
HEC093H High Efficient Package Terminal Air Conditioner

HEC093H00AXXXGA
HEC093H00DHRXGA
HEC093H00DHXXGA
HEC093H00H1XXGA
HEC093H00HQXXGA
HEC093H00HRXXGA
HEC093H00HVXXGA
HEC093H00HXXXGA
HEC093H00RXXXGA
HEC093H15AXXXGA
HEC093H25AXXXGA
HEC093H25CRXXGA
HEC093H25CXXXGA
HEC093H25DRXXGA
HEC093H25DXXXGA
HEC093H25QRXXGA
HEC093H25QXXXGA
HEC093H25RXXXGA
HEC093H25VXXXGA
HEC093H35AXXXGA
HEC093H35CQXXGA
HEC093H35CRXXGA
HEC093H35CXXXGA
HEC093H35DRXXGA
HEC093H35DXXXGA
HEC093H35LXXXGA
HEC093H35QRXXGA
HEC093H35QXXXGA
HEC093H35RVXXGA
HEC093H35RXXXGA



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.

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

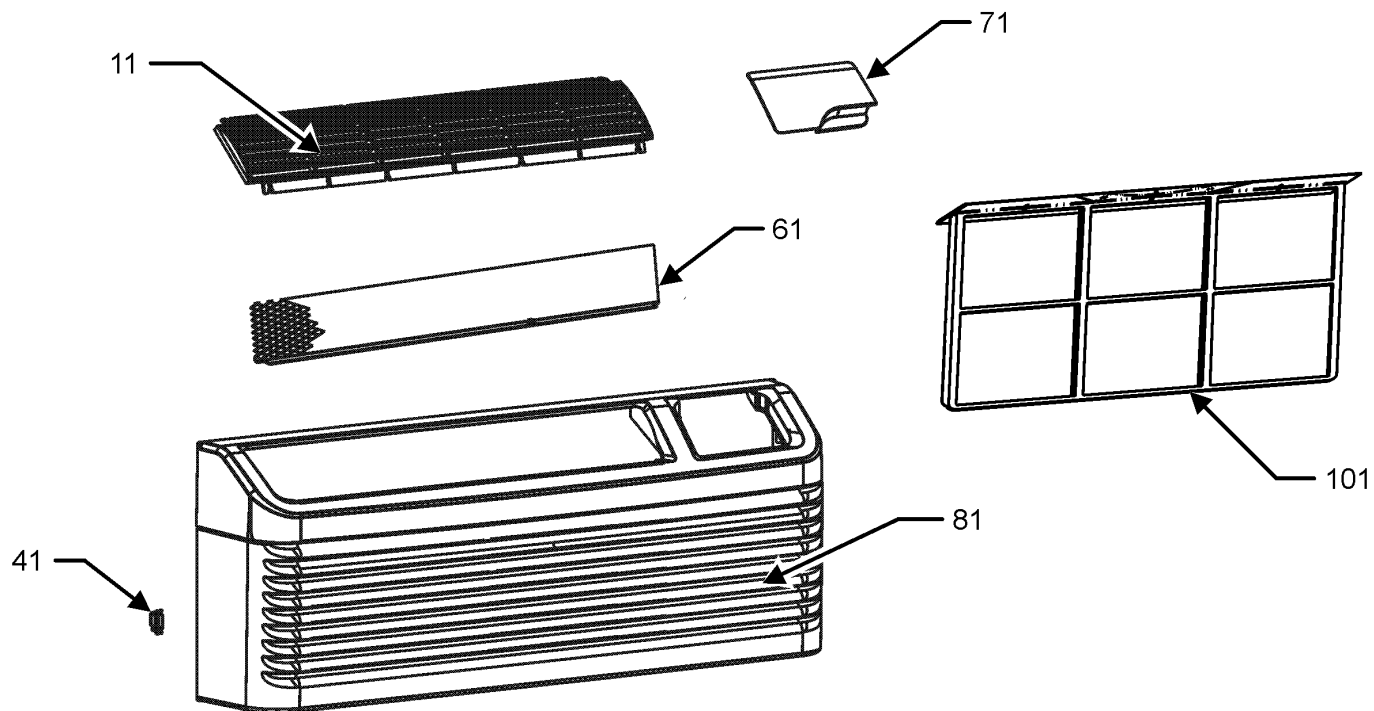
Part

No: **Description:**

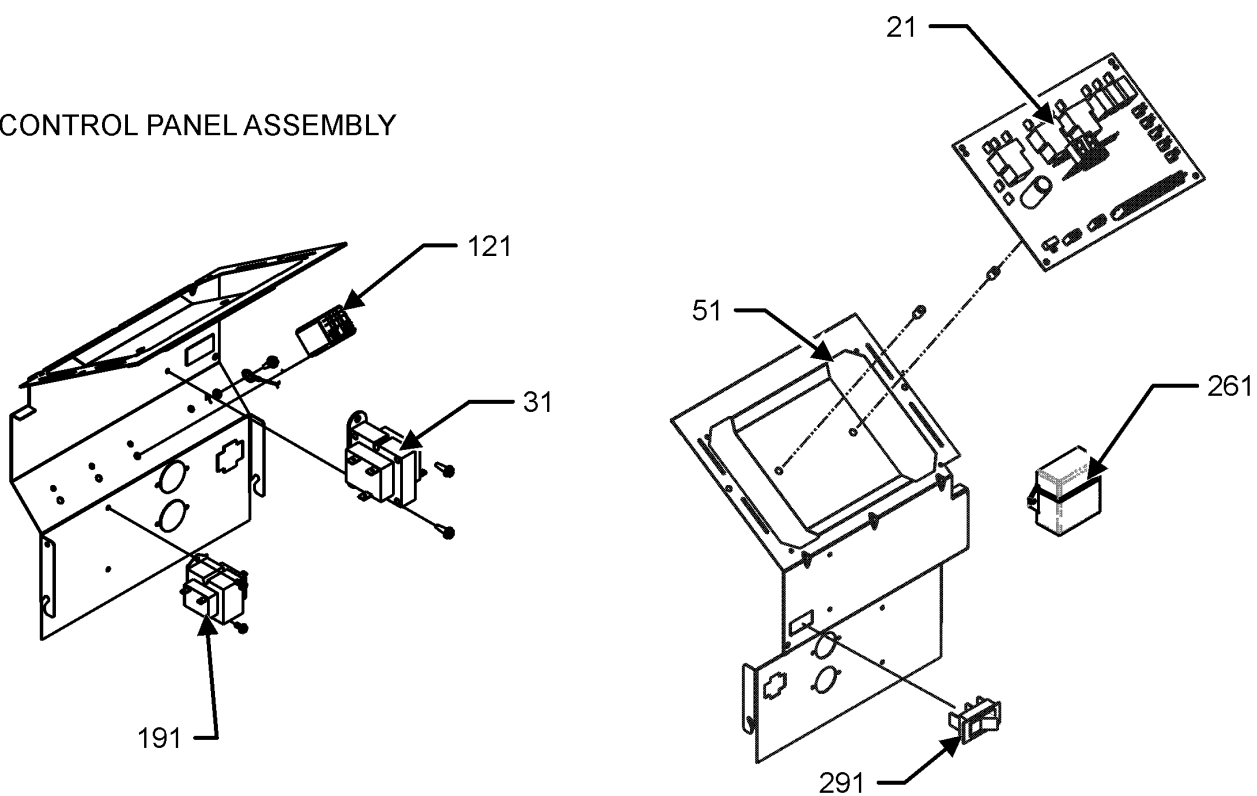
		Expanded Model Nomenclature
CAP020250450CS	CAP, 2/25 MFD/450V/DUAL RD	M1 - HEC093H00AXXXGA
CAP020000440RP	CAPACITOR 2/440V	M2 - HEC093H00DHRXXGA
39B202AD&0JKZ	COMPRESSOR, RECHI	M3 - HEC093H00DHXXGA
RSKP0012	CONTROL BOARD M70	M4 - HEC093H00HQXXGA
0130P00112	CORD,250VAC,15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19)	M5 - HEC093H00HRXXGA
0130P00115	CORD,250VAC,20A (LCD) (M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	M6 - HEC093H00HVXXGA
0131P00035	FAN MOTOR, INDOOR (M1, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	M7 - HEC093H00HXXXGA
0131P00030	FAN MOTOR, OUTDOOR DC	M8 - HEC093H00H1XXGA
0161P00055	FAN, CONDENSER	M9 - HEC093H00RXXXGA
0275P00038	HEATER ASSY (M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	M10 - HEC093H15AXXXGA
0275P00022	HEATER ASSY (M10)	M11 - HEC093H25AXXXGA
0275P00019	HEATER ASSY (M11, M12, M13, M14, M15, M16, M17, M18, M19)	M12 - HEC093H25CRXXGA
