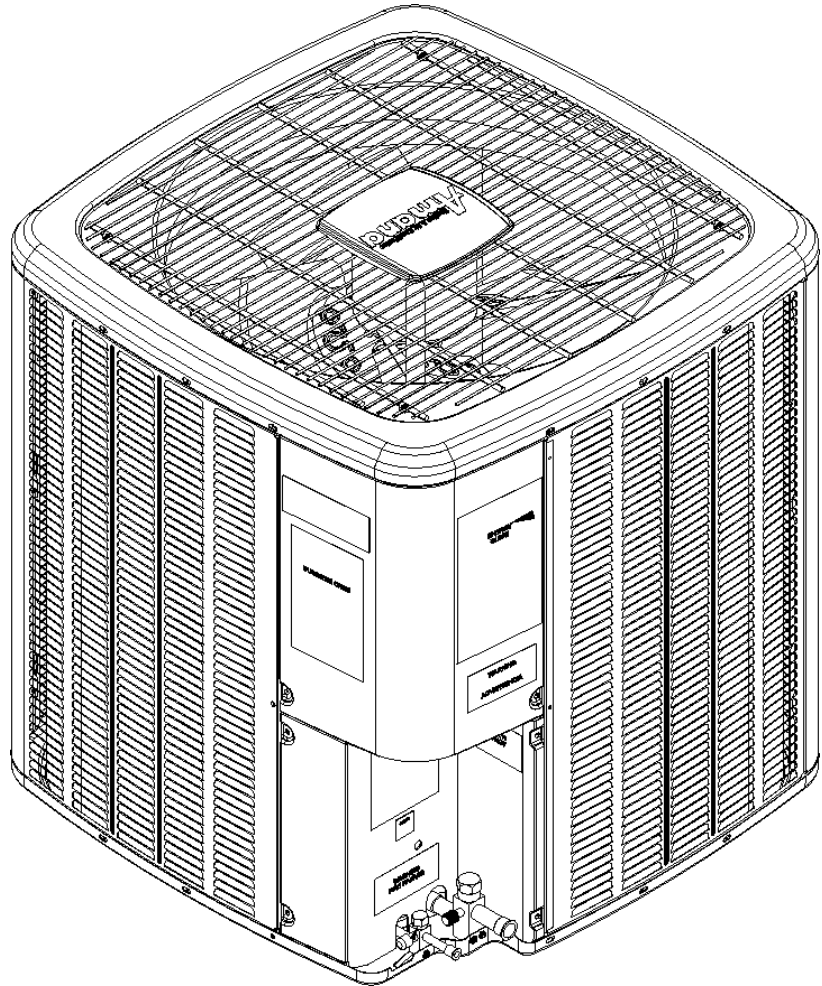


ASX16 Remote Condensing Unit

ASX160181FA
ASX160181FB
ASX160241FA
ASX160241FB
ASX160241FC
ASX160301FA
ASX160301FB
ASX160301FC
ASX160361FA
ASX160361FB
ASX160421FA
ASX160421FB
ASX160481FA
ASX160481FB
ASX160601FA
ASX160601FB
ASX160601FC
ASX160611FA
ASX160611FB



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This manual is to be used by qualified technicians only.

This manual replaces RP-773D.

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Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 9

