0130M00066	SWITCH, HIGH PRESS
31	0202P00067	EVAP ASSY, 3/8, 2 ROW
51	0201P00094	5MM CONDENSER COIL ASSY (M1, M3, M4, M5, M6, M8, M9, M11, M12, M13, M14, M15, M16, M18, M19, M20)
51	0202P00072DG	CONDENSER ASSY PNT (M2, M7, M10, M17)
71	50A362Q	COMPRESSOR, RECHI
81	A3448602	COMPRESSOR GROMMET (QTY 3)
91	M0253610	SHOULDER SCREW (QTY 3)
111	60343546	OVERLOAD PROTECTOR
201	0210P00203	CAPILLARY WELDMENT
311	20295709	THERMISTOR-HEAT PUMP (M3, M8, M11, M14, M19)
321	0130P00073	THERMISTOR
331	20295707	THERMISTOR-INDOOR COIL
NS	60500101	OLP SPRING - RECHI COMPRESSOR
NS	BT1392310	PLASTIC CLAMP, .1875 DIA
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 - PTC153G00AXXXAA
 M2 - PTC153G00CXXXAA
 M3 - PTC153G00HRXXAA
 M4 - PTC153G00HVXXAA
 M5 - PTC153G00HXXXAA
 M6 - PTC153G25AXXXAA
 M7 - PTC153G25CXXXAA
 M8 - PTC153G25RXXXAA
 M9 - PTC153G35AXXXAA
 M10 - PTC153G35CXXXAA
 M11 - PTC153G35QRXXAA
 M12 - PTC153G35QXXXAA
 M13 - PTC153G35RVXXAA
 M14 - PTC153G35RXXXAA
 M15 - PTC153G35VXXXAA
 M16 - PTC153G50AXXXAA
 M17 - PTC153G50CXXXAA
 M18 - PTC153G50DXXXAA
 M19 - PTC153G50RXXXAA
 M20 - PTC153G50VXXXAA