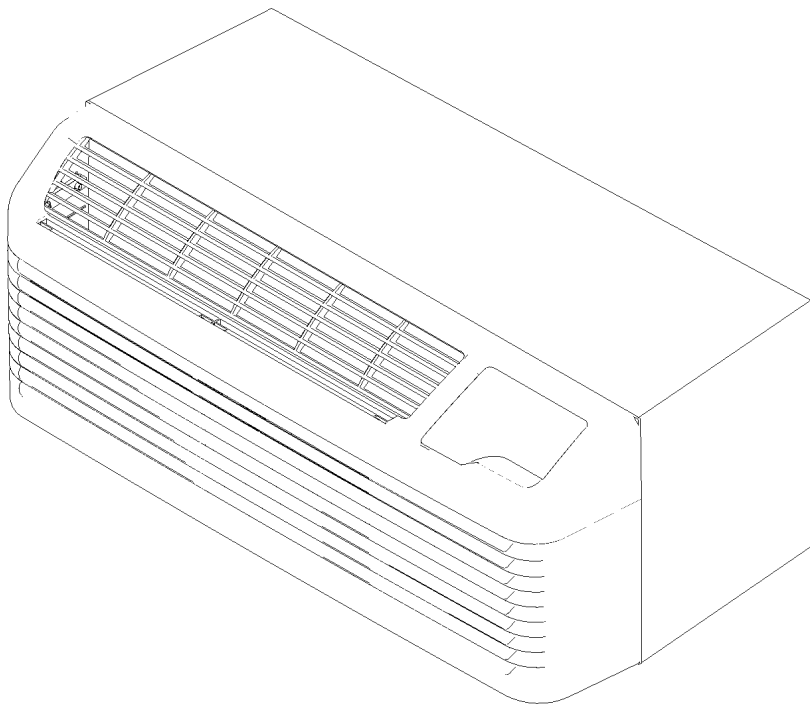


PTH073G Package Terminal Heat Pump

PTH073G15AXXXAA
PTH073G15DXXXAA
PTH073G25AXXXAA
PTH073G25CQXXAA
PTH073G25CRXXAA
PTH073G25CXXXAA
PTH073G25DRXXAA
PTH073G25DXXXAA
PTH073G25PXXXAA
PTH073G25QXXXAA
PTH073G25RXXXAA
PTH073G25VXXXAA
PTH073G35AXXXAA
PTH073G35CQXXAA
PTH073G35CXXXAA
PTH073G35DXXXAA
PTH073G35PXXXAA
PTH073G35QRXXAA
PTH073G35QXXXAA
PTH073G35RXXXAA
PTH073G35VXXXAA



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This manual is to be used by qualified technicians only.

This manual replaces RP-731A.

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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:

Consumer Affairs Department

Goodman Company, L.P.

7401 Security Way

Houston, Texas 77040

877-254-4729-Telephone

713-863-2382-Facsimile

For assistance outside the U.S.A. contact:

International Division

Goodman Company, L.P.

7401 Security Way

Houston, Texas 77040

713-861-2500-Telephone

713-863-2382-Facsimile

Functional Parts

Part

No:

