

PMC073G Package Terminal Air Conditioner

PMC073G25AXXXDA
PMC073G25AXXXEA
PMC073G25ERXXDA
PMC073G25ERXXEA
PMC073G25EXXXDA
PMC073G25EXXXEA
PMC073G35AXXXDA
PMC073G35AXXXEA
PMC073G35CXXXDA
PMC073G35CXXXEA
PMC073G35ERXXDA
PMC073G35ERXXEA
PMC073G35EXXXDA
PMC073G35EXXXEA



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This manual is to be used by qualified technicians only.

This manual replaces RP-A5072.

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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:

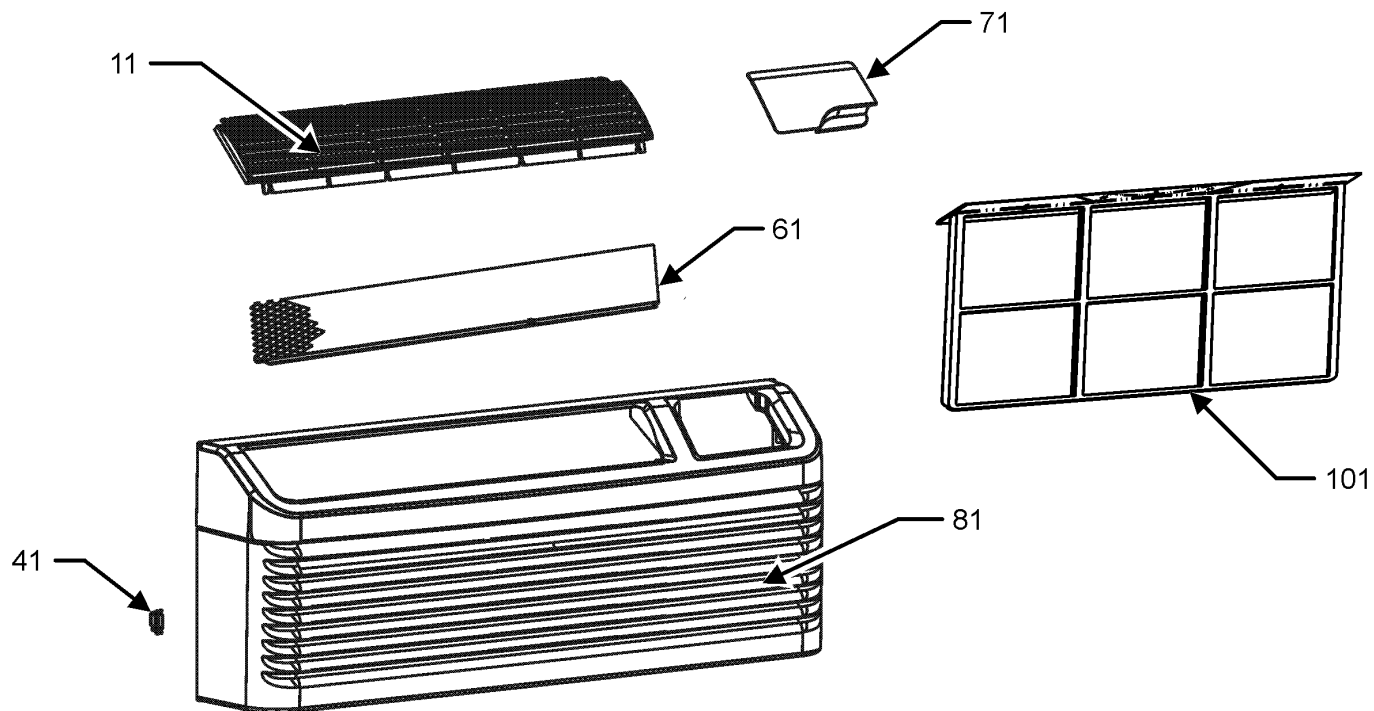
20406303	BASE PAN VALVE
CAP020150450CS	CAP, 2/15 MFD/450V/DUAL RD
CAP065000440RP	CAPACITOR
CAP065000440RP	CAPACITOR
BSA357CN	COMPRESSOR, HITACHI 1 HP
39B142GD&9BKZ	COMPRESSOR, RECHI
RSKP0012	CONTROL BOARD M70
RSKP0015	CONTROL PANEL COVER AND MEMBRANE
0130P00112	CORD,250VAC,15A (LCD) (M1, M2, M3, M4, M5, M6)
0130P00115	CORD,250VAC,20A (LCD) (M7, M8, M9, M10, M11, M12, M13, M14)
0130M00178	DPDT RELAY 24VAC
0131P00029	FAN MOTOR, INDOOR
0131P00033	FAN MOTOR, OUTDOOR
0161P00055	FAN, CONDENSER
0275P00038	HEATER ASSY (M7, M8, M9, M10, M11, M12, M13, M14)
0275P00019	HEATER ASSY (M1, M2, M3, M4, M5, M6)
0130P00133	HUMIDITY SENSOR
PCBEP104	INDOOR DC CONTROL BOARD (M2, M4, M6, M8, M10, M12, M14)
11149201	MUFFIN FAN
0130P00136	OVERLOAD PROTECTOR
PCBCP147	PCB, CONTROL, D70
0130M00096	RELAY (M4, M6, M12, M14)
0130M00169	SWITCH, HIGH PRESS
802007090	TERMINAL BOARD
0130P00077	THERMISTOR
0130P00094	THERMISTOR
0130P00141	THERMISTOR
0130P00132	THERMISTOR
0130P00132	THERMISTOR
0130P00134	THERMISTOR - DISCHARGE
0130P00084	THERMISTOR - INDOOR COIL
0130P00098	THERMISTOR - OUTDOOR AMBIENT
0130P00145	THERMISTOR .250 CLIP, GRAY
0130M00599	TRANS, 40VA, 240V/208V TO 24V (QTY 2)
PCBEP100	VARIABLE SPEED TERMINAL BOARD (M1, M3, M5, M7, M9, M11, M13)
0150P00005	WHEEL, BLOWER

