

HEH153H Package Terminal Heat Pump

HEH153H35AXXXCA

HEH153H50AXXXCA



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This manual is to be used by qualified technicians only.

Important Information

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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	CAPACITOR 5/30/450V/DUAL RD
50A362QM-9GKG	COMPRESSOR, RECHI
RSKP0012	CONTROL BOARD M70
RSKP0015	CONTROL PANEL COVER AND MEMBRANE
0130P00115	CORD,250VAC,20A (LCD) (M1)
0130P00118	CORD,250VAC,30A (LCD) (M2)
0131P00029	FAN MOTOR, INDOOR
0131P00030	FAN MOTOR, OUTDOOR DC
0161P00055	FAN, CONDENSER
0275P00039	HEATER ASSY (M2)
0275P00038	HEATER ASSY (M1)
PCBEP104	INDOOR DC CONTROL MOTOR
PCBEP105	OUTDOOR DC CONTROL BOARD
60343546	OVERLOAD PROTECTOR
0151P00000	REVERSING VALVE ASSY-230V
0130P00022	REVERSING VALVE COIL
0130M00169	SWITCH, HIGH PRESS
802007090	TERMINAL BOARD
0130P00074	THERMISTOR
0130P00134	THERMISTOR - DISCHARGE
0130P00086	THERMISTOR - INDOOR COIL
0130P00093	THERMISTOR, .375 CLIP, BLUE
0130M00329	TRANSFORMER 20VA 60HZ
0150P00004	WHEEL, BLOWER

