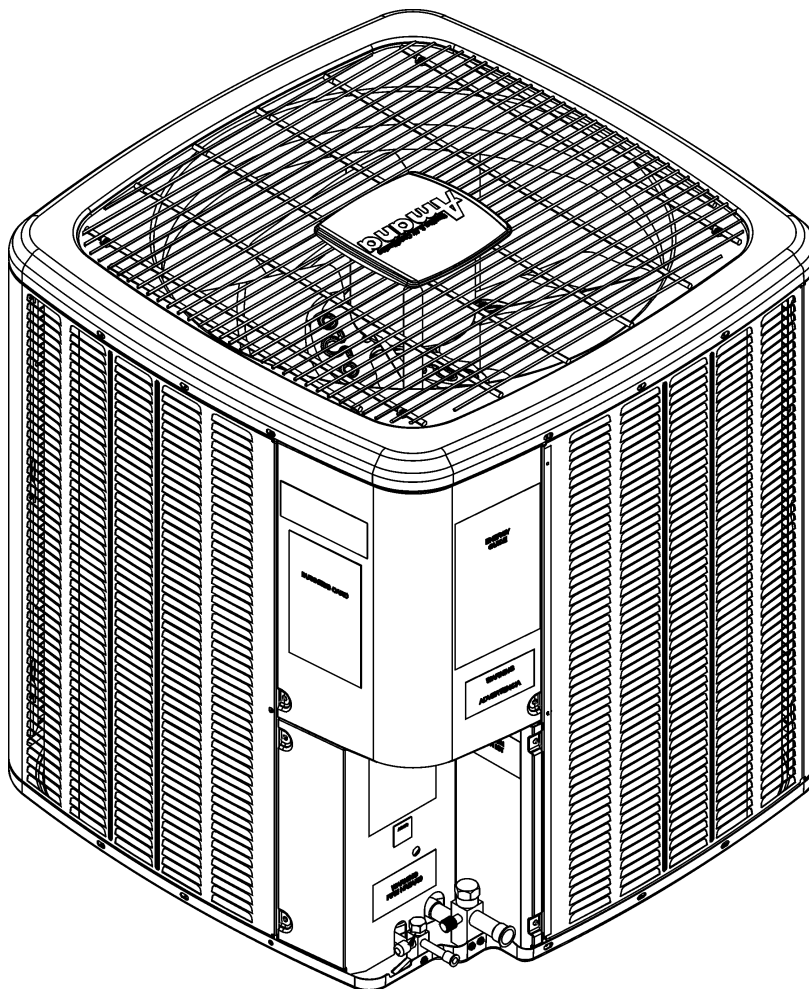


ASZC16 / 18 SEER Remote Heat Pump

ASZC160241AA
ASZC160241AB
ASZC160241AC
ASZC160241AD
ASZC160241AE
ASZC160361AA
ASZC160361AB
ASZC160361AC
ASZC160361AD
ASZC160361AE
ASZC160481AA
ASZC160481AB
ASZC160481AC
ASZC160481AD
ASZC160601AA
ASZC160601AB
ASZC160601BA
ASZC160601BB
ASZC180361AA
ASZC180361AB
ASZC180361AC
ASZC180361AD
ASZC180481AA
ASZC180481AB
ASZC180481AC
ASZC180601AA
ASZC180601AB
ASZC180601BA



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This manual is to be used by qualified technicians only.

This manual replaces RP-507C.

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Important Information

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Functional Parts List	3
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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:

0151R00079	BASE VALVE 3/4" (M1, M2, M3, M4, M5)
0151R00078	BASE VALVE 3/8"
0151R00080	BASE VALVE 7/8" (M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
CAP050350440CS	CAPACITOR 5/35/440V (M1, M2, M3, M4, M5)
CAP050400440CT	CAPACITOR 5/40/440V/DUAL RD (M6, M7, M8, M9, M10, M19, M20, M21, M22)
CAP050450440CT	CAPACITOR 5/45/440V/DUAL RD (M11, M12, M13, M14, M23, M24, M25)
CAP050800440RT	CAPACITOR 5/80/440V (M15, M16, M17, M18, M26, M27, M28)
ZPS20K5EPFV130	COMP, 20000,208/230 (M3, M4, M5)
ZPS30K5EPFV130	COMP,30000,208/230 (M8, M9, M10, M19, M20, M21, M22)
ZPS20K4EPFV230	COMPRESSOR 20000, 208/230/60/1/2STG (M1, M2)
ZPS30K4EPFV230	COMPRESSOR 30000, 208/230/60/1/2STG (M6, M7)
ZPS40K4EPFV230	COMPRESSOR 40000, 208/230/60/1/2STG (M11, M12, M13, M14, M23, M24, M25)
ZPS49K4EPFV230	COMPRESSOR 49200, 208/230/60/1/2STG (M17, M18, M28)
ZPS51K4EPFV230	COMPRESSOR 52000, 208/230/60/1/2STG (M15, M16, M26, M27)
0131M00115	COND MOTOR 1/6 HP, 2 SP, 8 PL (M1, M2, M3, M6, M7, M8, M11, M12, M13, M15, M16, M17)
0130R00003	CUT-OUT SWITCH, HIGH PRESSURE
0130R00002	CUT-OUT SWITCH, LOW PRESSURE
0130M00106	DISC THERMOSTAT CRNKCS HTR SW (M3, M4, M5, M8, M9, M10, M13, M14, M17, M18, M21, M22, M25, M28)
11046710	DISC-THERMOSTAT
0131M00761	ECM MOTOR - PROGRAMMED (IGBT) (M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
0163R00006	HEATER, CRANKCASE 230V, 40W (M3, M4, M5, M8, M9, M10, M19, M20, M21, M22)
0163R00007	HEATER, CRANKCASE 230V, 40W (M13, M14, M17, M18, M25, M28)
0131M00295	MOTOR 1/6 HP 2SP 8PL (M4, M5, M9, M10, M14, M18)
0130M00054	OUTDOOR AIR TEMP SENSOR
0130M00053	OUTDOOR COIL TEMP SENSOR
PCBHR104	PCB, CONTROL BOARD
0151M00021	REVERSING VALVE (M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
0151M00018	REVERSING VALVE (M1, M2, M3, M4, M5)
0130R00009	SHARED DATA (M6, M7, M8, M9, M10)
0130R00007	SHARED DATA (M1, M2, M3, M4, M5)
0130R00010	SHARED DATA (M19, M20, M21, M22)
0130R00012	SHARED DATA (M11, M12, M13, M14)
0130R00014	SHARED DATA (M23, M24, M25)
0130R00016	SHARED DATA (M15, M16, M17, M18)
0130R00018	SHARED DATA (M26, M27, M28)
B1225022	SOLENOID COIL
B1787000	VALVE CORE
0151M00070	VALVE, TXV R-410A (M1, M2, M3, M4, M5)
0151M00069	VALVE, TXV R-410A (M6, M7, M8, M9, M10, M19, M20, M21, M22)
0151M00068	VALVE, TXV R-410A (M11, M12, M13, M14, M15, M16, M17, M18, M23, M24, M25, M26, M27, M28)