Expanded Model Nomenclature

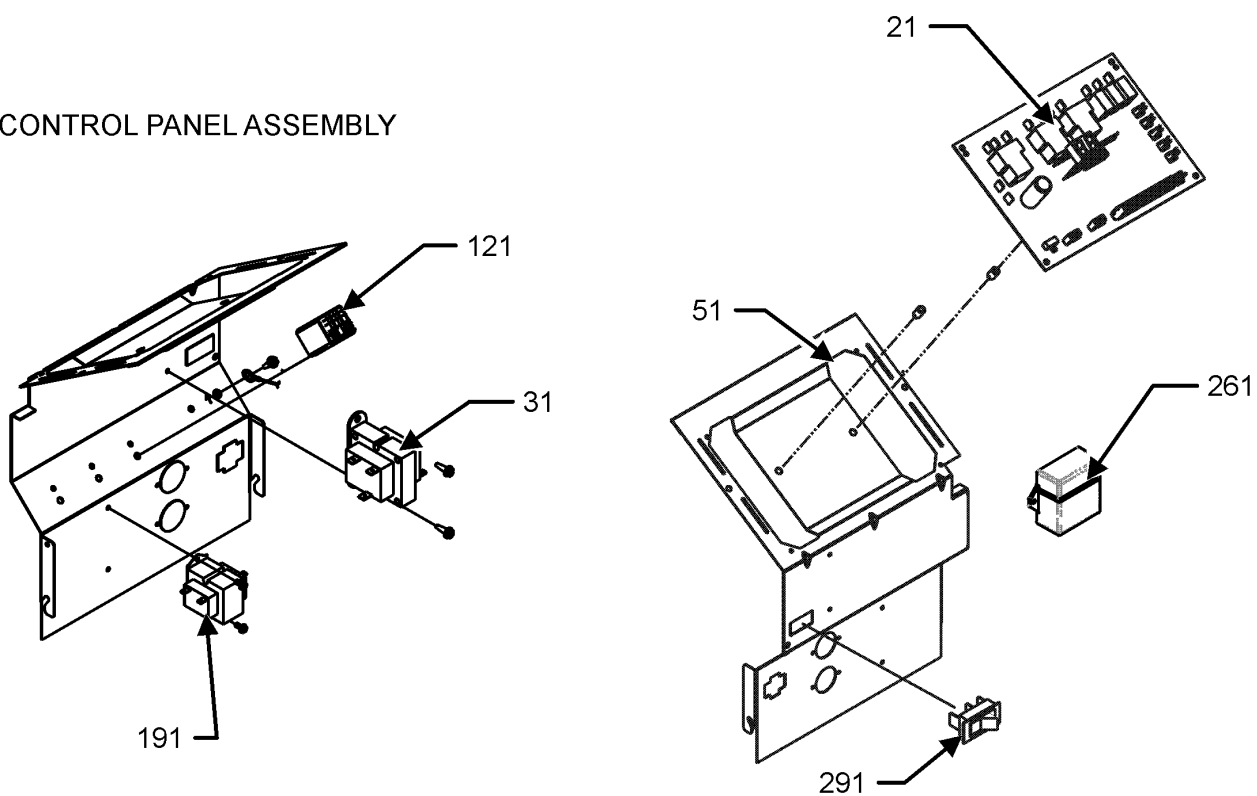
M1 - PMC073G25AXXXDA
M2 - PMC073G25AXXXEA
M3 - PMC073G25ERXXDA
M4 - PMC073G25ERXXEA
M5 - PMC073G25EXXXDA
M6 - PMC073G25EXXXEA
M7 - PMC073G35AXXXDA
M8 - PMC073G35AXXXEA
M9 - PMC073G35CXXDA
M10 - PMC073G35CXXEA
M11 - PMC073G35ERXXDA
M12 - PMC073G35ERXXEA
M13 - PMC073G35EXXXDA
M14 - PMC073G35EXXXEA

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:
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Image 1:

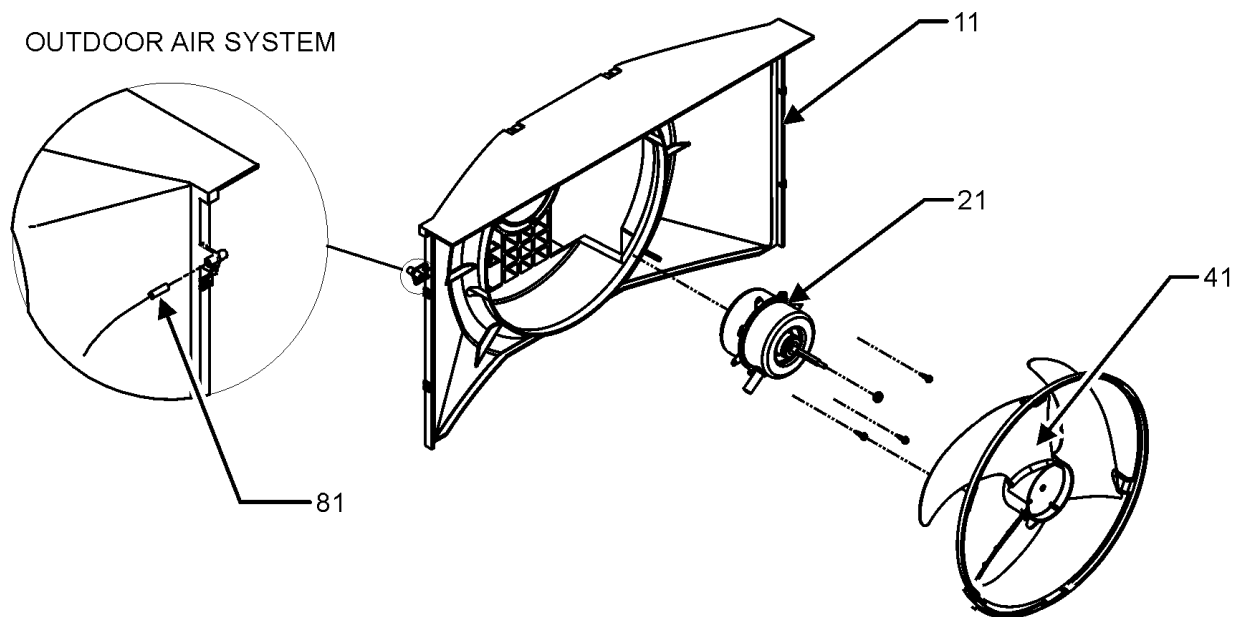
11	0161P00048	FRONT, LOUVERS DISCHARGE
21	RSKP0012	CONTROL BOARD M70
31	0130M00599	TRANS, 40VA, 240V/208V TO 24V
41	0163P00025	CLIP (QTY 2)
51	0121P00130	PANEL, CONTROL
61	0121P00194BL	SCREEN, DISCHARGE, PAINTED
71	0261P00003	DOOR ASSY -AMANA-
81	0261P00011	FRONT ASSY
101	0161P00035	FILTER, RACK (QTY 2)
121	0130M00178	DPDT RELAY 24VAC
191	0130M00599	TRANS, 40VA, 240V/208V TO 24V
261	0130P00104	ANTENNA
291	B1337701	PADDLE SWITCH (M1, M3, M5, M7, M9, M11, M13)
NS	PCBCP147	PCB, CONTROL, D70
NS	0130M00096	RELAY (M4, M6, M12, M14)