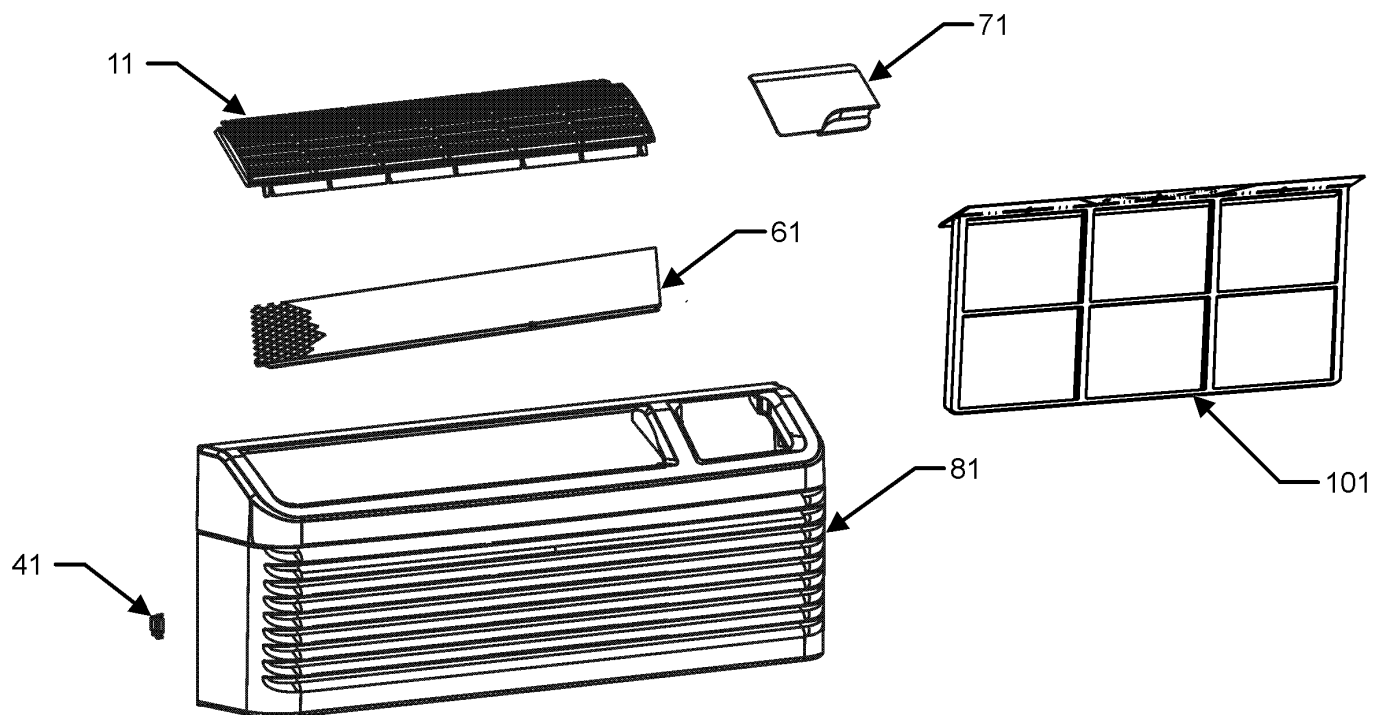
Expanded Model Nomenclature