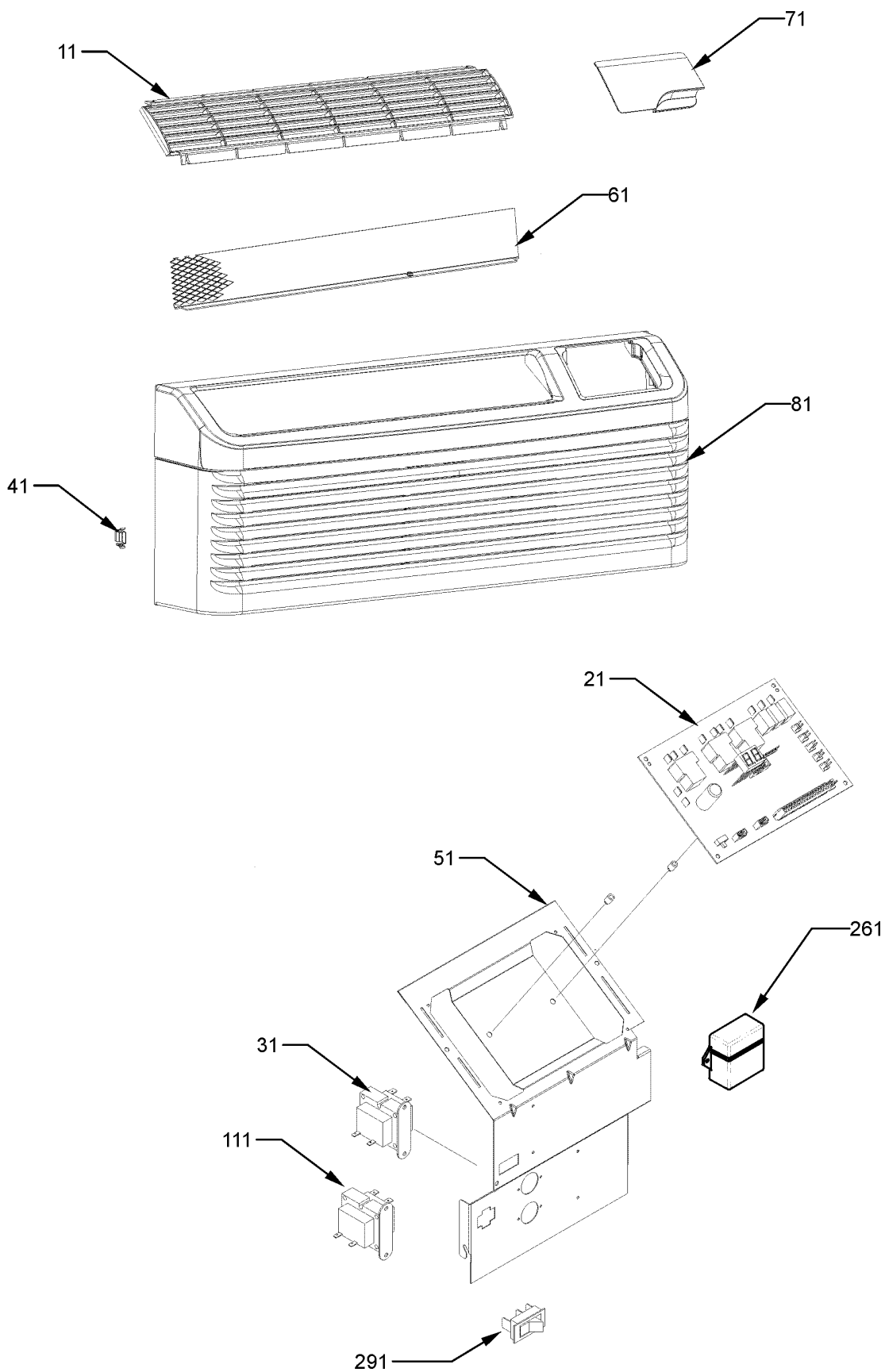
Description:

20406303	BASE PAN VALVE (M1, M2, M3, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14, M15, M16, M18, M19, M20, M21)
CAP020000440RP	CAPACITOR
39A162A	COMPRESSOR, RECHI
RSKP0010	CONTROL BOARD M61
RSKP0005	CONTROL PANEL COVER AND MEMBRANE
0130P00069	CORD, 250VAC, 15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
0130P00058	CORD, 250VAC, 20A (LCD) (M13, M14, M15, M16, M17, M18, M19, M20, M21)
0131P00035	FAN MOTOR, INDOOR
0131P00030	FAN MOTOR, OUTDOOR DC
0161P00030	FAN, CONDENSER
0275P00022	HEATER ASSY (M1, M2)
0275P00020	HEATER ASSY (M13, M14, M15, M16, M17, M18, M19, M20, M21)
0275P00019	HEATER ASSY (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
0130M00132	HIGH PRESSURE SWITCH
60343516	OVERLOAD PROTECTOR
0130M00096	RELAY
C8873917	RELAY (HYDRONIC) (M9, M17)
C8873932	RELAY (POWER VENT) (M2, M7, M8, M12, M16, M21)
0151P00000	REVERSING VALVE ASSY-230V
0130P00098	THERMISTOR (M5, M7, M11, M18, M20)
0130P00073	THERMISTOR
0130P00077	THERMISTOR (M5, M7, M11, M18, M20)
0130P00075	THERMISTOR
0130P00085	THERMISTOR, .312 CLIP, BLUE
0130P00084	THERMISTOR, .375 CLIP, RED
0130M00149	Trans. ,40VA, 240V/208V to 24V (M2, M7, M8, M12, M16, M21)
0130M00150	Trans.,40VA, 240V/208V to 120V (M9, M17)
0130M00152	TRANSFORMER
PCBEP101	VARIABLE SPEED TERMINAL BOARD
0150P00004	WHEEL, BLOWER

