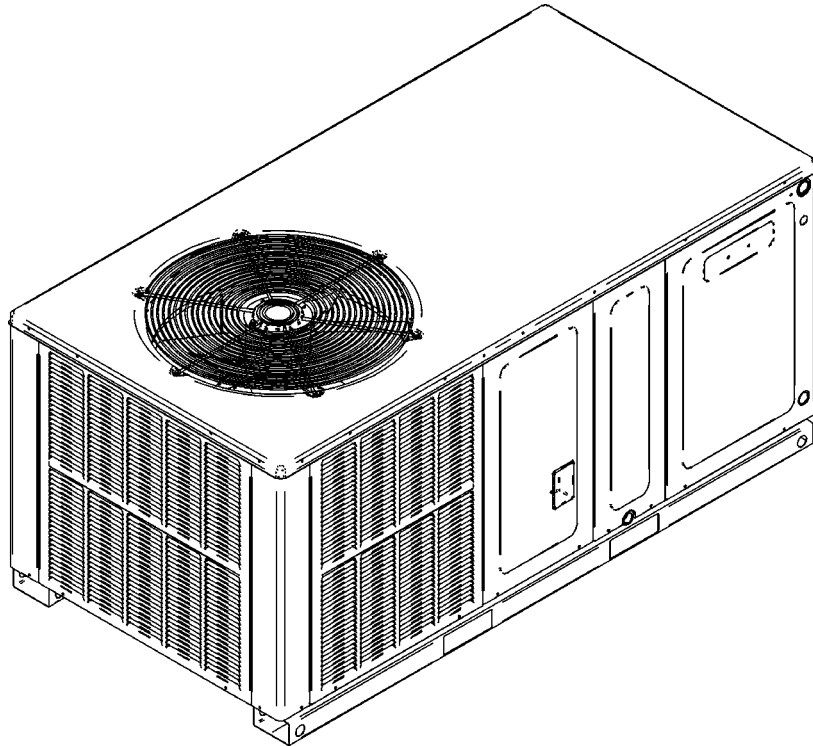


REPAIR PARTS

GPH13 "H" Model Package Heat Pump

GPH1324H41AB
GPH1324H41AC
GPH1324H41BA
GPH1324H41CA
GPH1330H41AB
GPH1330H41AC
GPH1330H41BA
GPH1330H41CA
GPH1336H41AB
GPH1336H41AC
GPH1336H41BA
GPH1336H41CA
GPH1342H41AB
GPH1342H41AC
GPH1342H41BA
GPH1342H41CA
GPH1348H41BB
GPH1348H41BC
GPH1348H41CA
GPH1348H41DA
GPH1360H41BB
GPH1360H41BC
GPH1360H41CA
GPH1360H41DA



This manual is to be used by qualified technicians only.

This manual replaces RP-630A.

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Important Information

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Illustration and Parts	4 - 11

Views shown are for parts illustrations only, not servicing procedures.

Rev B: Broad Ocean Digi Motor updates, addition of Single Point Wiring Kits and Aluminum Evaporator Coils

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 Manufacturing 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 Manufacturing Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

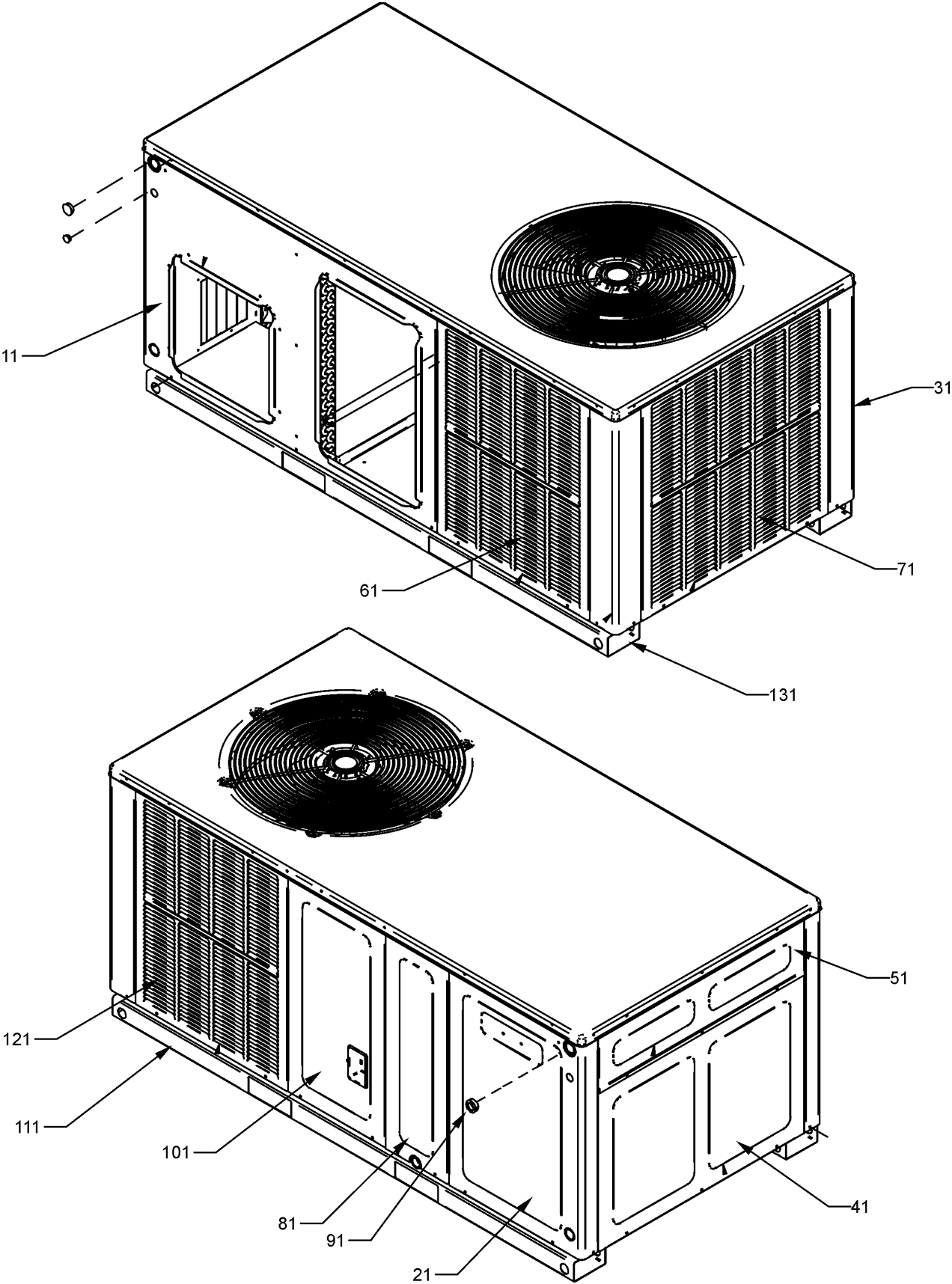
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Consumer Affairs Department
Goodman Manufacturing Company, L.P.
7401 Security Way
Houston, Texas 77040
877-254-4729-Telephone
713-863-2382-Facsimile

