

HEH123H Package Terminal Heat Pump

HEH123H25AXXXCA
HEH123H25CXXXCA
HEH123H25QXXXEA
HEH123H25RXXXCA
HEH123H35AXXXCA
HEH123H35CXXXCA
HEH123H35DXXXEA
HEH123H50AXXXCA
HEH123H50VXXXEA



Amana® is a registered trademark of Maytag Corporation or its related companies and is used under license. All rights reserved.

This manual is to be used by qualified technicians only.

This manual replaces RP-D5022F.

© 2016 - 2019 Goodman Company, L.P. ♦ 5151 San Felipe St, 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

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:**

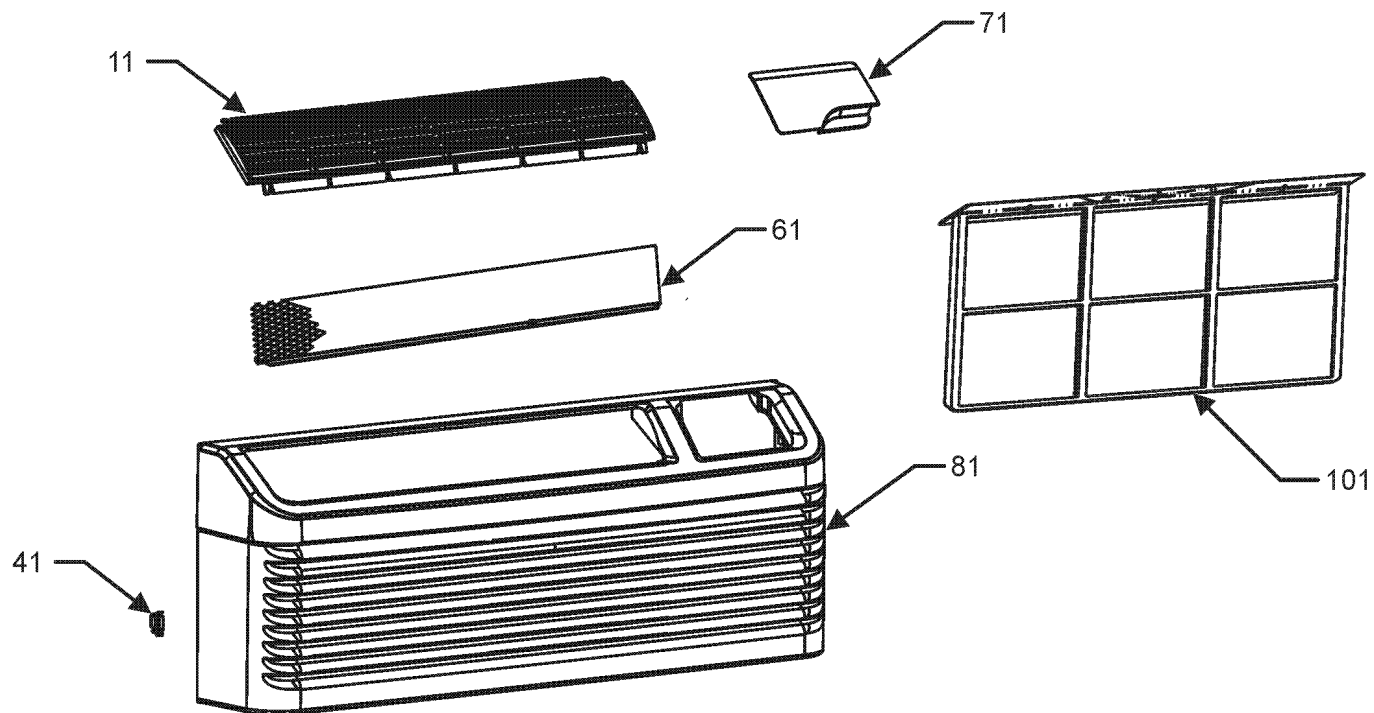
20406303	BASE PAN VALVE
CAP030300450CS	CAPACITOR, 500V
44A262BM&JEKD	COMPRESSOR, RECHI (M3, M7, M9)
44A282AK&JEKD	COMPRESSOR, RECHI (M1, M2, M4, M5, M6, M8)
RSKP0012	CONTROL BOARD M70
RSKP0015	CONTROL PANEL COVER AND MEMBRANE
0130P00112	CORD,250VAC,15A (LCD) (M1, M2, M3, M4)
0130P00115	CORD,250VAC,20A (LCD) (M5, M6, M7)
0130P00118	CORD,250VAC,30A (LCD) (M8, M9)
0131P00029	FAN MOTOR, INDOOR
0131P00030	FAN MOTOR, OUTDOOR DC
0161P00055	FAN, CONDENSER
0275P00039	HEATER ASSY (M8, M9)
0275P00038	HEATER ASSY (M5, M6, M7)
0275P00019	HEATER ASSY (M1, M2, M3, M4)
0130P00133	HUMIDITY SENSOR (M7, M9)
PCBEP104	INDOOR DC CONTROL MOTOR
PCBEP105	OUTDOOR DC CONTROL BOARD
60343503	OVERLOAD PROTECTOR (M1, M2, M4, M5, M6, M8)
60343526	OVERLOAD PROTECTOR (M3, M7, M9)
PCBCP147	PCB, CONTROL, D70 (M7, M9)
0130P00137	POWER VENT MOTOR (M7, M9)
0151P00009	PTAC REVERSING VALVE ASSY
0130P00022	REVERSING VALVE COIL
0130M00169	SWITCH, HIGH PRESS
802007090	TERMINAL BOARD
0130P00130	THERMISTOR
0130P00142	THERMISTOR
0130P00144	THERMISTOR
0130P00077	THERMISTOR (M4)
0130P00134	THERMISTOR - DISCHARGE
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M4)
0130M00341	TRANSFORMER 20VA 230V
0150P00005	WHEEL, BLOWER

