

PMH123G Package Terminal Heat Pump

PMH123G25AXXXCA
PMH123G25ERXXCA
PMH123G25EXXXCA
PMH123G35AXXXCA
PMH123G35CXXXCA
PMH123G35ERXXCA
PMH123G35EXXXCA
PMH123G50AXXXCA
PMH123G50ERXXCA
PMH123G50EXXXCA



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This manual is to be used by qualified technicians only.

This manual replaces RP-A5014F.

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Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 15

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:

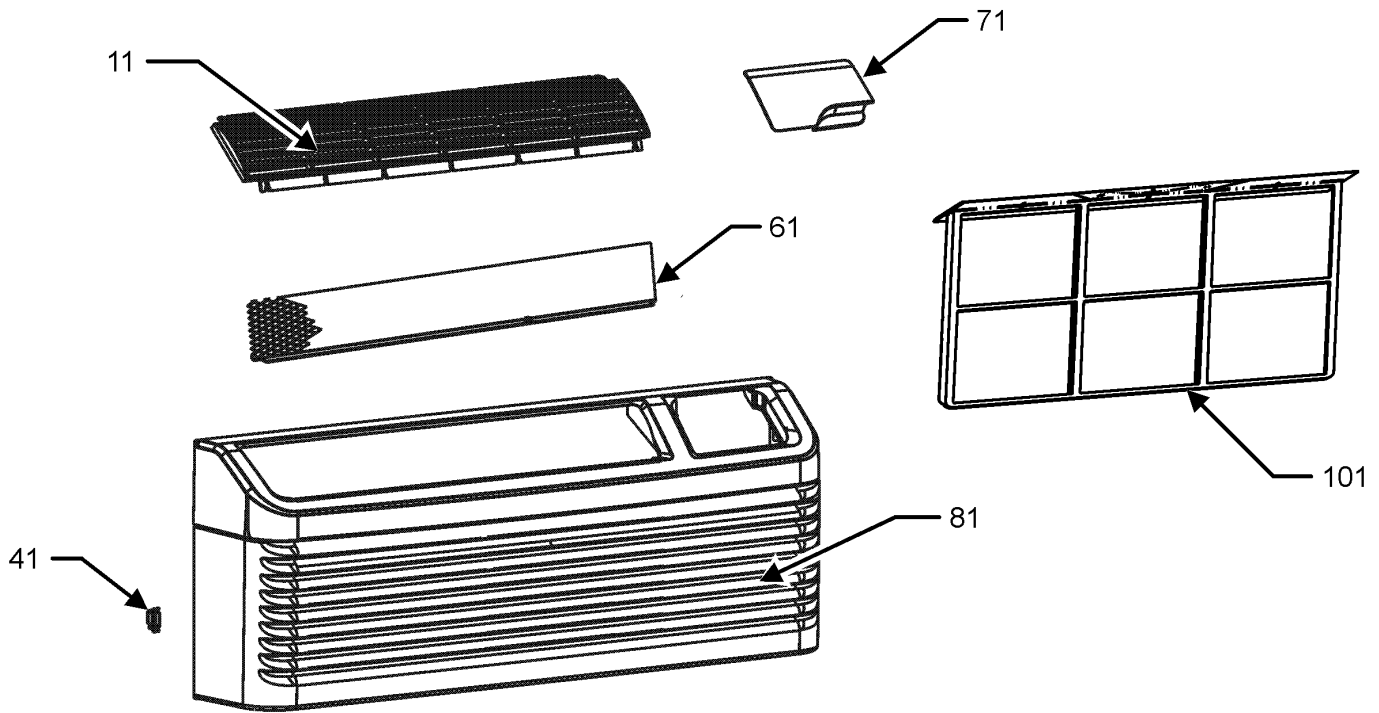
20406303	BASE PAN VALVE
CAP065000440RP	CAPACITOR
CAP020000440RP	CAPACITOR 2/440V
CAP030300450CS	CAPACITOR, 500V
BSA357CN	COMPRESSOR, HITACHI 1 HP
44A282A	COMPRESSOR, RECHI
RSKP0012	CONTROL BOARD M70
RSKP0015	CONTROL PANEL COVER AND MEMBRANE
0130P00112	CORD,250VAC,15A (LCD) (M1, M2, M3)
0130P00115	CORD,250VAC,20A (LCD) (M4, M5, M6, M7)
0130P00118	CORD,250VAC,30A (LCD) (M8, M9, M10)
0130M00178	DPDT RELAY 24VAC
0130M00178	DPDT RELAY 24VAC
0130M00178	DPDT RELAY 24VAC (QTY 2)
0131P00035	FAN MOTOR, INDOOR (M1, M2, M3, M4, M5, M6, M7)
0131P00031	FAN MOTOR, OUTDOOR
0161P00055	FAN, CONDENSER
0275P00039	HEATER ASSY (M8, M9, M10)
0275P00019	HEATER ASSY (M1, M2, M3)
0275P00038	HEATER ASSY (M4, M5, M6, M7)
0130P00133	HUMIDITY SENSOR
11149201	MUFFIN FAN
60343503	OVERLOAD PROTECTOR
0130P00136	OVERLOAD PROTECTOR
PCBCP140	PCB, CONTROL, D70
0151P00000	REVERSING VALVE ASSY-230V
0130P00022	REVERSING VALVE COIL
0130M00169	SWITCH, HIGH PRESS
802007090	TERMINAL BOARD
0130P00132	THERMISTOR
0130P00074	THERMISTOR
0130P00130	THERMISTOR
0130P00134	THERMISTOR - DISCHARGE
0130P00077	THERMISTOR - INDOOR (M2, M6, M9)
0130P00086	THERMISTOR - INDOOR COIL
0130P00098	THERMISTOR - OUTDOOR AMBIENT
0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (QTY 2)
0150P00004	WHEEL, BLOWER