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:**

0151R00081	7/8" BALL VALVE (M14, M16, M17, M19)
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, M15, M18)
CAP050300440CS	CAP.5/30MFD/440V/DUAL RD (M1, M2)
CAP050350440CS	CAPACITOR 5/35/440V (M3, M4, M5)
CAP050400440CT	CAPACITOR 5/40/440V/DUAL RD (M6, M7,
CAP050450440CT	CAPACITOR 5/45/440V/DUAL RD (M9, M10, M11, M12, M13, M14)
CAP050700440CT	CAPACITOR 5/70/440V/DUAL RD (M15, M16, M17, M18, M19)
ZP14K5EPFV130	COMP, 14650,208/230/60/1 (M1, M2)
ZP24K5EPFV130	COMP,24000,208/230/60/1 (M6, M7, M8)
ZP29K5EPFV130	COMP,29000,208/230/60/1 (M9, M10)
ZP44K5EPFV130	COMP,44400,280/230/60/1 (M15, M16, M17)
ZP49K5EPFV130	COMP,49400,208/230/60/1 (M18, M19)
ZP20K5EPFV130	COMPRESSOR 20000, 208/230/60/1 (M3, M4, M5)
ZP34K5EPFV130	COMPRESSOR 34500, 208/230/60/1 (M11, M12)
ZP36K5EPFV130	COMPRESSOR 36200, 208/230/60/1 (M13, M14)
0131M00061	COND MOTOR 1/4 HP, 1 SP, 8 PL (M13, M14, M18, M19)
0131M00060	COND MOTOR 1/6 HP, 1 SP, 8 PL (M1, M3, M6, M9, M11)
0131M00753	COND MOTOR, 1/6HP, 1SP, 8PL, AL (M2, M4, M5, M7, M8, M10, M12)
0131M00401	COND MOTOR, ECM (M15, M16, M17)
CONT1P025024V	CONTACTOR 25 AMP, 1P, 24V (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)
CONT1P030024V	CONTACTOR 30 AMP, 1P, 24V (M11, M12, M13, M14, M15, M16, M17, M18, M19)
571006600	CoreSense Module
0130R00056	CUT-OUT SWITCH, HIGH PRESSURE
0150M00008	FAN BLADE 22" TNT2203-25 (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)
10625738	FAN BLADE 26" ALUM CCW (M11, M12, M13, M14, M18, M19)
0150M00010	FAN BLADE 26" ALUM CCW (M15, M16, M17)
0163R00003	HEATER, CRANKCASE 230V 40W (M15, M16, M17)