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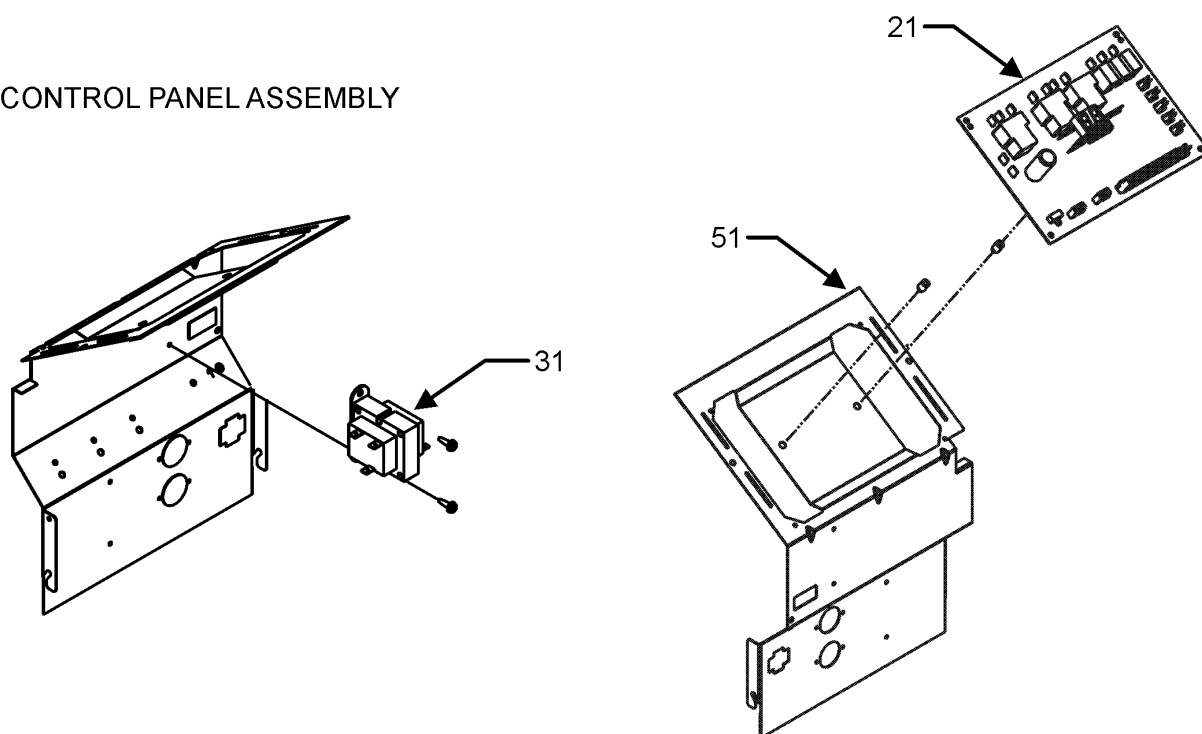
M2 - HEH153H50AXXXCA