Expanded Model Nomenclature

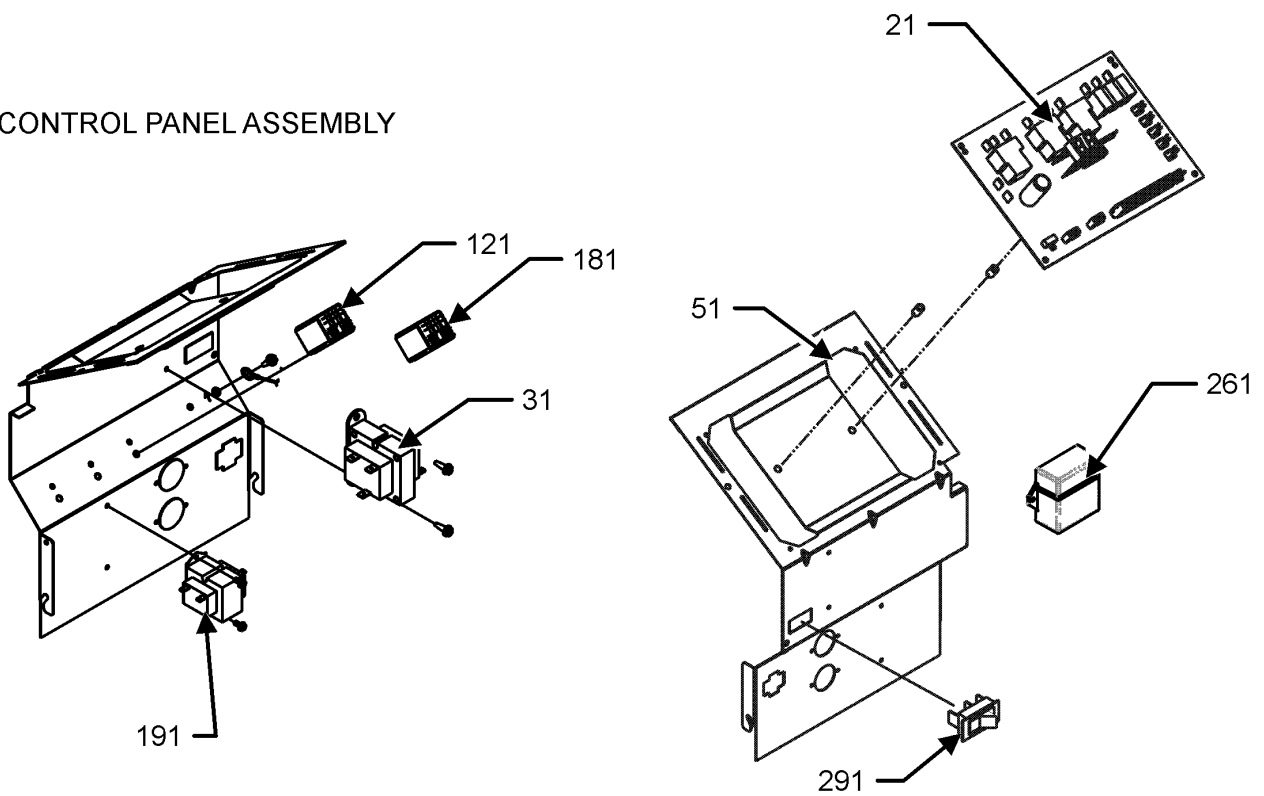
M1 - PMH123G25AXXXCA
M2 - PMH123G25ERXXCA
M3 - PMH123G25EXXXCA
M4 - PMH123G35AXXXCA
M5 - PMH123G35CXXXCA
M6 - PMH123G35ERXXCA
M7 - PMH123G35EXXXCA
M8 - PMH123G50AXXXCA
M9 - PMH123G50ERXXCA
M10 - PMH123G50EXXXCA

