

ASZH40 Remote Heat Pump

ASZH401810AA

ASZH402410AA

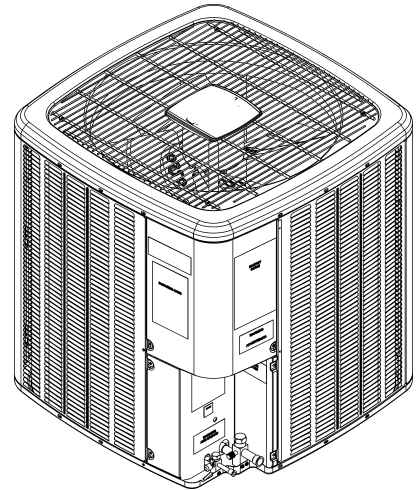
ASZH403010AA

ASZH403610AA

ASZH404210AA

ASZH404810AA

ASZH406010AA



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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:

Expanded Model Nomenclature

0151R00231	ADJUSTABLE VALVE, TXV R410A (M7)
0151R00213	ADJUSTABLE VALVE, TXV R410A (M1, M2)
0151R00215	ADJUSTABLE VALVE, TXV R410A (M3)
0151R00216	ADJUSTABLE VALVE, TXV R410A (M4)
0151R00230	ADJUSTABLE VALVE, TXV R410A (M6)
0151R00217	ADJUSTABLE VALVE, TXV R410A (M5)
0151R00185	BASE VALVE 3/4" (M1, M2, M3)
0151R00187	BASE VALVE 3/8"
0151R00186	BASE VALVE 7/8" (M4, M5, M6, M7)
CAB050350440CS	CAP, 5/35 MFD/440V RD - BPRF (M1, M2, M3)
CAB050400440CT	CAP, 5/40 MFD/440V RD - BPRF (M4, M6)
CAB050450440CT	CAP, 5/45 MFD/440V RD - BPRF (M5)
CAB050700440CT	CAP, 5/70 MFD/440V RD - BPRF (M7)
ZP31K7EPFV130	COMP, 208/230/60/1 (M4)
ZP25K7EPFV130	COMP, 208/230/60/1 (M3)
ZP40K7EPFV130	COMP, 40000,208/230/60/1 (M6)
ZP34K7EPFV130	COMP, 40000,208/230/60/1 (M5)
ZP14K7EPFV130	COMPRESSOR, 1.5 TON (M1)
ZP20K7EPFV130	COMPRESSOR, 2 TON (M2)
ZP51K7EPFV130	COMPRESSOR, COPELAND (M7)
CONT1P030024V	CONT, 1 POLE, 30 AMP, 24 VAC
0130M00250	CONTROL, DEFROST (M6, M7)
0130M00723	CONTROL, DEFROST (M1, M2, M3, M4, M5)
571006700	CoreSense Module
0130M00106	DISC THERMOSTAT CRNKCS HTR SW
0130M00349	DISC-THERMOSTAT
0150M00008	FAN BLADE, 22" TNT2203-25 (M1, M2, M3)
0150M00066	FAN BLADE, 26" (M4, M5, M6, M7)
0163R00007	HEATER, CRANKCASE 230V, 40W (M5, M6, M7)
0163R00006	HEATER, CRANKCASE 230V, 40W (M1, M2, M3, M4)
0131M00807	MOTOR, 1/4HP,1SP,8PL,AL (M5, M6, M7)
0131M00753	MOTOR, 1/6HP, 1SP, 8PL, AL (M1, M2, M3)
0131M00945	MOTOR, 1/6HP, 8PL (M4)
PCBDM133	PCB, DEFROST CONTROL
0151R00068	REVERSING VALVE (M1, M2, M3)
0151R00071	REVERSING VALVE (M4, M5, M6, M7)
B1225022	SOLENOID COIL
0130M00089	SW-CUTOUT HI PRESS
0130M00088	SW-CUTOUT LOW PRESS