Expanded Model Nomenclature

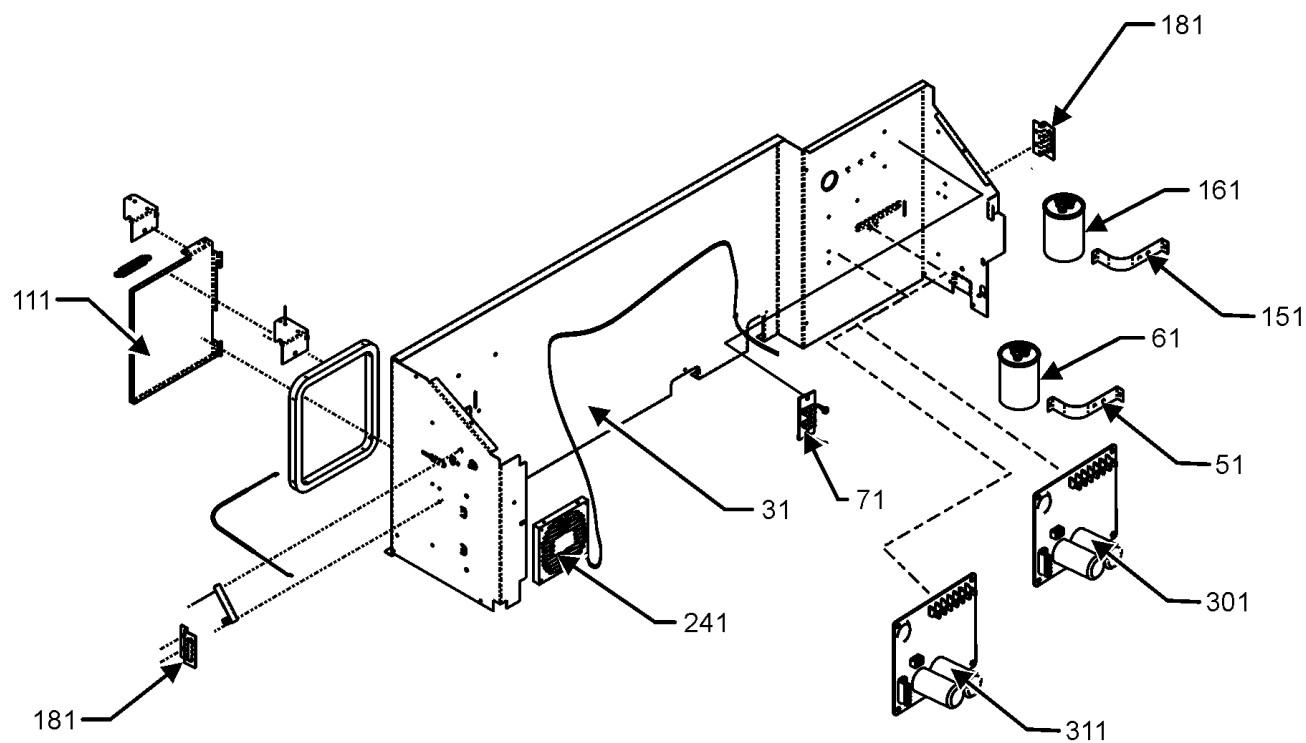
M1 - PMC073G25A XXXDA
 M2 - PMC073G25A XXXEA
 M3 - PMC073G25ERXXDA
 M4 - PMC073G25ERXXEA
 M5 - PMC073G25EXXXDA
 M6 - PMC073G25EXXXEA
 M7 - PMC073G35A XXXDA
 M8 - PMC073G35A XXXEA
 M9 - PMC073G35CXXXDA
 M10 - PMC073G35CXXXEA
 M11 - PMC073G35ERXXDA
 M12 - PMC073G35ERXXEA
 M13 - PMC073G35EXXXDA
 M14 - PMC073G35EXXXEA

Outdoor Air System and Partition Assy

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY



Outdoor Air System and Partition Assy

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