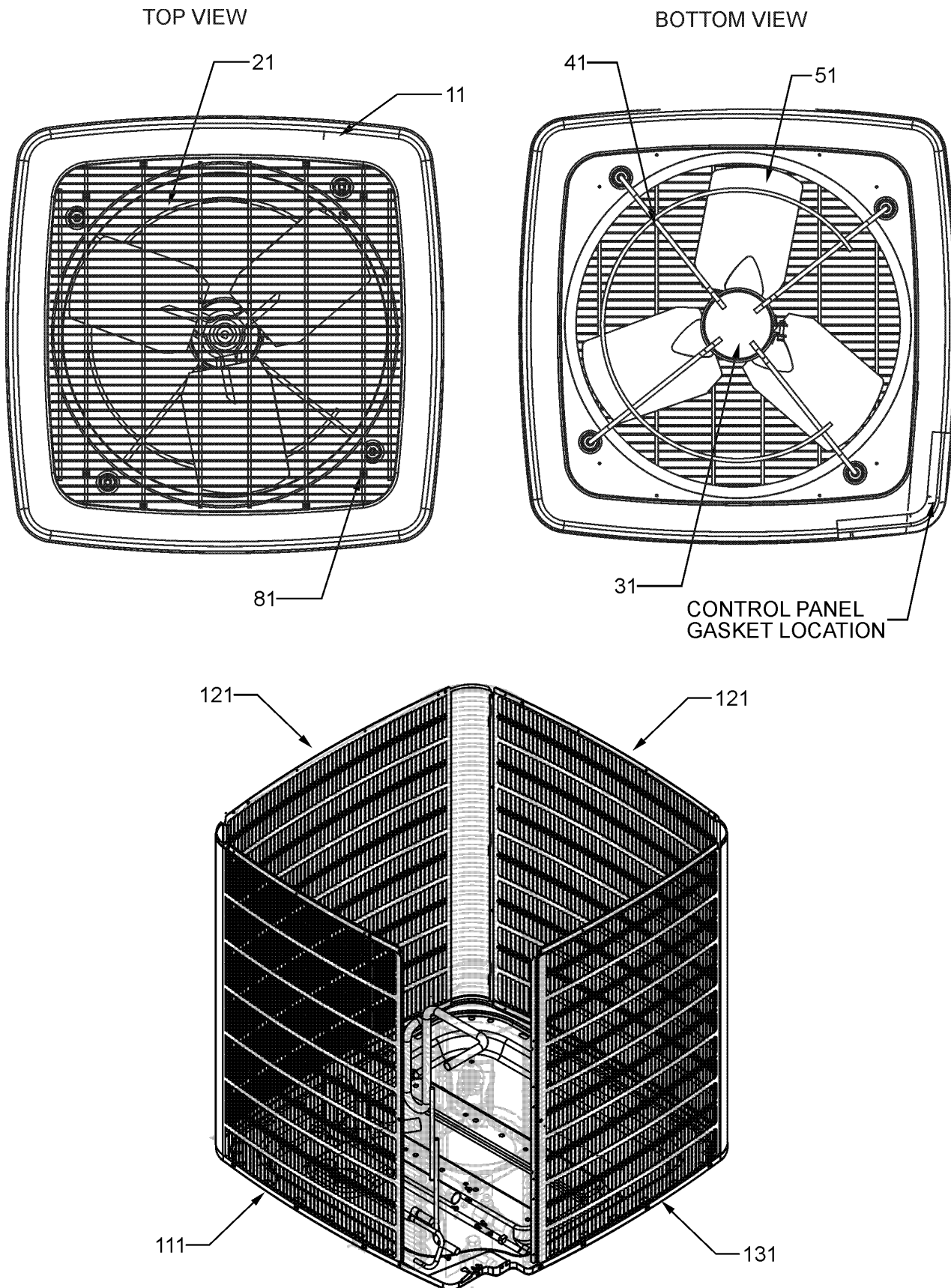
SPECIAL PARTS

0161R00008P	AMANA LOGO CAP
0161R00010P	AMANA NAMEPLATE

Expanded Model Nomenclature

M1 - ASZC160241AA
M2 - ASZC160241AB
M3 - ASZC160241AC
M4 - ASZC160241AD
M5 - ASZC160241AE
M6 - ASZC160361AA
M7 - ASZC160361AB
M8 - ASZC160361AC
M9 - ASZC160361AD
M10 - ASZC160361AE
M11 - ASZC160481AA
M12 - ASZC160481AB
M13 - ASZC160481AC
M14 - ASZC160481AD
M15 - ASZC160601AA
M16 - ASZC160601AB
M17 - ASZC160601BA
M18 - ASZC160601BB
M19 - ASZC180361AA
M20 - ASZC180361AB
M21 - ASZC180361AC
M22 - ASZC180361AD
M23 - ASZC180481AA
M24 - ASZC180481AB
M25 - ASZC180481AC
M26 - ASZC180601AA
M27 - ASZC180601AB
M28 - ASZC180601BA