Expanded Model Nomenclature

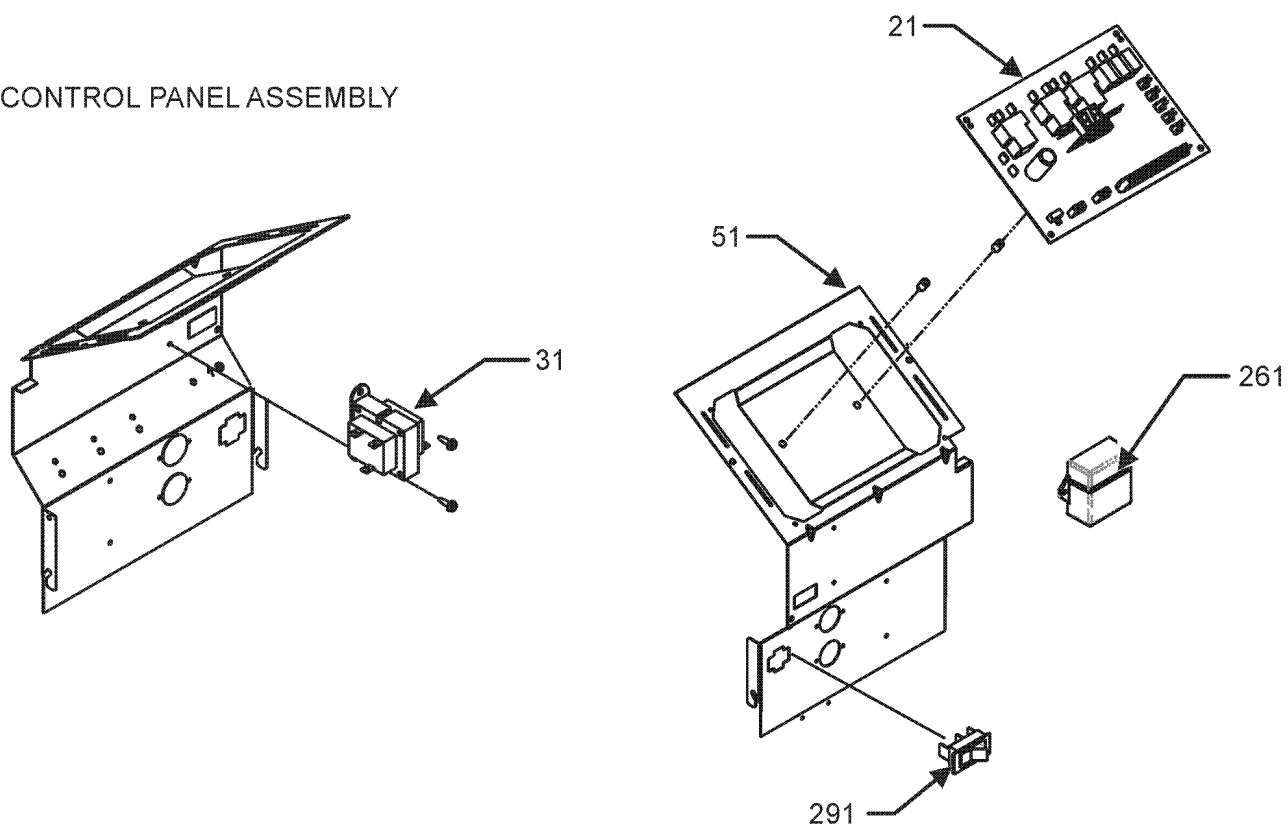
M1 - HEH123H25AXXXCA
M2 - HEH123H25CXXXCA
M3 - HEH123H25QXXXE
M4 - HEH123H25RXXXCA
M5 - HEH123H35AXXXCA
M6 - HEH123H35CXXXCA
M7 - HEH123H35DXXXE
M8 - HEH123H50AXXXCA
M9 - HEH123H50VXXXE