Control Panel and Front Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY



Control Panel and Front Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

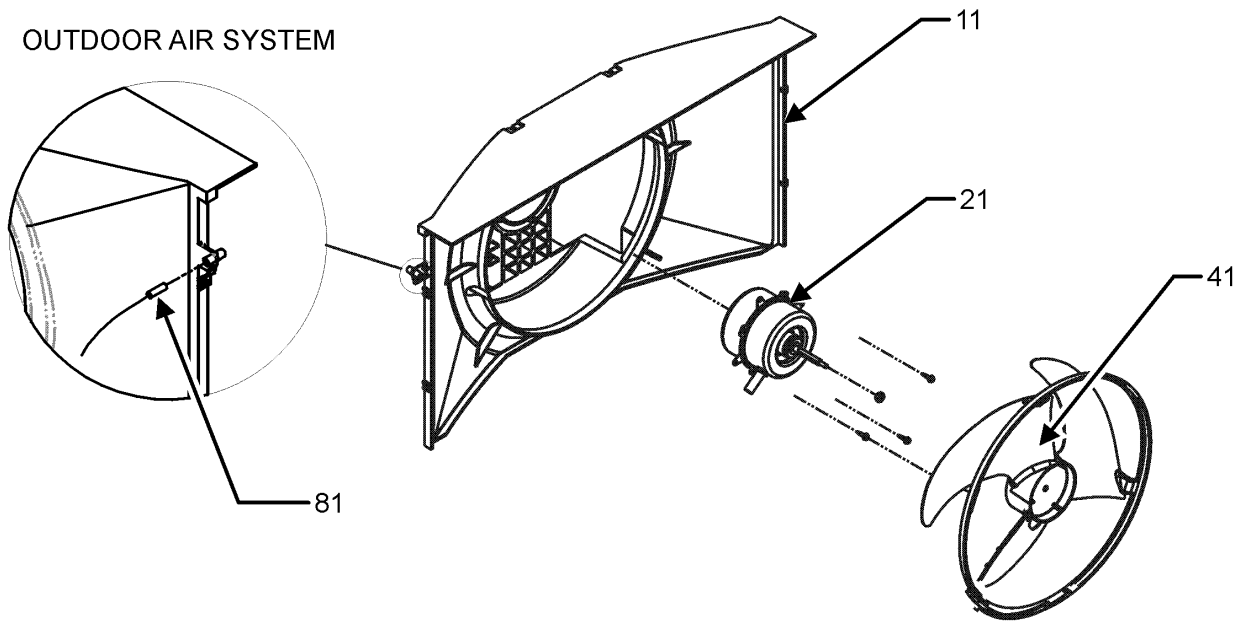
11	0161P00048	FRONT, LOUVERS DISCHARGE
21	RSKP0012	CONTROL BOARD M70
31	0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA
41	0163P00025	CLIP (QTY 2)
51	0121P00130	PANEL, CONTROL
61	0121P00194BL	SCREEN, DISCHARGE, PAINTED
71	0261P00003	DOOR ASSY -AMANA-
81	0261P00011	FRONT ASSY
101	0161P00035	FILTER, RACK (QTY 2)
121	0130M00178	DPDT RELAY 24VAC
181	0130M00178	DPDT RELAY 24VAC
191	0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA
261	0130P00104	ANTENNA (DIGITENNA) (M2, M6, M9)
291	B1337701	PADDLE SWITCH
NS	PCBCP140	PCB, CONTROL, D70