Expanded Model Nomenclature

M1 - PTH073G15AXXXAA
M2 - PTH073G15DXXXAA
M3 - PTH073G25AXXXAA
M4 - PTH073G25CQXXAA
M5 - PTH073G25CRXXAA
M6 - PTH073G25CXXXAA
M7 - PTH073G25DRXXAA
M8 - PTH073G25DXXXAA
M9 - PTH073G25PXXXAA
M10 - PTH073G25QXXXAA
M11 - PTH073G25RXXXAA
M12 - PTH073G25VXXXAA
M13 - PTH073G35AXXXAA
M14 - PTH073G35CQXXAA
M15 - PTH073G35CXXXAA
M16 - PTH073G35DXXXAA
M17 - PTH073G35PXXXAA
M18 - PTH073G35QRXXAA
M19 - PTH073G35QXXXAA
M20 - PTH073G35RXXXAA
M21 - PTH073G35VXXXAA

Front Assy



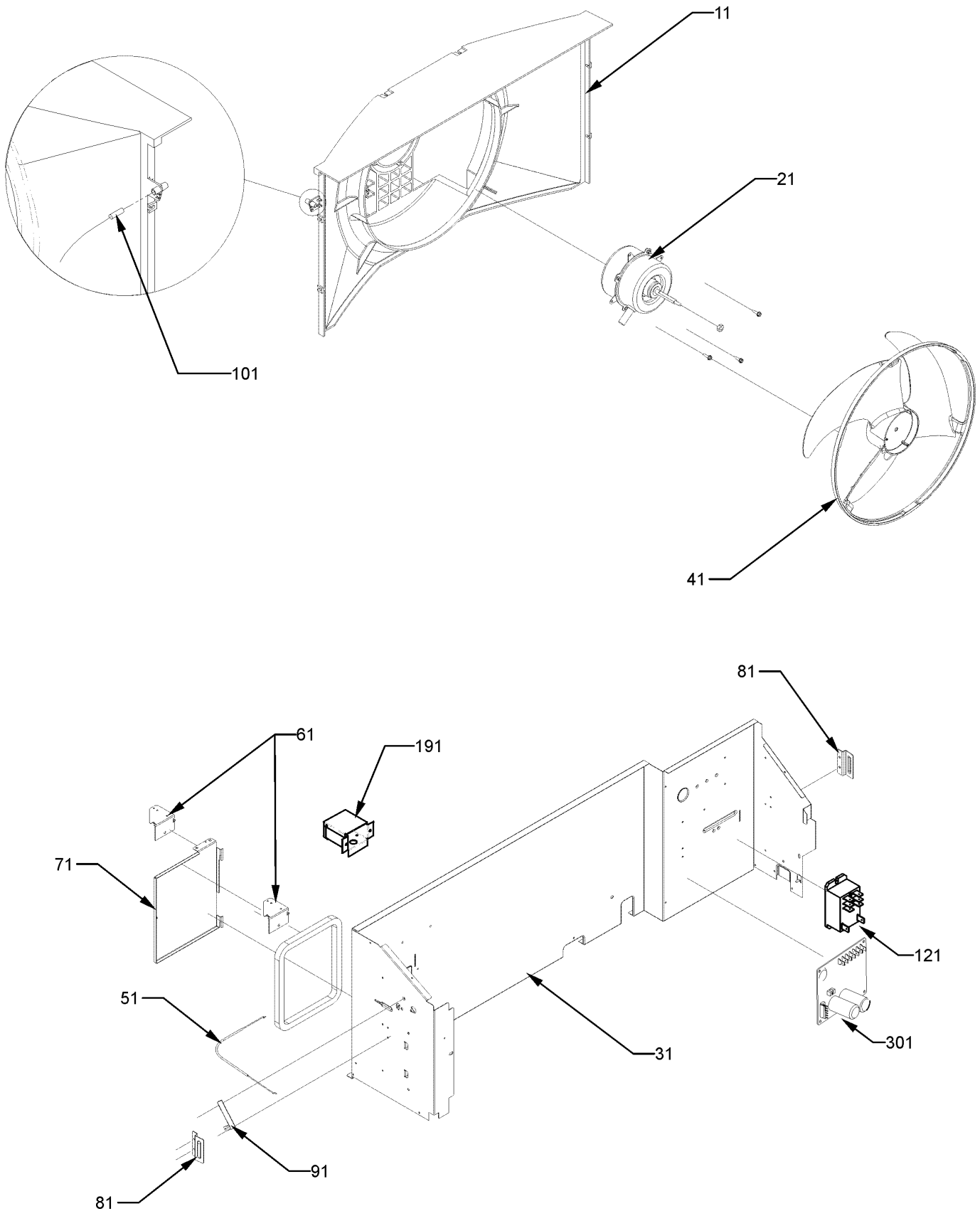
Front Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0261P00011		FRONT-DICHARGE LOUVERS
21	RSKP0010		CONTROL BOARD M61
31	0130M00152		TRANSFORMER
41	0163P00025		CLIP (QTY 2)
51	0121P00087		CONTROL PANEL
61	0121P00073		SCREEN, DISCHARGE
71	0261P00003		DOOR ASSY -AMANA-
81	0261P00011		FRONT ASSY
111	0130M00149		Trans. ,40VA, 240V/208V to 24V (M2, M7, M8, M12, M16, M21)
111	0130M00150		Trans.,40VA, 240V/208V to 120V (M9, M17)
261	DT01G		ANTENNA (M5, M7, M11, M18, M20)
291	B1337701		PADDLE SWITCH (M2, M7, M8, M12, M16, M21)
NS	0161P00035		FILTER, RACK (QTY 2)
NS	B1160701		TERMINAL BOARD (M2, M7, M8, M12, M16, M21)