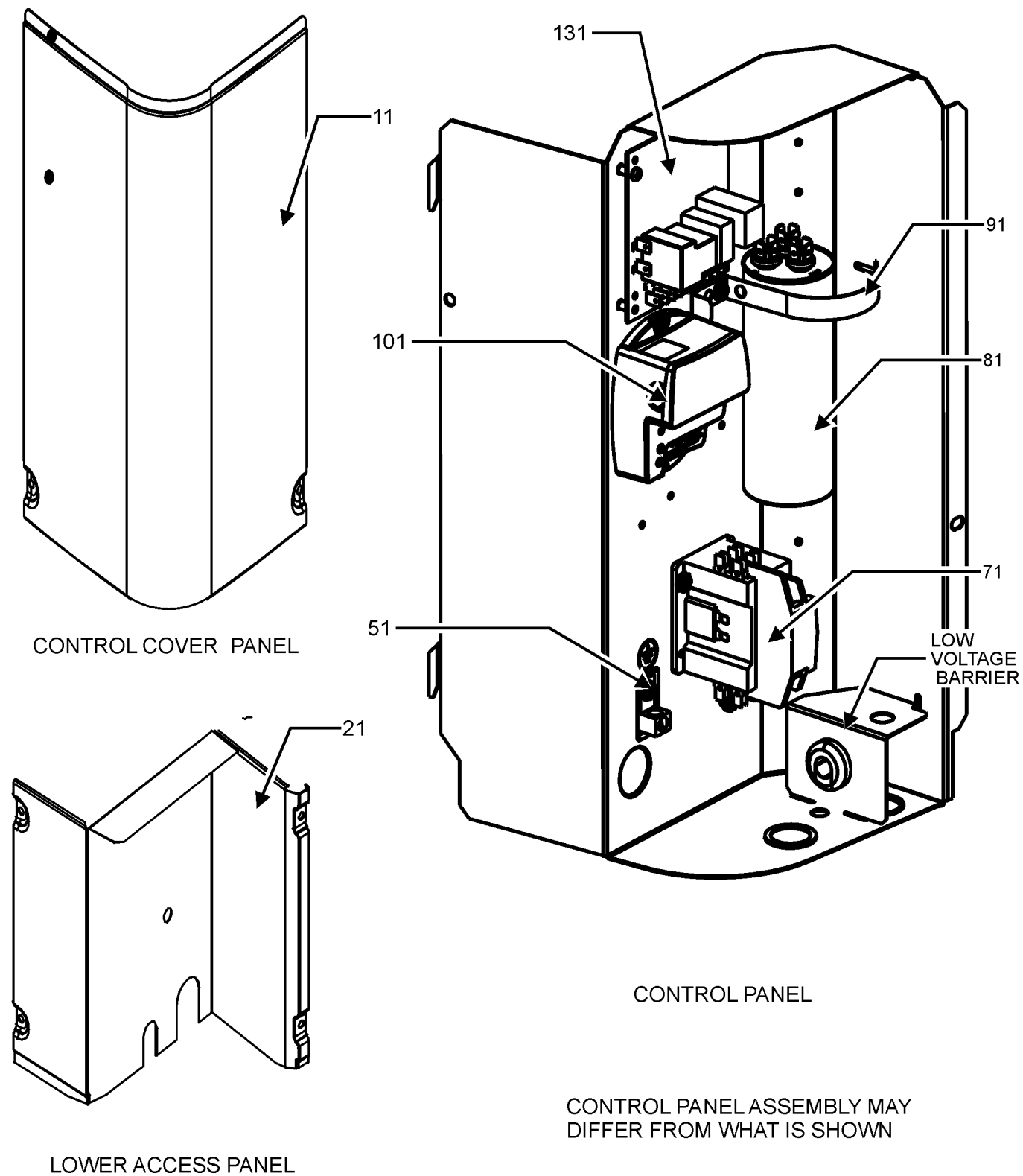
M1 - ASZH401810AA
M2 - ASZH402410AA
M3 - ASZH403010AA
M4 - ASZH403610AA
M5 - ASZH404210AA
M6 - ASZH404810AA
M7 - ASZH406010AA

SPECIAL PARTS

0161R00087	NAMEPLATE, AMANA LOGO
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Control Panel Assembly