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:

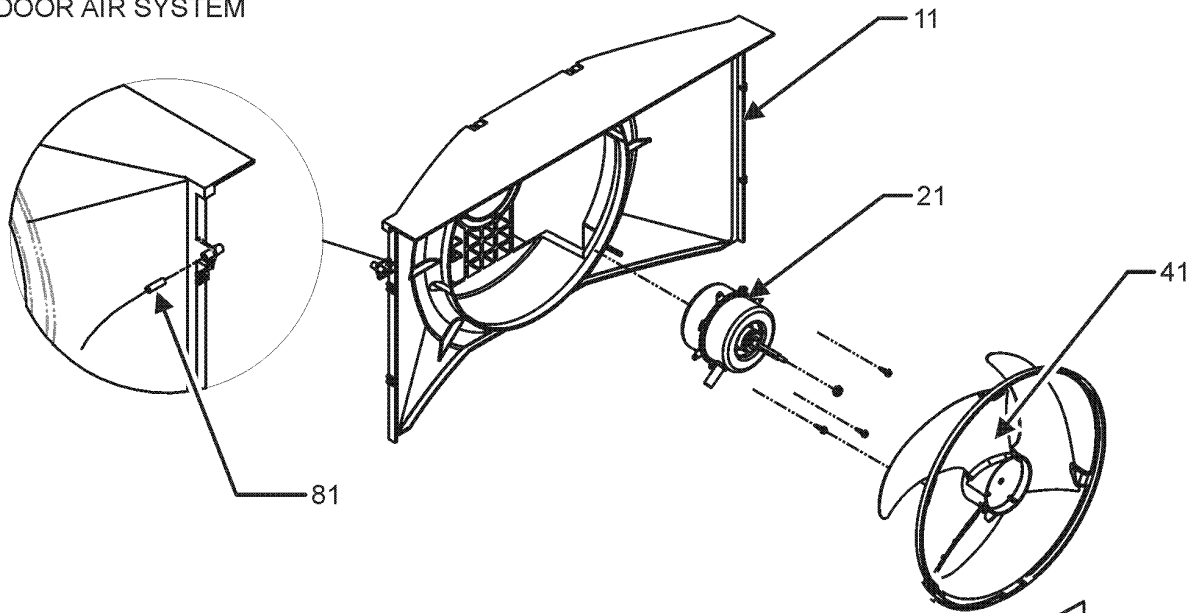
11	0161P00048	FRONT, LOUVERS DISCHARGE
21	RSKP0012	CONTROL BOARD M70
31	0130M00341	TRANSFORMER 20VA 230V
41	0163P00025	CLIP (QTY 2)
51	0121P00130	PANEL, CONTROL
61	0121P00194BL	SCREEN, DISCHARGE, PAINTED
71	0261P00003	DOOR ASSY -AMANA-
81	0261P00011	FRONT ASSY
101	0161P00035	FILTER, RACK (QTY 2)
261	0130P00104	ANTENNA (M4)
291	B1337701	PADDLE SWITCH (M7, M9)
NS	PCBCP147	PCB, CONTROL, D70 (M7, M9)