0130P00133	HUMIDITY SENSOR (M2, M3, M6, M14, M15, M19, M24, M25, M29)	M13 - HEC093H25CXXXGA
RSKP0015	MEMBRANE KIT	M14 - HEC093H25DRXXGA
0130P00137	MOTOR (M2, M3, M6, M14, M15, M19, M24, M25, M29)	M15 - HEC093H25DXXXGA
60343638	OVERLOAD PROTECTOR-RECHI	M16 - HEC093H25QRXXGA
PCBCP147	PCB, CONTROL, D70 (M2, M3, M6, M14, M15, M19, M24, M25, M26, M29)	M17 - HEC093H25QXXXGA
0130M00181	SPDT RELAY (M2, M3, M4, M5, M6, M7, M8)	M18 - HEC093H25RXXXGA
0130M00169	SWITCH, HIGH PRESS	M19 - HEC093H25VXXXGA
802007090	TERM BOARD	M20 - HEC093H35AXXXGA
0130P00164	THERMISTOR IAT BLACK (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M14, M15, M16, M17, M18, M19, M20, M24, M25, M26, M27, M28, M29, M30)	M21 - HEC093H35CQXXGA
0130P00141	THERMISTOR IAT BLACK (M12, M13, M21, M22, M23)	M22 - HEC093H35CRXXGA
0130P00084	THERMISTOR ICT RED (M12, M13, M21, M22, M23)	M23 - HEC093H35CXXXGA
0130P00165	THERMISTOR ICT RED (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M14, M15, M16, M17, M18, M19, M20, M24, M25, M26, M27, M28, M29, M30)	M24 - HEC093H35DRXXGA
0130P00134	THERMISTOR IDT YELLOW	M25 - HEC093H35DXXXGA
0130P00077	THERMISTOR IHD ORANGE (M2, M5, M9, M12, M14, M16, M18, M22, M24, M27, M29, M30)	M26 - HEC093H35LXXXGA
0130P00098	THERMISTOR OAT GREEN (M2, M3, M5, M6, M9, M12, M14, M16, M18, M22, M24, M27, M29, M30)	M27 - HEC093H35QRXXGA
0130P00094	THERMISTOR OCT BLUE (M2, M5, M9, M12, M14, M16, M18, M22, M24, M27, M29, M30)	M28 - HEC093H35QXXXGA
0130M00599	TRANSFMR,40VA,240V/208V TO 24V (M2, M3, M4, M5, M6, M7, M8, M14, M15, M19, M24, M25, M26, M29)	M29 - HEC093H35RVXXGA
0130M00341	TRANSFORMER 20VA 230V (M1, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M27, M28, M29, M30)	M30 - HEC093H35RXXXGA
PCBEP101	VARIABLE SPEED TERMINAL BOARD	

