

HEH153H Package Terminal Heat Pump

HEH153H35AXXXGA
HEH153H35CXXXGA
HEH153H35DXXXGA
HEH153H50AXXXGA
HEH153H50DXXXGA



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This manual is to be used by qualified technicians only.

This manual replaces RP-A5349B

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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:

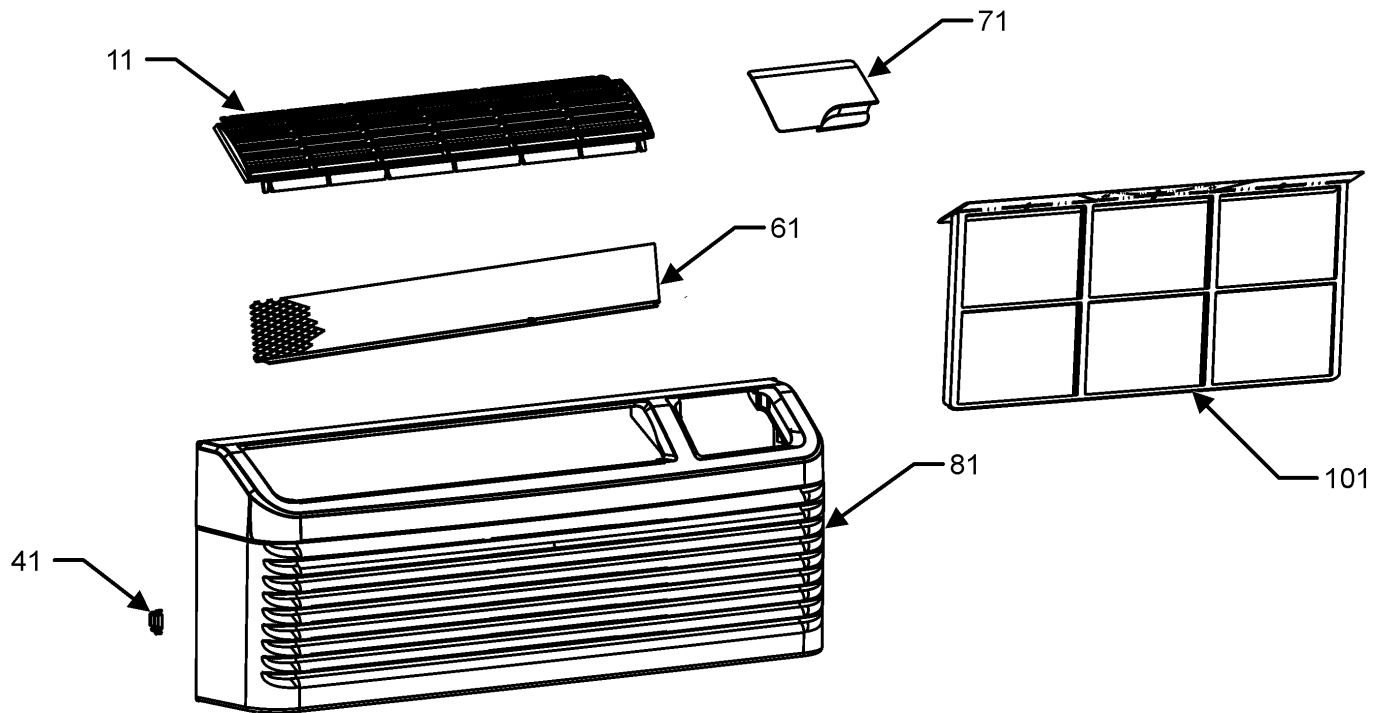
20406303	BASE PAN VALVE
CAP050300450CS	CAP, 5/30 MFD/450V/DUAL RD
50A362QM-9GKG	COMPRESSOR, RECHI
RSKP0014	CONTROL BOARD KIT
RSKP0012	CONTROL BOARD M70
RSKP0015	CONTROL PANEL COVER AND MEMBRANE
0130P00115	CORD,250VAC,20A (LCD) (M1, M2, M3)
0130P00118	CORD,250VAC,30A (LCD) (M4, M5)
0131P00029	FAN MOTOR, INDOOR
0131P00030	FAN MOTOR, OUTDOOR DC
0161P00055	FAN, CONDENSER
0275P00038	HEATER ASSY (M1, M2, M3)
0275P00039	HEATER ASSY (M4, M5)
0130P00133	HUMIDITY SENSOR (M3, M5)
PCBEP104	INDOOR DC CONTROL MOTOR
PCBEP105	OUTDOOR DC CONTROL MOTOR
60349605A	OVERLOAD PROTECTOR-GREEN DOT
PCBCP150	PCB CONTROL
PCBCP147	PCB, CONTROL, D70 (M3, M5)
0130P00137	POWER VENT MOTOR (M3, M5)
0151P00013	PTAC Reversing Valve Assy
0130P00022	REVERSING VALVE COIL
0130M00169	SWITCH, HIGH PRESS
802007090	TERMINAL BOARD
0130P00164	THERMISTOR IAT BLACK
0130P00159	THERMISTOR ICT RED
0130P00134	THERMISTOR IDT YELLOW
0130P00098	THERMISTOR OAT GREEN (M3, M5)
0130P00130	THERMISTOR OCT BLUE
0150P00005	WHEEL, BLOWER