Expanded Model Nomenclature

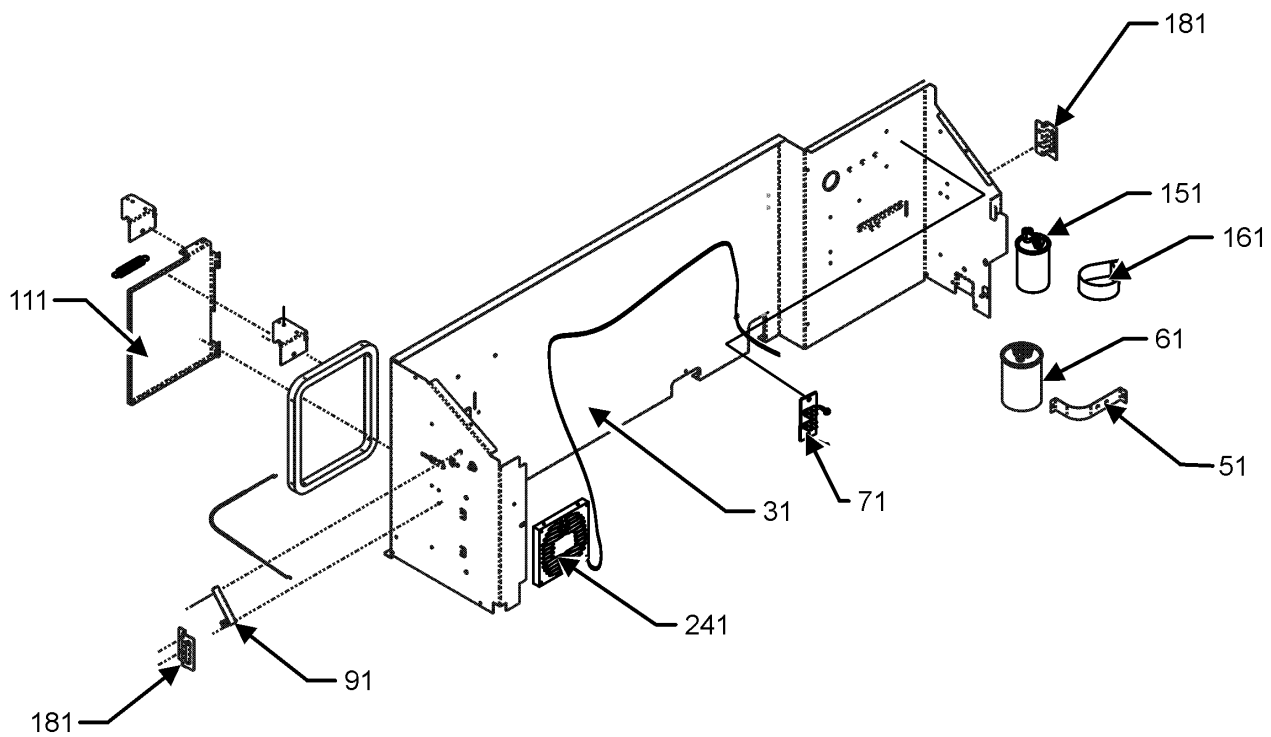
M1 - PMH123G25AXXXCA
M2 - PMH123G25ERXXCA
M3 - PMH123G25EXXXCA
M4 - PMH123G35AXXXCA
M5 - PMH123G35CXXXCA
M6 - PMH123G35ERXXCA
M7 - PMH123G35EXXXCA
M8 - PMH123G50AXXXCA
M9 - PMH123G50ERXXCA
M10 - PMH123G50EXXXCA

Outdoor Air System and Partition Panel

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY



Outdoor Air System and Partition Panel

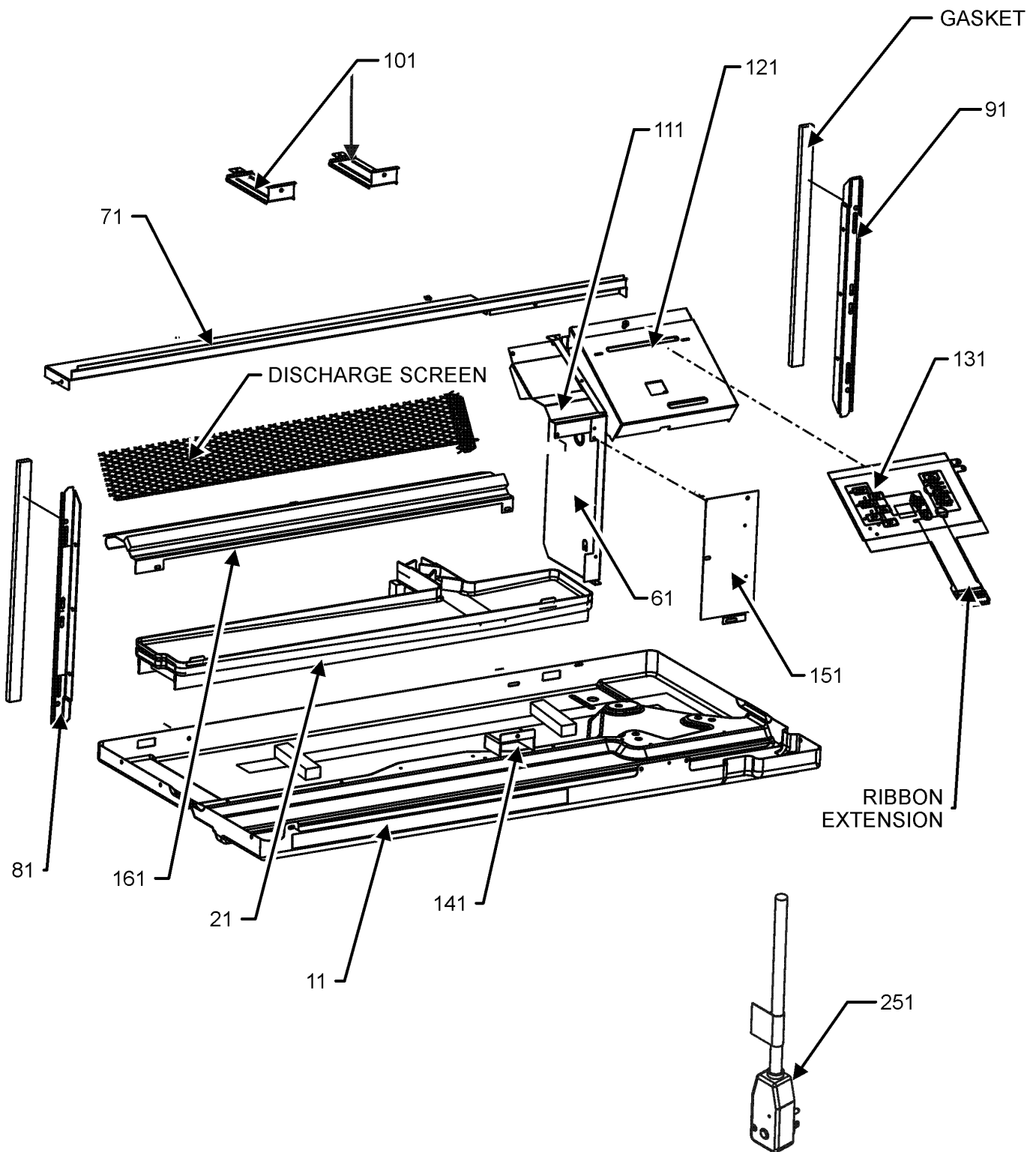
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00053		SHROUD, CONDENSER
21	0131P00031		FAN MOTOR, OUTDOOR
31	0121P00108NG		PANEL-PARTITION
41	0161P00055		FAN, CONDENSER
51	C6300502		CAPACITOR STRAP
61	CAP020000440RP		CAPACITOR 2/440V
71	802007090		TERMINAL BOARD
81	0130P00098		THERMISTOR - OUTDOOR AMBIENT
111	0121P00208DG		VENT DOOR-DIGI AIR
151	CAP030300450CS		CAPACITOR, 500V
161	0163P00029		CAPACITOR CLAMP
181	11191703		PARTITION PANEL BRACKET (QTY 2)
241	0131P00044		HEATER, FAN, AXIAL, 250W (M2, M3, M6, M7, M9, M10)

