

HEC123H High Efficient Package Terminal Air Conditioner

HEC123H00AXXXDA
HEC123H00CXXXDA
HEC123H00DHRXDA
HEC123H00DHXXDA
HEC123H00H1XXDA
HEC123H00HRXXDA
HEC123H00HVXXDA
HEC123H00HXXXDA
HEC123H00RXXXDA
HEC123H25AXXXDA
HEC123H25CXXXDA
HEC123H25DRXXDA
HEC123H25DXXXDA
HEC123H25QRXXDA
HEC123H25QXXXDA
HEC123H25RXXXDA
HEC123H25VXXXDA
HEC123H35AXXXDA
HEC123H35CXXXDA
HEC123H35DXXXDA
HEC123H35QRXXDA
HEC123H35QXXXDA
HEC123H35RXXXDA
HEC123H35VXXXDA
HEC123H50AXXXDA
HEC123H50CXXXDA
HEC123H50DRXXDA
HEC123H50DXXXDA



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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:

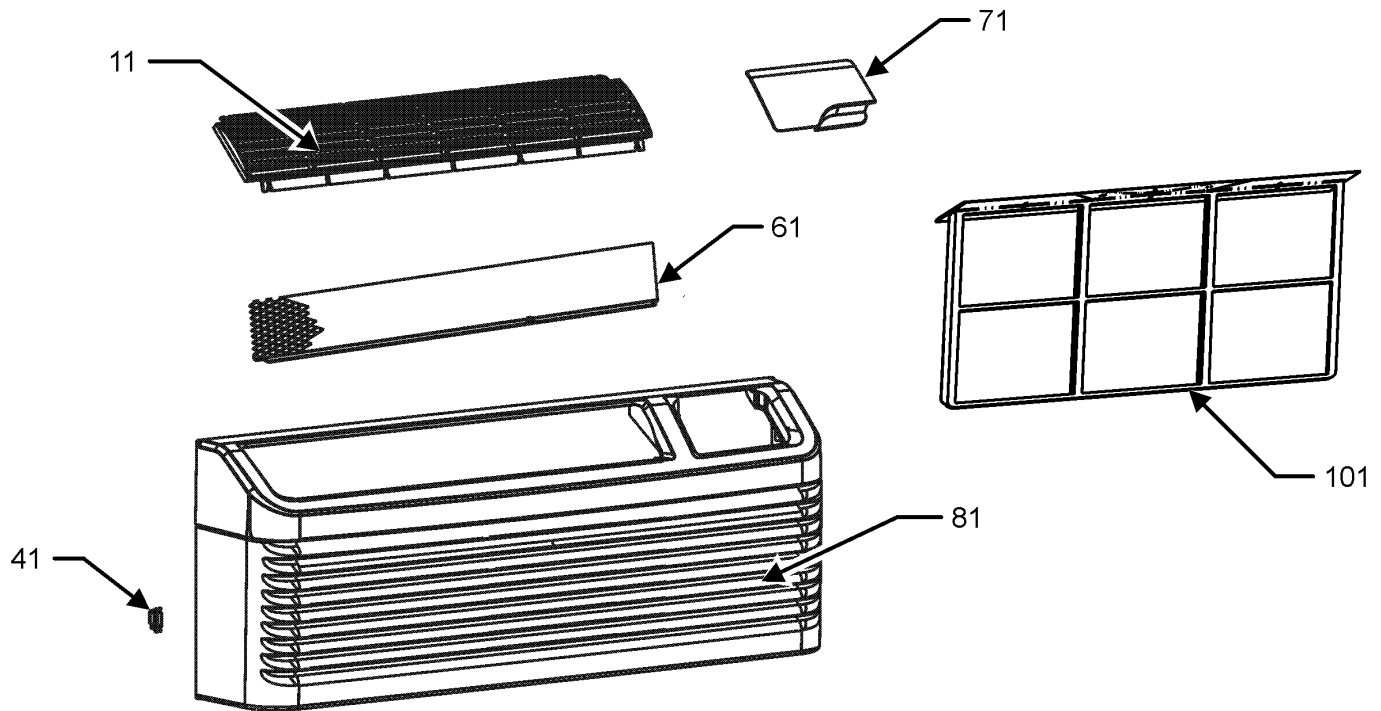
CAP020300450CS	CAPACITOR 2/30/450V/DUAL RD
CAP020000440RP	CAPACITOR 2/440V
44A262BM&JEKD	COMPRESSOR, RECHI
RSKP0012	CONTROL BOARD M70
0130P00112	CORD,250VAC,15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17)
0130P00115	CORD,250VAC,20A (LCD) (M18, M19, M20, M21, M22, M23, M24)
0130P00118	CORD,250VAC,30A (LCD) (M25, M26, M27, M28)
0131P00036	FAN MOTOR, INDOOR (M3, M4, M5, M6, M7, M8, M25, M26, M27, M28)
0131P00035	FAN MOTOR, INDOOR (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
0131P00030	FAN MOTOR, OUTDOOR DC
0161P00055	FAN, CONDENSER
0275P00039	HEATER ASSY (M25, M26, M27, M28)
0275P00038	HEATER ASSY (M18, M19, M20, M21, M22, M23, M24)
0275P00019	HEATER ASSY (M10, M11, M12, M13, M14, M15, M16, M17)
RSKP0015	MEMBRANE KIT
0130P00137	MOTOR (M3, M4, M6, M12, M13, M17, M20, M24, M27, M28)
60343526	OVERLOAD PROTECTOR
PCBCP140	PCB, CONTROL, D70 (M3, M4, M6, M12, M13, M17, M20, M24, M27, M28)
0130M00181	SPDT RELAY (M3, M4, M5, M6, M7, M8)
0130M00169	SWITCH, HIGH PRESS
802007090	TERM BOARD
0130P00073	THERMISTOR
0130P00094	THERMISTOR (M3, M5, M9, M12, M14, M16, M21, M23, M27)
0130P00134	THERMISTOR - DISCHARGE
0130P00077	THERMISTOR - INDOOR (M3, M5, M9, M12, M14, M16, M21, M23, M27)
0130P00084	THERMISTOR - INDOOR COIL
0130P00098	THERMISTOR - OUTDOOR AMBIENT (M3, M5, M9, M12, M14, M16, M21, M23, M27)
0130M00329	TRANSFORMER 20VA 60HZ (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (M12, M13, M17, M20, M24, M27, M28)
0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (M3, M4, M5, M6, M7, M8)
PCBEP101	VARIABLE SPEED TERMINAL BOARD