CONTROL PANEL ASSEMBLY



Control Panel Assembly

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

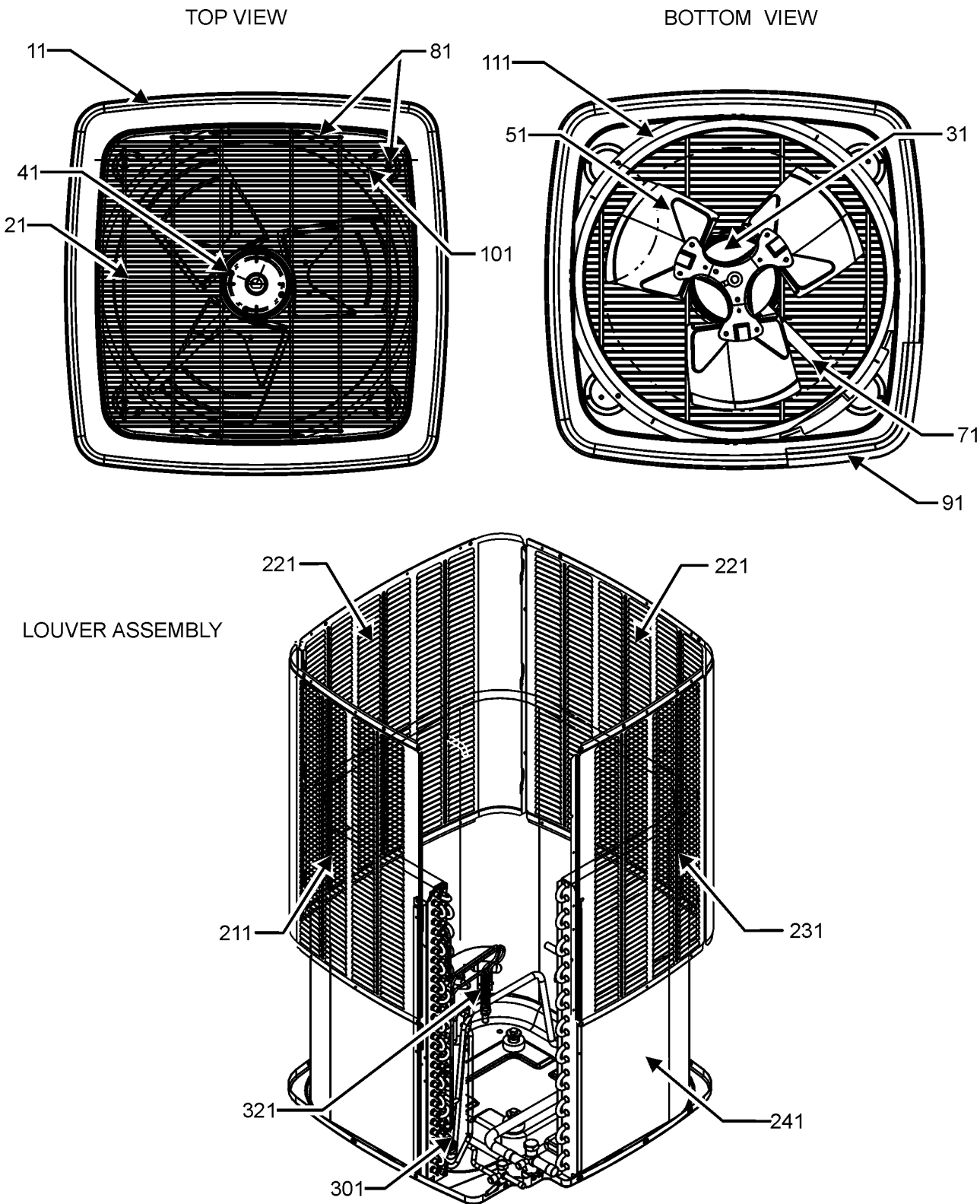
11	0121R00909PDG	PNL, LWR ACCESS (M3, M4)
11	0121R00912PDG	PNL, LWR ACCESS (M1, M2, M5)
11	0121R00917PDG	PNL, LWR ACCESS (M6)
21	0121R00937PDG	CONTROL COVER, PNT
51	B1378533	LUG GROUND SMALL 4T
71	CONT1P030024V	CONT, 1 POLE, 30 AMP, 24 VAC
81	CAB050350440CS	CAP, 5/35 MFD/440V RD - BPRF (M1, M2, M3)
81	CAB050400440CT	CAP, 5/40 MFD/440V RD - BPRF (M4, M6)
81	CAB050450440CT	CAP, 5/45 MFD/440V RD - BPRF (M5)
81	CAB050700440CT	CAP, 5/70 MFD/440V RD - BPRF (M7)
91	4400065	CAPACITOR STRAP
101	571006700	CoreSense Module
131	PCBDM133	PCB, DEFROST CONTROL
NS	0161R00087	NAMEPLATE, AMANA LOGO