Expanded Model Nomenclature

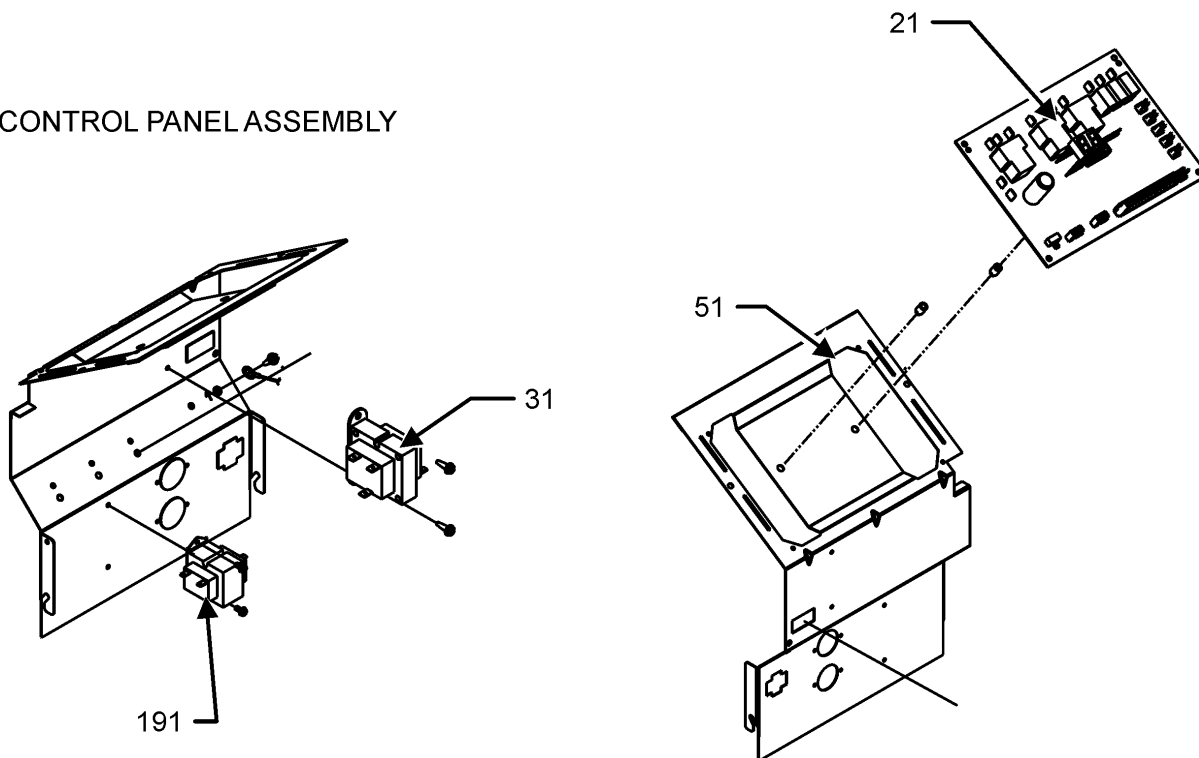
M1 - HEH153H35AXXXGA
M2 - HEH153H35CXXXGA
M3 - HEH153H35DXXXGA
M4 - HEH153H50AXXXGA
M5 - HEH153H50DXXXGA