Expanded Model Nomenclature

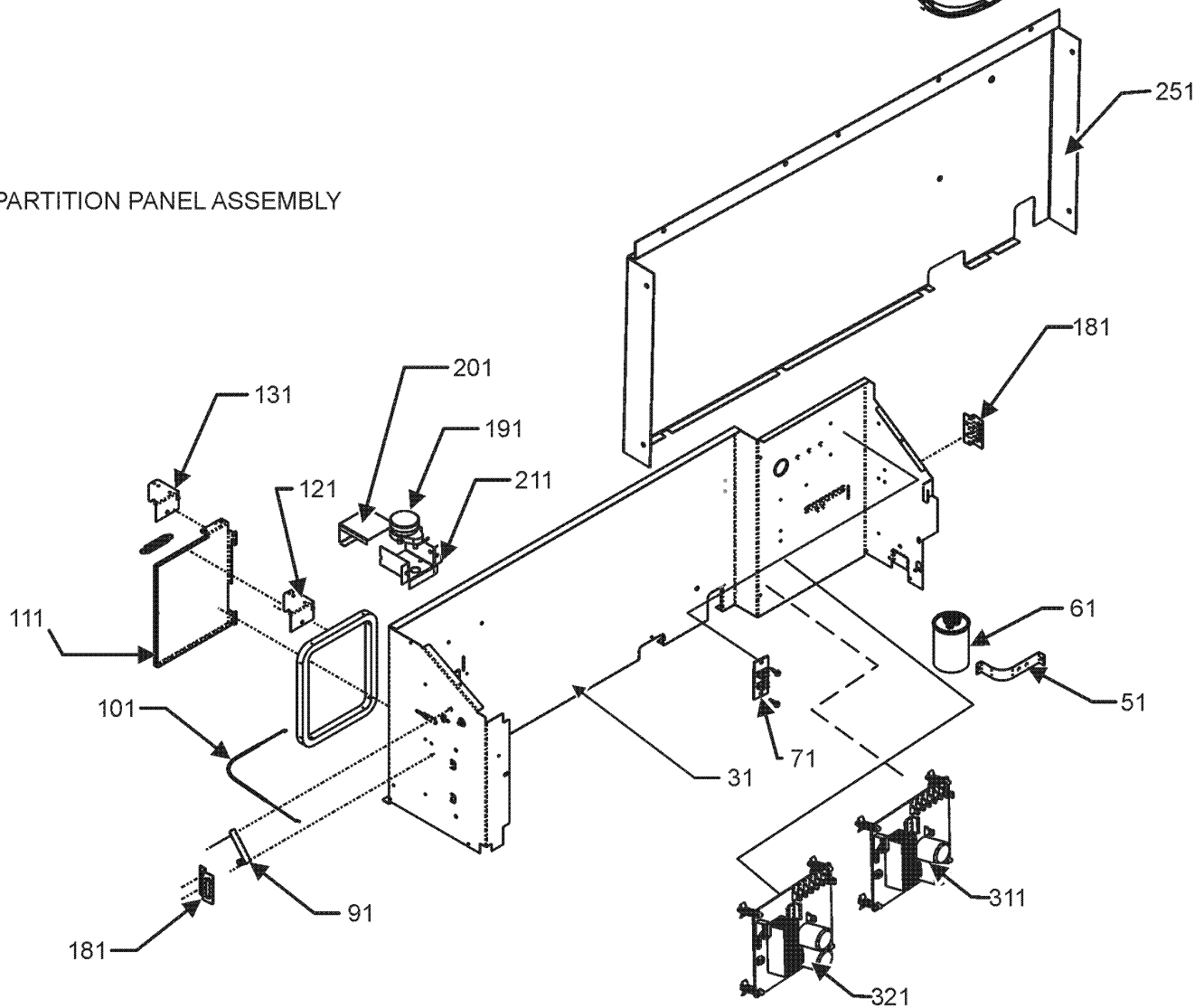
M1 - HEH123H25A XXXCA
M2 - HEH123H25C XXXCA
M3 - HEH123H25Q XXXEA
M4 - HEH123H25R XXXCA
M5 - HEH123H35A XXXCA
M6 - HEH123H35C XXXCA
M7 - HEH123H35D XXXEA
M8 - HEH123H50A XXXCA
M9 - HEH123H50V XXXEA