Expanded Model Nomenclature

M1 - ASZH401810AA
M2 - ASZH402410AA
M3 - ASZH403010AA
M4 - ASZH403610AA
M5 - ASZH404210AA
M6 - ASZH404810AA
M7 - ASZH406010AA

Top Panel and Louver Assembly

TOP PANEL AND LOUVER ASSEMBLY



TOP PANEL AND LOUVER ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

Top Panel and Louver Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

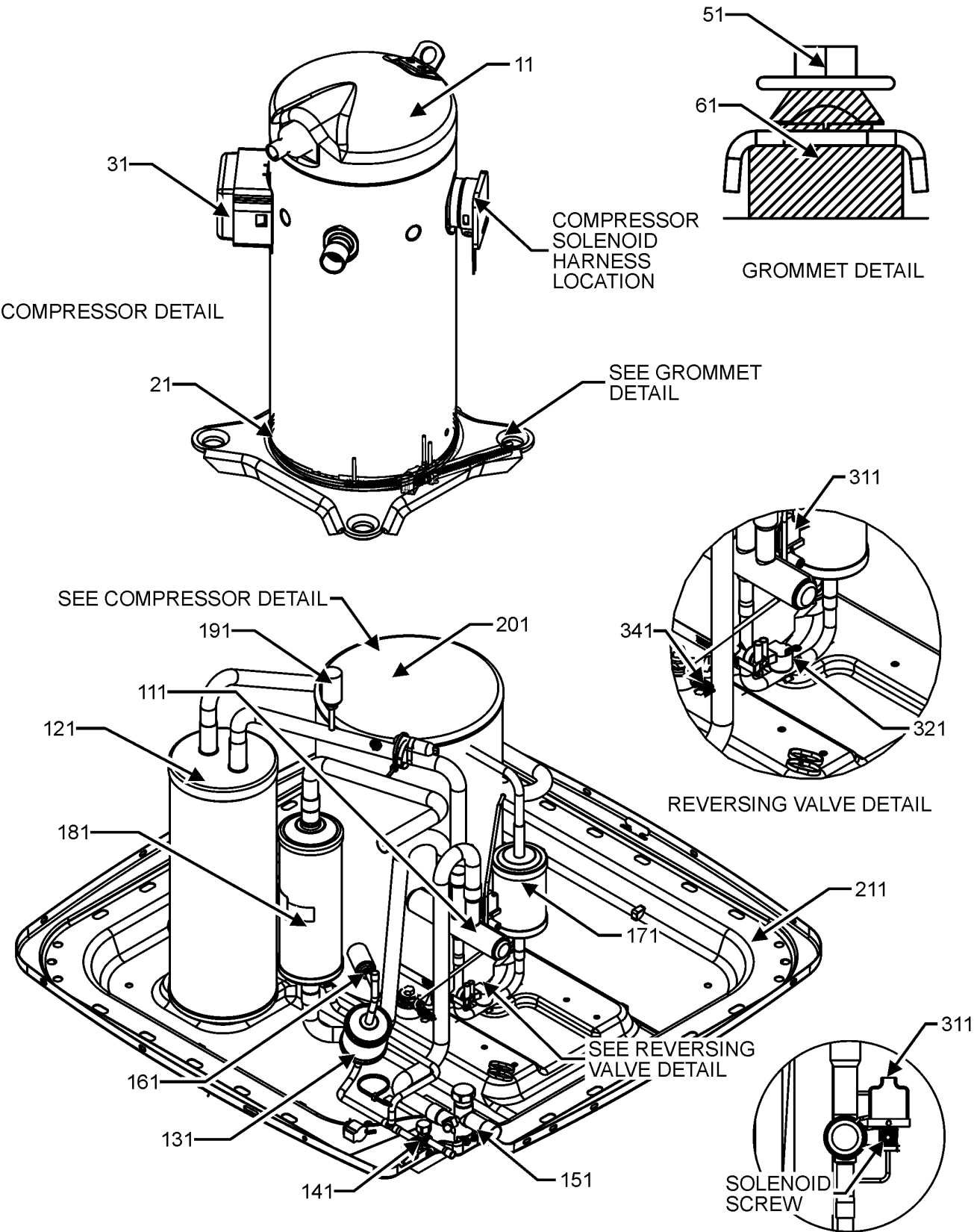
11	0121R00935PDG	PANEL, TOP 29. PNT (M1, M2, M3)
11	0121R00936PDG	TOP PANEL, 35. PNT (M4, M5, M6, M7)
21	0152R00025	29" GRILLE CFS (M1, M2, M3)
21	0152R00026	GRILL, WIRE 35. TOP (M4, M5, M6, M7)
31	0131M00807	MOTOR, 1/4HP, 1SP, 8PL, AL (M5, M6, M7)
31	0131M00753	MOTOR, 1/6HP, 1SP, 8PL, AL (M1, M2, M3)
31	0131M00945	MOTOR, 1/6HP, 8PL (M4)
41	0163M00006P	NUT ACORN 5/16 HEX BLACK (QTY 4)
51	0150M00008	FAN BLADE, 22" TNT2203-25 (M1, M2, M3)
51	0150M00066	FAN BLADE, 26" (M4, M5, M6, M7)
71	0161R00002P	CONDUIT (M1, M2, M3)
71	0161R00100	CONDUIT (M4, M5, M6, M7)
81	0163M00003P	SCREW #10 X 1/2, A, SLOT, SR, BLACK (QTY 6)
91	0154R00045	GASKET CONTROL PANEL
101	0163M00004	SCREW #10X3/4" BLK (QTY 4)
111	0161R00104	29" VENTURI CFS (M1, M2, M3)
111	0161R00105	35" VENTURI CFS (M4, M5, M6, M7)
211	0121R00202PLG	LOUVER, SIDE PANEL (M1, M2)
211	0121R00203PLG	LOUVER, SIDE PANEL (M3)
211	0121R00927PLG	PANEL 1, LOUVER 35_34.64 PNT (M6)