Expanded Model Nomenclature

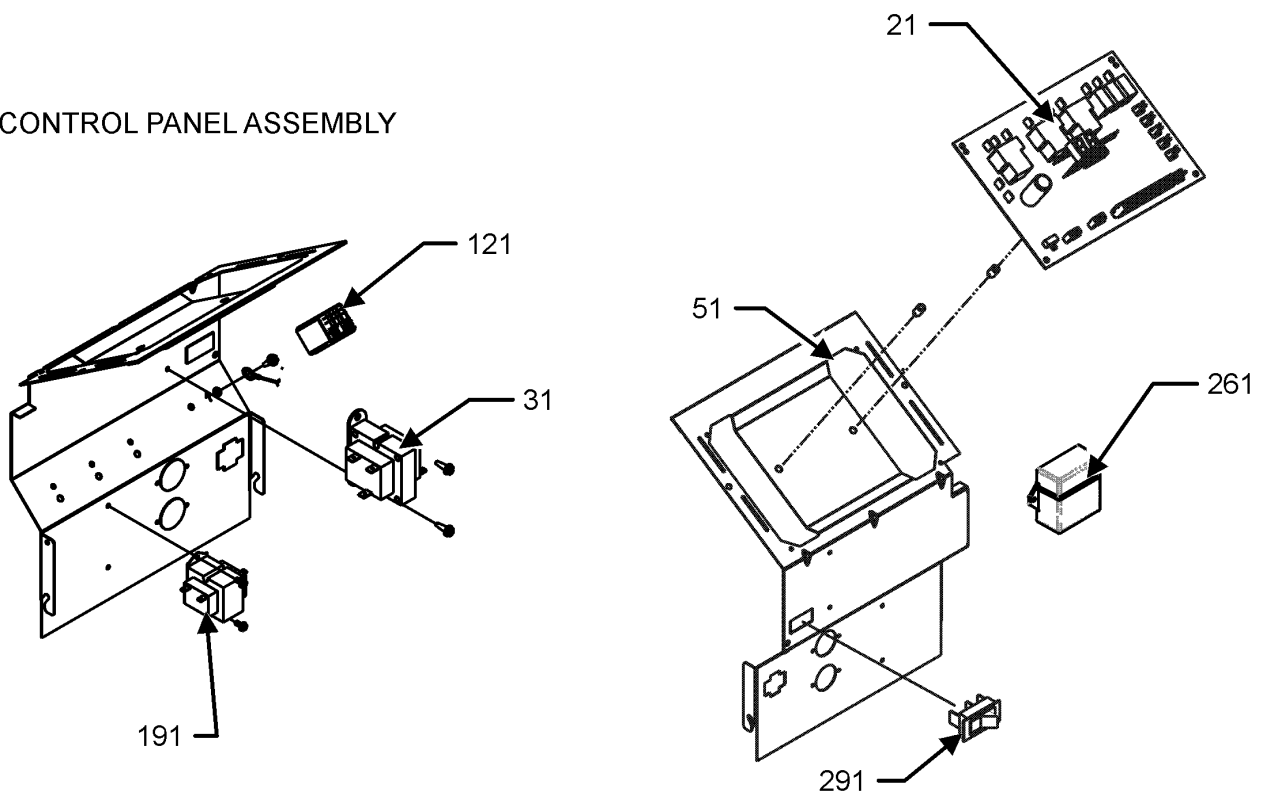
M1 - HEC123H00AXXXDA
M2 - HEC123H00CXXXDA
M3 - HEC123H00DHRXXDA
M4 - HEC123H00DHXXDA
M5 - HEC123H00HRXXDA
M6 - HEC123H00HVXXDA
M7 - HEC123H00HXXXDA
M8 - HEC123H00H1XXDA
M9 - HEC123H00RXXXDA
M10 - HEC123H25AXXXDA
M11 - HEC123H25CXXXDA
M12 - HEC123H25DRXXDA
M13 - HEC123H25DXXXDA
M14 - HEC123H25QRXXDA
M15 - HEC123H25QXXXDA
M16 - HEC123H25RXXXDA
M17 - HEC123H25VXXXDA
M18 - HEC123H35AXXXDA
M19 - HEC123H35CXXXDA
M20 - HEC123H35DXXXDA
M21 - HEC123H35QRXXDA
M22 - HEC123H35QXXXDA
M23 - HEC123H35RXXXDA
M24 - HEC123H35VXXXDA
M25 - HEC123H50AXXXDA
M26 - HEC123H50CXXXDA
M27 - HEC123H50DRXXDA
M28 - HEC123H50DXXXDA