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	0130M00329	TRANSFORMER 20VA 60HZ
41	0163P00025	CLIP (QTY 2)
51	0121P00130	PANEL, CONTROL
61	0121P00073	SCREEN, DISCHARGE
71	0261P00003	DOOR ASSY -AMANA-
81	0261P00011	FRONT ASSY
101	0161P00035	FILTER, RACK (QTY 2)

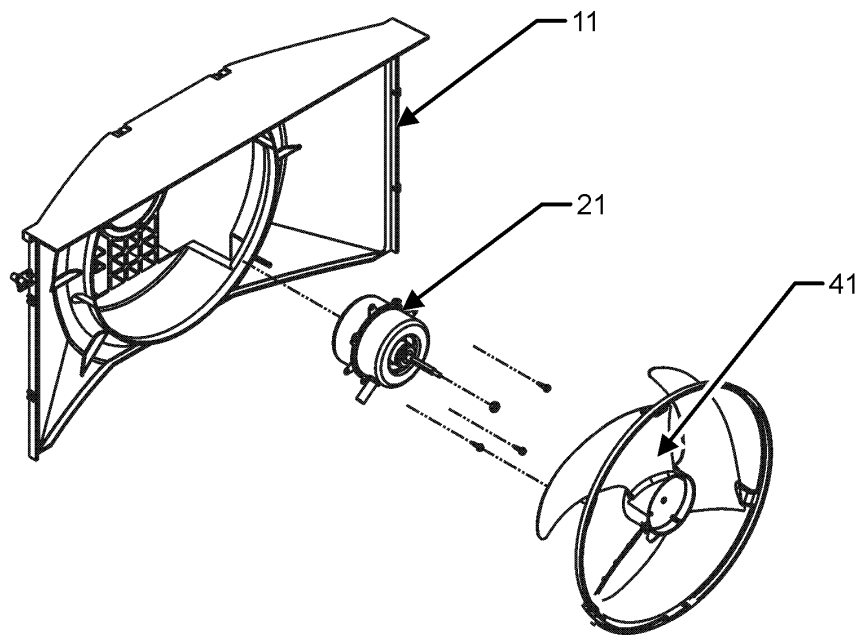
Expanded Model Nomenclature

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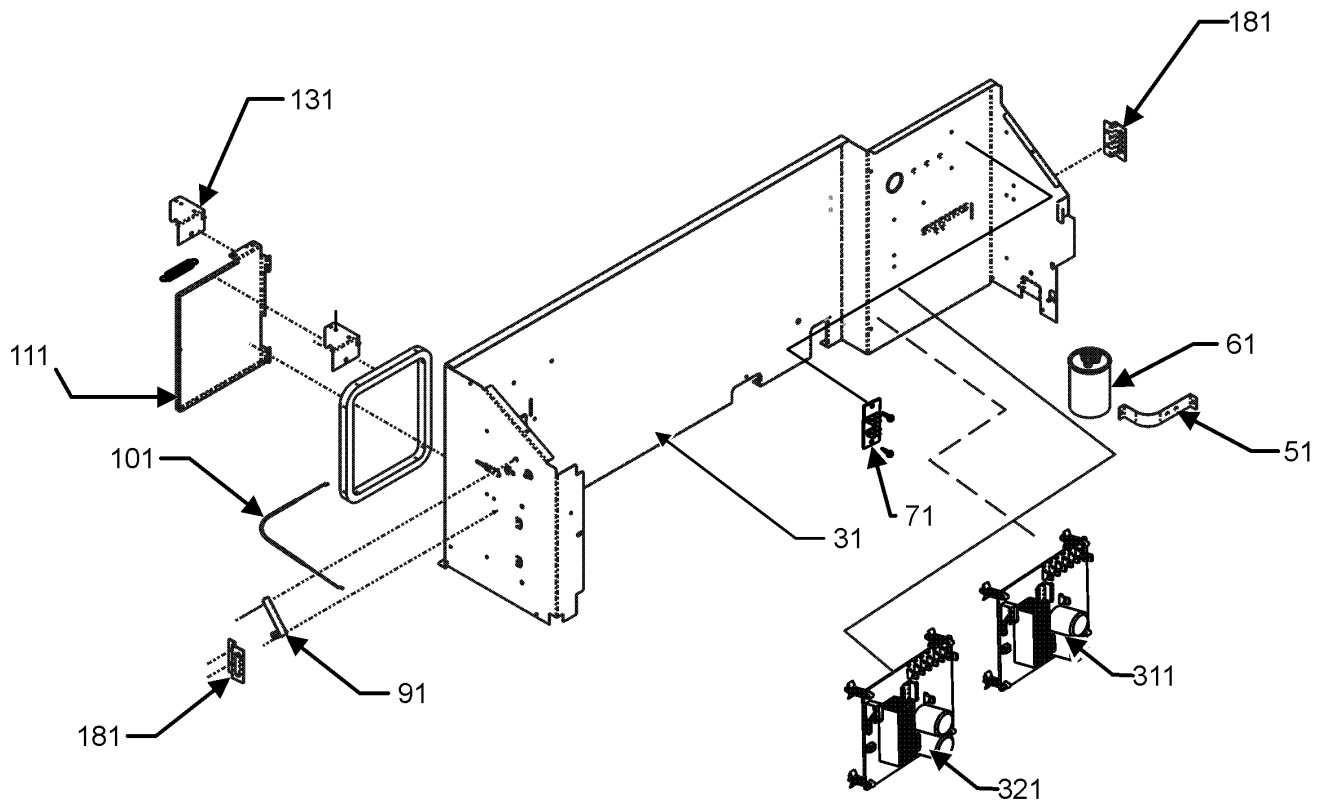
M2 - HEH153H50AXXXCA