Front Panel / Control Board Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY



Front Panel / Control Board Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

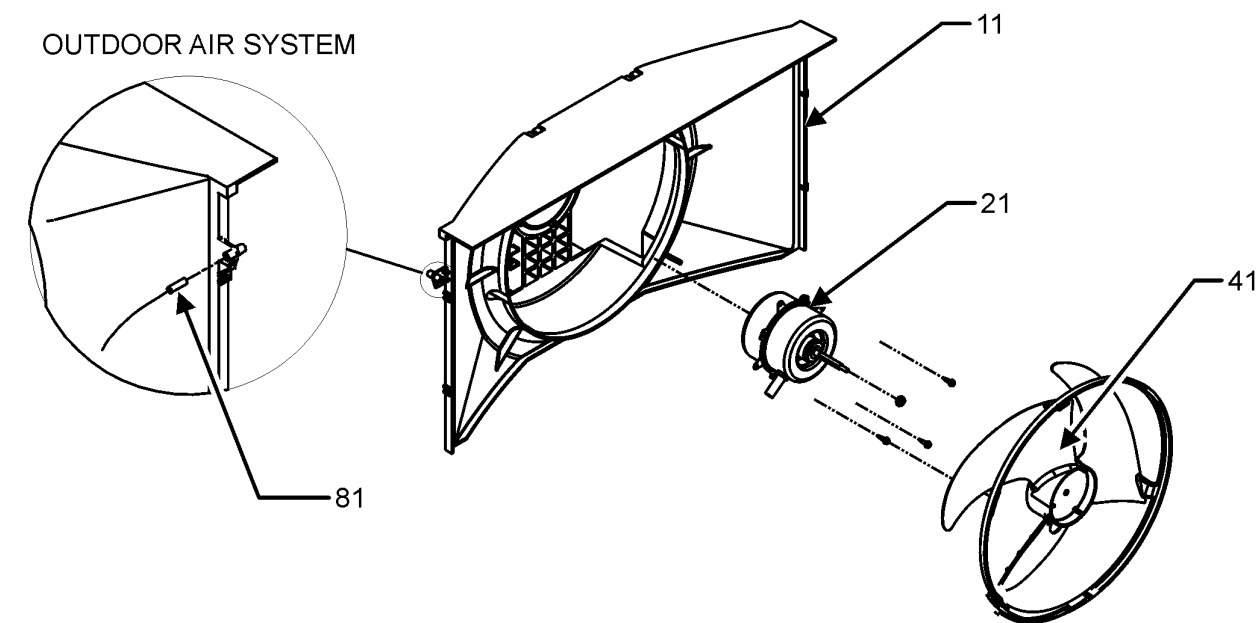
Image 1:

11	0161P00048	FRONT, LOUVERS DISCHARGE
21	RSKP0012	CONTROL BOARD M70
21	PCBCP150	PCB CONTROL
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)
191	0130M00599	TRANSFMR, 40VA, 240V/208V TO 24V (M3, M5)
NS	RSKP0014	CONTROL BOARD KIT
NS	B1337701	PADDLE SWITCH (M3, M5)
NS	PCBCP147	PCB, CONTROL, D70 (M3, M5)