Expanded Model Nomenclature

M1 - PMH123G25AXXXCA
 M2 - PMH123G25ERXXCA
 M3 - PMH123G25EXXXCA
 M4 - PMH123G35AXXXCA
 M5 - PMH123G35CXXCA
 M6 - PMH123G35ERXXCA
 M7 - PMH123G35EXXXCA
 M8 - PMH123G50AXXXCA
 M9 - PMH123G50ERXXCA
 M10 - PMH123G50EXXXCA

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

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

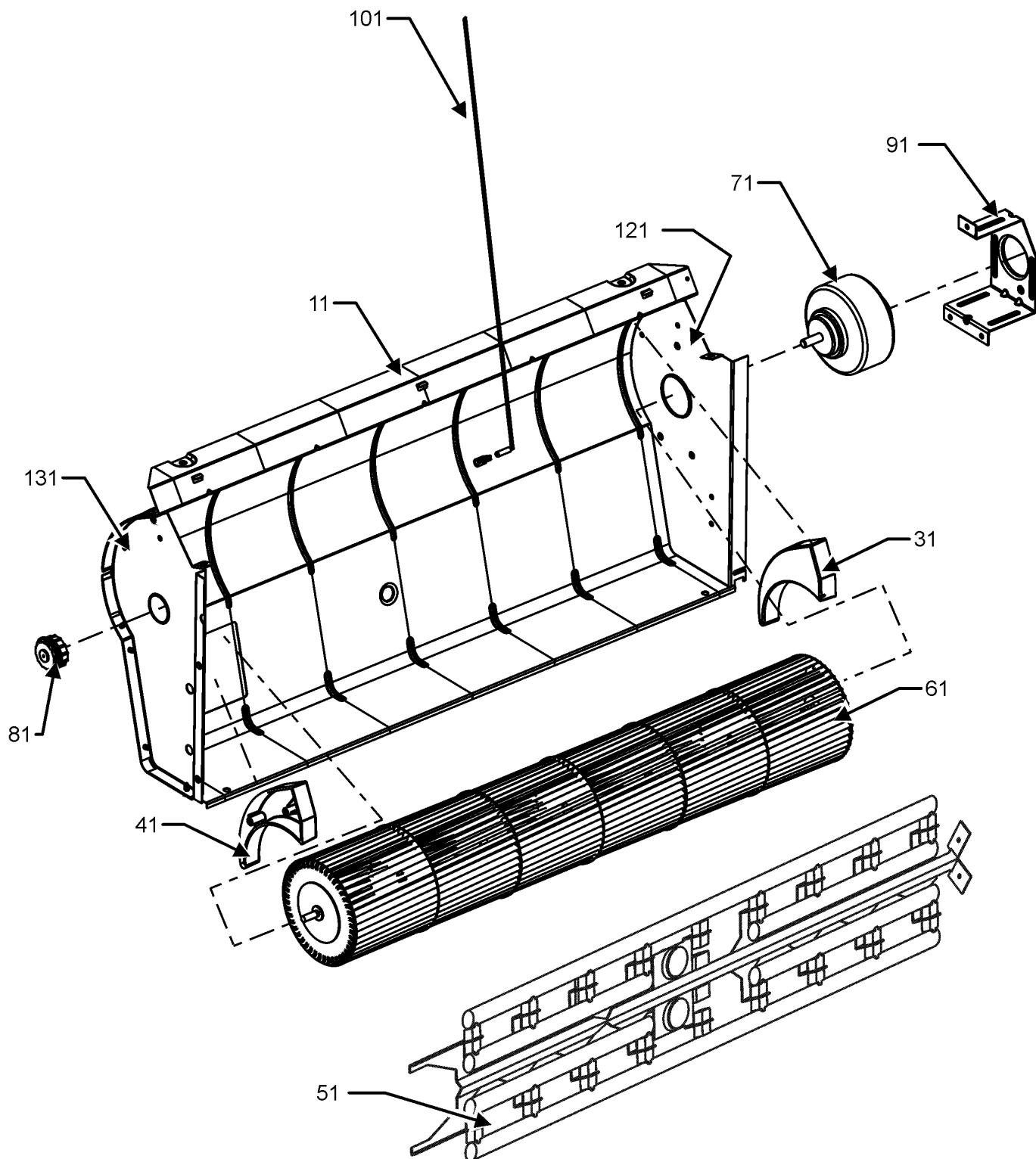
11	0121P00175DG	BASEPAN (M1, M2, M3, M4, M6, M7, M8, M9, M10)
11	0121P00175NG	BASEPAN (M5)
21	0161P00044	PLASTIC-DRAIN PAN
61	20403301	MID PARTITION PANEL
71	0121P00063NG	TOP, PARTITION PANEL
81	0121P00197	SEAL-L SIDE PTC
91	0121P00198	SEAL-R SIDE PTC
101	0121P00071NG	BRACE, TIE (QTY 2)
111	0121P00070DG	COVER, MOTOR
121	0121P00129	COVER-CONTROL PANEL
131	RSKP0015	CONTROL PANEL COVER AND MEMBRANE
141	0161P00016	PLASTIC-HOOD
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
251	0130P00112	CORD,250VAC,15A (LCD) (M1, M2, M3)
251	0130P00115	CORD,250VAC,20A (LCD) (M4, M5, M6, M7)
251	0130P00118	CORD,250VAC,30A (LCD) (M8, M9, M10)
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PMH123G25AXXXCA
 M2 - PMH123G25ERXXCA
 M3 - PMH123G25EXXXCA
 M4 - PMH123G35AXXXCA
 M5 - PMH123G35CXXXCA
 M6 - PMH123G35ERXXCA
 M7 - PMH123G35EXXXCA
 M8 - PMH123G50AXXXCA
 M9 - PMH123G50ERXXCA
 M10 - PMH123G50EXXXCA