Cabinet Top and Side Panel Assembly



Cabinet Top and Side Panel Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0121R00011PDG	VENTURI TOP PANEL 29" (M1, M2, M3, M4, M5)
11	0121R00013PDG	VENTURI TOP PANEL 35" (M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
21	0152R00015	GRILLE, WIRE 29" TOP (M1, M2, M3, M4, M5)
21	0152R00016	GRILLE, WIRE 35" TOP (M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
31	0131M00115	COND MOTOR 1/6 HP, 2 SP, 8 PL (M1, M2, M3, M6, M7, M8, M11, M12, M13, M15, M16, M17)
31	0131M00761	ECM MOTOR - PROGRAMMED (IGBT) (M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
31	0131M00295	MOTOR 1/6 HP 2SP 8PL (M4, M5, M9, M10, M14, M18)
41	0121R00003	MOTOR MOUNT BRACKET (M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
51	10625737	FAN BLADE 22" ALUM CCW (M1, M2, M3, M4, M5)
51	0150M00010	FAN BLADE 26" ALUM CCW (M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
51	10625738	FAN BLADE 26" ALUM CCW (M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18)
81	0163M00003P	SCREW #10 X 1/2, A, SLOT, SR, BLACK (QTY 5)
111	4400464PLGB	LOUVERED SIDE PANEL [LT OF CNTL PNL] (M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
111	4400458PLGB	LOUVERED SIDE PANEL [LT OF CNTL PNL] (M1, M2, M3, M4, M5)
121	4400460PLGB	LOUVERED SIDE PANEL 29_36 (M1, M2, M3, M4, M5)
121	4400466PLGB	PANEL 2, BENT LOUVER (M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
131	4400462PLG	LOUVERED SIDE PANEL [RT OF CNTL PNL] (M1, M2, M3, M4, M5)
131	4400468PLG	LOUVERED SIDE PANEL [RT OF CNTL PNL] (M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
NS	0161R00008P	AMANA LOGO CAP
NS	0161R00002P	CONDUIT (M1, M2, M3)
NS	0161R00004P	CONDUIT (M6, M7, M8, M11, M12, M13, M15, M16, M17)
NS	0161R00069	CONDUIT (M4, M5)
NS	0161R00070	CONDUIT (M9, M10, M14, M18)
NS	0154R00006	GASKET, CONTROL PANEL
NS	M0280801	HEX NUT (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18)
NS	B1393024	LOCK NUT (M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)

Expanded Model Nomenclature

M1 - ASZC160241AA
M2 - ASZC160241AB
M3 - ASZC160241AC
M4 - ASZC160241AD
M5 - ASZC160241AE
M6 - ASZC160361AA
M7 - ASZC160361AB
M8 - ASZC160361AC
M9 - ASZC160361AD
M10 - ASZC160361AE
M11 - ASZC160481AA
M12 - ASZC160481AB
M13 - ASZC160481AC
M14 - ASZC160481AD
M15 - ASZC160601AA
M16 - ASZC160601AB
M17 - ASZC160601BA
M18 - ASZC160601BB
M19 - ASZC180361AA
M20 - ASZC180361AB
M21 - ASZC180361AC
M22 - ASZC180361AD
M23 - ASZC180481AA
M24 - ASZC180481AB
M25 - ASZC180481AC
M26 - ASZC180601AA
M27 - ASZC180601AB
M28 - ASZC180601BA