Front Panel and Control Panel Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY

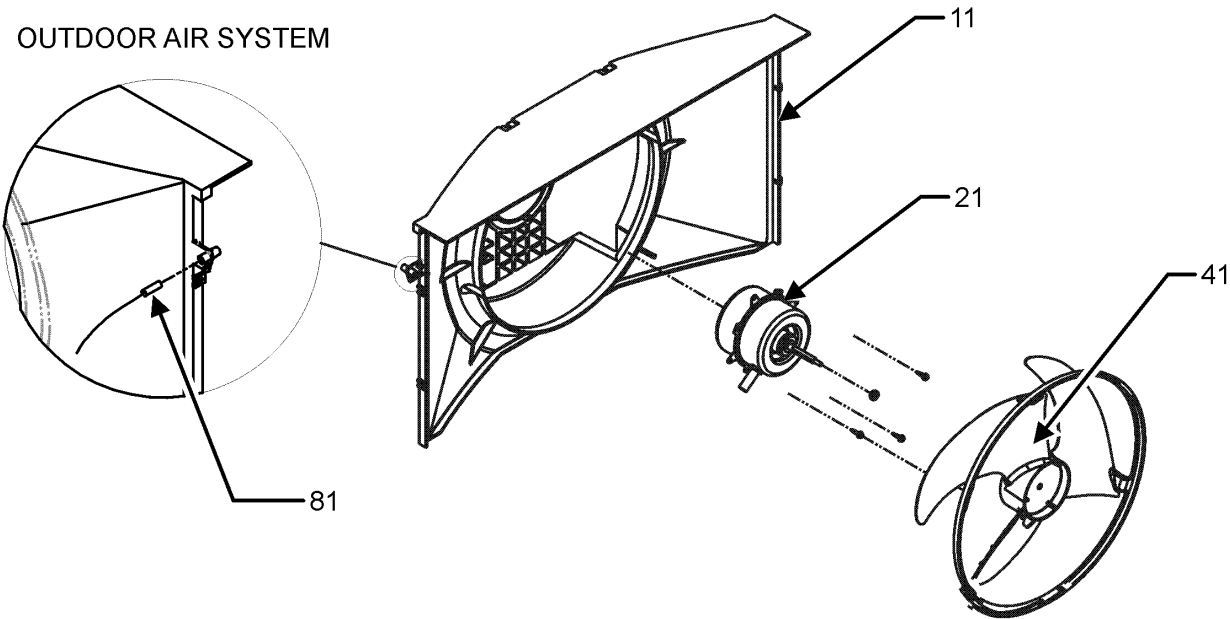


Front Panel and Control Panel Assembly

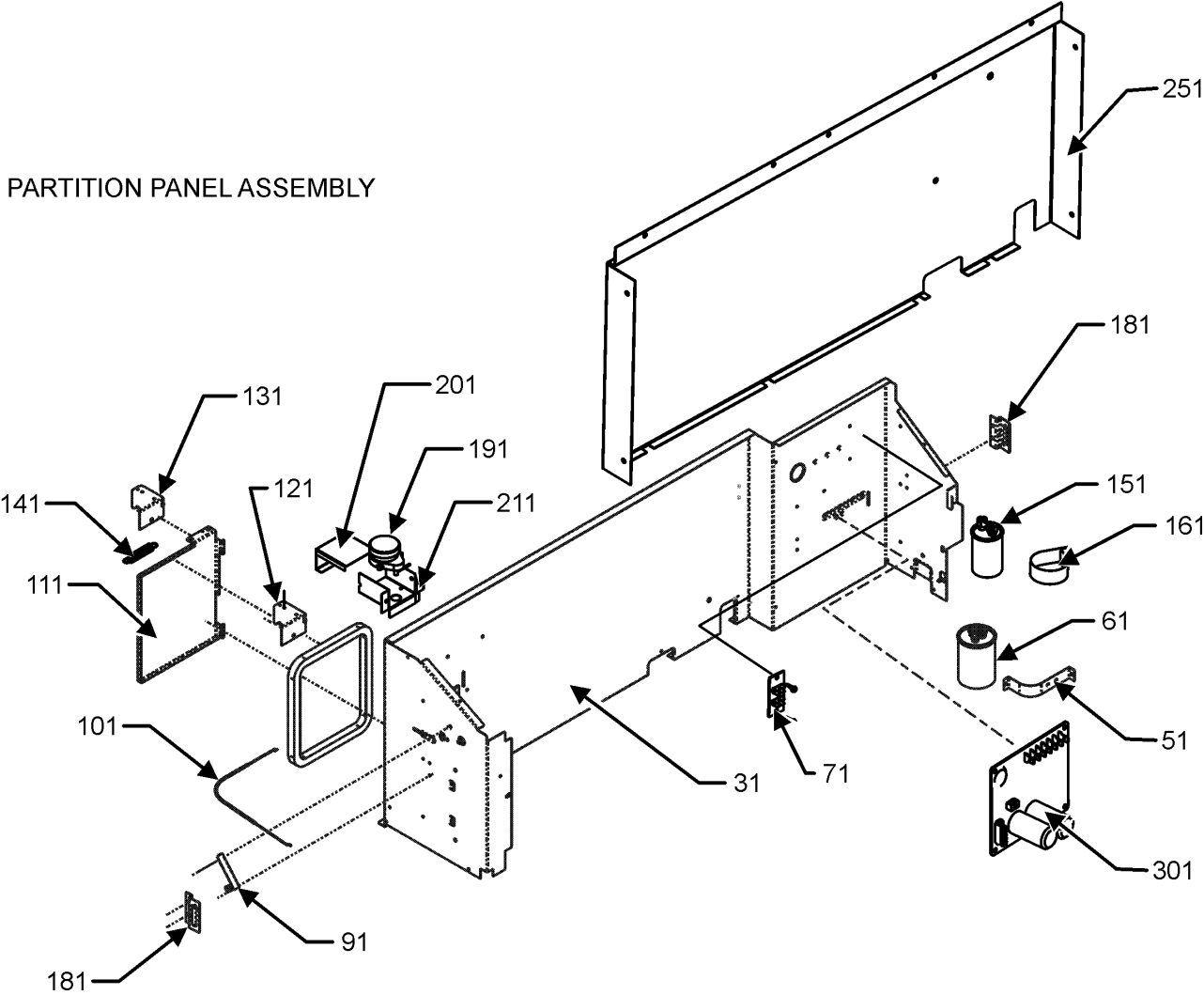
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00048	FRONT-DICHARGE LOUVERS (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	M1 - HEC123H00AXXXDA M2 - HEC123H00CXXXDA M3 - HEC123H00DHRXXDA M4 - HEC123H00DHXXXDA M5 - HEC123H00HRXXDA M6 - HEC123H00HVXXDA M7 - HEC123H00HXXXDA M8 - HEC123H00H1XXDA M9 - HEC123H00RXXXDA M10 - HEC123H25AXXXDA M11 - HEC123H25CXXXDA M12 - HEC123H25DRXXDA M13 - HEC123H25DXXXDA M14 - HEC123H25QRXXDA M15 - HEC123H25QXXXDA M16 - HEC123H25RXXXDA M17 - HEC123H25VXXXDA M18 - HEC123H35AXXXDA M19 - HEC123H35CXXXDA M20 - HEC123H35DXXXDA M21 - HEC123H35QRXXDA M22 - HEC123H35QXXXDA M23 - HEC123H35RXXXDA M24 - HEC123H35VXXXDA M25 - HEC123H50AXXXDA M26 - HEC123H50CXXXDA M27 - HEC123H50DRXXDA M28 - HEC123H50DXXXDA
21	RSKP0012	CONTROL BOARD M70	
31	0130M00329	TRANSFORMER 20VA 60HZ (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	
31	0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (M3, M4, M5, M6, M7, M8)	
41	0163P00025	CLIP (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	
51	0121P00130	PANEL, CONTROL	
61	0121P00073	SCREEN, DISCHARGE (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	
71	0261P00003	DOOR ASSY -AMANA- (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	
81	0261P00011	FRONT ASSY (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	
101	0161P00035	FILTER, RACK (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	
121	0130M00181	SPDT RELAY (M3, M4, M5, M6, M7, M8)	
191	0130M00149	TRANSFORMER 240V/208V TO 24V, 40VA (M12, M13, M17, M20, M24, M27, M28)	
261	0130P00104	ANTENNA (DIGITENNA) (M3, M5, M9, M12, M14, M16, M21, M23, M27)	
291	B1337701	PADDLE SWITCH (M3, M4, M6, M12, M13, M17, M20, M24, M27, M28)	
NS	PCBCP140	PCB, CONTROL, D70 (M3, M4, M6, M12, M13, M17, M20, M24, M27, M28)	

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:

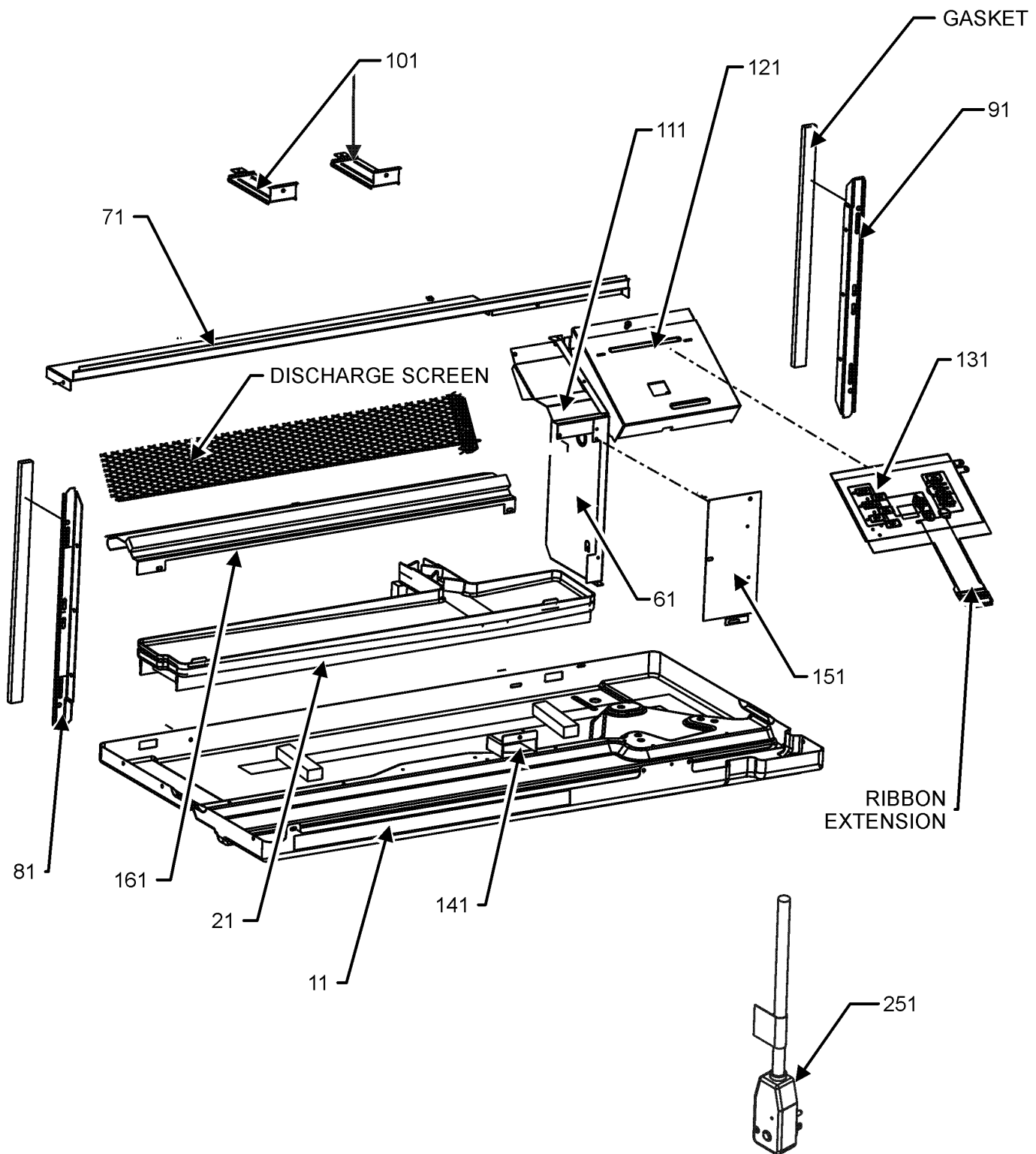
11	0161P00053	SHROUD, CONDENSOR
21	0131P00030	FAN MOTOR, OUTDOOR DC
31	0121P00093	PANEL-PARTITION (M14, M15, M21, M22)
31	0121P00108NG	PANEL-PARTITION (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M16, M17, M18, M19, M20, M23, M24, M25, M26, M27, M28)
41	0161P00055	FAN, CONDENSER
51	C6300502	CAPACITOR STRAP
61	CAP020300450CS	CAPACITOR 2/30/450V/DUAL RD
71	802007090	TERM BOARD
81	0130P00098	THERMISTOR - OUTDOOR AMBIENT (M3, M5, M9, M12, M14, M16, M21, M23, M27)
91	11046302	LEVER ARM (M1, M2, M5, M7, M8, M9, M10, M11, M16, M18, M19, M23, M25, M26)
101	0163P00019	CABLE (M1, M2, M5, M7, M8, M9, M10, M11, M16, M18, M19, M23, M25, M26)
111	0121P00177NG	DOOR - PNT VENT PTC (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M16, M17, M18, M19, M20, M23, M24, M25, M26)
121	0121P00079	BRACKET, VENT DOOR (M3, M4, M6, M12, M13, M17, M20, M24, M27, M28)
131	0121P00072NG	BRACKET, VENT DOOR-C (M1, M2, M5, M7, M8, M9, M10, M11, M16, M18, M19, M23, M25, M26)
141	11166401	EXTENSION SPRING (M3, M4, M6, M12, M13, M17, M20, M24, M27, M28)
151	CAP020000440RP	CAPACITOR 2/440V
161	0163P00029	CAPACITOR CLAMP
181	11191703	PARTITION PANEL BRACKET (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
191	0130P00137	MOTOR (M3, M4, M6, M12, M13, M17, M20, M24, M27, M28)
201	11166201	POWER VENT COVER BRACKET (M3, M4, M6, M12, M13, M17, M20, M24, M27, M28)
211	11166101	POWER VENT MOTOR BRACKET (M3, M4, M6, M12, M13, M17, M20, M24, M27, M28)
251	0121P00091	PANEL-AUXILLIARY (M14, M15, M21, M22)
301	PCBEP101	VARIABLE SPEED TERMINAL BOARD