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

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

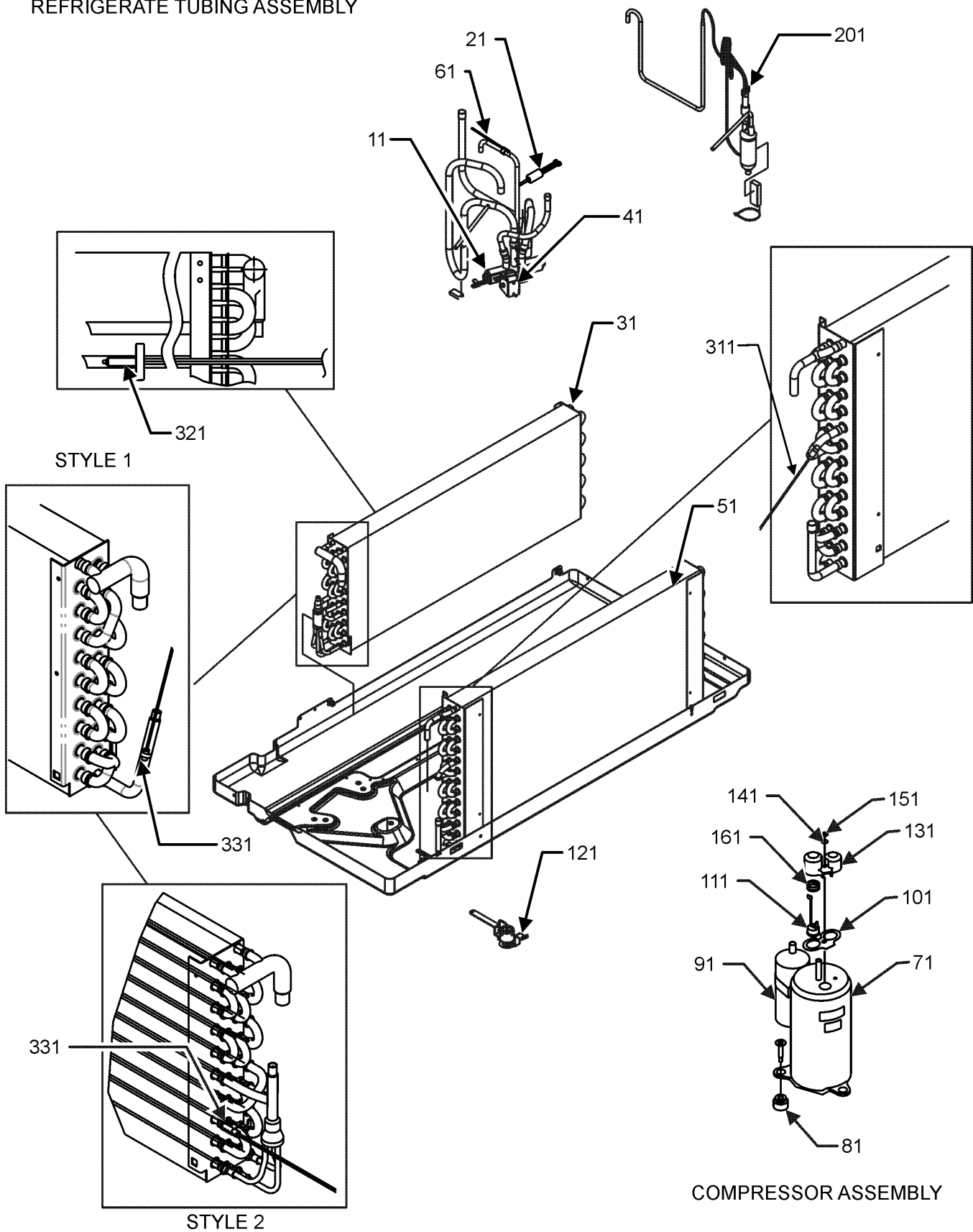
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M1, M2, M3)
51	0275P00038	HEATER ASSY (M4, M5, M6, M7)
51	0275P00039	HEATER ASSY (M8, M9, M10)
61	0150P00004	WHEEL, BLOWER
71	0131P00035	FAN MOTOR, INDOOR (M1, M2, M3, M4, M5, M6, M7)
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR - DISCHARGE
121	0121P00059DG	ENDPLATE-RH SCROLL
131	0121P00088DG	ENDPLATE- LH SCROLL