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	0121P00108	PANEL-PARTITION
41	0161P00055	FAN, CONDENSER
51	C6300502	CAPACITOR STRAP
61	CAP050300450CS	CAPACITOR 5/30/450V/DUAL RD
71	802007090	TERMINAL BOARD
91	11046302	LEVER ARM
101	0163P00019	CABLE
111	0121P00177NG	DOOR - PNT VENT PTC
131	0121P00072	BRACKET, VENT DOOR
181	11191703	PARTITION PANEL BRACKET (QTY 2)
311	PCBEP105	OUTDOOR DC CONTROL BOARD
321	PCBEP104	INDOOR DC CONTROL MOTOR

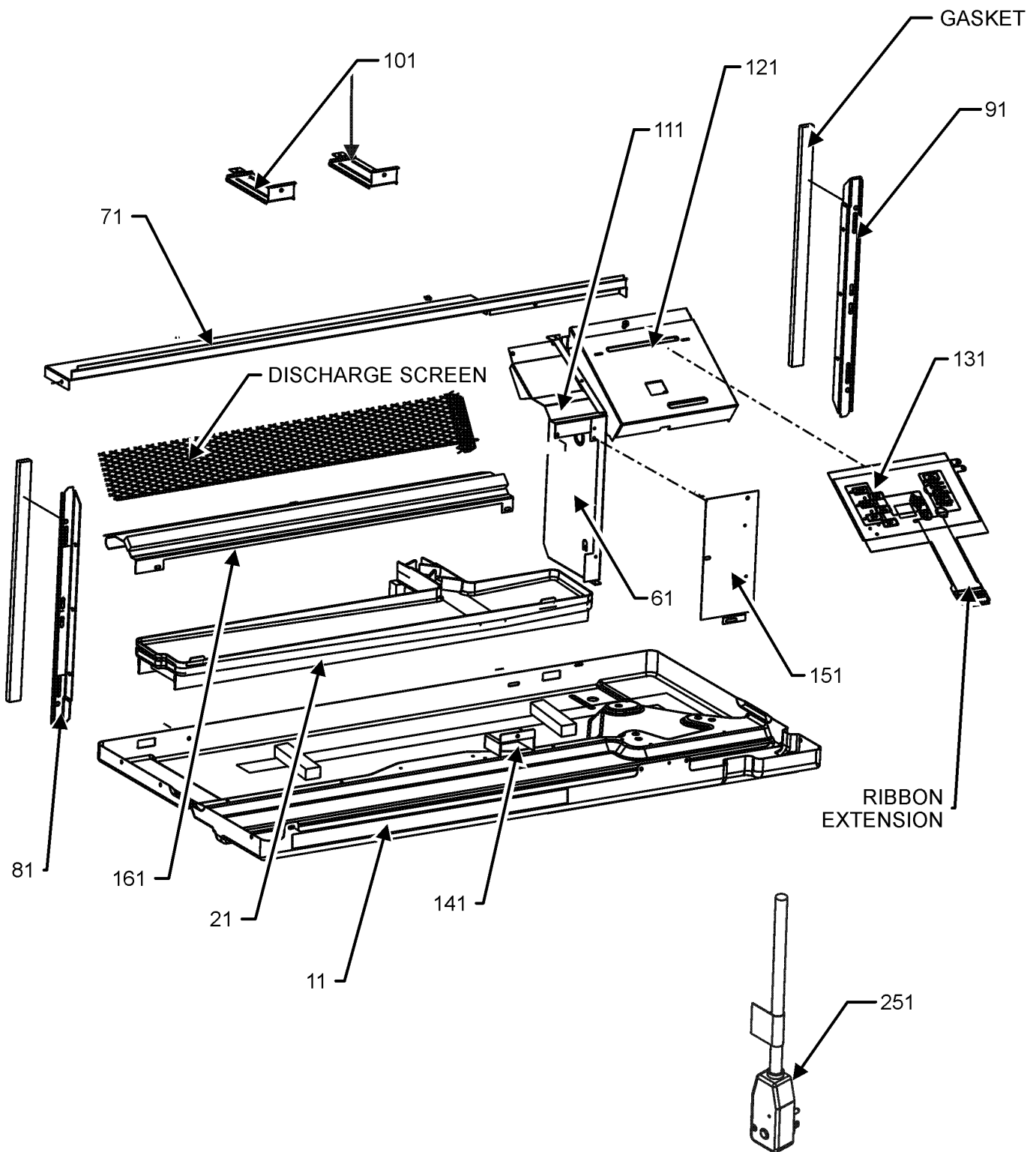
Expanded Model Nomenclature

M1 - HEH153H35AXXXCA

M2 - HEH153H50AXXXCA

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
21	0161P00044	PLASTIC-DRAIN PAN
61	20403301	MID PARTITION PANEL
71	0121P00063	TOP, PARTITION PANEL PNT
81	0121P00197	SEAL-L SIDE PTC
91	0121P00198	SEAL-R SIDE PTC
101	0121P00071	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
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
251	0130P00115	CORD,250VAC,20A (LCD) (M1)
251	0130P00118	CORD,250VAC,30A (LCD) (M2)
NS	0130P00109	MEMBRANE (CONTROL)