Expanded Model Nomenclature

M1 - PTH073G15AXXXAA
 M2 - PTH073G15DXXXAA
 M3 - PTH073G25AXXXAA
 M4 - PTH073G25CQXXAA
 M5 - PTH073G25CRXXAA
 M6 - PTH073G25CXXXAA
 M7 - PTH073G25DRXXAA
 M8 - PTH073G25DXXXAA
 M9 - PTH073G25PXXXAA
 M10 - PTH073G25QXXXAA
 M11 - PTH073G25RXXXAA
 M12 - PTH073G25VXXXAA
 M13 - PTH073G35AXXXAA
 M14 - PTH073G35CQXXAA
 M15 - PTH073G35CXXXAA
 M16 - PTH073G35DXXXAA
 M17 - PTH073G35PXXXAA
 M18 - PTH073G35QRXXAA
 M19 - PTH073G35QXXXAA
 M20 - PTH073G35RXXXAA
 M21 - PTH073G35VXXXAA

Chassis Control Panel



Chassis Control Panel

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

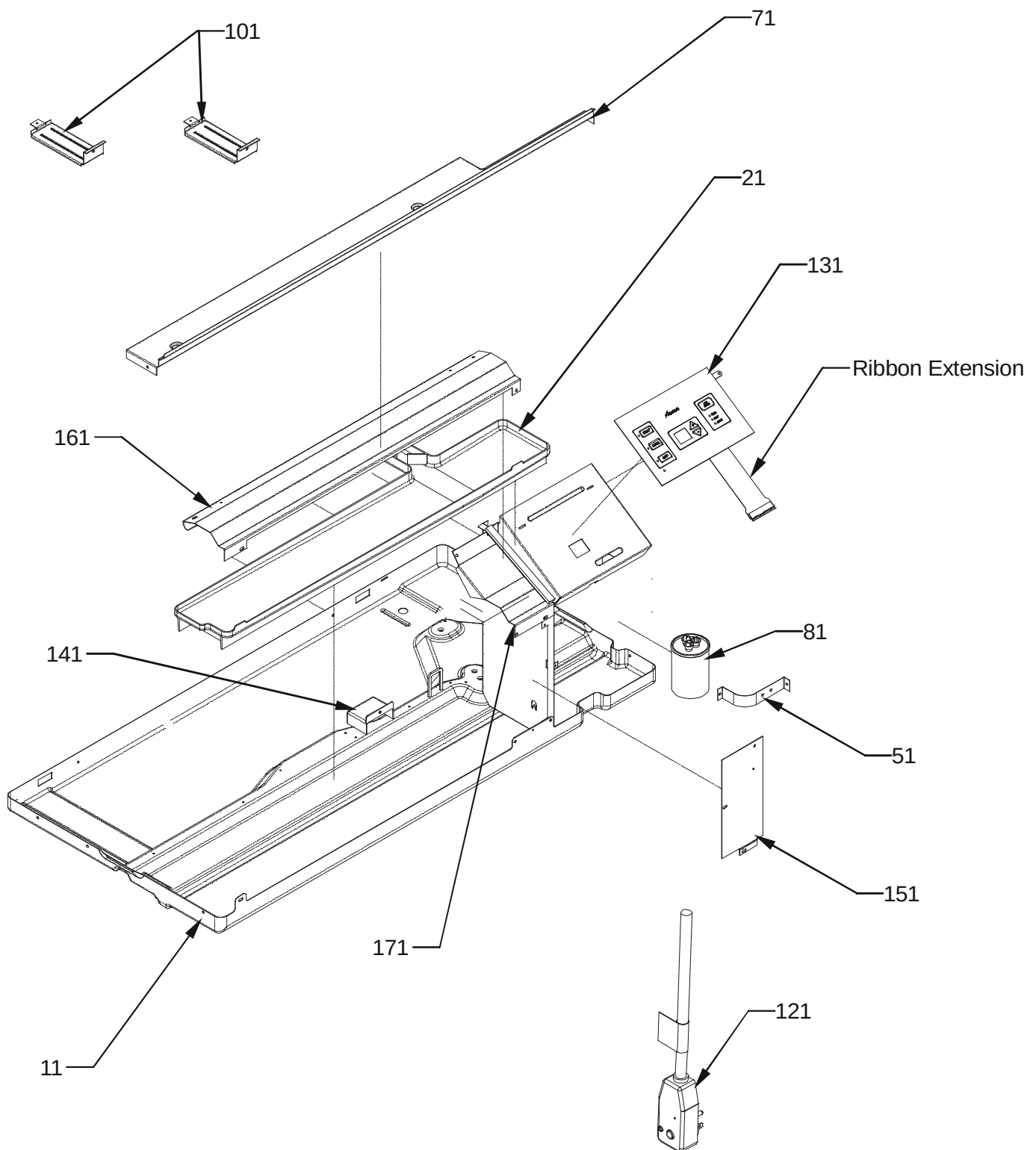
Image 1:

11	0161P00026	SHROUD, CONDENSER
21	0131P00030	FAN MOTOR, OUTDOOR DC
31	0121P00093DG	PANEL-PARTITION PNT (M4, M10, M14, M18, M19)
31	0121P00108DG	PANEL-PARTITION PNT (M1, M2, M3, M4, M5, M6, M7, M8, M9, M11, M12, M13, M14, M15, M16, M17, M20, M21)
41	0161P00030	FAN, CONDENSER
51	0163P00019	CABLE
61	0121P00079	BRACKET, VENT DOOR (M2, M7, M8, M12, M16, M21)
61	0121P00072DG	BRACKET, VENT DOOR-C (M1, M3, M5, M6, M9, M11, M13, M15, M17, M20)
71	11046105PDG	VENT DOOR (M1, M2, M3, M5, M6, M7, M8, M9, M11, M12, M13, M15, M16, M17, M20, M21)
81	11191703	PARTITION PANEL BRACKET (QTY 2)
91	11046302	LEVER ARM (M1, M3, M5, M6, M9, M11, M13, M15, M17, M20)
101	0130P00098	THERMISTOR (M5, M7, M11, M18, M20)
121	0130M00096	RELAY
121	C8873917	RELAY (HYDRONIC) (M9, M17)
121	C8873932	RELAY (POWER VENT) (M2, M7, M8, M12, M16, M21)
191	0270P00997	POWER DOOR ASSY (M2, M7, M8, M16)
301	PCBEP101	VARIABLE SPEED TERMINAL BOARD
NS	0121P00080	BRKT, POWER VENT (M2, M7, M8, M12, M16, M21)
NS	11166401	EXTENSION SPRING (M2, M7, M8, M12, M16, M21)
NS	0121P00091DG	PANEL AUXILIARY, PNT (M4, M14)
NS	11166201	POWER VENT COVER BRACKET (M2, M7, M8, M12, M16, M21)
NS	11172801	POWER VENT MOTOR (M2, M7, M8, M12, M16, M21)
NS	11166101	POWER VENT MOTOR BRACKET (M2, M7, M8, M12, M16, M21)