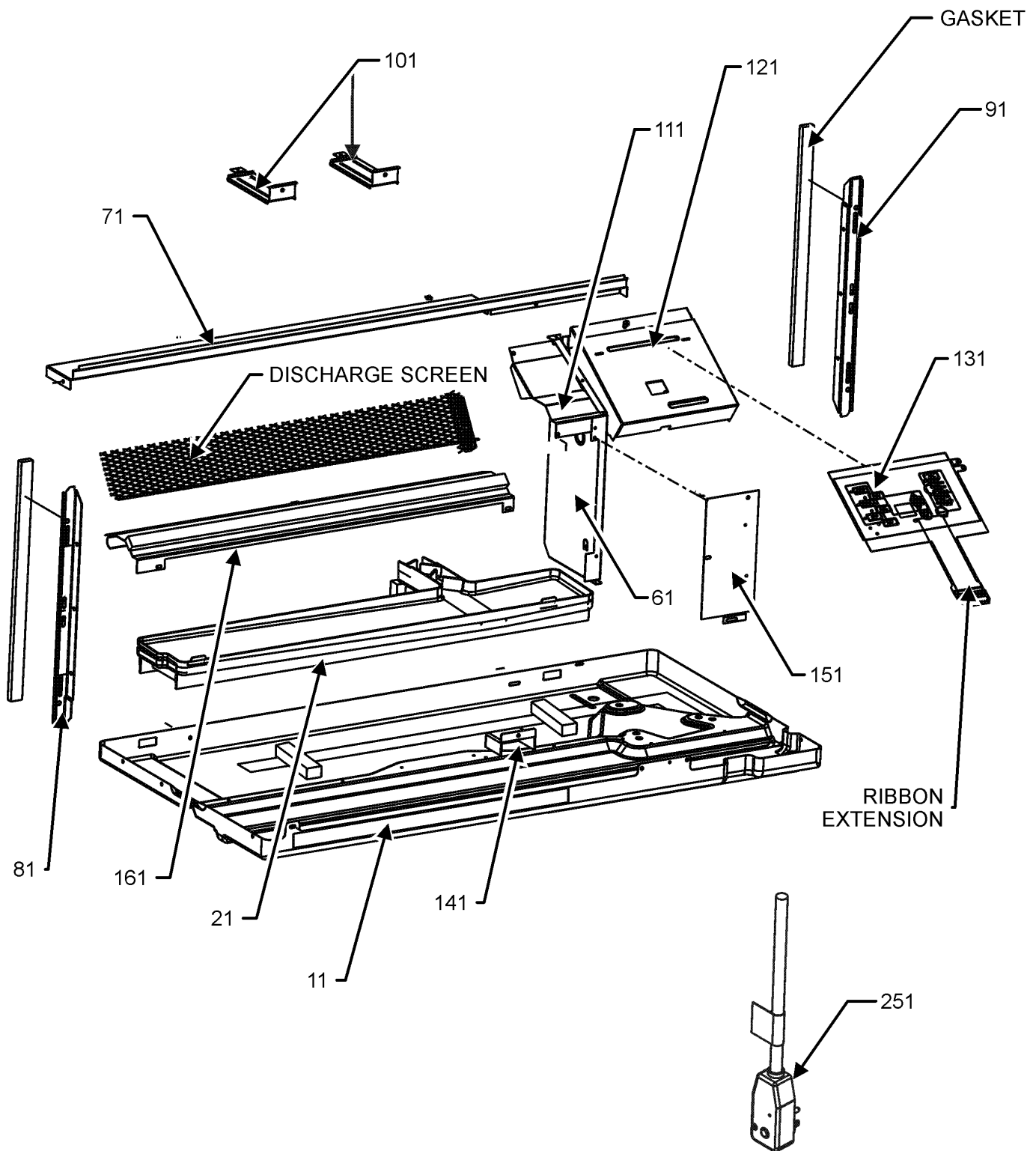
11	0161P00053	SHROUD, CONDENSER
21	0131P00033	FAN MOTOR, OUTDOOR
31	0121P00108NG	PANEL-PARTITION
41	0161P00055	FAN, CONDENSER
51	C6300502	CAPACITOR STRAP
61	CAP020150450C S	CAP, 2/15 MFD/450V/DUAL RD
71	802007090	TERMINAL BOARD
81	0130P00098	THERMISTOR - OUTDOOR AMBIENT
111	0121P00208DG	VENT DOOR
181	11191703	PARTITION PANEL BRACKET
241	0131P00044	HEATER, FAN, AXIAL, 250W
301	PCBEP100	VARIABLE SPEED TERMINAL BOARD (M1, M3, M5, M7, M9, M11, M13)
311	PCBEP104	INDOOR DC CONTROL BOARD (M2, M4, M6, M8, M10, M12, M14)
NS	CAP065000440R P	CAPACITOR
NS	0163P00029	CAPACITOR CLAMP