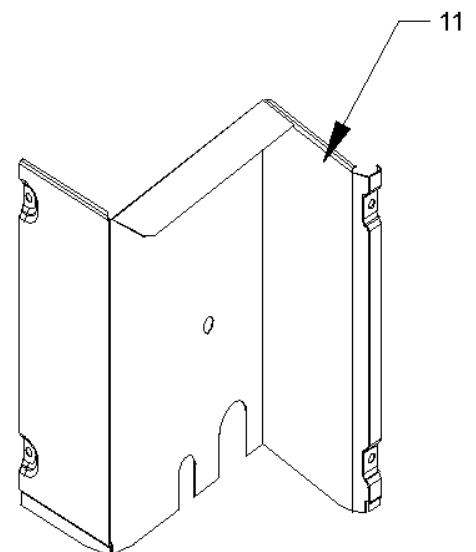
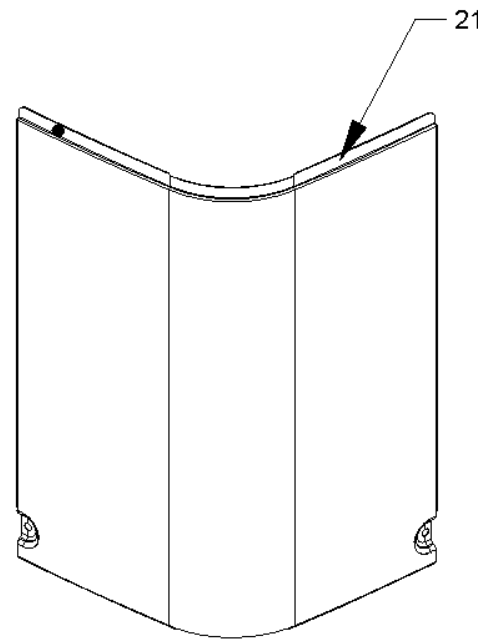
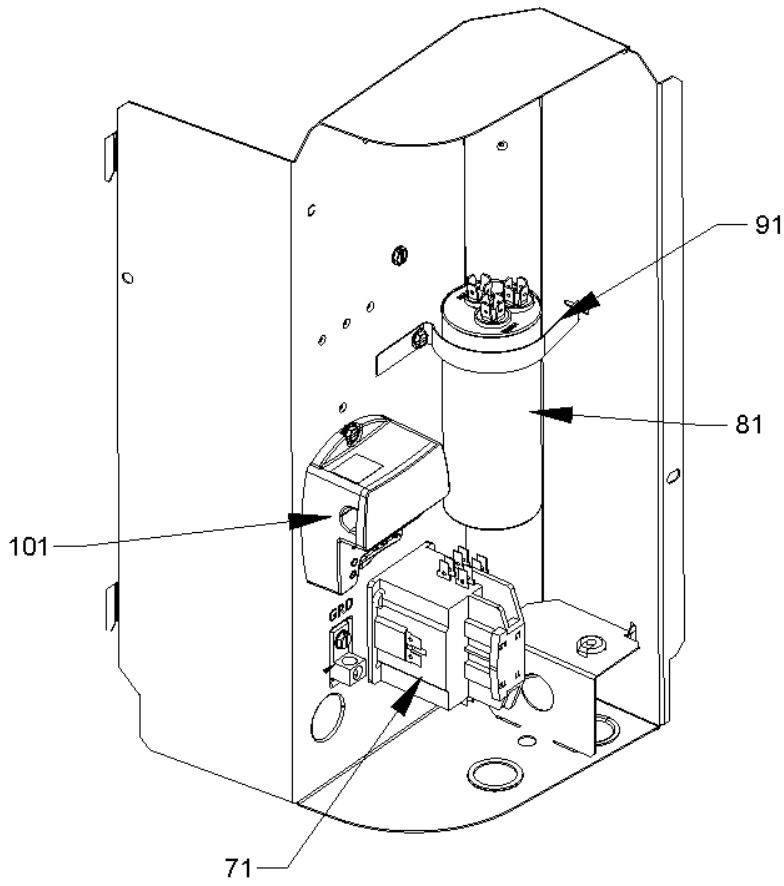
Expanded Model Nomenclature

M1 - ASX160181FA
M2 - ASX160181FB
M3 - ASX160241FA
M4 - ASX160241FB
M5 - ASX160241FC
M6 - ASX160301FA
M7 - ASX160301FB
M8 - ASX160301FC
M9 - ASX160361FA
M10 - ASX160361FB
M11 - ASX160421FA
M12 - ASX160421FB
M13 - ASX160481FA
M14 - ASX160481FB
M15 - ASX160601FA
M16 - ASX160601FB
M17 - ASX160601FC
M18 - ASX160611FA
M19 - ASX160611FB