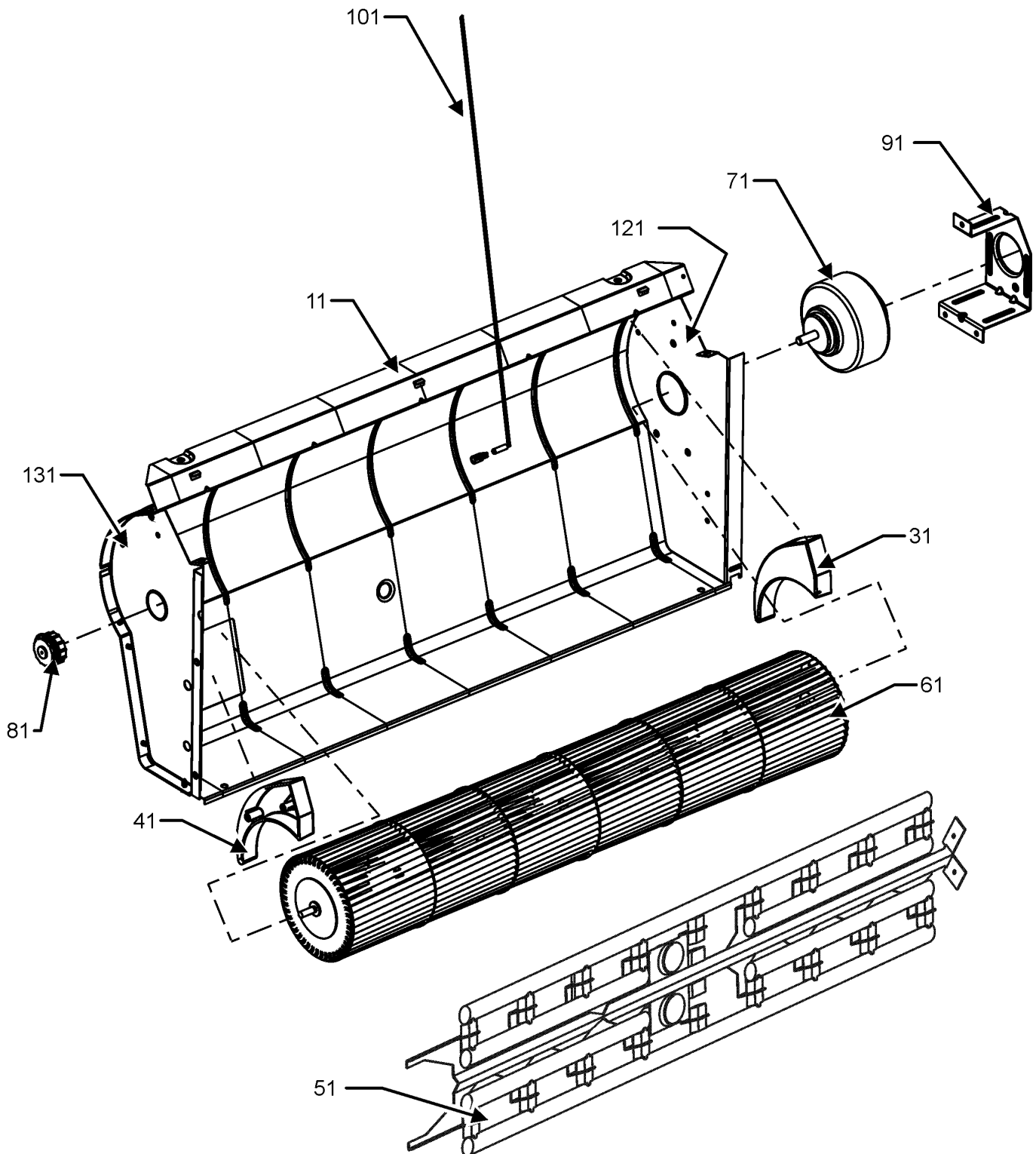
Expanded Model Nomenclature

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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	0275P00038	HEATER ASSY (M1)
51	0275P00039	HEATER ASSY (M2)
61	0150P00004	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