Expanded Model Nomenclature

M1 - PMC073G25A XXXDA
M2 - PMC073G25A XXXEA
M3 - PMC073G25ERXXDA
M4 - PMC073G25ERXXEA
M5 - PMC073G25EXXXDA
M6 - PMC073G25EXXXEA
M7 - PMC073G35A XXXDA
M8 - PMC073G35A XXXEA
M9 - PMC073G35CXXXDA
M10 - PMC073G35CXXXEA
M11 - PMC073G35ERXXDA
M12 - PMC073G35ERXXEA
M13 - PMC073G35EXXXDA
M14 - PMC073G35EXXXEA

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

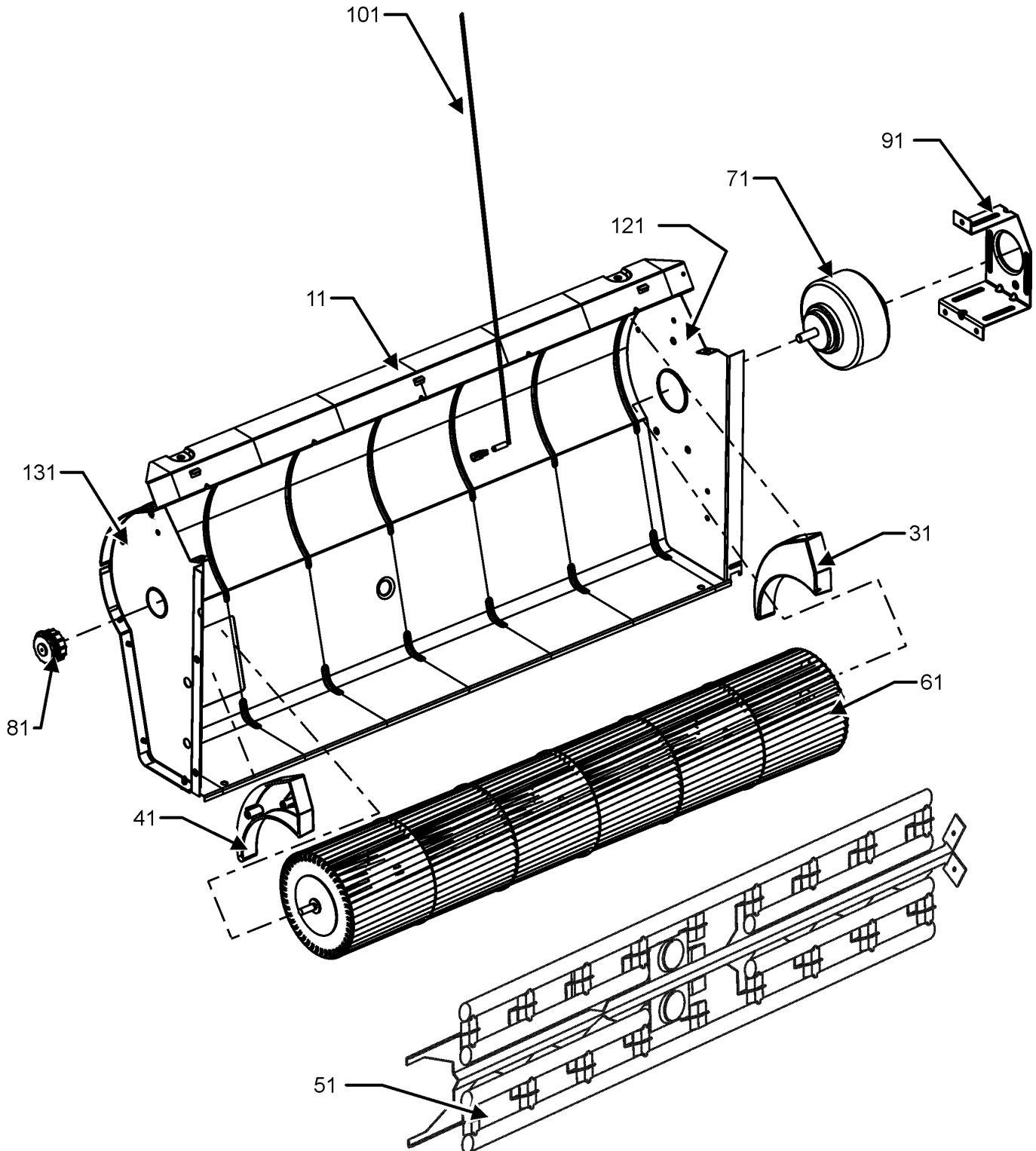
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00175DG		BASEPAN
11	0121P00175NG		BASEPAN
21	0161P00044		PLASTIC-DRAIN PAN
61	20403301		MID PARTITION PANEL
71	0121P00063NG		TOP, PARTITION PANEL
81	0121P00197		SEAL-L SIDE PTC
91	0121P00198		SEAL-R SIDE PTC
101	0121P00071NG		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, M4, M5, M6)
251	0130P00115		CORD,250VAC, 20A (LCD) (M7, M8, M9, M10, M11, M12, M13, M14)
NS	0130P00109		MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - PMC073G25A XXXDA
 M2 - PMC073G25A XXXEA
 M3 - PMC073G25ERXXDA
 M4 - PMC073G25ERXXEA
 M5 - PMC073G25EXXXDA
 M6 - PMC073G25EXXXEA
 M7 - PMC073G35A XXXDA
 M8 - PMC073G35A XXXEA
 M9 - PMC073G35CXXXDA
 M10 - PMC073G35CXXXEA
 M11 - PMC073G35ERXXDA
 M12 - PMC073G35ERXXEA
 M13 - PMC073G35EXXXDA
 M14 - PMC073G35EXXXEA

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:

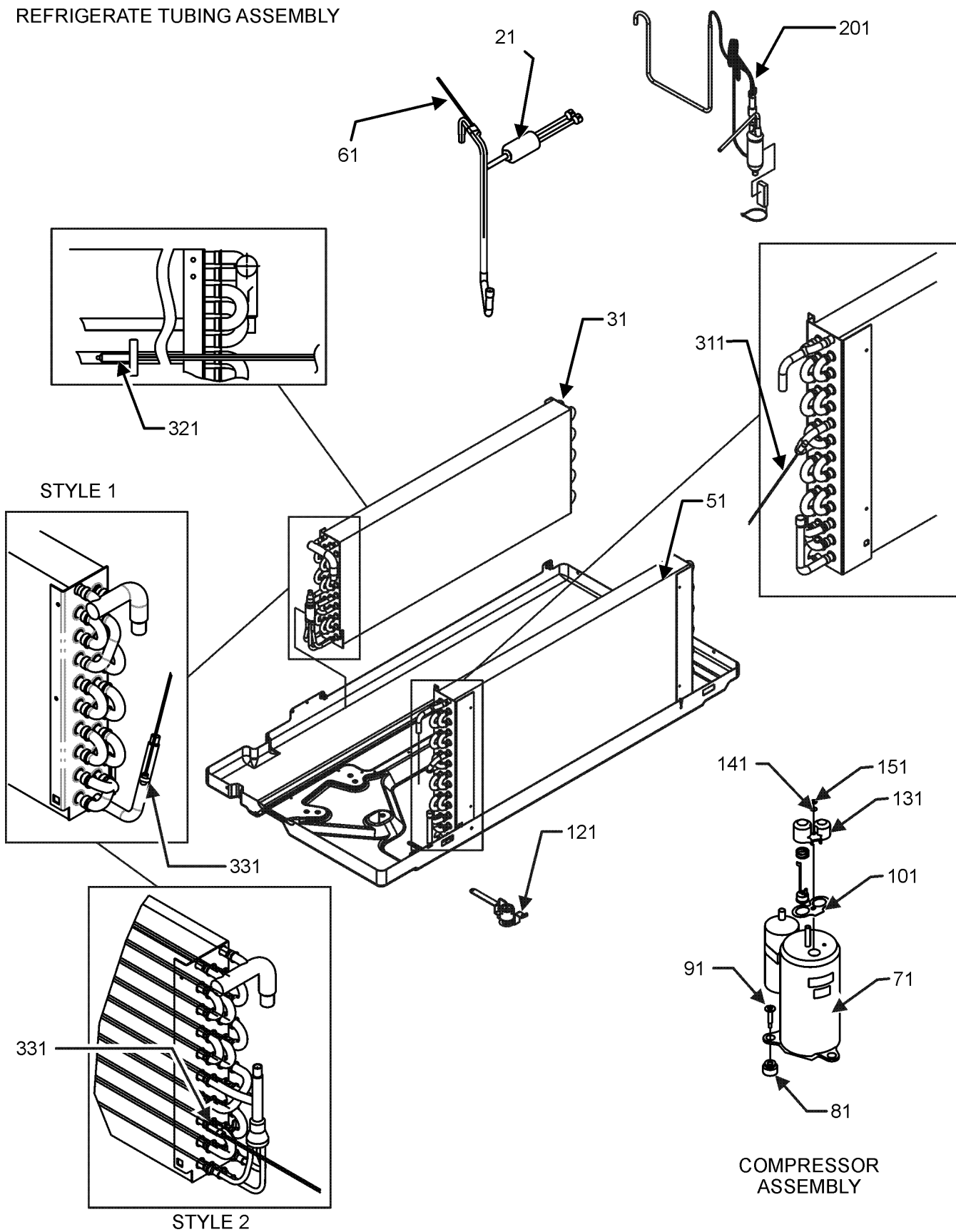
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M1, M2, M3, M4, M5, M6)
51	0275P00038	HEATER ASSY (M7, M8, M9, M10, M11, M12, M13, M14)
61	0150P00005	WHEEL, BLOWER
71	0131P00029	FAN MOTOR, INDOOR
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR - DISCHARGE
121	0121P00059DG	ENDPLATE-RH SCROLL
131	0121P00215DG	ENDPLATE- LH SCROLL

Expanded Model Nomenclature

M1 - PMC073G25A XXXDA
 M2 - PMC073G25A XXXEA
 M3 - PMC073G25ERXXDA
 M4 - PMC073G25ERXXEA
 M5 - PMC073G25EXXXDA
 M6 - PMC073G25EXXXEA
 M7 - PMC073G35A XXXDA
 M8 - PMC073G35A XXXEA
 M9 - PMC073G35CXXXDA
 M10 - PMC073G35CXXXEA
 M11 - PMC073G35ERXXDA
 M12 - PMC073G35ERXXEA
 M13 - PMC073G35EXXXDA
 M14 - PMC073G35EXXXEA