Outdoor Air System and Partition Panel

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY



Outdoor Air System and Partition Panel

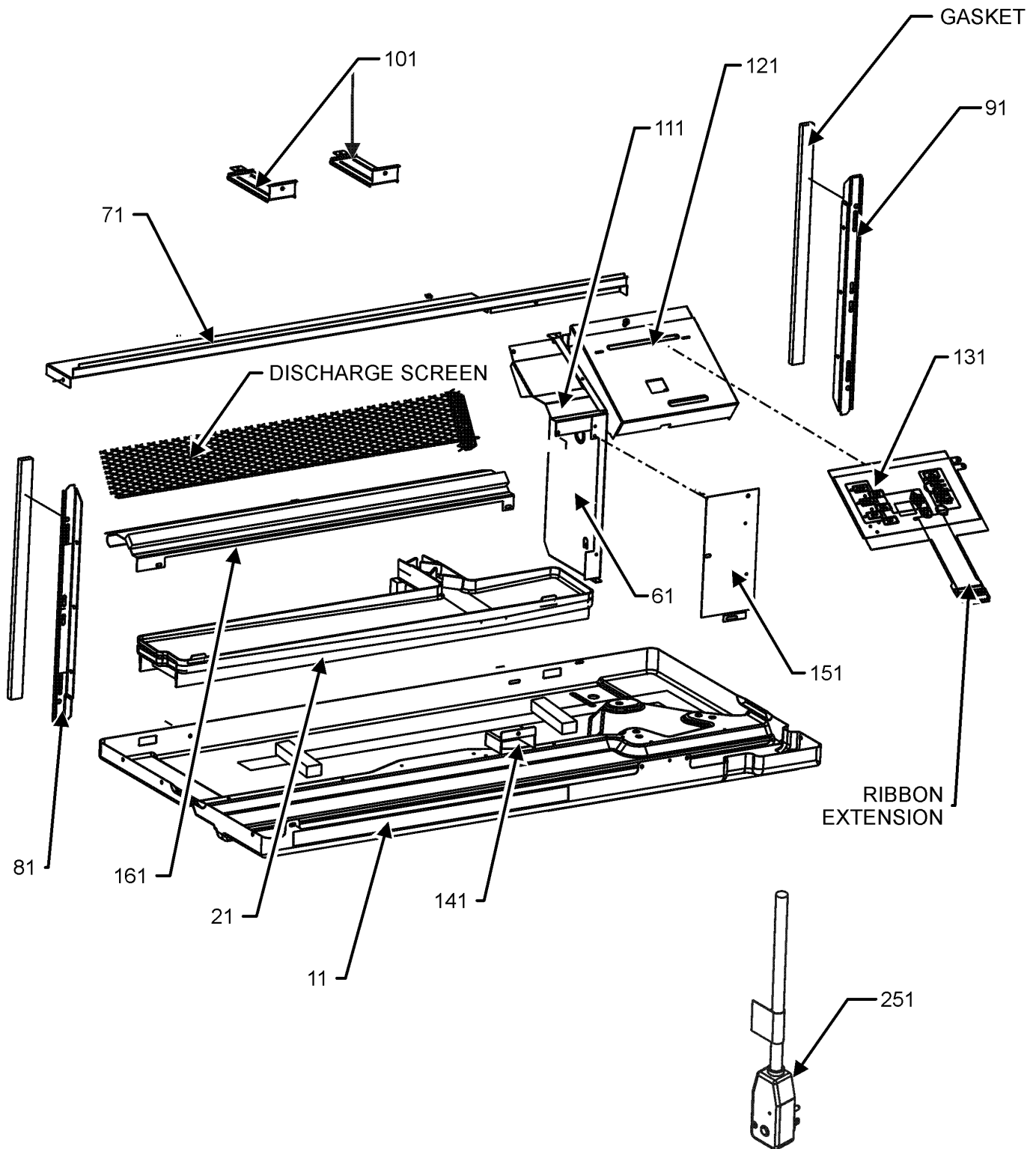
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00053		SHROUD, CONDENSER
21	0131P00030		FAN MOTOR, OUTDOOR DC
31	0121P00093		PANEL-PARTITION (M3)
31	0121P00108NG		PANEL-PARTITION (M1, M2, M4, M5, M6, M7, M8, M9)
41	0161P00055		FAN, CONDENSER
51	C6300502		CAPACITOR STRAP
61	CAP030300450CS		CAPACITOR, 500V
71	802007090		TERMINAL BOARD
81	0130P00098		THERMISTOR - OUTDOOR AMBIENT (M4)
91	11046302		LEVER ARM (M1, M2, M4, M5, M6, M8)
101	0163P00019		CABLE (M1, M2, M4, M5, M6, M8)
111	0121P00177NG		DOOR - PNT VENT PTC (M1, M2, M4, M5, M6, M7, M8, M9)
121	0121P00079		BRACKET, VENT DOOR (M7, M9)
131	0121P00072NG		BRACKET, VENT DOOR-C (M1, M2, M4, M5, M6, M8)
141	11166401		EXTENSION SPRING (M7, M9)
181	11191703		PARTITION PANEL BRACKET (QTY 2)
191	0130P00137		POWER VENT MOTOR (M7, M9)
201	11166201		POWER VENT COVER BRACKET (M7, M9)
211	11166101		POWER VENT MOTOR BRACKET (M7, M9)
251	0121P00091		PANEL-AUXILLIARY (M3)
311	PCBEP105		OUTDOOR DC CONTROL BOARD
321	PCBEP104		INDOOR DC CONTROL MOTOR
NS	0130P00133		HUMIDITY SENSOR (M7, M9)