Front Panel and Control Panel Assembly

FRONT PANEL ASSEMBLY



CONTROL PANEL ASSEMBLY

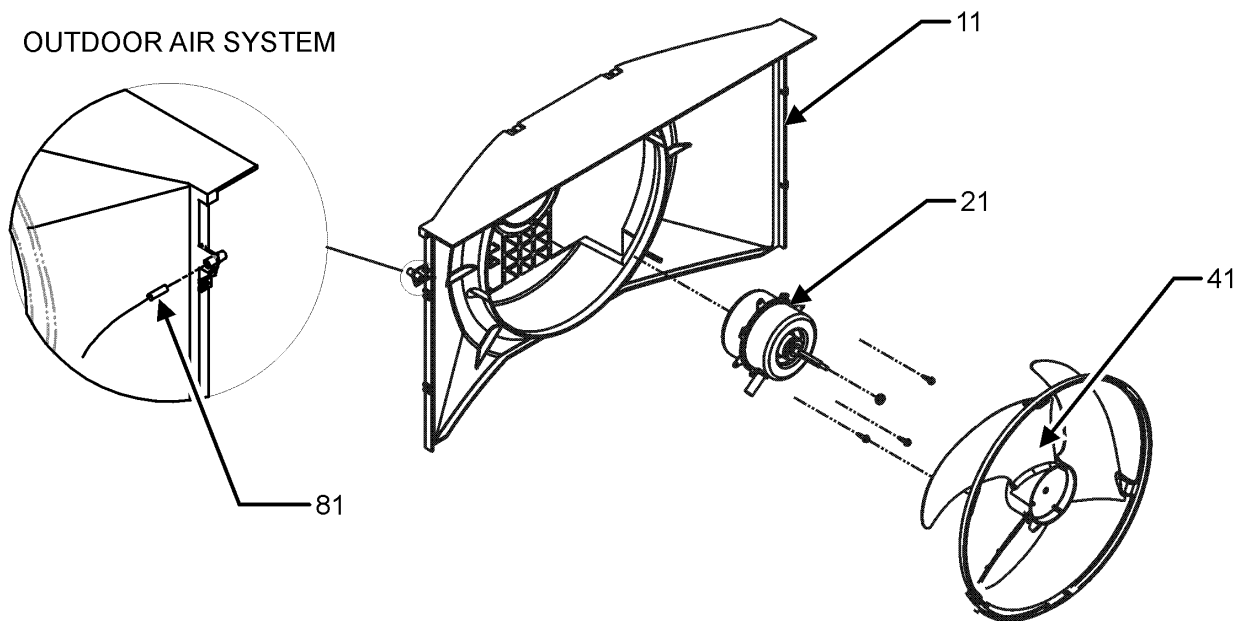


Front Panel and Control Panel Assembly

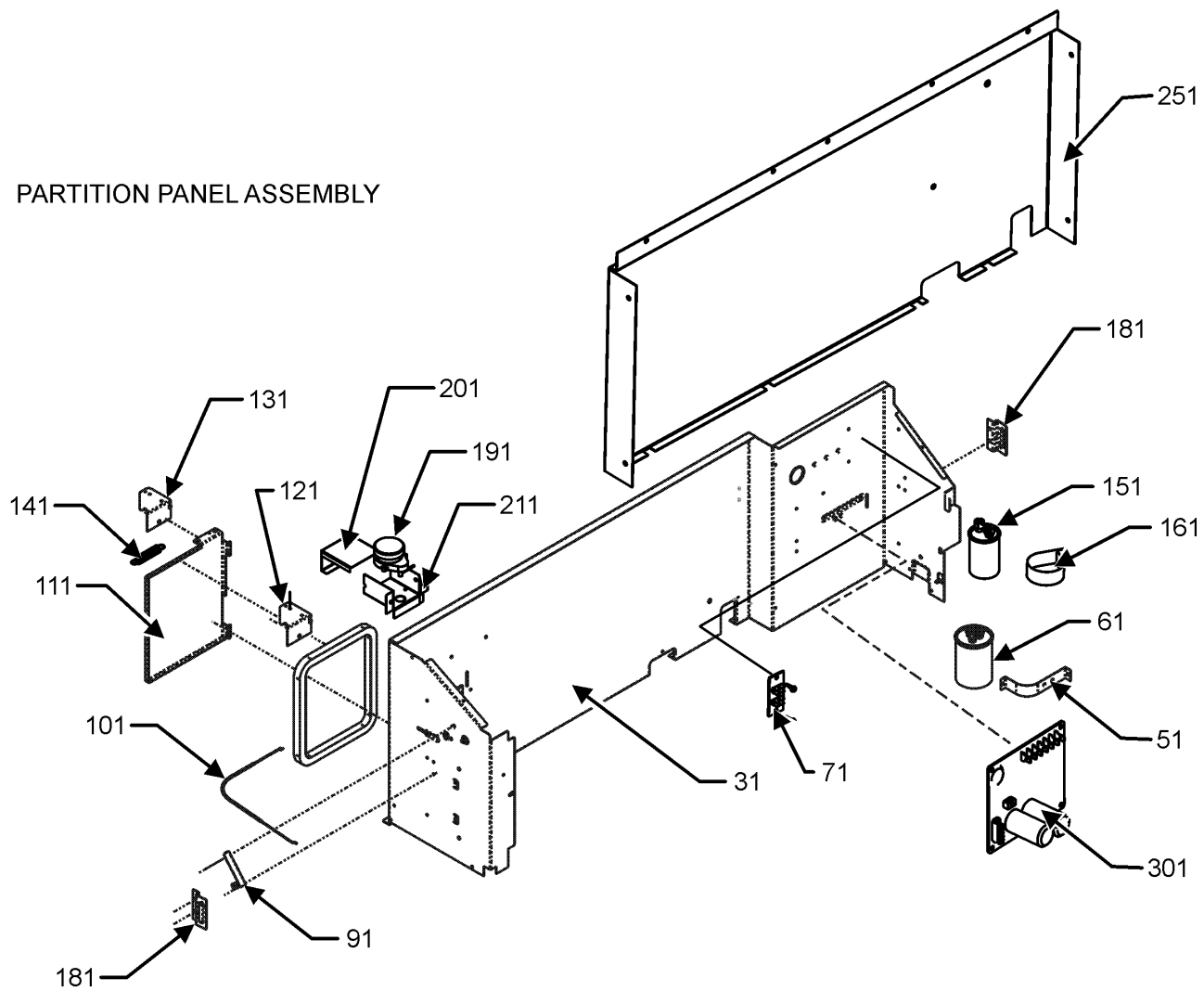
Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00048	FRONT-DICHARGE LOUVERS (M1, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	
21	RSKP0012	CONTROL BOARD M70	
31	0130M00341	TRANSFORMER 20VA 230V (M1, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M27, M28, M29, M30)	
41	0163P00025	CLIP (M1, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	
51	0121P00130	PANEL, CONTROL	
61	0121P00194BL	SCREEN, DISCHARGE, PAINTED (M1, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	
71	0261P00003	DOOR ASSY -AMANA- (M1, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	
81	0261P00011	FRONT ASSY (M1, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	
101	0161P00035	FILTER, RACK (M1, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	
121	0130M00181	SPDT RELAY (M2, M3, M4, M5, M6, M7, M8)	