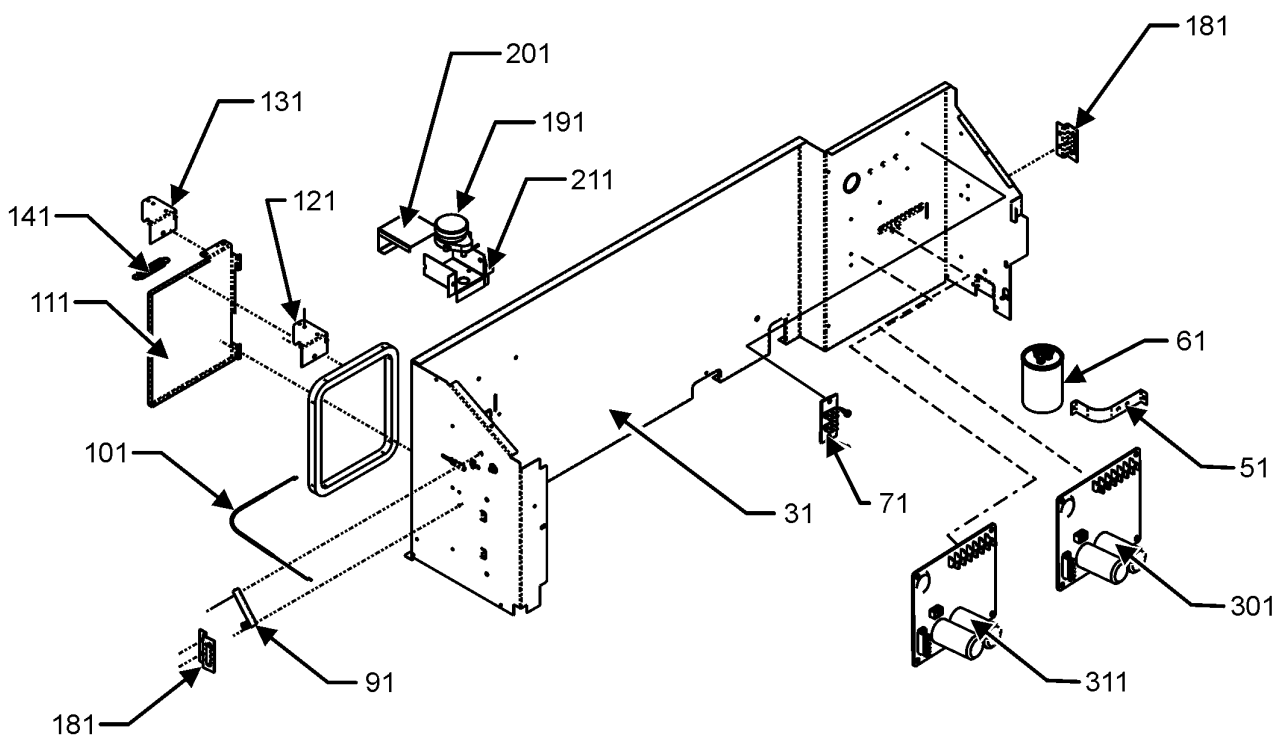
Expanded Model Nomenclature

M1 - HEH153H35AXXXGA
M2 - HEH153H35CXXXGA
M3 - HEH153H35DXXXGA
M4 - HEH153H50AXXXGA
M5 - HEH153H50DXXXGA

Outdoor Air System / Partition Panel



PARTITION PANEL ASSEMBLY



Outdoor Air System / Partition Panel

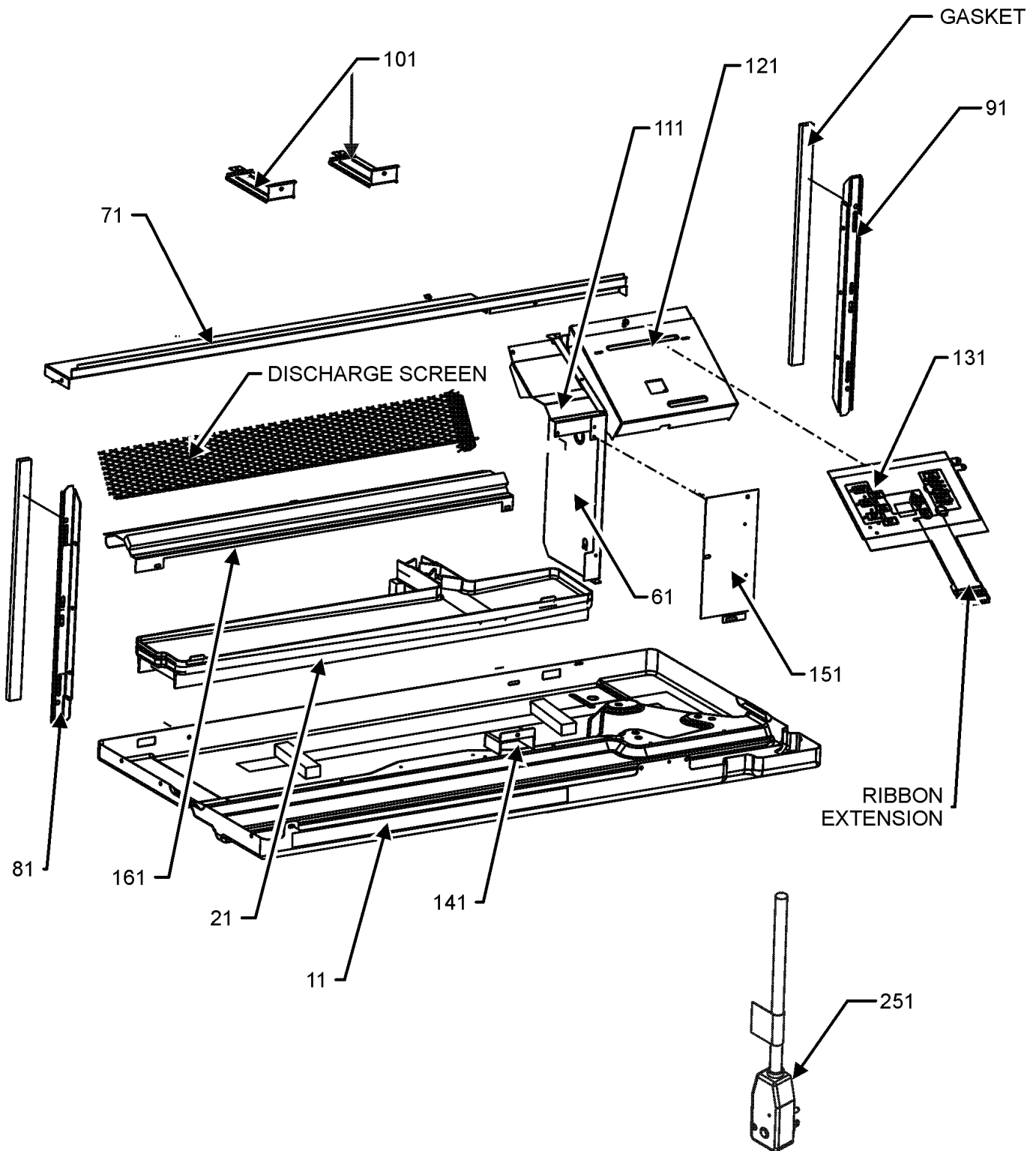
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00110		CONDENSER SHROUD
21	0131P00030		FAN MOTOR, OUTDOOR DC
31	0121P00108NG		PANEL-PARTITION
41	0161P00055		FAN, CONDENSER
51	C6300502		CAPACITOR STRAP
61	CAP050300450CS		CAP, 5/30 MFD/450V/DUAL RD
71	802007090		TERMINAL BOARD
81	0130P00098		THERMISTOR OAT GREEN (M3, M5)
91	11046302		LEVER ARM (M1, M2, M4)
101	0163P00019		CABLE (M1, M2, M4)
111	0121P00177NG		DOOR-VENT PTC
121	0121P00079		BRACKET, VENT DOOR (M3, M5)
131	0121P00072NG		BRACKET, VENT DOOR-C (M1, M2, M4)
131	0121P00079		BRACKET, VENT DOOR-C (M3, M5)
131	0121P00180		BRKT, POWER VENT (M3, M5)
141	11166401		EXTENSION SPRING (M3, M5)
181	11191703		PARTITION PANEL BRACKET (QTY 2)
191	0130P00137		POWER VENT MOTOR (M3, M5)
201	11166201		POWER VENT COVER BRACKET (M3, M5)
211	11166101		POWER VENT MOTOR BRACKET (M3, M5)
301	PCBEP105		OUTDOOR DC CONTROL MOTOR
311	PCBEP104		INDOOR DC CONTROL MOTOR
NS	0130P00133		HUMIDITY SENSOR (M3, M5)
NS	0259P00018		WIRE HARNESS (M3, M5)
NS	0259P00030		WIRE HARNESS (M1, M2, M4)