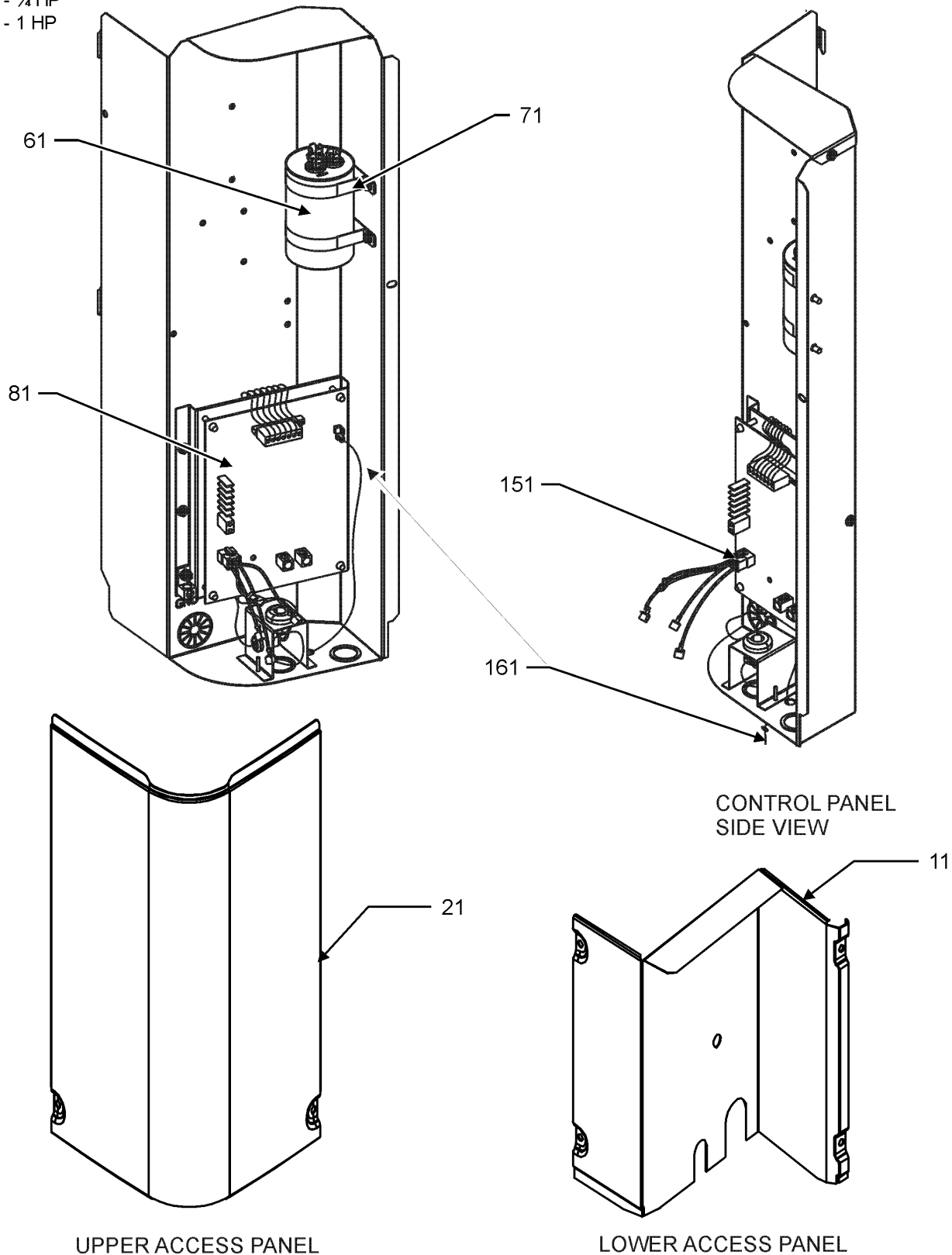
Control Panel Assembly

*If end bells are needed please order the following:

0131M00182 - 1/2 HP

0131M00183 - 3/4 HP

0131M00184 - 1 HP



Control Panel Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0121R00317	LOWER ACCESS PANEL
21	0121R00054PDG	CONTROL COVER
61	CAP050350440CS	CAPACITOR 5/35/440V (M1, M2, M3, M4, M5)
61	CAP050400440CT	CAPACITOR 5/40/440V/DUAL RD (M6, M7, M8, M9, M10, M19, M20, M21, M22)
61	CAP050450440CT	CAPACITOR 5/45/440V/DUAL RD (M11, M12, M13, M14, M23, M24, M25)
61	CAP050800440RT	CAPACITOR 5/80/440V (M15, M16, M17, M18, M26, M27, M28)
71	0121R00213	CAPACITOR STRAP (QTY 2)
81	PCBHR104	PCB, CONTROL BOARD
151	0159R00011	WIRE ASSEMBLY, ECM MOTOR (M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
151	0159R00010	WIRE ASSEMBLY, PSC MOTOR (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18)
161	0130M00054	OUTDOOR AIR TEMP SENSOR
NS	0161R00010P	AMANA NAMEPLATE
NS	0130R00007	SHARED DATA (M1, M2, M3, M4, M5)
NS	0130R00009	SHARED DATA (M6, M7, M8, M9, M10)
NS	0130R00010	SHARED DATA (M19, M20, M21, M22)
NS	0130R00012	SHARED DATA (M11, M12, M13, M14)
NS	0130R00014	SHARED DATA (M23, M24, M25)
NS	0130R00016	SHARED DATA (M15, M16, M17, M18)
NS	0130R00018	SHARED DATA (M26, M27, M28)

Expanded Model Nomenclature

M1 - ASZC160241AA
M2 - ASZC160241AB
M3 - ASZC160241AC
M4 - ASZC160241AD
M5 - ASZC160241AE
M6 - ASZC160361AA
M7 - ASZC160361AB
M8 - ASZC160361AC
M9 - ASZC160361AD
M10 - ASZC160361AE
M11 - ASZC160481AA
M12 - ASZC160481AB
M13 - ASZC160481AC
M14 - ASZC160481AD
M15 - ASZC160601AA
M16 - ASZC160601AB
M17 - ASZC160601BA
M18 - ASZC160601BB
M19 - ASZC180361AA
M20 - ASZC180361AB
M21 - ASZC180361AC
M22 - ASZC180361AD
M23 - ASZC180481AA
M24 - ASZC180481AB
M25 - ASZC180481AC
M26 - ASZC180601AA
M27 - ASZC180601AB
M28 - ASZC180601BA