Expanded Model Nomenclature

M1 - PTH073G15AXXXAA
M2 - PTH073G15DXXXAA
M3 - PTH073G25AXXXAA
M4 - PTH073G25CQXXAA
M5 - PTH073G25CRXXAA
M6 - PTH073G25CXXXAA
M7 - PTH073G25DRXXAA
M8 - PTH073G25DXXXAA
M9 - PTH073G25PXXXAA
M10 - PTH073G25QXXXAA
M11 - PTH073G25RXXXAA
M12 - PTH073G25VXXXAA
M13 - PTH073G35AXXXAA
M14 - PTH073G35CQXXAA
M15 - PTH073G35CXXXAA
M16 - PTH073G35DXXXAA
M17 - PTH073G35PXXXAA
M18 - PTH073G35QRXXAA
M19 - PTH073G35QXXXAA
M20 - PTH073G35RXXXAA
M21 - PTH073G35VXXXAA

Partition Assy



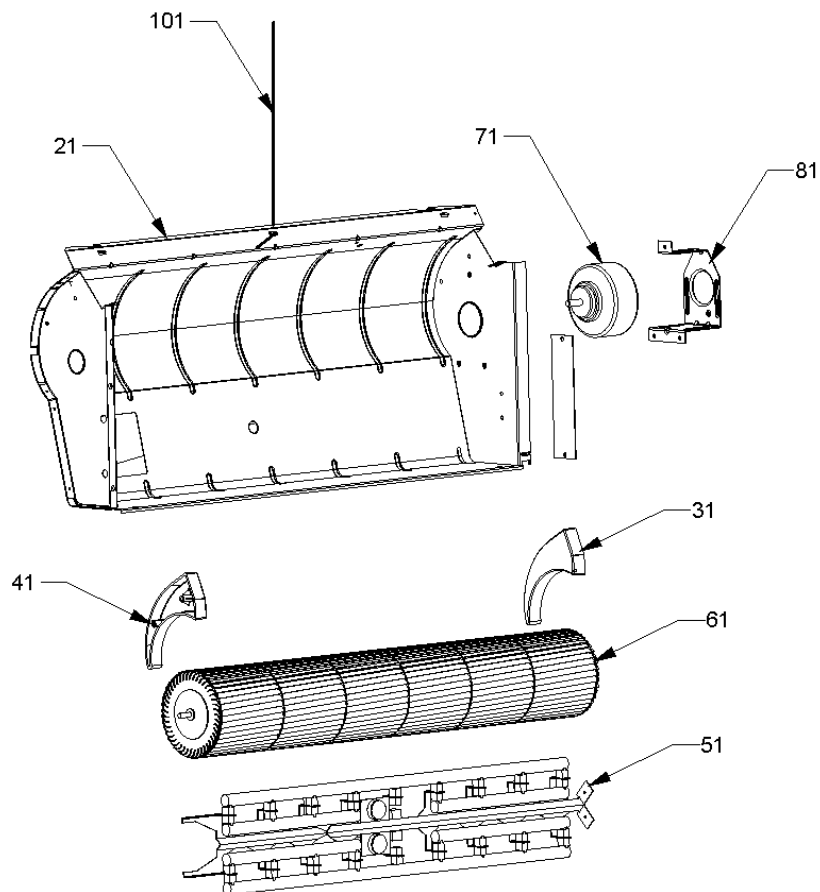
Partition Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00056BR		BASEPAN, PNT (M4, M5, M6, M14, M15)
11	0121P00056DG		BASEPAN, PNT (M1, M2, M3, M7, M8, M9, M10, M11, M12, M13, M16, M17, M18, M19, M20, M21)
21	0161P00044		PLASTIC-DRAIN PAN
51	C6300502		CAPACITOR STRAP
71	0121P00063DG		TOP, PARTITION PANEL PNT
81	CAP020000440RP		CAPACITOR
101	0121P00071DG		BRACE, TIE (QTY 2)
121	0130P00069		CORD, 250VAC, 15A (LCD) (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
121	0130P00058		CORD, 250VAC, 20A (LCD) (M13, M14, M15, M16, M17, M18, M19, M20, M21)
131	RSKP0005		CONTROL PANEL COVER AND MEMBRANE
141	0161P00016		PLASTIC-HOOD
151	20410801		ACCESS COVER
161	0121P00061DG		CUTOFF-SCROLL DG
171	0121P00070DG		COVER, MOTOR PNT
NS	20403301		MID PARTITION PANEL
NS	20416201		SEAL-L SIDE PTC
NS	20416101		SEAL-R SIDE PTC