211	0121R00240PLG	PANEL 1, LOUVER 35 (M4)
211	0121R00239PLG	PANEL 1, LOUVER 35, 5MM, PNT (M5)
211	0121R00601PLG	PANEL 1, LOUVER 35_39.84 PNT (M7)
221	0121R00205PLG	LOUVER, SIDE PANEL (M1, M2)
221	0121R00206PLG	LOUVER, SIDE PANEL (M3)
221	0121R00244PLG	PANEL 2, LOUVER 35 (M4)
221	0121R00243PLG	PANEL 2, LOUVER 35, 5MM, PNT (M5)
221	0121R00928PLG	PANEL 2, LOUVER 35_34.64 PNT (M6)
221	0121R00514PLG	PANEL 2, LOUVER 35_39.84 PNT (M7)
231	0121R00194PLG	LOUVER, SIDE PANEL (M1, M2)
231	0121R00195PLG	LOUVER, SIDE PANEL (M3)
231	0121R00248PLG	PANEL 3, LOUVER 35 (M4)
231	0121R00247PLG	PANEL 3, LOUVER 35, 5MM, PNT (M5)
231	0121R00929PLG	PANEL 3, LOUVER 35_34.64 PNT (M6)
231	0121R00603PLG	PANEL 3, LOUVER 35_39.84 PNT (M7)
241	0201R00759	COIL TUBING ASSY (M5)
241	0201R00764	COIL TUBING ASSY (M4)
241	0201R00766	COIL TUBING ASSY (M3)
241	0201R00780	COIL TUBING ASSY (M6)
241	0201R00782	COIL TUBING ASSY (M7)
241	0201R00818	COIL TUBING ASSY (M1, M2)
301	0130M00250	CONTROL, DEFROST (M6, M7)
301	0130M00723	CONTROL, DEFROST (M1, M2, M3, M4, M5)
321	0151R00213	ADJUSTABLE VALVE, TXV R410A (M1, M2)
321	0151R00215	ADJUSTABLE VALVE, TXV R410A (M3)
321	0151R00216	ADJUSTABLE VALVE, TXV R410A (M4)
321	0151R00217	ADJUSTABLE VALVE, TXV R410A (M5)
321	0151R00230	ADJUSTABLE VALVE, TXV R410A (M6)
321	0151R00231	ADJUSTABLE VALVE, TXV R410A (M7)
NS	0163M00005P	WASHER BLACK .50 OD .218BD (QTY 4)