Expanded Model Nomenclature

M1 - HEH123H25A XXXCA
M2 - HEH123H25C XXXCA
M3 - HEH123H25Q XXXEA
M4 - HEH123H25R XXXCA
M5 - HEH123H35A XXXCA
M6 - HEH123H35C XXXCA
M7 - HEH123H35D XXXEA
M8 - HEH123H50A XXXCA
M9 - HEH123H50V XXXEA

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

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

Image 1:

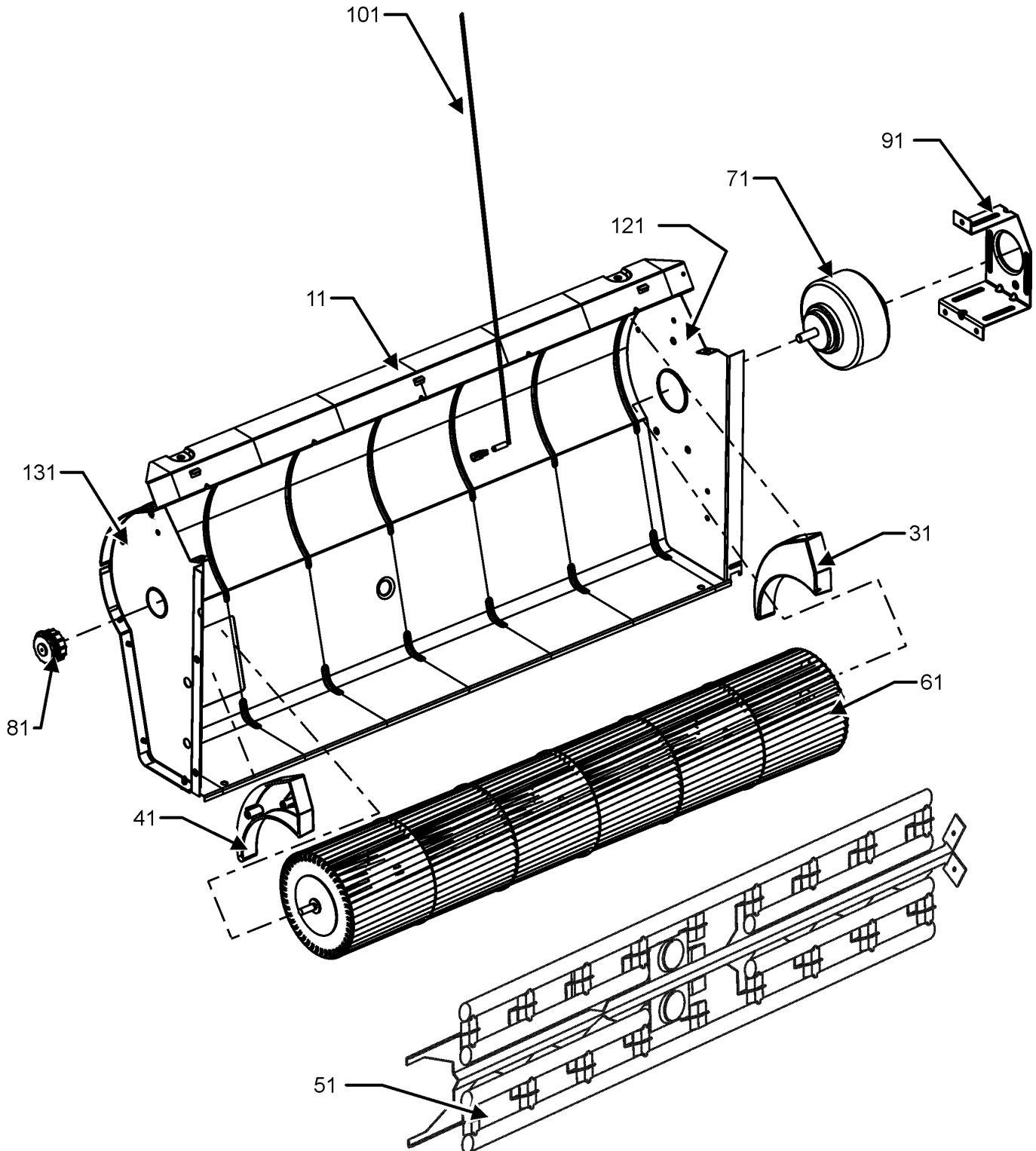
11	0121P00175DG	BASE PAN (M1, M3, M4, M5, M7, M8, M9)
11	0121P00175NG	BASE PAN (M2, M6)
21	0161P00044	PLASTIC-DRAIN PAN
61	20403301	MID PARTITION PANEL
71	0121P00063NG	TOP, PARTITION PANEL PNT
81	0121P00197	SEAL-L SIDE PTC
91	0121P00198	SEAL-R SIDE PTC
101	0121P00071NG	BRACE, TIE PNT (QTY 2)
111	0121P00070DG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