SPECIAL PARTS

0161R00008P	AMANA LOGO CAP
0161R00010P	AMANA NAMEPLATE

Control Box



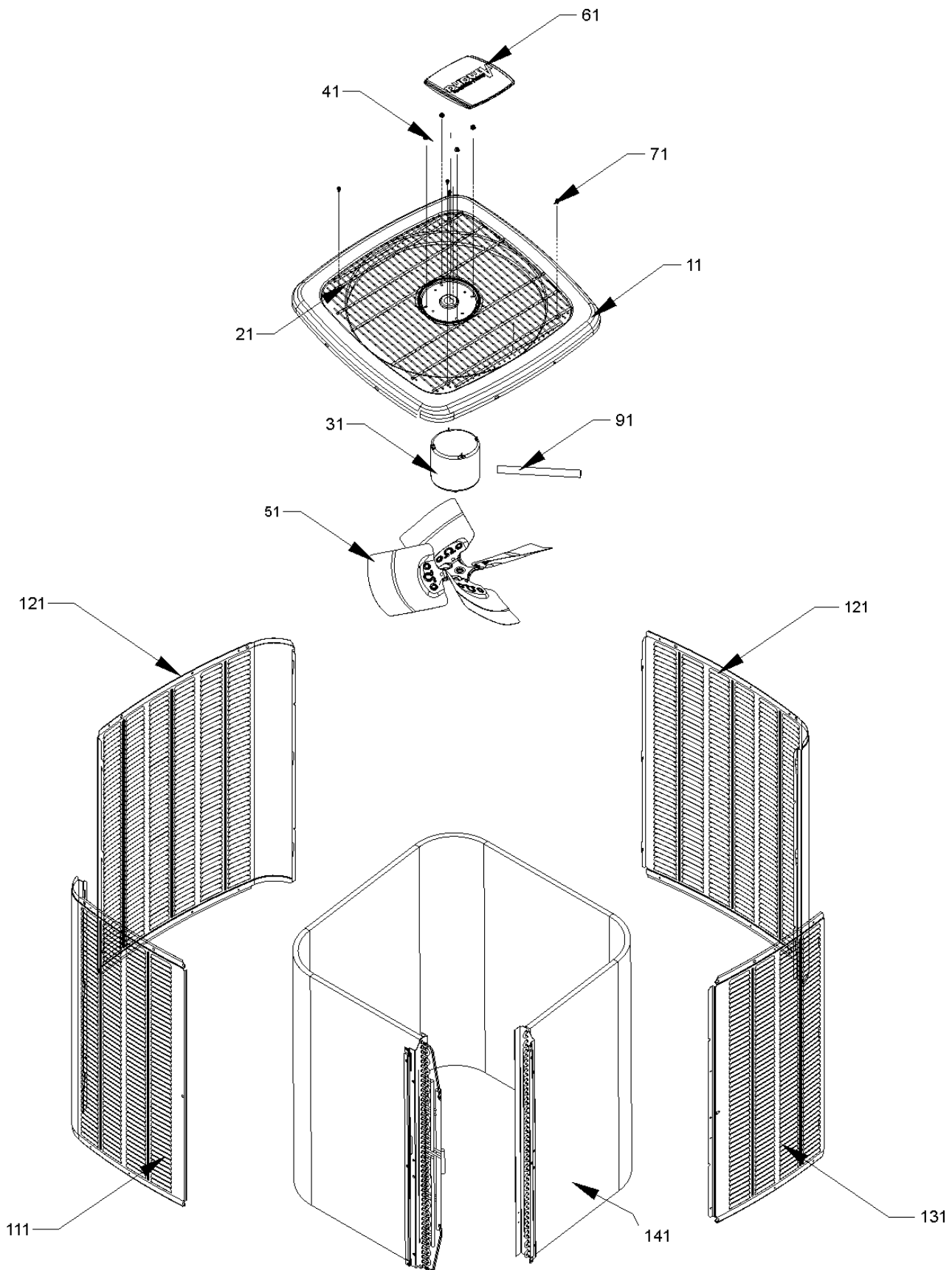
Control Box

Ref. Part No:	No:	Description:	Ref. Part No:	No:	Description:
Image 1:					
11	0121R00316PDG	PANEL, LOWER ACCESS PNT (M9, M10, M13, M14, M18, M19)			
11	0121R00318PDG	PANEL, LOWER ACCESS PNT (M15, M16, M17)			
11	0121R00319PDG	PANEL, LOWER ACCESS PNT (M6, M7, M8, M11, M12)			
11	0121R00663PDG	PANEL, LOWER ACCESS PNT (M1, M2, M3, M4, M5)			
21	0121R00053PDG	CONTROL COVER			
71	CONT1P025024V	CONTACTOR 25 AMP, 1P, 24V (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)			
71	CONT1P030024V	CONTACTOR 30 AMP, 1P, 24V (M11, M12, M13, M14, M15, M16, M17, M18, M19)			
81	CAP050300440CS	CAP,5/30MFD/440V/DUAL RD (M1, M2)			
81	CAP050350440CS	CAPACITOR 5/35/440V (M3, M4, M5)			
81	CAP050400440CT	CAPACITOR 5/40/440V/DUAL RD (M6, M7, M8)			
81	CAP050450440CT	CAPACITOR 5/45/440V/DUAL RD (M9, M10, M11, M12, M13, M14)			
81	CAP050700440CT	CAPACITOR 5/70/440V/DUAL RD (M15, M16, M17, M18, M19)			
91	4400065	CAPACITOR STRAP			
101	571006600	CoreSense Module			
NS	0161R00010P	AMANA NAMEPLATE			