Expanded Model Nomenclature

M1 - ASZH401810AA
M2 - ASZH402410AA
M3 - ASZH403010AA
M4 - ASZH403610AA
M5 - ASZH404210AA
M6 - ASZH404810AA
M7 - ASZH406010AA

Compressor and Tubing Assembly

TUBING ASSEMBLY



Compressor and Tubing Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	ZP25K7EPFV130		COMP, 208/230/60/1 (M3)
11	ZP31K7EPFV130		COMP, 208/230/60/1 (M4)
11	ZP34K7EPFV130		COMP, 40000,208/230/60/1 (M5)
11	ZP40K7EPFV130		COMP, 40000,208/230/60/1 (M6)
11	ZP14K7EPFV130		COMPRESSOR, 1.5 TON (M1)
11	ZP20K7EPFV130		COMPRESSOR, 2 TON (M2)
11	ZP51K7EPFV130		COMPRESSOR, COPELAND (M7)
21	0163R00006		HEATER, CRANKCASE 230V, 40W (M1, M2, M3, M4)
21	0163R00007		HEATER, CRANKCASE 230V, 40W (M5, M6, M7)
31	0159R00001P		HARNESS, COMP SCROLL 130 42" (M1, M2, M3)
31	0159R00002P		HARNESS, COMP SCROLL 130 46" (M4, M5, M6, M7)
51	M0221641		TF SHOULDER SCREW (QTY 4)
61	B1339533		COMPRESSOR GROMMET (QTY 4)
111	0151R00068		REVERSING VALVE (M1, M2, M3)
111	0151R00071		REVERSING VALVE (M4, M5, M6, M7)
121	0151L00009		ACCUMULATOR (M6)
121	0151L00010		ACCUMULATOR (M7)
121	B1226207		ACCUMULATOR (M3, M4, M5)
121	0151R00004P		ACCUMULATOR 3/4 (M1, M2)
131	0162R00056		FILTER/DRIER-BI-FLOW
141	0151R00187		BASE VALVE 3/8"
151	0151R00185		BASE VALVE 3/4" (M1, M2, M3)
151	0151R00186		BASE VALVE 7/8" (M4, M5, M6, M7)
161	0130M00089		SW-CUTOUT HI PRESS
171	0162R00007		MUFFLER 1/2 X 1/2
181	0151R00218		COMPENSATOR (M7)
181	0151R00229		COMPENSATOR (M5)
191	0130M00088		SW-CUTOUT LOW PRESS
201	0160M00035		COMPRESSOR BLANKET (M1, M2, M3, M4)
201	0160M00039		COMPRESSOR BLANKET (M5, M6, M7)
211	0121R00006PDG		BASE PAN 29" (M1, M2, M3)
211	0121R00007PDG		BASE PAN 35" (M4, M5, M6, M7)
311	0130M00410		REVERSING VALVE HARNESS
321	0130M00106		DISC THERMOSTAT CRNKCS HTR SW
331	0130M00349		DISC-THERMOSTAT
341	B1787000		VALVE CORE
NS	0163M00175		CAP WITH O-RING
NS	B1225022		SOLENOID COIL

Expanded Model Nomenclature

M1 - ASZH401810AA M2 - ASZH402410AA M3 - ASZH403010AA M4 - ASZH403610AA M5 - ASZH404210AA M6 - ASZH404810AA M7 - ASZH406010AA