Expanded Model Nomenclature

M1 - HEC123H00AXXXDA
M2 - HEC123H00CXXXDA
M3 - HEC123H00DHRXXDA
M4 - HEC123H00DHXXDA
M5 - HEC123H00HRXXDA
M6 - HEC123H00HVXXDA
M7 - HEC123H00HXXDA
M8 - HEC123H00H1XXDA
M9 - HEC123H00RXXXDA
M10 - HEC123H25AXXXDA
M11 - HEC123H25CXXXDA
M12 - HEC123H25DRXXDA
M13 - HEC123H25DXXXDA
M14 - HEC123H25QRXXDA
M15 - HEC123H25QXXXDA
M16 - HEC123H25RXXXDA
M17 - HEC123H25VXXXDA
M18 - HEC123H35AXXXDA
M19 - HEC123H35CXXXDA
M20 - HEC123H35DXXXDA
M21 - HEC123H35QRXXDA
M22 - HEC123H35QXXXDA
M23 - HEC123H35RXXXDA
M24 - HEC123H35VXXXDA
M25 - HEC123H50AXXXDA
M26 - HEC123H50CXXXDA
M27 - HEC123H50DRXXDA
M28 - HEC123H50DXXXDA

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

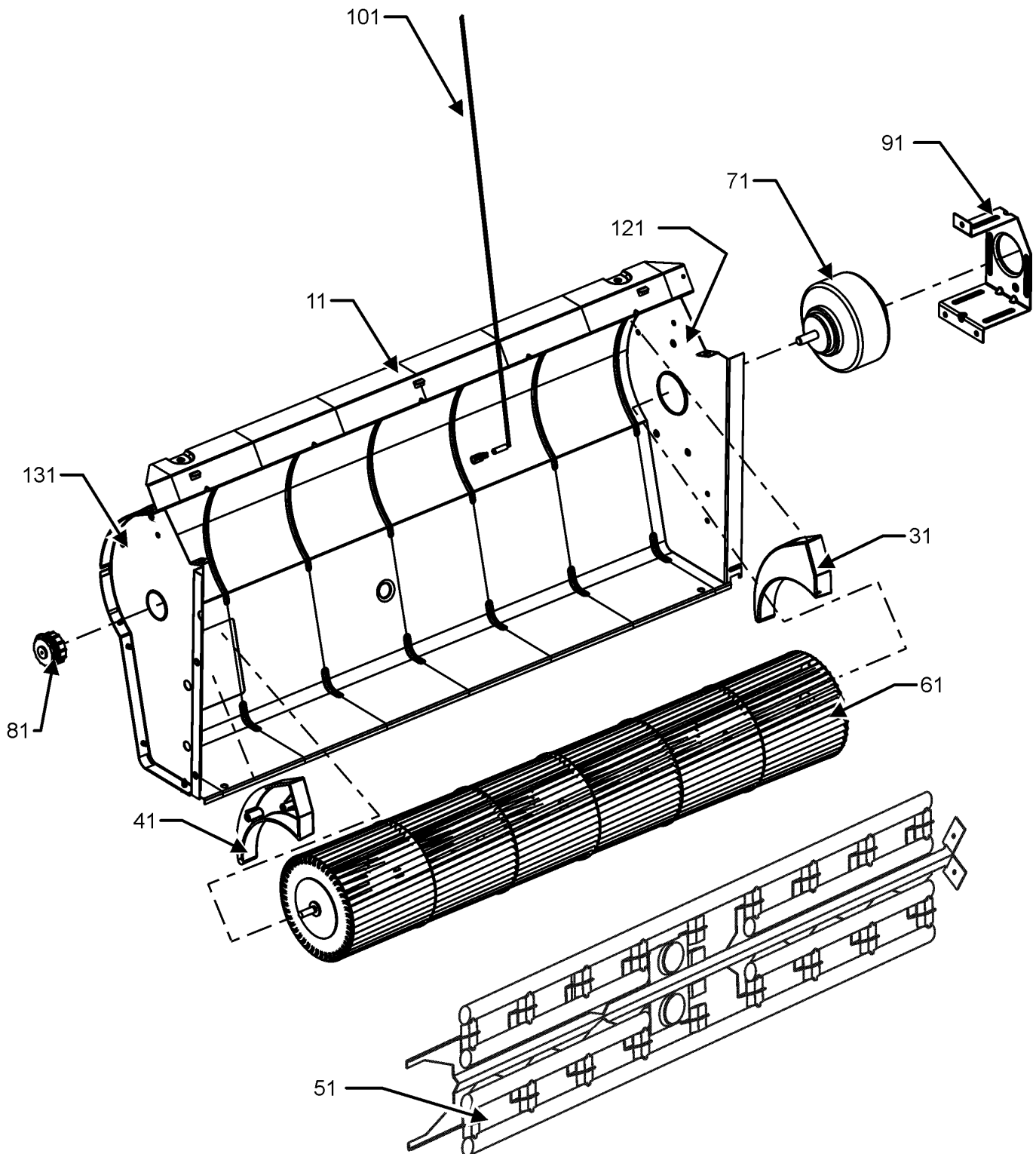
11	0121P00175DG	BASE PAN (M1, M3, M4, M5, M6, M7, M8, M9, M10, M12, M13, M14, M15, M16, M17, M18, M20, M21, M22, M23, M24, M25, M27, M28)
11	0121P00175NG	BASE PAN (M2, M11, M19, M26)
21	0161P00044	PLASTIC-DRAIN PAN
61	20403301	MID PARTITION PANEL
71	0121P00063NG	TOP, PARTITION PANEL
81	0121P00197	SEAL-L 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	MEMBRANE KIT
141	0161P00016	PLASTIC-HOOD (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M16, M17, M18, M19, M20, M23, M24, M25, M26, M27, M28)
151	20410801	ACCESS COVER
161	0121P00061DG	CUTOFF-SCROLL DG
251	0130P00112	CORD,250VAC,15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17)
251	0130P00115	CORD,250VAC,20A (LCD) (M18, M19, M20, M21, M22, M23, M24)
251	0130P00118	CORD,250VAC,30A (LCD) (M25, M26, M27, M28)
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - HEC123H00AXXXDA
M2 - HEC123H00CXXXDA
M3 - HEC123H00DHRXXDA
M4 - HEC123H00DHXXDA
M5 - HEC123H00HRXXDA
M6 - HEC123H00HVXXDA
M7 - HEC123H00HXXXDA
M8 - HEC123H00H1XXDA
M9 - HEC123H00RXXXDA
M10 - HEC123H25AXXXDA
M11 - HEC123H25CXXXDA
M12 - HEC123H25DRXXDA
M13 - HEC123H25DXXXDA
M14 - HEC123H25QRXXDA
M15 - HEC123H25QXXXDA
M16 - HEC123H25RXXXDA
M17 - HEC123H25VXXXDA
M18 - HEC123H35AXXXDA
M19 - HEC123H35CXXXDA
M20 - HEC123H35DXXXDA
M21 - HEC123H35QRXXDA
M22 - HEC123H35QXXXDA
M23 - HEC123H35RXXXDA
M24 - HEC123H35VXXXDA
M25 - HEC123H50AXXXDA
M26 - HEC123H50CXXXDA
M27 - HEC123H50DRXXDA
M28 - HEC123H50DXXXDA