Expanded Model Nomenclature

- M1 - ASX160181FA
- M2 - ASX160181FB
- M3 - ASX160241FA
- M4 - ASX160241FB
- M5 - ASX160241FC
- M6 - ASX160301FA
- M7 - ASX160301FB
- M8 - ASX160301FC
- M9 - ASX160361FA
- M10 - ASX160361FB
- M11 - ASX160421FA
- M12 - ASX160421FB
- M13 - ASX160481FA
- M14 - ASX160481FB
- M15 - ASX160601FA
- M16 - ASX160601FB
- M17 - ASX160601FC
- M18 - ASX160611FA
- M19 - ASX160611FB

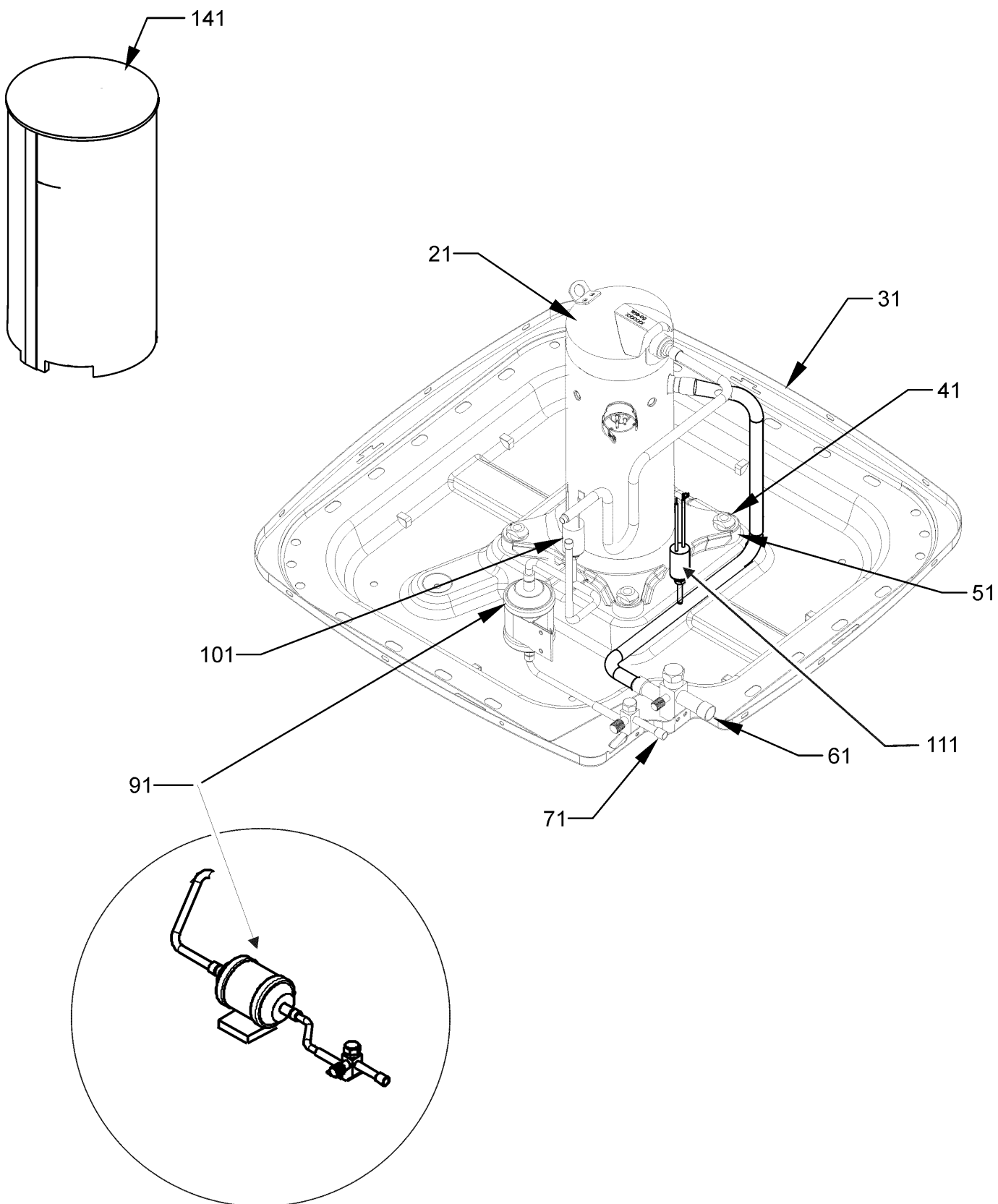
Cabinet Top / Side Panels



Cabient Top / Side Panels

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:																			
Image 1:		Image 1:																				
11	0121R00011PDG VENTURI TOP PANEL 29" (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)	141	0201R00236 COIL TUBING ASSY (M9, M10)																			
11	0121R00013PDG VENTURI TOP PANEL 35" (M11, M12, M13, M14, M15, M16, M17, M18, M19)	141	0201R00296 COIL TUBING ASSY (M1, M2, M3, M4, M5)																			
21	0152R00011 GRILLE, WIRE 29" TOP (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)	141	0201R00311 COIL TUBING ASSY (M11, M12)																			
21	0152R00014 GRILLE, WIRE 35" TOP (M11, M12, M13, M14, M15, M16, M17, M18, M19)	141	0201R00315 COIL TUBING ASSY (M6, M7, M8)																			
31	0131M00061 COND MOTOR 1/4 HP, 1 SP, 8 PL (M13, M14, M18, M19)	141	0201R00433 COIL TUBING ASSY (M13, M14, M18, M19)																			
31	0131M00060 COND MOTOR 1/6 HP, 1 SP, 8 PL (M1, M3, M6, M9, M11)	141	0201R00434 COIL TUBING ASSY (M15, M16, M17)																			
31	0131M00753 COND MOTOR, 1/6HP, 1SP, 8PL, AL (M2, M4, M5, M7, M8, M10, M12)	Expanded Model Nomenclature																				
31	0131M00401 COND MOTOR, ECM (M15, M16, M17)	<table border="1"> <tr><td>M1 - ASX160181FA</td></tr> <tr><td>M2 - ASX160181FB</td></tr> <tr><td>M3 - ASX160241FA</td></tr> <tr><td>M4 - ASX160241FB</td></tr> <tr><td>M5 - ASX160241FC</td></tr> <tr><td>M6 - ASX160301FA</td></tr> <tr><td>M7 - ASX160301FB</td></tr> <tr><td>M8 - ASX160301FC</td></tr> <tr><td>M9 - ASX160361FA</td></tr> <tr><td>M10 - ASX160361FB</td></tr> <tr><td>M11 - ASX160421FA</td></tr> <tr><td>M12 - ASX160421FB</td></tr> <tr><td>M13 - ASX160481FA</td></tr> <tr><td>M14 - ASX160481FB</td></tr> <tr><td>M15 - ASX160601FA</td></tr> <tr><td>M16 - ASX160601FB</td></tr> <tr><td>M17 - ASX160601FC</td></tr> <tr><td>M18 - ASX160611FA</td></tr> <tr><td>M19 - ASX160611FB</td></tr> </table>		M1 - ASX160181FA	M2 - ASX160181FB	M3 - ASX160241FA	M4 - ASX160241FB	M5 - ASX160241FC	M6 - ASX160301FA	M7 - ASX160301FB	M8 - ASX160301FC	M9 - ASX160361FA	M10 - ASX160361FB	M11 - ASX160421FA	M12 - ASX160421FB	M13 - ASX160481FA	M14 - ASX160481FB	M15 - ASX160601FA	M16 - ASX160601FB	M17 - ASX160601FC	M18 - ASX160611FA	M19 - ASX160611FB
M1 - ASX160181FA																						
M2 - ASX160181FB																						
M3 - ASX160241FA																						
M4 - ASX160241FB																						
M5 - ASX160241FC																						
M6 - ASX160301FA																						
M7 - ASX160301FB																						
M8 - ASX160301FC																						
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M10 - ASX160361FB																						
M11 - ASX160421FA																						
M12 - ASX160421FB																						
M13 - ASX160481FA																						
M14 - ASX160481FB																						
M15 - ASX160601FA																						
M16 - ASX160601FB																						
M17 - ASX160601FC																						
M18 - ASX160611FA																						
M19 - ASX160611FB																						
41	M0280801 HEX NUT (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M18, M19)																					
41	B1393024 LOCK NUT (M15, M16, M17)																					
51	0150M00008 FAN BLADE 22" TNT2203-25 (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)																					
51	0150M00010 FAN BLADE 26" ALUM CCW (M15, M16, M17)																					