Expanded Model Nomenclature

M1 - HEH153H35A XXXGA
M2 - HEH153H35C XXXGA
M3 - HEH153H35D XXXGA
M4 - HEH153H50A XXXGA
M5 - HEH153H50D XXXGA

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:

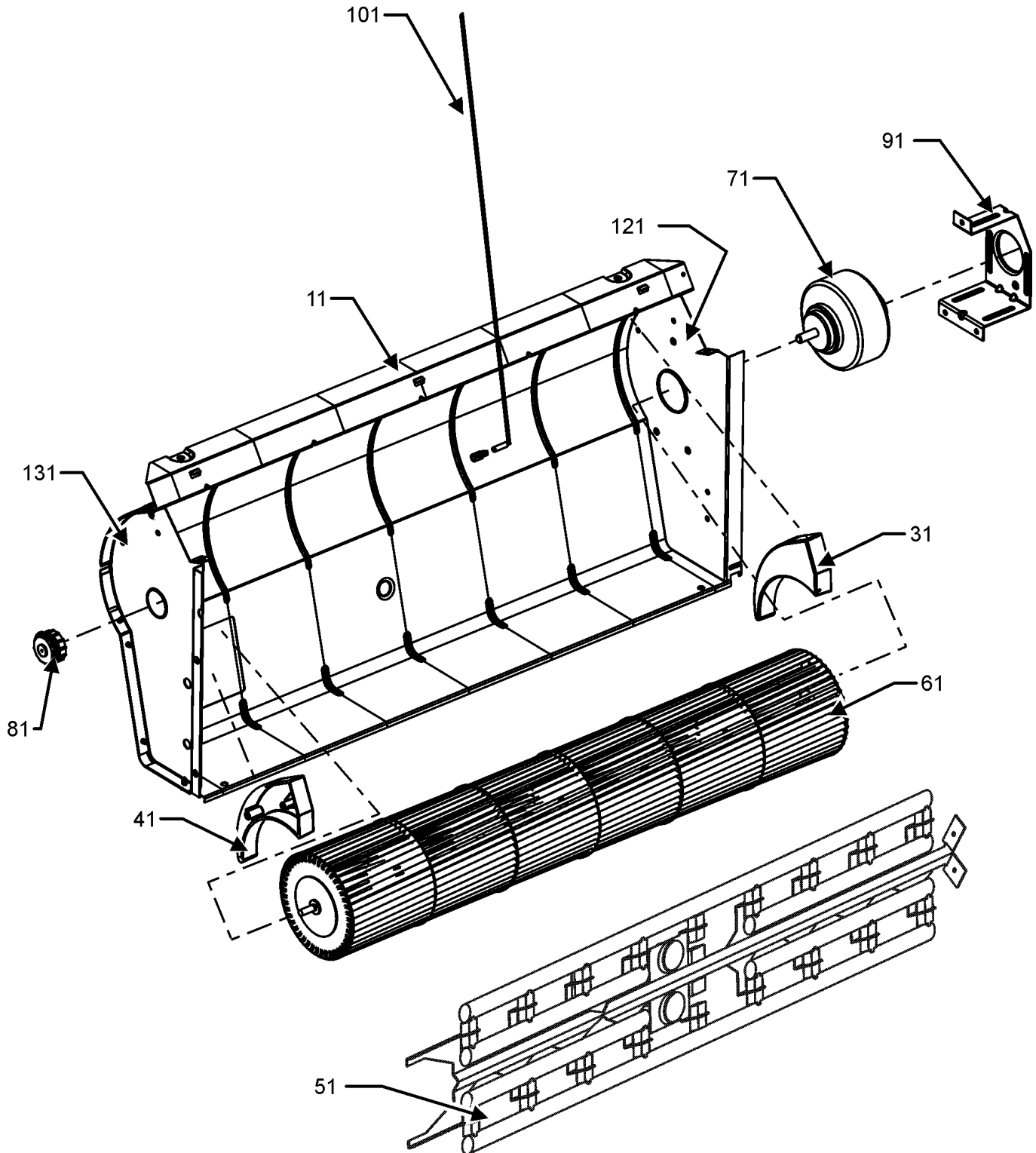
11	0121P00175DG	BASE PAN (M1, M3, M4, M5)
11	0121P00175NG	BASE PAN (M2)
21	0161P00044	PLASTIC-DRAIN PAN
61	0121P00278	PANEL-MID PTN PTC
71	0121P00063NG	TOP, PARTITION PANEL
81	0121P00197	SEAL-L SIDE PTC
91	0121P00198	SEAL-R SIDE PTC
101	0121P00071NG	BRACE, TIE (QTY 2)
111	0121P00070DG	COVER, MOTOR
121	0121P00280	COVER-CONTROL PANEL
131	RSKP0015	CONTROL PANEL COVER AND MEMBRANE
141	0161P00016	PLASTIC-HOOD
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
251	0130P00115	CORD,250VAC,20A (LCD) (M1, M2, M3)
251	0130P00118	CORD,250VAC,30A (LCD) (M4, M5)
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - HEH153H35A XXXGA M2 - HEH153H35C XXXGA M3 - HEH153H35D XXXGA M4 - HEH153H50A XXXGA M5 - HEH153H50D XXXGA