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:

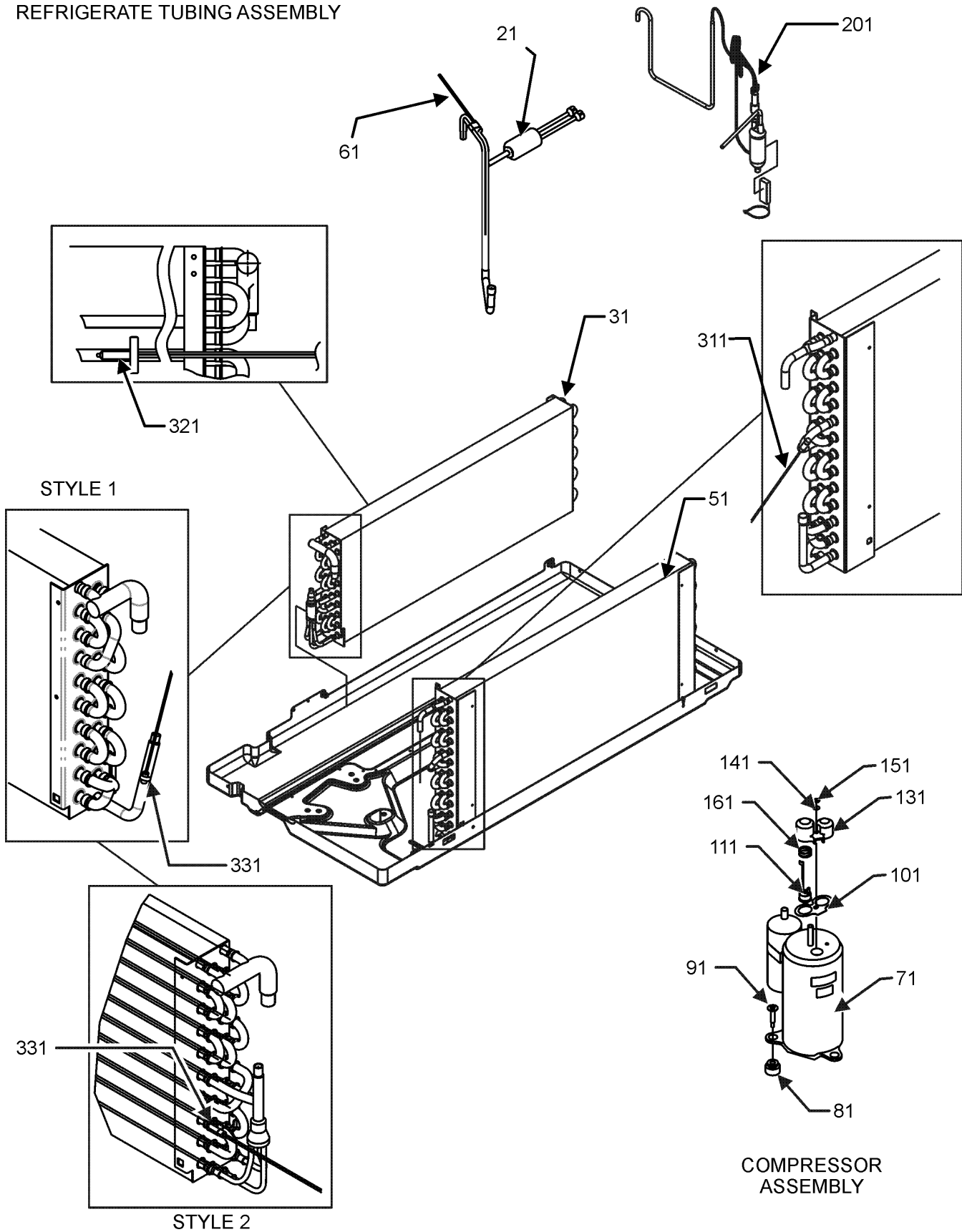
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M10, M11, M12, M13, M14, M15, M16, M17)
51	0275P00038	HEATER ASSY (M18, M19, M20, M21, M22, M23, M24)
51	0275P00039	HEATER ASSY (M25, M26, M27, M28)
61	0150P00004	WHEEL, BLOWER
71	0131P00035	FAN MOTOR, INDOOR (M1, M2, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
71	0131P00036	FAN MOTOR, INDOOR (M3, M4, M5, M6, M7, M8, M25, M26, M27, M28)
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 - HEC123H00AXXXDA
 M2 - HEC123H00CXXXDA
 M3 - HEC123H00DHRXXDA
 M4 - HEC123H00DHXXDA
 M5 - HEC123H00HRXXDA
 M6 - HEC123H00HVXXDA
 M7 - HEC123H00HXXXDA
 M8 - HEC123H00H1XXDA
 M9 - HEC123H00RXXXDA
 M10 - HEC123H25AXXXDA
 M11 - HEC123H25CXXXDA
 M12 - HEC123H25DRXXDA
 M13 - HEC123H25DXXXDA
 M14 - HEC123H25QRXXDA
 M15 - HEC123H25QXXXDA
 M16 - HEC123H25RXXXDA
 M17 - HEC123H25VXXXDA
 M18 - HEC123H35AXXXDA
 M19 - HEC123H35CXXXDA
 M20 - HEC123H35DXXXDA
 M21 - HEC123H35QRXXDA
 M22 - HEC123H35QXXXDA
 M23 - HEC123H35RXXXDA
 M24 - HEC123H35VXXXDA
 M25 - HEC123H50AXXXDA
 M26 - HEC123H50CXXXDA
 M27 - HEC123H50DRXXDA
 M28 - HEC123H50DXXXDA