Expanded Model Nomenclature

M1 - HEH123H25A XXXCA
M2 - HEH123H25C XXXCA
M3 - HEH123H25Q XXXEA
M4 - HEH123H25R XXXCA
M5 - HEH123H35A XXXCA
M6 - HEH123H35C XXXCA
M7 - HEH123H35D XXXEA
M8 - HEH123H50A XXXCA
M9 - HEH123H50V XXXEA

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

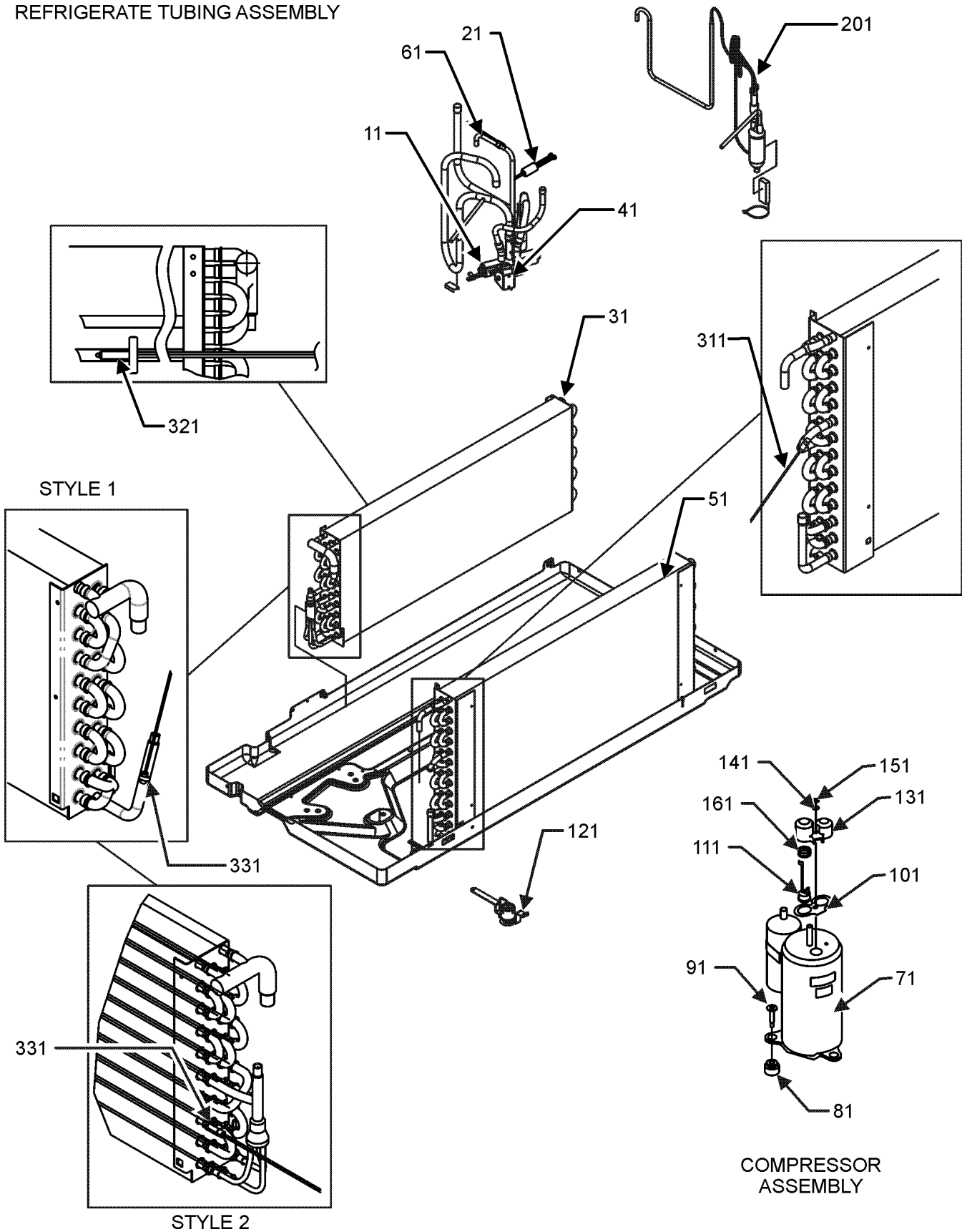
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M1, M2, M3, M4)
51	0275P00038	HEATER ASSY (M5, M6, M7)
51	0275P00039	HEATER ASSY (M8, M9)
61	0150P00005	WHEEL, BLOWER
71	0131P00029	FAN MOTOR, INDOOR
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR - DISCHARGE
121	0121P00059DG	ENDPLATE-RH SCROLL
131	0121P00215DG	ENDPLATE- LH SCROLL