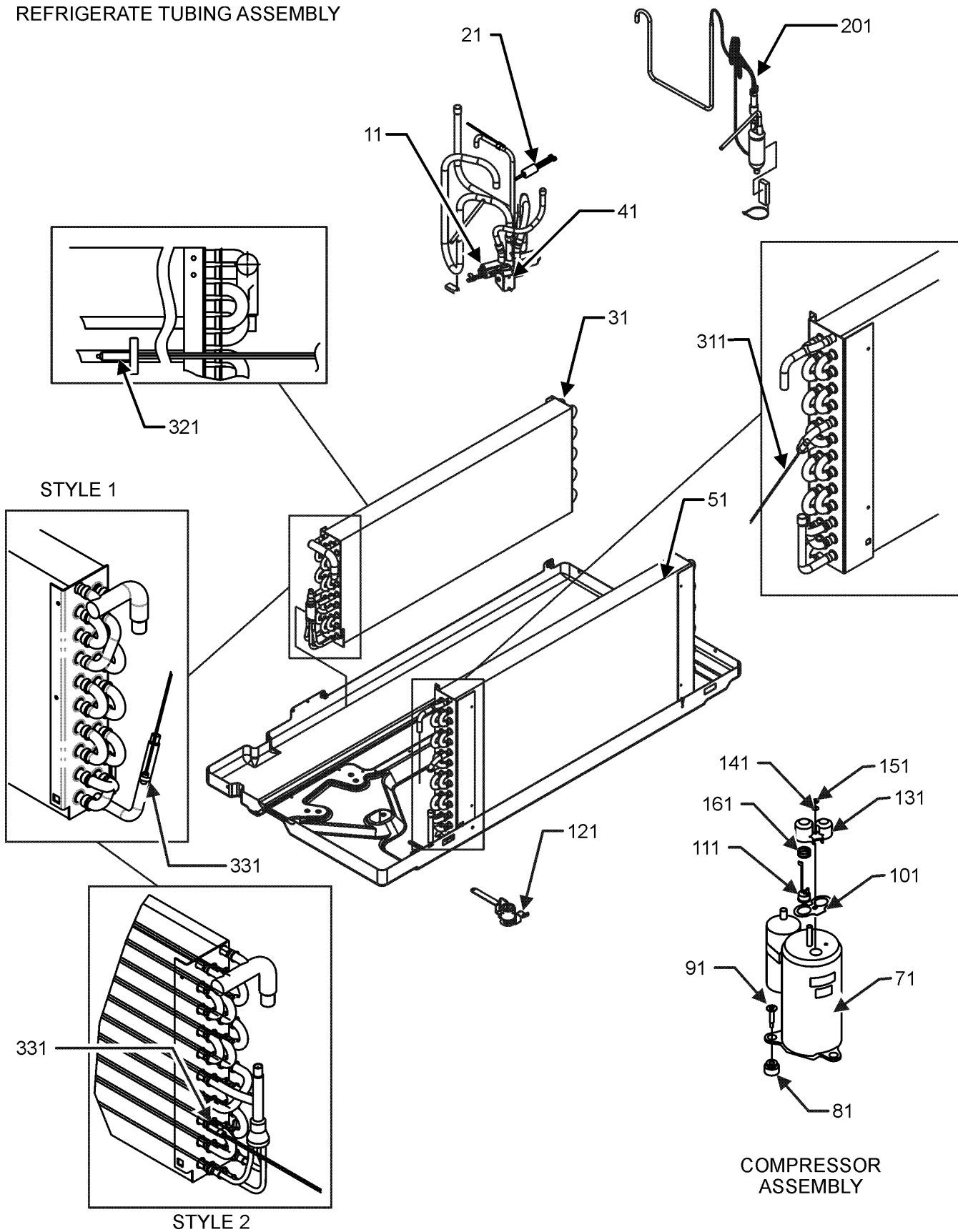
Expanded Model Nomenclature

M1 - HEH153H35AXXXCA

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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	0201P00079		CONDENSER ASSY
71	50A362QM-9GKG		COMPRESSOR, RECHI
81	60140209		GROMMET - RECHI COMPRESSOR (QTY 3)
91	M0253610		SHOULDER SCREW (QTY 3)
101	60100103		TERMINAL GASKET
111	60343546		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	0210P00152		CAPILLARY WELDMENT
311	0130P00093		THERMISTOR, .375 CLIP, BLUE
321	0130P00074		THERMISTOR
331	0130P00086		THERMISTOR - INDOOR COIL

Expanded Model Nomenclature

M1 - HEH153H35AXXXCA

M2 - HEH153H50AXXXCA