Expanded Model Nomenclature

M1 - PMH123G25AXXXCA
 M2 - PMH123G25ERXXCA
 M3 - PMH123G25EXXXCA
 M4 - PMH123G35AXXXCA
 M5 - PMH123G35CXXCA
 M6 - PMH123G35ERXXCA
 M7 - PMH123G35EXXXCA
 M8 - PMH123G50AXXXCA
 M9 - PMH123G50ERXXCA
 M10 - PMH123G50EXXXCA

Refrigerate Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



Refrigerate Tubing Assembly

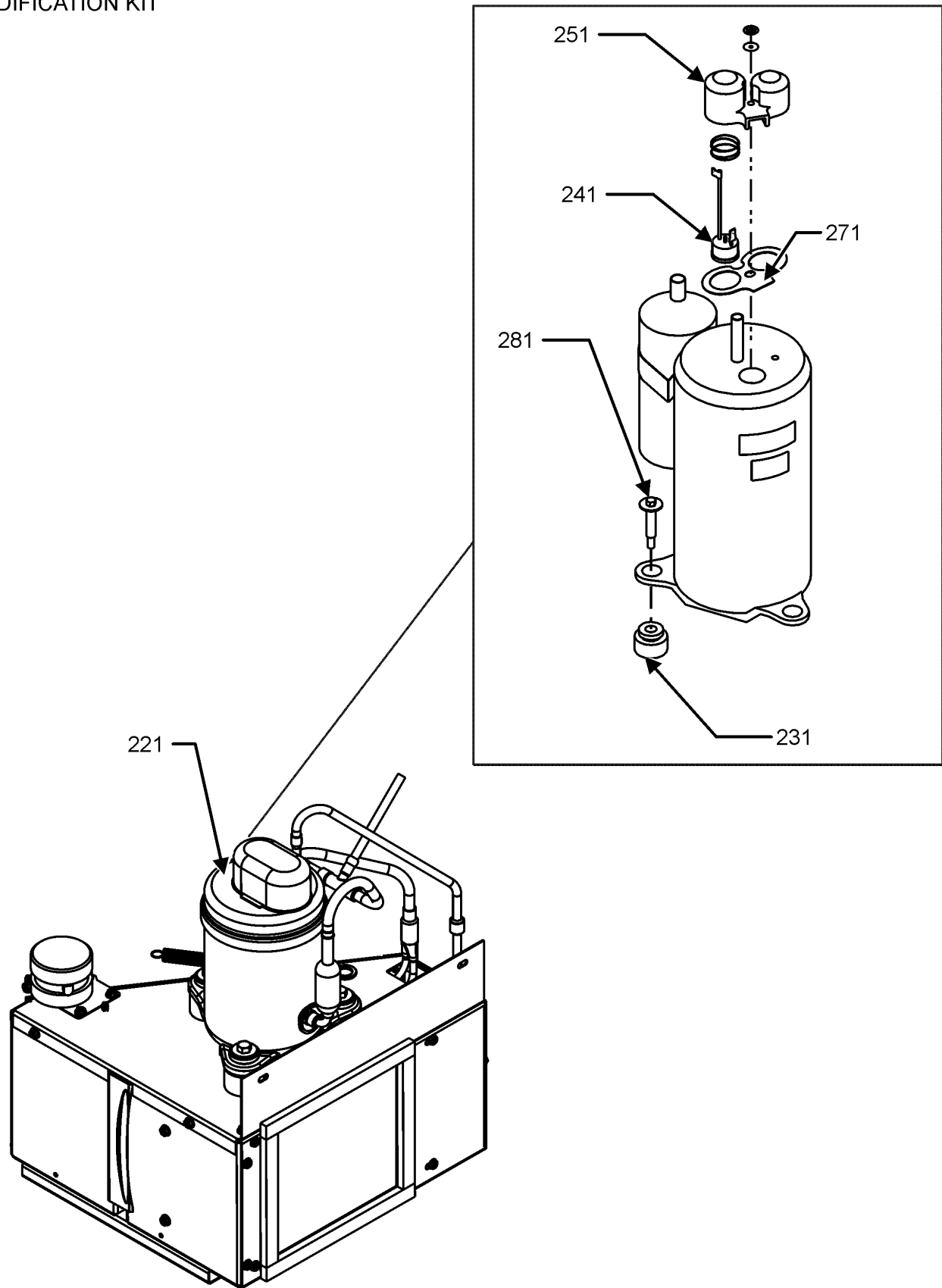
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0151P00000		REVERSING VALVE ASSY-230V
21	0130M00169		SWITCH, HIGH PRESS
31	0202P00065		EVAP ASSY, 5/16, 3 ROW
41	0130P00022		REVERSING VALVE COIL
51	0201P00104NG		7MM CONDENSER ASSEMBLY PAINTED (M5)
51	0201P00098		7MM CONDENSER COIL ASSY (M1, M2, M3, M4, M6, M7, M8, M9, M10)
61	0130P00077		THERMISTOR - INDOOR (M2, M6, M9)
71	44A282A		COMPRESSOR, RECHI
81	60130203		GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163M00079		SHOULDER SCREW (QTY 3)
101	60100103		TERMINAL GASKET
111	60343503		OVERLOAD PROTECTOR
121	20406303		BASE PAN VALVE
131	60100314		TERMINAL COVER - RECHI COMP
141	60100201		WASHER - RECHI COMPRESSOR
151	60100401		TERMINAL NUT - RECHI COMP
161	60500101		OLP SPRING - RECHI COMPRESSOR
201	0210P00255		CAPILLARY WELDMENT
311	0130P00130		THERMISTOR
321	0130P00074		THERMISTOR
331	0130P00086		THERMISTOR - INDOOR COIL
NS	BT1392310		PLASTIC CLAMP, .1875 DIA (M2, M3, M6, M7, M9, M10)

Expanded Model Nomenclature

M1 - PMH123G25AXXXCA
M2 - PMH123G25ERXXCA
M3 - PMH123G25EXXXCA
M4 - PMH123G35AXXXCA
M5 - PMH123G35CXXXCA
M6 - PMH123G35ERXXCA
M7 - PMH123G35EXXXCA
M8 - PMH123G50AXXXCA
M9 - PMH123G50ERXXCA
M10 - PMH123G50EXXXCA

Dehumidification Kit

DEHUMIDIFICATION KIT



Dehumidification Kit

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

221	BSA357CN	COMPRESSOR, HITACHI 1 HP
231	0163M00272	COMPRESSOR GROMMET (QTY 3)
241	0130P00136	OVERLOAD PROTECTOR
251	0163P00034	TERMINAL COVER
271	0163P00036	TERMINAL GASKET
281	0163M00079	SHOULDER SCREW (QTY 3)
NS	0201P00104	5MM CONDENSER COIL ASSY
NS	0202P00082	5MM EVAPORATOR COIL ASSY
NS	CAP065000440RP	CAPACITOR
NS	B821700	CAPACITOR BOOT
NS	0161P00052SW	FILTER RACK
NS	0130P00133	HUMIDITY SENSOR
NS	11149201	MUFFIN FAN
NS	0130P00132	THERMISTOR
NS	0259P00015	WIRE HARNESS (M1, M4, M5, M8)
NS	0259P00016	WIRE HARNESS (M2, M3, M6, M7, M9, M10)

Expanded Model Nomenclature

M1 - PMH123G25AXXXCA
M2 - PMH123G25ERXXCA
M3 - PMH123G25EXXXCA
M4 - PMH123G35AXXXCA
M5 - PMH123G35CXXCA
M6 - PMH123G35ERXXCA
M7 - PMH123G35EXXXCA
M8 - PMH123G50AXXXCA
M9 - PMH123G50ERXXCA
M10 - PMH123G50EXXXCA