191	0130M00599	TRANSFMR, 40VA, 240V/208V TO 24V (M2, M3, M4, M5, M6, M7, M8, M14, M15, M19, M24, M25, M26, M29)	
261	0130P00104	ANTENNA (M2, M5, M9, M12, M14, M16, M18, M22, M24, M27, M29, M30)	
291	B1337701	PADDLE SWITCH (M2, M3, M6, M14, M15, M19, M24, M25, M29)	
NS	PCBCP147	PCB, CONTROL, D70 (M2, M3, M6, M14, M15, M19, M24, M25, M26, M29)	
		M1 - HEC093H00AXXXGA M2 - HEC093H00DHRXGA M3 - HEC093H00DHXXGA M4 - HEC093H00HQXXGA M5 - HEC093H00HRXXGA M6 - HEC093H00HVXXGA M7 - HEC093H00HXXXGA M8 - HEC093H00H1XXGA M9 - HEC093H00RXXGA M10 - HEC093H15AXXXGA M11 - HEC093H25AXXXGA M12 - HEC093H25CRXXGA M13 - HEC093H25CXXXGA M14 - HEC093H25DRXXGA M15 - HEC093H25DXXXGA M16 - HEC093H25QRXXGA M17 - HEC093H25QXXXGA M18 - HEC093H25RXXXGA M19 - HEC093H25VXXXGA M20 - HEC093H35AXXXGA M21 - HEC093H35CQXXGA M22 - HEC093H35CRXXGA M23 - HEC093H35CXXXGA M24 - HEC093H35DRXXGA M25 - HEC093H35DXXXGA M26 - HEC093H35LXXXGA M27 - HEC093H35QRXXGA M28 - HEC093H35QXXXGA M29 - HEC093H35RVXXGA M30 - HEC093H35RXXXGA	