Refrigerate Tube Assembly

REFRIGERATE TUBING ASSEMBLY



Refrigerate Tube Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

21	0130M00169	SWITCH, HIGH PRESS
31	0202P00067	EVAP ASSY, 3/8, 2 ROW
51	0201P00094	5MM CONDENSER COIL ASSY (M1, M3, M4, M5, M6, M7, M8, M9, M10, M12, M13, M14, M15, M16, M17, M18, M20, M21, M22, M23, M24, M25, M27, M28)
51	0202P00072NG	CONDENSER ASSY PNT (M2, M11, M19, M26)
61	0130P00077	THERMISTOR - INDOOR (M3, M5, M9, M12, M14, M16, M21, M23, M27)
71	44A262BM&JEKD	COMPRESSOR, RECHI
81	60130203	GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163M00079	SCREW, SHOULDER (QTY 3)
101	60100103	TERMINAL GASKET
111	60343526	OVERLOAD PROTECTOR
131	60100314	TERMINAL COVER - RECHI COMP
141	60100201	WASHER - RECHI COMPRESSOR
151	60100401	TERMINAL NUT - RECHI COMP
161	60500101	OLP SPRING - RECHI COMPRESSOR
201	0210P00300	CAPILLARY WELDMENT
311	0130P00094	THERMISTOR (M3, M5, M9, M12, M14, M16, M21, M23, M27)
321	0130P00073	THERMISTOR
331	0130P00084	THERMISTOR - INDOOR COIL

Expanded Model Nomenclature

M1 - HEC123H00AXXXDA
M2 - HEC123H00CXXXDA
M3 - HEC123H00DHRXXDA
M4 - HEC123H00DHXXDA
M5 - HEC123H00HRXXDA
M6 - HEC123H00HVXXDA
M7 - HEC123H00HXXDA
M8 - HEC123H00H1XXDA
M9 - HEC123H00RXXXDA
M10 - HEC123H25AXXXDA
M11 - HEC123H25CXXXDA
M12 - HEC123H25DRXXDA
M13 - HEC123H25DXXXDA
M14 - HEC123H25QRXXDA
M15 - HEC123H25QXXXDA
M16 - HEC123H25RXXXDA
M17 - HEC123H25VXXXDA
M18 - HEC123H35AXXXDA
M19 - HEC123H35CXXXDA
M20 - HEC123H35DXXXDA
M21 - HEC123H35QRXXDA
M22 - HEC123H35QXXXDA
M23 - HEC123H35RXXXDA
M24 - HEC123H35VXXXDA
M25 - HEC123H50AXXXDA
M26 - HEC123H50CXXXDA
M27 - HEC123H50DRXXDA
M28 - HEC123H50DXXXDA