Expanded Model Nomenclature

M1 - HEH123H25AXXXCA
M2 - HEH123H25CXXXCA
M3 - HEH123H25QXXXEA
M4 - HEH123H25RXXXCA
M5 - HEH123H35AXXXCA
M6 - HEH123H35CXXXCA
M7 - HEH123H35DXXXEA
M8 - HEH123H50AXXXCA
M9 - HEH123H50VXXXEA

Refrigerate Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



Refrigerate Tubing Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0151P00009		PTAC REVERSING VALVE ASSY
21	0130M00169		SWITCH, HIGH PRESS
31	0202P00065		EVAP ASSY, 5/16, 3 ROW
41	0130P00022		REVERSING VALVE COIL
51	0201P00098		7 MM CONDENSER ASSEMBLY (M1, M3, M4, M5, M7, M8, M9)
51	0201P00104NG		7MM CONDENSER ASSEMBLY PAINTED (M2, M6)
61	0130P00077		THERMISTOR (M4)
71	44A262BM&JEKD		COMPRESSOR, RECHI (M3, M7, M9)
71	44A282AK&JEKD		COMPRESSOR, RECHI (M1, M2, M4, M5, M6, M8)
81	60130203		GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163M00079		SHOULDER SCREW (QTY 3)
101	60100103		TERMINAL GASKET
111	60343503		OVERLOAD PROTECTOR (M1, M2, M4, M5, M6,
111	60343526		OVERLOAD PROTECTOR (M3, M7, M9)
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 TUBE WELDMENT (M1, M2, M4, M5, M6, M8)
201	0210P00422		CAPILLARY TUBE WELDMENT (M3, M7, M9)
311	0130P00130		THERMISTOR
321	0130P00142		THERMISTOR
331	0130P00144		THERMISTOR
NS	BT1392310		PLASTIC CLAMP, .1875 DIA (M7, M9)

Expanded Model Nomenclature

M1 - HEH123H25AXXXCA
M2 - HEH123H25CXXXCA
M3 - HEH123H25QXXXEA
M4 - HEH123H25RXXXCA
M5 - HEH123H35AXXXCA
M6 - HEH123H35CXXXCA
M7 - HEH123H35DXXXEA
M8 - HEH123H50AXXXCA
M9 - HEH123H50VXXXEA