Outdoor Air System and Partition Panel

OUTDOOR AIR SYSTEM



PARTITION PANEL ASSEMBLY

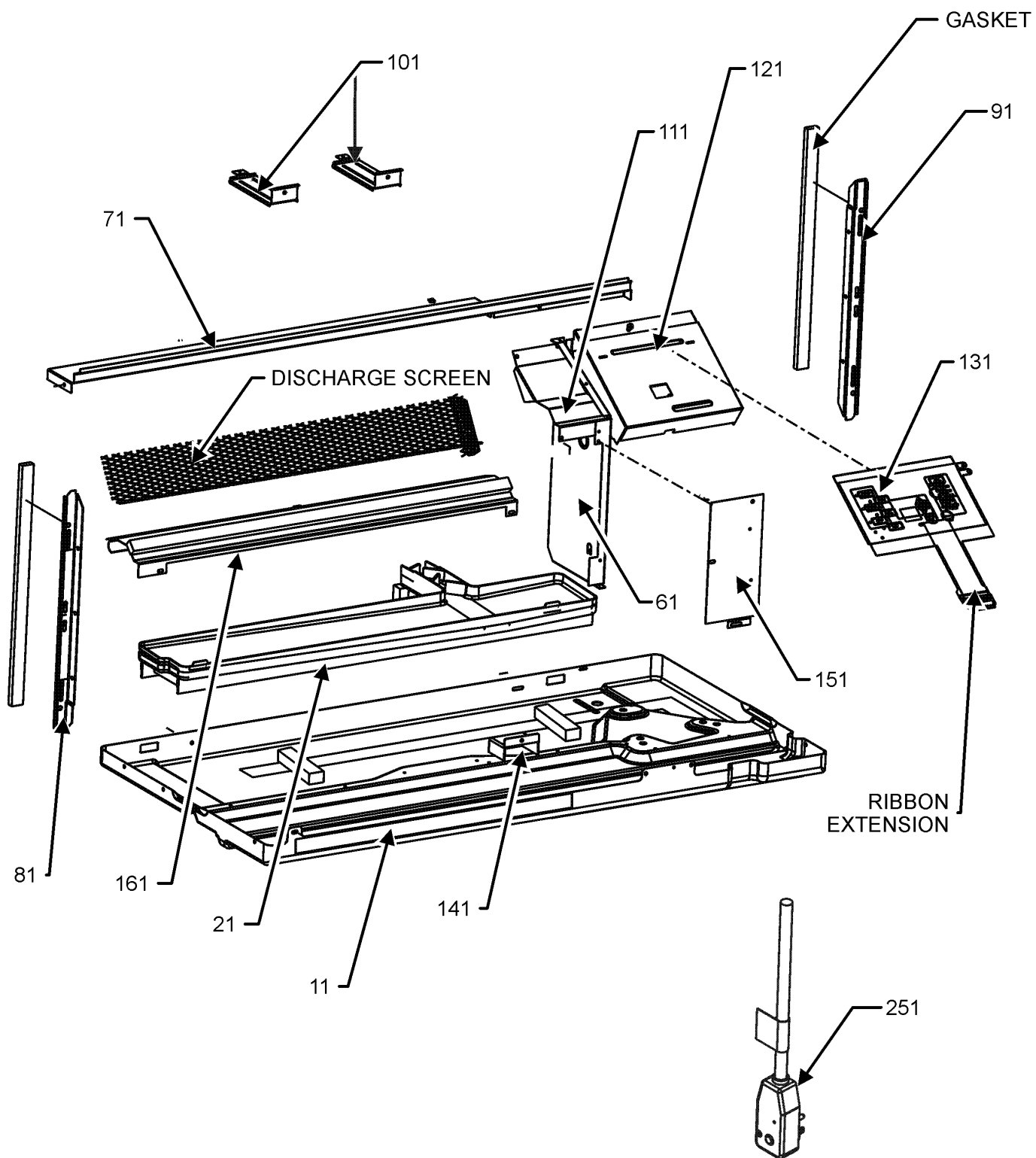


Outdoor Air System and Partition Panel

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0161P00110	CONDENSER SHROUD	M1 - HEC093H00A XXXGA
21	0131P00030	FAN MOTOR, OUTDOOR DC	M2 - HEC093H00DHRXGA
31	0121P00093	PANEL-PARTITION (M4, M16, M17, M27, M28)	M3 - HEC093H00DHXXGA
31	0121P00108NG	PANEL-PARTITION (M1, M2, M3, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M18, M19, M20, M22, M23, M24, M25, M26, M29, M30)	M4 - HEC093H00HQXXGA
41	0161P00055	FAN, CONDENSER	M5 - HEC093H00HRXXGA
51	C6300502	CAPACITOR STRAP	M6 - HEC093H00HVXXGA
61	CAP020250450CS	CAP, 2/25 MFD/450V/DUAL RD	M7 - HEC093H00HXXXGA
71	802007090	TERM BOARD	M8 - HEC093H00H1XXGA
81	0130P00098	THERMISTOR OAT GREEN (M2, M3, M5, M6, M9, M12, M14, M16, M18, M22, M24, M27, M29, M30)	M9 - HEC093H00RXXXGA
91	11046302	LEVER ARM (M1, M5, M7, M8, M9, M10, M11, M12, M13, M18, M20, M22, M23, M26, M30)	M10 - HEC093H15A XXXGA
101	0163P00019	CABLE (M1, M5, M7, M8, M9, M10, M11, M12, M13, M18, M20, M22, M23, M26, M30)	M11 - HEC093H25A XXXGA
111	0121P00177NG	DOOR - PNT VENT PTC (M12, M13, M22, M23)	M12 - HEC093H25CRXXGA
121	0121P00079	BRACKET, VENT DOOR (M2, M3, M6, M14, M15, M19, M24, M25, M29)	M13 - HEC093H25CXXXGA
131	0121P00072NG	BRACKET, VENT DOOR-C (M1, M5, M7, M8, M9, M10, M11, M12, M13, M18, M20, M22, M23, M26, M30)	M14 - HEC093H25DRXXGA
141	11166401	EXTENSION SPRING (M2, M3, M6, M14, M15, M19, M24, M25, M29)	M15 - HEC093H25DXXXGA
151	CAP020000440RP	CAPACITOR 2/440V	M16 - HEC093H25QRXXGA
161	0163P00029	CAPACITOR CLAMP	M17 - HEC093H25QXXXGA
181	11191703	PARTITION PANEL BRACKET (M1, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)	M18 - HEC093H25RXXXGA
191	0130P00137	MOTOR (M2, M3, M6, M14, M15, M19, M24, M25, M29)	M19 - HEC093H25VXXXGA
201	11166201	POWER VENT COVER BRACKET (M2, M3, M6, M14, M15, M19, M24, M25, M29)	M20 - HEC093H35A XXXGA
211	11166101	POWER VENT MOTOR BRACKET (M2, M3, M6, M14, M15, M19, M24, M25, M29)	M21 - HEC093H35CQXXGA
251	0121P00091	PANEL-AUXILIARY (M4, M16, M17, M27, M28)	M22 - HEC093H35CRXXGA
301	PCBEP101	VARIABLE SPEED TERMINAL BOARD	M23 - HEC093H35CXXXGA
NS	0130P00133	HUMIDITY SENSOR (M2, M3, M6, M14, M15, M19, M24, M25, M29)	M24 - HEC093H35DRXXGA
			M25 - HEC093H35DXXXGA
			M26 - HEC093H35LXXXGA
			M27 - HEC093H35QRXXGA
			M28 - HEC093H35QXXXGA
			M29 - HEC093H35RVXXGA
			M30 - HEC093H35RXXXGA