Expanded Model Nomenclature

M1 - PTH073G15AXXXAA
 M2 - PTH073G15DXXXAA
 M3 - PTH073G25AXXXAA
 M4 - PTH073G25CQXXAA
 M5 - PTH073G25CRXXAA
 M6 - PTH073G25CXXXAA
 M7 - PTH073G25DRXXAA
 M8 - PTH073G25DXXXAA
 M9 - PTH073G25PXXXAA
 M10 - PTH073G25QXXXAA
 M11 - PTH073G25RXXXAA
 M12 - PTH073G25VXXXAA
 M13 - PTH073G35AXXXAA
 M14 - PTH073G35CQXXAA
 M15 - PTH073G35CXXXAA
 M16 - PTH073G35DXXXAA
 M17 - PTH073G35PXXXAA
 M18 - PTH073G35QRXXAA
 M19 - PTH073G35QXXXAA
 M20 - PTH073G35RXXXAA
 M21 - PTH073G35VXXXAA

Indoor Assy



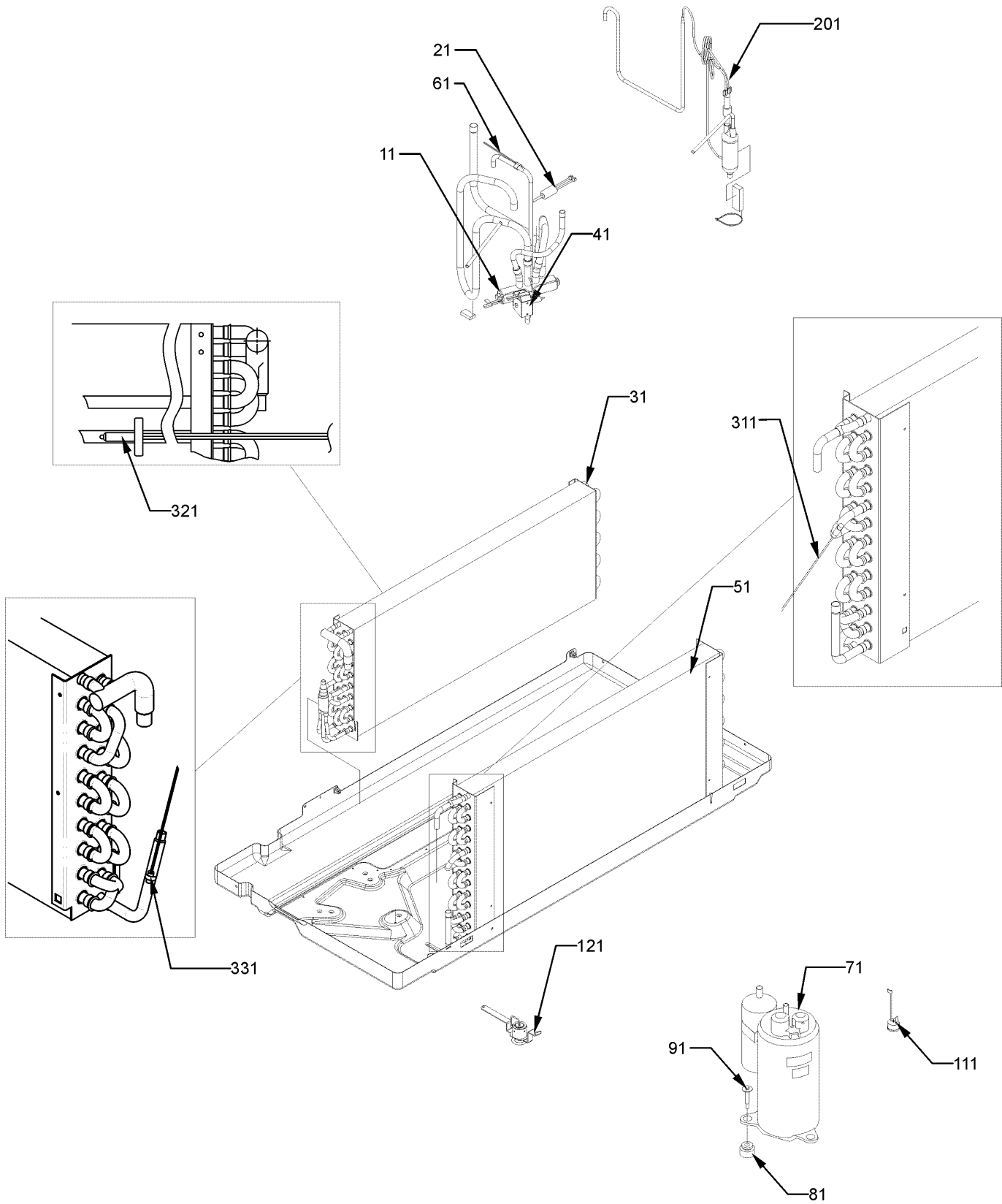
Indoor Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
21	0270P01070		SCROLL ASSY
31	0161P00021		END CAP, RIGHT
41	0161P00022		END CAP, LEFT
51	0275P00019		HEATER ASSY (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
51	0275P00020		HEATER ASSY (M13, M14, M15, M16, M17, M18, M19, M20, M21)
51	0275P00022		HEATER ASSY (M1, M2)
61	0150P00004		WHEEL, BLOWER
71	0131P00035		FAN MOTOR, INDOOR
81	0121P00048		BRACKET-MOTOR MOUNT
101	0130P00075		THERMISTOR
NS	0163P00027		BEARING