Refrigerate Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



COMPRESSOR ASSEMBLY

Refrigerate Tubing Assembly

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

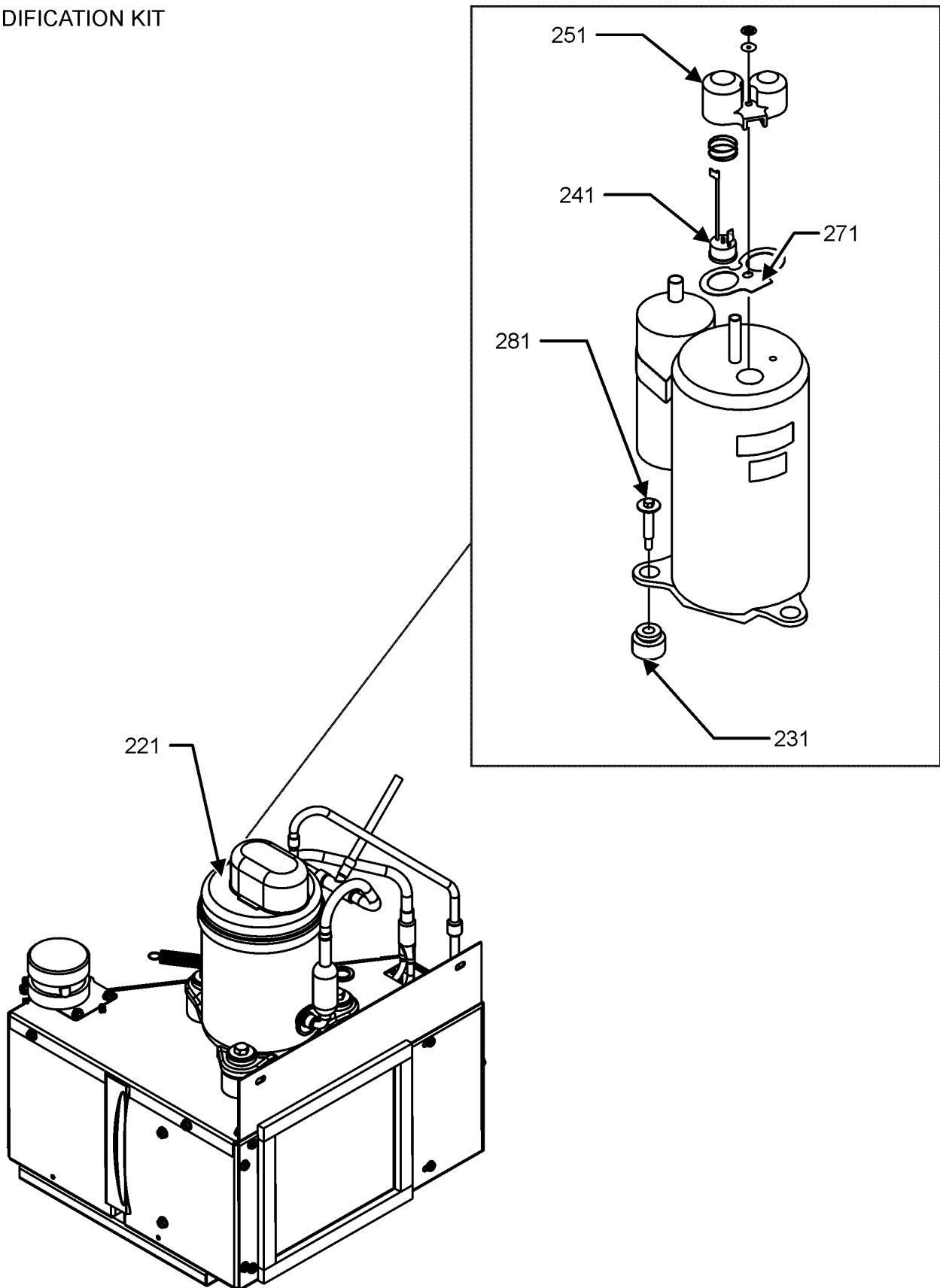
21	0130M00169	SWITCH, HIGH PRESS
31	0202P00067	EVAP ASSY, 3/8, 2 ROW
51	0201P00137NG	5MM COND ASSY PAINTED
51	0201P00130	5MM CONDENSER COIL ASSY
61	0130P00077	THERMISTOR
71	39B142GD&9BKZ	COMPRESSOR, RECHI
81	60130203	GROMMET - RECHI COMPRESSOR
91	0163M00079	SHOULDER SCREW
101	60100107	TERMINAL COVER GASKET
121	20406303	BASE PAN VALVE
131	60100317	TERMINAL COVER
141	60100201	WASHER - RECHI COMPRESSOR
151	60100401	TERMINAL NUT - RECHI COMP
201	0210P00390	CAPILLARY WELDMENT
311	0130P00094	THERMISTOR
321	0130P00141	THERMISTOR
331	0130P00084	THERMISTOR - INDOOR COIL
NS	BT1392310	PLASTIC CLAMP, .1875 DIA

Expanded Model Nomenclature

M1 - PMC073G25AXXXDA
 M2 - PMC073G25AXXXEA
 M3 - PMC073G25ERXXDA
 M4 - PMC073G25ERXXEA
 M5 - PMC073G25EXXXDA
 M6 - PMC073G25EXXXEA
 M7 - PMC073G35AXXXDA
 M8 - PMC073G35AXXXEA
 M9 - PMC073G35CXXXDA
 M10 - PMC073G35CXXEA
 M11 - PMC073G35ERXXDA
 M12 - PMC073G35ERXXEA
 M13 - PMC073G35EXXXDA
 M14 - PMC073G35EXXXEA

Dehumidification Kit

DEHUMIDIFICATION KIT



Dehumidification Kit

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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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	0163P00029	CAPACITOR CLAMP
NS	0161P00052SW	FILTER RACK
NS	0130P00133	HUMIDITY SENSOR
NS	11149201	MUFFIN FAN
NS	0130P00132	THERMISTOR
NS	0130P00132	THERMISTOR
NS	0130P00145	THERMISTOR .250 CLIP, GRAY
NS	0259P00016	WIRE HARNESS
NS	0259P00018	WIRE HARNESS

Expanded Model Nomenclature

M1 - PMC073G25A XXXDA
 M2 - PMC073G25A XXXEA
 M3 - PMC073G25ERXXDA
 M4 - PMC073G25ERXXEA
 M5 - PMC073G25EXXXDA
 M6 - PMC073G25EXXXEA
 M7 - PMC073G35A XXXDA
 M8 - PMC073G35A XXXEA
 M9 - PMC073G35CXXXDA
 M10 - PMC073G35CXXXEA
 M11 - PMC073G35ERXXDA
 M12 - PMC073G35ERXXEA
 M13 - PMC073G35EXXXDA
 M14 - PMC073G35EXXXEA