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

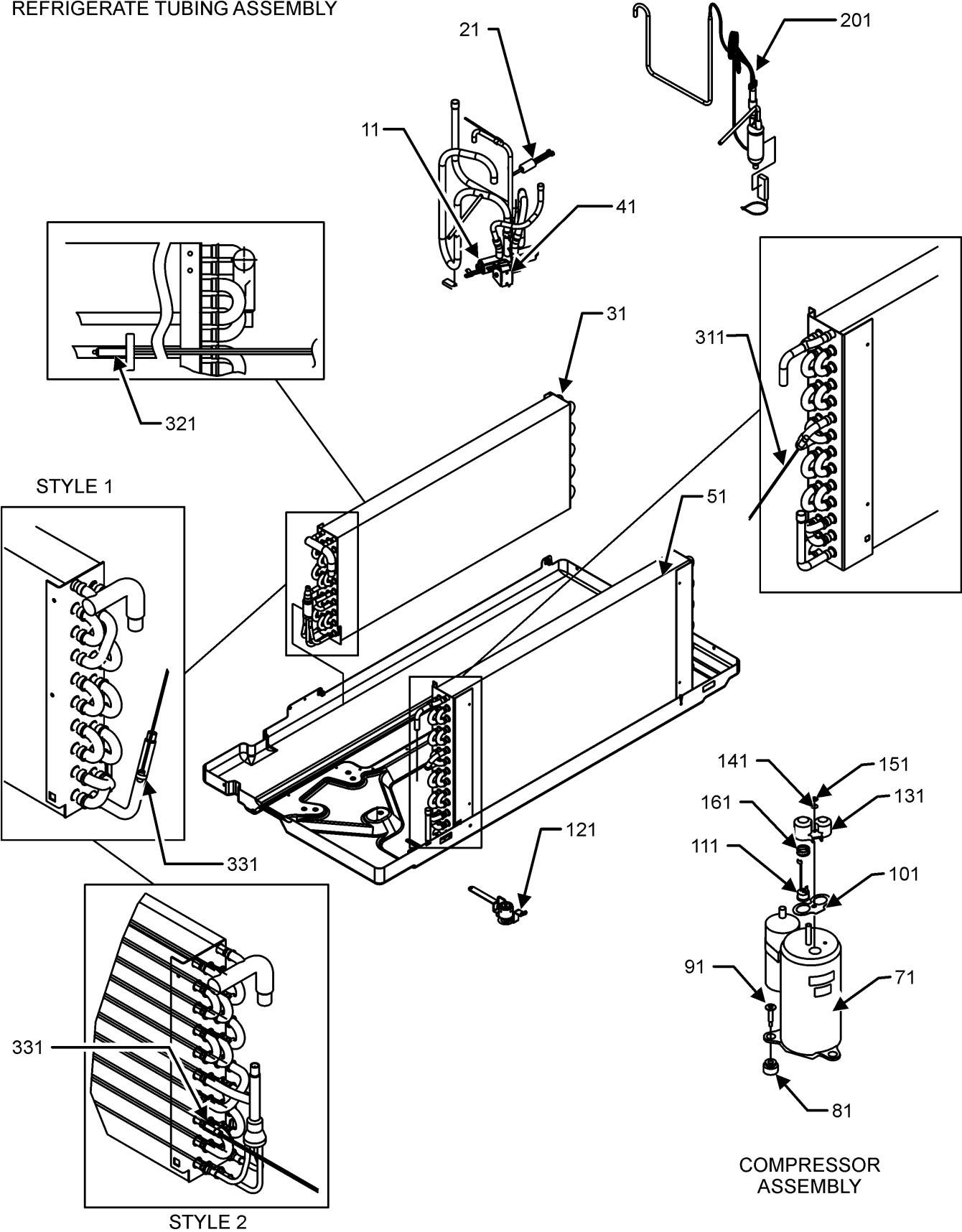
11	0270P01070	SCROLL ASSY
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00038	HEATER ASSY (M1, M2, M3)
51	0275P00039	HEATER ASSY (M4, M5)
61	0150P00005	WHEEL, BLOWER
71	0131P00029	FAN MOTOR, INDOOR
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR IDT YELLOW
121	0121P00059DG	ENDPLATE-RH SCROLL
131	0121P00215DG	ENDPLATE-LH SCROLL, PNT

Expanded Model Nomenclature

M1 - HEH153H35AXXXGA
M2 - HEH153H35CXXXGA
M3 - HEH153H35DXXXGA
M4 - HEH153H50AXXXGA
M5 - HEH153H50DXXXGA

Refrigerant Tubing Assembly

REFRIGERATE TUBING ASSEMBLY



Refrigerant Tubing Assembly

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

11	0151P00013	PTAC Reversing Valve Assy
21	0130M00169	SWITCH, HIGH PRESS
31	0202P00113	7MM EVAP ASSY 3 ROW
41	0130P00022	REVERSING VALVE COIL
51	0201P00167	7MM CONDENSER COIL ASSY (M1, M3, M4, M5)
51	0201P00108	7MM CONDENSER SLAB ASSY 3 ROW (M2)
71	50A362QM-9GKG	COMPRESSOR, RECHI
81	60140209	GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163P00044	SCREW 1/4" - 20 UNC - 2A (QTY 3)
101	60100103	TERMINAL GASKET
111	60349605A	OVERLOAD PROTECTOR-GREEN DOT
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	0210P00462	CAPILLARY ASSY
311	0130P00130	THERMISTOR OCT BLUE
321	0130P00164	THERMISTOR IAT BLACK
331	0130P00159	THERMISTOR ICT RED
NS	BT1392310	PLASTIC CLAMP, .1875 DIA (M3, M5)

Expanded Model Nomenclature

M1 - HEH153H35AXXXGA M2 - HEH153H35CXXXGA M3 - HEH153H35DXXXGA M4 - HEH153H50AXXXGA M5 - HEH153H50DXXXGA
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