Expanded Model Nomenclature

M1 - PTH073G15AXXXAA
 M2 - PTH073G15DXXXAA
 M3 - PTH073G25AXXXAA
 M4 - PTH073G25CQXXAA
 M5 - PTH073G25CRXXAA
 M6 - PTH073G25CXXXAA
 M7 - PTH073G25DRXXAA
 M8 - PTH073G25DXXXAA
 M9 - PTH073G25PXXXAA
 M10 - PTH073G25QXXXAA
 M11 - PTH073G25RXXXAA
 M12 - PTH073G25VXXXAA
 M13 - PTH073G35AXXXAA
 M14 - PTH073G35CQXXAA
 M15 - PTH073G35CXXXAA
 M16 - PTH073G35DXXXAA
 M17 - PTH073G35PXXXAA
 M18 - PTH073G35QRXXAA
 M19 - PTH073G35QXXXAA
 M20 - PTH073G35RXXXAA
 M21 - PTH073G35VXXXAA

Tubing Assy



Tubing Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0151P00000		REVERSING VALVE ASSY-230V
21	0130M00132		HIGH PRESSURE SWITCH
31	0202P00067		EVAP ASSY, 3/8, 2 ROW
41	0130P00022		REVERSING VALVE COIL
51	0201P00082		COND ASSY, 5/16, 2 ROW (M1, M2, M3, M7, M8, M9, M10, M11, M12, M13, M16, M17, M18, M19, M20, M21)
51	0201P00085DG		CONDENSER ASSY PNT (M4, M5, M6, M14, M15)
61	0130P00077		THERMISTOR (M5, M7, M11, M18, M20)
71	39A162A		COMPRESSOR, RECHI
81	60110202		GROMMET - RECHI COMPRESSOR (QTY 3)
91	M0253661		SHOULDER SCREW (QTY 3)
111	60343516		OVERLOAD PROTECTOR
121	20406303		BASE PAN VALVE (M1, M2, M3, M4, M5, M6, M7, M8, M10, M11, M12, M13, M14, M15, M16, M18, M19, M20, M21)
201	0210P00178		CAPILLARY WELDMENT
311	0130P00085		THERMISTOR, .312 CLIP, BLUE
321	0130P00073		THERMISTOR
331	0130P00084		THERMISTOR, .375 CLIP, RED
NS	60500101		OLP SPRING - RECHI COMPRESSOR
NS	BT1392310		PLASTIC CLAMP, .1875 DIA (M2, M7, M8, M12, M16, M21)
NS	60100314		TERMINAL COVER - RECHI COMP
NS	60100103		TERMINAL GASKET
NS	60100401		TERMINAL NUT - RECHI COMP
NS	60100201		WASHER - RECHI COMPRESSOR

Expanded Model Nomenclature

M1 - PTH073G15AXXXAA
 M2 - PTH073G15DXXXAA
 M3 - PTH073G25AXXXAA
 M4 - PTH073G25CQXXAA
 M5 - PTH073G25CRXXAA
 M6 - PTH073G25CXXXAA
 M7 - PTH073G25DRXXAA
 M8 - PTH073G25DXXXAA
 M9 - PTH073G25PXXXAA
 M10 - PTH073G25QXXXAA
 M11 - PTH073G25RXXXAA
 M12 - PTH073G25VXXXAA
 M13 - PTH073G35AXXXAA
 M14 - PTH073G35CQXXAA
 M15 - PTH073G35CXXXAA
 M16 - PTH073G35DXXXAA
 M17 - PTH073G35PXXXAA
 M18 - PTH073G35QRXXAA
 M19 - PTH073G35QXXXAA
 M20 - PTH073G35RXXXAA
 M21 - PTH073G35VXXXAA