Base Pan Assembly

BASE PAN ASSEMBLY



Base Pan Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

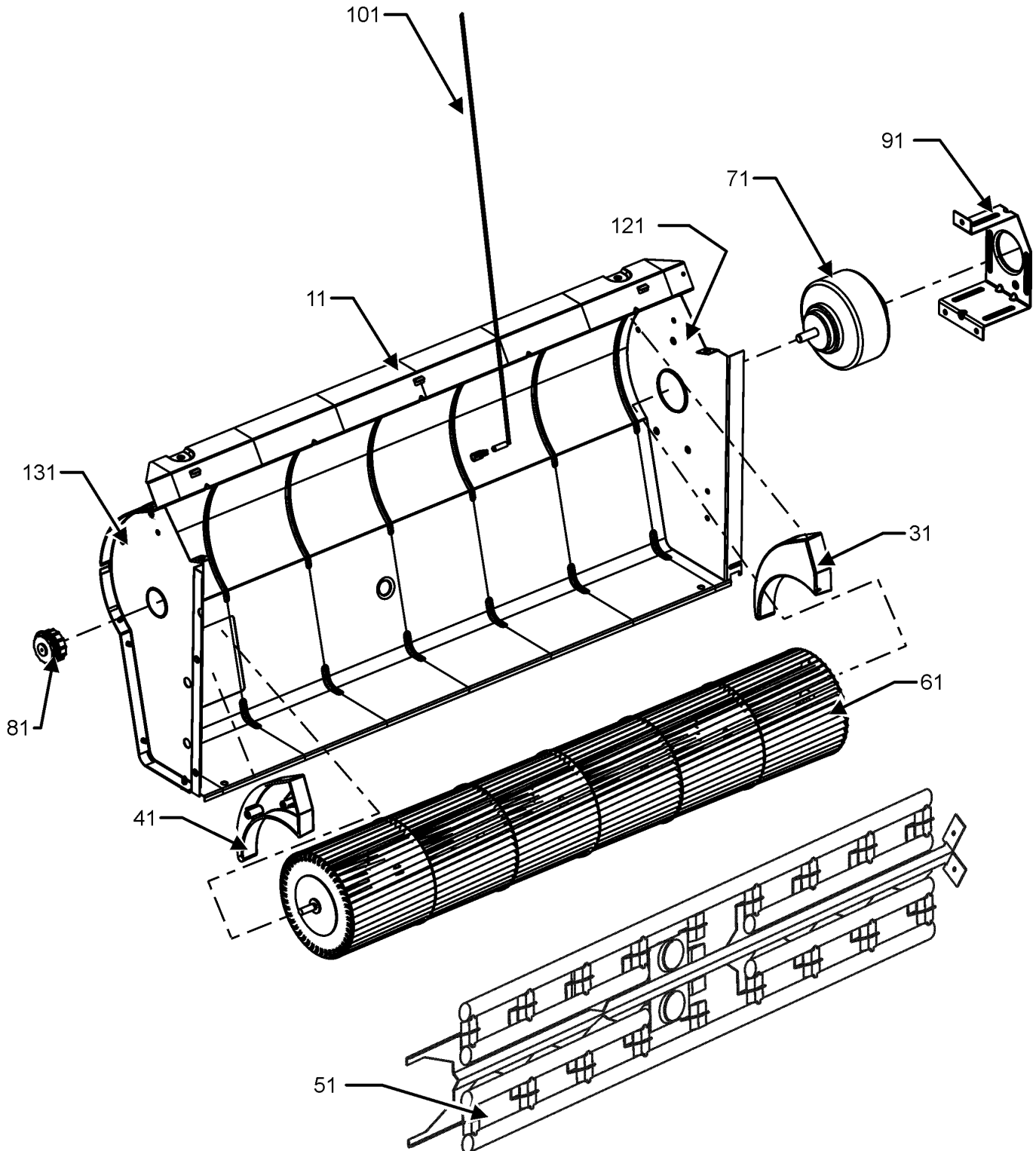
11	0121P00175DG	BASE PAN (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M14, M15, M16, M17, M18, M19, M20, M24, M25, M26, M27, M28, M29, M30)
11	0121P00175NG	BASE PAN (M12, M13, M21, M22, M23)
21	0161P00044	PLASTIC-DRAIN PAN
61	0121P00278	PANEL-MID PTN PTC
71	0121P00063NG	TOP, PARTITION PANEL
81	0121P00197	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	MEMBRANE KIT
141	0161P00016	PLASTIC-HOOD (M1, M2, M3, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M18, M19, M20, M22, M23, M24, M25, M26, M29, M30)
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, M18, M19)
251	0130P00115	CORD,250VAC, 20A (LCD) (M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)
NS	0130P00109	MEMBRANE (CONTROL)