51	10625738 FAN BLADE 26" ALUM CCW (M11, M12, M13, M14, M18, M19)																					
61	0161R00008P AMANA LOGO CAP																					
71	0163M00003P SCREW #10 X 1/2, A, SLOT, SR, BLACK (QTY 6)																					
91	0161R00002P CONDUIT (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)																					
91	0161R00004P CONDUIT (M11, M12, M13, M14, M18, M19)																					
111	0121R00203PLGB LOUVERED SIDE PANEL (M9, M10)																					
111	4400464PLGB LOUVERED SIDE PANEL [LT OF CNTL PNL] (M15, M16, M17)																					
111	0121R00200PLGB LOUVERED SIDE PANEL [LT OF CNTL PNL] (M1, M2, M3, M4, M5)																					
111	0121R00202PLGB LOUVERED SIDE PANEL [LT OF CNTL PNL] (M6, M7, M8)																					
111	0121R00239PLGB LOUVERED SIDE PANEL [LT OF CNTL PNL] (M11, M12)																					
111	0121R00240PLGB LOUVERED SIDE PANEL [LT OF CNTL PNL] (M13, M14, M18, M19)																					
121	0121R00204PLGB LOUVERED SIDE PANEL (M1, M2, M3, M4, M5)																					
121	0121R00205PLGB LOUVERED SIDE PANEL (M6, M7, M8)																					
121	0121R00206PLGB LOUVERED SIDE PANEL (M9, M10)																					
121	0121R00243PLGB LOUVERED SIDE PANEL (M11, M12)																					
121	0121R00244PLGB LOUVERED SIDE PANEL (M13, M14, M18, M19)																					
121	4400466PLGB PANEL 2, BENT LOUVER (M15, M16, M17)																					
131	0121R00193PLG LOUVERED SIDE PANEL [RT OF CNTL PNL] (M1, M2, M3, M4, M5)																					
131	0121R00194PLG LOUVERED SIDE PANEL [RT OF CNTL PNL] (M6, M7, M8)																					
131	0121R00195PLG LOUVERED SIDE PANEL [RT OF CNTL PNL] (M9, M10)																					
131	0121R00247PLG LOUVERED SIDE PANEL [RT OF CNTL PNL] (M11, M12)																					
131	0121R00248PLG LOUVERED SIDE PANEL [RT OF CNTL PNL] (M13, M14, M18, M19)																					
131	4400468PLG LOUVERED SIDE PANEL [RT OF CNTL PNL] (M15, M16, M17)																					