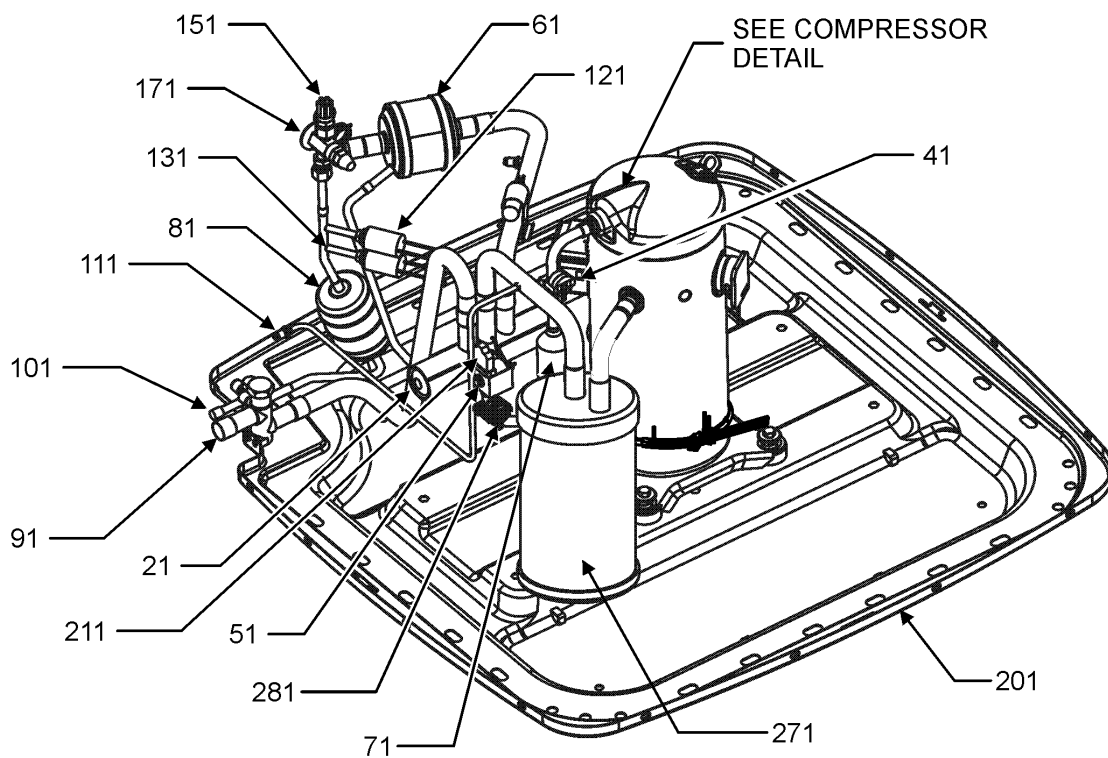
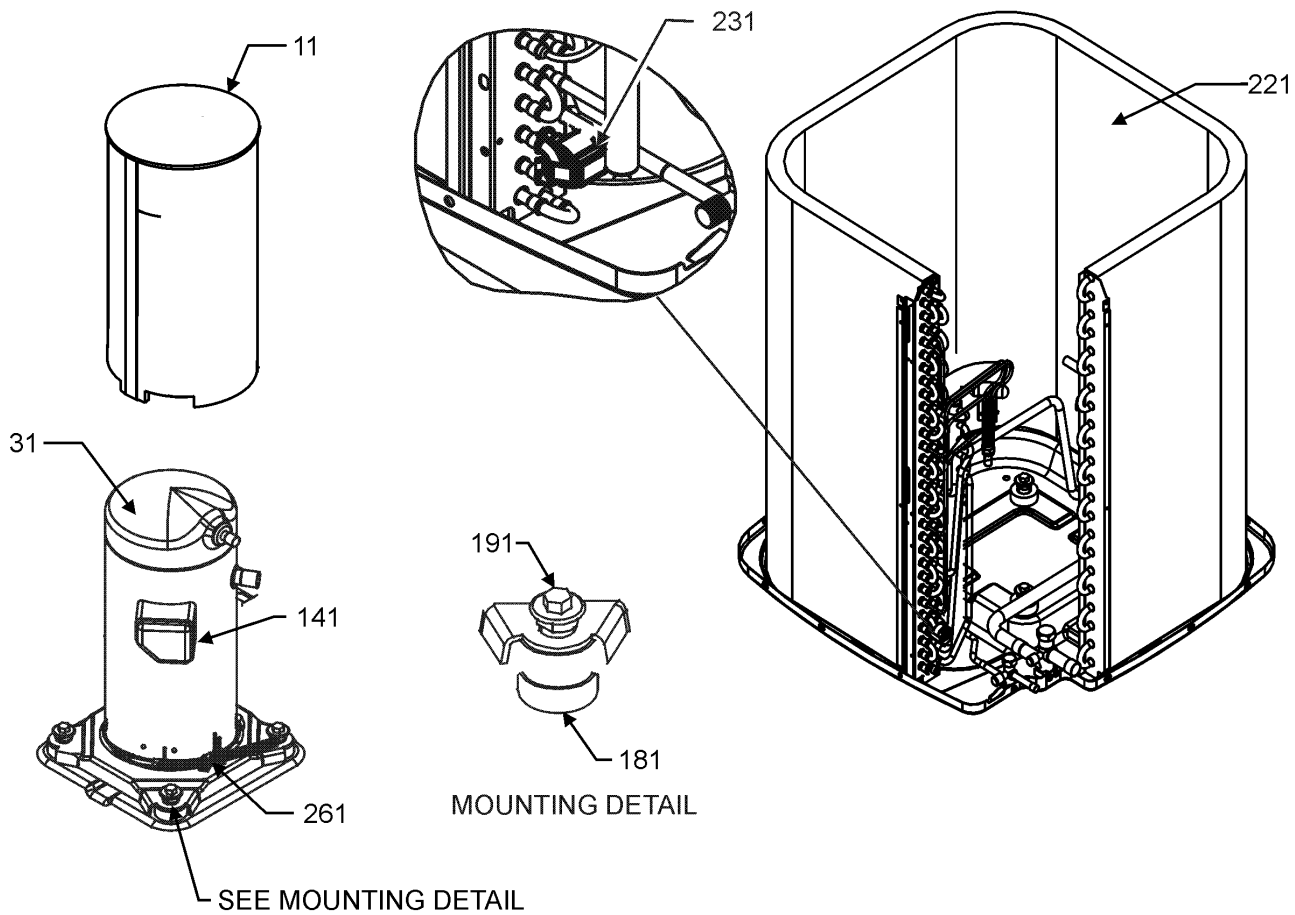
*If end bells are needed please order the following:

0131M00182 - 1/2 HP

0131M00183 - 3/4 HP

0131M00184 - 1 HP

Compressor and Tubing Assembly



Compressor and Tubing Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Image 1:	
11 0160M00005	COMPRESSOR SOUND BLANKET (M1, M2, M6, M7, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M23, M24, M25, M26, M27, M28)	211 B1225024	SOLENOID COIL CORD W/1/4"TERMI (M1, M6, M11, M15, M19, M23, M26)
11 B1488810	COMPRESSOR SOUND BLANKET (M3, M4, M5, M8, M9, M10, M21, M22)	211 0130M00084	SOLENOID HARNESS W/1/4" TERM (M2, M3, M4, M5, M7, M8, M9, M10, M12, M13, M14, M16, M17, M18, M20, M21, M22, M24, M25, M27, M28)
21 0151M00018	REVERSING VALVE (M1, M2, M3, M4, M5)	221 0201R00200	COIL TUBING ASSY (M1, M2)
21 0151M00021	REVERSING VALVE (M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	221 0201R00201	COIL TUBING ASSY (M6, M7)
		221 0201R00203	COIL TUBING ASSY (M11, M12, M15, M16, M23, M24, M26, M27)
31 ZPS20K5EPFV130	COMP, 20000,208/230 (M3, M4, M5)	221 0201R00204	COIL TUBING ASSY (M19, M20)
31 ZPS30K5EPFV130	COMP,30000,208/230 (M8, M9, M10, M19, M20, M21, M22)	221 0201R00341	TUBING ASSY, COND COIL (M13, M14, M17, M18, M25, M28)
31 ZPS20K4EPFV230	COMPRESSOR 20000, 208/230/60/1/2STG (M1, M2)	221 0201R00346	TUBING ASSY, COND COIL (M3, M4, M5)
		221 0201R00347	TUBING ASSY, COND COIL (M8, M9, M10)
31 ZPS30K4EPFV230	COMPRESSOR 30000, 208/230/60/1/2STG (M6, M7)	221 0201R00348	TUBING ASSY, COND COIL (M21, M22)
31 ZPS40K4EPFV230	COMPRESSOR 40000, 208/230/60/1/2STG (M11, M12, M13, M14, M23, M24, M25)	231 0130M00053	OUTDOOR COIL TEMP SENSOR
		261 0163R00006	HEATER, CRANKCASE 230V, 40W (M3, M4, M5, M8, M9, M10, M19, M20, M21, M22)
31 ZPS49K4EPFV230	COMPRESSOR 49200, 208/230/60/1/2STG (M17, M18, M28)	261 0163R00007	HEATER, CRANKCASE 230V, 40W (M13, M14, M17, M18, M25, M28)
31 ZPS51K4EPFV230	COMPRESSOR 52000, 208/230/60/1/2STG (M15, M16, M26, M27)	271 0151L00008	ACCUMULATOR (M3, M4, M5)
		271 0151L00009	ACCUMULATOR (M8, M9, M10, M21, M22)
41 11046710	DISC-THERMOSTAT	271 0151L00010	ACCUMULATOR (M13, M14, M17, M18, M25, M28)
51 B1225022	SOLENOID COIL	281 0130M00106	DISC THERMOSTAT CRNKCS HTR SW (M3, M4, M5, M8, M9, M10, M13, M14, M17, M18, M21, M22, M25, M28)
61 20270812	COMPENSATOR (M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	NS 0163M00087	ACCESS FITTING (M3, M4, M5, M8, M9, M10, M13, M14, M17, M18, M21, M22, M25, M28)
61 0151R00005	COMPENSATOR 16 OZ (M6, M7, M8, M9, M10)	NS B1373305	ACCESS FITTING
61 0151R00006	COMPENSATOR 3.5 (M1, M2, M3, M4, M5)	NS B1373310	ACCESS FITTING (M1, M2, M6, M7, M11, M12, M15, M16, M19, M20, M23, M24, M26, M27)
71 0162R00007	MUFFLER 1/2 X 1/2 (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M21, M22, M23, M24, M25, M26, M27, M28)	NS 0163M00175	CAP WITH O-RING
		NS B1796633	TEFLON O-RING (QTY 2)
71 B1219301	MUFFLER 1/2 X 1/2 (M19, M20)		
81 20485201	BI-FLOW FILTER DRIER		
91 0151R00079	BASE VALVE 3/4" (M1, M2, M3, M4, M5)		
91 0151R00080	BASE VALVE 7/8" (M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)		
101 0151R00078	BASE VALVE 3/8"		
111 B1787000	VALVE CORE		
121 0130R00003	CUT-OUT SWITCH, HIGH PRESSURE		
131 0130R00002	CUT-OUT SWITCH, LOW PRESSURE		
141 0130M00005P	WIRE HARNESS, COMPRESSOR SOLENOID		
171 0151M00068	VALVE, TXV R-410A (M11, M12, M13, M14, M15, M16, M17, M18, M23, M24, M25, M26, M27, M28)		
171 0151M00069	VALVE, TXV R-410A (M6, M7, M8, M9, M10, M19, M20, M21, M22)		
171 0151M00070	VALVE, TXV R-410A (M1, M2, M3, M4, M5)		
181 0164M00018	COMPRESSOR GROMMET (M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)		
181 B1339533	COMPRESSOR GROMMET (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18)		
191 M0221641	TF SHOULDER SCREW (QTY 4)		
201 0121R00006PDG	BASE PAN 29" (M1, M2, M3, M4, M5)		
201 0121R00007PDG	BASE PAN 35" (M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)		

Compressor and Tubing Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Expanded Model Nomenclature

M1 - ASZC160241AA
M2 - ASZC160241AB
M3 - ASZC160241AC
M4 - ASZC160241AD
M5 - ASZC160241AE
M6 - ASZC160361AA
M7 - ASZC160361AB
M8 - ASZC160361AC
M9 - ASZC160361AD
M10 - ASZC160361AE
M11 - ASZC160481AA
M12 - ASZC160481AB
M13 - ASZC160481AC
M14 - ASZC160481AD
M15 - ASZC160601AA
M16 - ASZC160601AB
M17 - ASZC160601BA
M18 - ASZC160601BB
M19 - ASZC180361AA
M20 - ASZC180361AB
M21 - ASZC180361AC
M22 - ASZC180361AD
M23 - ASZC180481AA
M24 - ASZC180481AB
M25 - ASZC180481AC
M26 - ASZC180601AA
M27 - ASZC180601AB
M28 - ASZC180601BA