Expanded Model Nomenclature

M1 - HEC093H00A XXXGA
 M2 - HEC093H00DHRXXGA
 M3 - HEC093H00DHXXGA
 M4 - HEC093H00HQXXGA
 M5 - HEC093H00HRXXGA
 M6 - HEC093H00HVXXGA
 M7 - HEC093H00HXXGA
 M8 - HEC093H00H1XXGA
 M9 - HEC093H00RXXGA
 M10 - HEC093H15A XXXGA
 M11 - HEC093H25A XXXGA
 M12 - HEC093H25CRXXGA
 M13 - HEC093H25CXXXGA
 M14 - HEC093H25DRXXGA
 M15 - HEC093H25DXXXGA
 M16 - HEC093H25QRXXGA
 M17 - HEC093H25QXXXGA
 M18 - HEC093H25RXXGA
 M19 - HEC093H25V XXXGA
 M20 - HEC093H35A XXXGA
 M21 - HEC093H35CQXXGA
 M22 - HEC093H35CRXXGA
 M23 - HEC093H35CXXXGA
 M24 - HEC093H35DRXXGA
 M25 - HEC093H35DXXXGA
 M26 - HEC093H35LXXXGA
 M27 - HEC093H35QRXXGA
 M28 - HEC093H35QXXXGA
 M29 - HEC093H35RVXXGA
 M30 - HEC093H35RXXXGA

Indoor Blower Assembly

INDOOR BLOWER ASSEMBLY



Indoor Blower Assembly

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

Image 1:

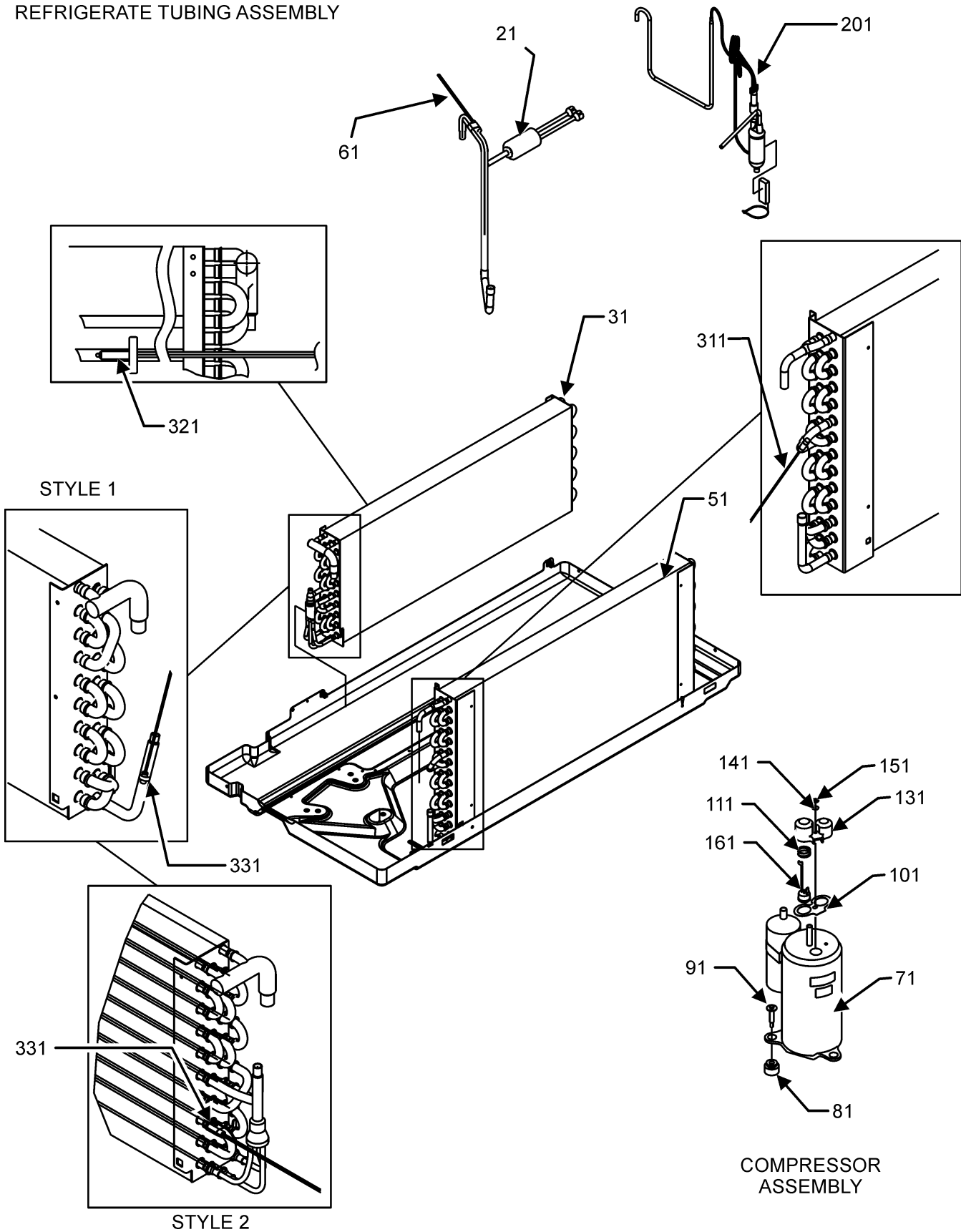
11	0121P00173DG	SCROLL
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00019	HEATER ASSY (M11, M12, M13, M14, M15, M16, M17, M18, M19)
51	0275P00022	HEATER ASSY (M10)
51	0275P00038	HEATER ASSY (M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)
61	0150P00005	WHEEL, BLOWER
71	0131P00035	FAN MOTOR, INDOOR (M1, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30)
81	0163P00027	BEARING
91	0121P00048	BRACKET-MOTOR MOUNT
101	0130P00134	THERMISTOR IDT YELLOW
121	0121P00059DG	ENDPLATE-RH SCROLL
131	0121P00215DG	ENDPLATE- LH SCROLL