Compressor / Tubing Assembly



Compressor / Tubing Assembly

**Ref. Part
No: No:**

Description:

**Ref. Part
No: No:**

Description:

Image 1:

21	ZP14K5EPFV130	COMP, 14650,208/230/60/1 (M1, M2)
21	ZP24K5EPFV130	COMP,24000,208/230/60/1 (M6, M7, M8)
21	ZP29K5EPFV130	COMP,29000,208/230/60/1 (M9, M10)
21	ZP44K5EPFV130	COMP,44400,280/230/60/1 (M15, M16, M17)
21	ZP49K5EPFV130	COMP,49400,208/230/60/1 (M18, M19)
21	ZP20K5EPFV130	COMPRESSOR 20000, 208/230/60/1 (M3, M4, M5)
21	ZP34K5EPFV130	COMPRESSOR 34500, 208/230/60/1 (M11, M12)
21	ZP36K5EPFV130	COMPRESSOR 36200, 208/230/60/1 (M13, M14)
31	0121R00006PDG	BASE PAN 29" (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)
31	0121R00007PDG	BASE PAN 35" (M11, M12, M13, M14, M15, M16, M17, M18, M19)
41	M0221641	TF SHOULDER SCREW (QTY 4)
51	B1339533	COMPRESSOR GROMMET (QTY 4)
61	0151R00081	7/8" BALL VALVE (M14, M16, M17, M19)
61	0151R00079	BASE VALVE 3/4" (M1, M2, M3, M4, M5)
61	0151R00080	BASE VALVE 7/8" (M6, M7, M8, M9, M10, M11, M12, M13, M15, M18)
71	0151R00078	BASE VALVE 3/8"
91	0162R00009	FILTER DRIER
101	0130R00056	CUT-OUT SWITCH, HIGH PRESSURE
111	0130M00082	LOW PRESSURE SWITCH
141	B1488806	COMPRESSOR SOUND BLANKET (M11, M12, M13, M14, M15, M16, M17, M18, M19)
141	B1488807	COMPRESSOR SOUND BLANKET (M9, M10)
141	B1488810	COMPRESSOR SOUND BLANKET (M1, M2, M3, M4, M5, M6, M7, M8)
NS	0159R00001P	COMPRESSOR SCROLL HARNESS (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)
NS	0159R00002P	COMPRESSOR SCROLL HARNESS (M11, M12, M13, M14, M15, M16, M17, M18, M19)
NS	B1789872	FLOW CHECK PISTON KIT (M9, M10)
NS	B1789886	FLOW CHECK PISTON KIT (M15, M16, M17)
NS	B1789849	FLOW CHECK PISTON KIT .049 (M1, M2)
NS	B1789857	FLOW CHECK PISTON KIT .057 (M3, M4, M5)
NS	B1789865	FLOW CHECK PISTON KIT .065 (M6, M7, M8)
NS	B1789874	FLOW CHECK PISTON KIT .074 (M11, M12)
NS	B1789878	FLOW CHECK PISTON KIT .078 (M13, M14)
NS	B1789888	FLOW CHECK PISTON KIT .088 (M18, M19)
NS	0163R00003	HEATER, CRANKCASE 230V 40W (M15, M16, M17)

Expanded Model Nomenclature

M1 - ASX160181FA
M2 - ASX160181FB
M3 - ASX160241FA
M4 - ASX160241FB
M5 - ASX160241FC
M6 - ASX160301FA
M7 - ASX160301FB
M8 - ASX160301FC
M9 - ASX160361FA
M10 - ASX160361FB
M11 - ASX160421FA
M12 - ASX160421FB
M13 - ASX160481FA
M14 - ASX160481FB
M15 - ASX160601FA
M16 - ASX160601FB
M17 - ASX160601FC
M18 - ASX160611FA
M19 - ASX160611FB