Expanded Model Nomenclature

M1 - HEC093H00AXXXGA
 M2 - HEC093H00DHRXXGA
 M3 - HEC093H00DHXXGA
 M4 - HEC093H00HQXXGA
 M5 - HEC093H00HRXXGA
 M6 - HEC093H00HVXXGA
 M7 - HEC093H00HXXXGA
 M8 - HEC093H00H1XXGA
 M9 - HEC093H00RXXXGA
 M10 - HEC093H15AXXXGA
 M11 - HEC093H25AXXXGA
 M12 - HEC093H25CRXXGA
 M13 - HEC093H25CXXXGA
 M14 - HEC093H25DRXXGA
 M15 - HEC093H25DXXXGA
 M16 - HEC093H25QRXXGA
 M17 - HEC093H25QXXXGA
 M18 - HEC093H25RXXXGA
 M19 - HEC093H25VXXXGA
 M20 - HEC093H35AXXXGA
 M21 - HEC093H35CQXXGA
 M22 - HEC093H35CRXXGA
 M23 - HEC093H35CXXXGA
 M24 - HEC093H35DRXXGA
 M25 - HEC093H35DXXXGA
 M26 - HEC093H35LXXXGA
 M27 - HEC093H35QRXXGA
 M28 - HEC093H35QXXXGA
 M29 - HEC093H35RVXXGA
 M30 - HEC093H35RXXXGA

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	0202P00093	7MM EVAP ASSY 2 ROW
51	0201P00130	5MM CONDENSER COIL ASSY (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M14, M15, M16, M17, M18, M19, M20, M24, M25, M26, M27, M28, M29, M30)
51	0202P00096NG	CONDENSER ASSY PAINTED (M12, M13, M21, M22, M23)
61	0130P00077	THERMISTOR IHD ORANGE (M2, M5, M9, M12, M14, M16, M18, M22, M24, M27, M29, M30)
71	39B202AD&0JKZ	COMPRESSOR, RECHI
81	60130203	GROMMET - RECHI COMPRESSOR (QTY 3)
91	0163M00079	SCREW, SHOULDER (QTY 3)
101	60100103	TERMINAL GASKET
111	60343638	OVERLOAD PROTECTOR-RECHI
131	60100314	TERMINAL COVER - RECHI COMP
141	60100201	WASHER - RECHI COMPRESSOR
151	60100401	TERMINAL NUT - RECHI COMP
161	60500101	OLP SPRING - RECHI COMPRESSOR
201	0210P00433	CAPILLARY WELDMENT
311	0130P00094	THERMISTOR OCT BLUE (M2, M5, M9, M12, M14, M16, M18, M22, M24, M27, M29, M30)
321	0130P00141	THERMISTOR IAT BLACK (M12, M13, M21, M22, M23)
321	0130P00164	THERMISTOR IAT BLACK (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M14, M15, M16, M17, M18, M19, M20, M24, M25, M26, M27, M28, M29, M30)
331	0130P00084	THERMISTOR ICT RED (M12, M13, M21, M22, M23)
331	0130P00165	THERMISTOR ICT RED (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M14, M15, M16, M17, M18, M19, M20, M24, M25, M26, M27, M28, M29, M30)

Expanded Model Nomenclature

M1 - HEC093H00AXXXGA
M2 - HEC093H00DHRXGA
M3 - HEC093H00DHXXGA
M4 - HEC093H00HQXXGA
M5 - HEC093H00HRXXGA
M6 - HEC093H00HVXXGA
M7 - HEC093H00HXXGA
M8 - HEC093H00H1XXGA
M9 - HEC093H00RXXGA
M10 - HEC093H15AXXXGA
M11 - HEC093H25AXXXGA
M12 - HEC093H25CRXXGA
M13 - HEC093H25CXXGA
M14 - HEC093H25DRXXGA
M15 - HEC093H25DXXGA
M16 - HEC093H25QRXXGA
M17 - HEC093H25QXXGA
M18 - HEC093H25RXXGA
M19 - HEC093H25VXXGA
M20 - HEC093H35AXXXGA
M21 - HEC093H35CQXXGA
M22 - HEC093H35CRXXGA
M23 - HEC093H35CXXGA
M24 - HEC093H35DRXXGA
M25 - HEC093H35DXXGA
M26 - HEC093H35LXXGA
M27 - HEC093H35QRXXGA
M28 - HEC093H35QXXGA
M29 - HEC093H35RVXXGA
M30 - HEC093H35RXXGA