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International Division
Goodman Manufacturing Company, L.P.
7401 Security Way
Houston, Texas 77040
713-861-2500-Telephone
713-863-2382-Facsimile

[illegible]3

Cabinet Assembly



Cabinet Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0270G00008P	INSULATED ASSY, DUCT PANEL 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
11	0270G00009P	INSULATED ASSY, DUCT PANEL 32.5" (M9, M10, M11, M12, M13, M14, M15, M16)
11	0270G00010P	INSULATED ASSY, DUCT PANEL 36" (M17, M18, M19, M20, M21, M22, M23, M24)
21	0270G00011P	INSULATED ASSY, CORNER PANEL 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
21	0270G00012P	INSULATED ASSY, CORNER PANEL 32.5" (M9, M10, M11, M12, M13, M14, M15, M16)
21	0270G00013P	INSULATED ASSY, CORNER PANEL 36" (M17, M18, M19, M20, M21, M22, M23, M24)
31	0121G00047PDG	CORNER POST 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
31	0121G00048PDG	CORNER POST 32.5" (M9, M10, M11, M12, M13, M14, M15, M16)
31	0121G00082PDG	CORNER POST 36" (M17, M18, M19, M20, M21, M22, M23, M24)
41	0270G00113	INSULATED ASSY, BLOWER DOOR 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
41	0270G00114	INSULATED ASSY, BLOWER DOOR 32.5" (M9, M10, M11, M12, M13, M14, M15, M16)
41	0270G00115	INSULATED ASSY, BLOWER DOOR 36" (M17, M18, M19, M20, M21, M22, M23, M24)
51	0121G00276DG	EXTERNAL CONTROL BOX PANEL
61	0121G00069PDG	LOUVERED PANEL 4 BANK 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
61	0121G00090PDG	LOUVERED PANEL 4 BANK 36" (M17, M18, M19, M20, M21, M22, M23, M24)
61	0121G00070PDG	PNL, LVR, 32.5" 4BANK (M9, M10, M11, M12, M13, M14, M15, M16)
71	0121G00073PDG	LOUVERED PANEL 5 BANK 32.5" (M9, M10, M11, M12, M13, M14, M15, M16)
71	0121G00091PDG	LOUVERED PANEL 5 BANK 36" (M17, M18, M19, M20, M21, M22, M23, M24)
71	0121G00072PDG	PNL, LVR, 27.5" 5BANK (M1, M2, M3, M4, M5, M6, M7, M8)
81	0270G00017P	EVAP PANEL INSUL ASSY-27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
81	0270G00018P	EVAP PANEL INSUL ASSY-32.5" (M9, M10, M11, M12, M13, M14, M15, M16)
81	0270G00019P	EVAP PANEL INSUL ASSY-36" (M17, M18, M19, M20, M21, M22, M23, M24)
91	B1392011	GROMMET / HS .62 - .45
101	0121G00087P	PNL, COMP 8.75" X 36" (M17, M18, M19, M20, M21, M22, M23, M24)
101	0121G00062P	PNL, COMP, 13.68" X 27.50" (M1, M2, M3, M4, M5, M6, M7, M8)
101	0121G00060P	PNL, COMP, 8.75" X 32.50" (M9, M10, M11, M12, M13, M14, M15, M16)
111	0273G00001P	INSULATED ASSY, BASEPAN
121	0121G00069PDG	LOUVERED PANEL 4 BANK 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)
121	0121G00090PDG	LOUVERED PANEL 4 BANK 36" (M17, M18, M19, M20, M21, M22, M23, M24)
121	0121G00070PDG	PNL, LVR, 32.5" 4BANK (M9, M10, M11, M12, M13, M14, M15, M16)
131	0121G00044PRF	BASEPAN RAIL (QTY 2)

Expanded Model Nomenclature

M1 - GPH1324H41AB
M2 - GPH1324H41AC
M3 - GPH1324H41BA
M4 - GPH1324H41CA
M5 - GPH1330H41AB
M6 - GPH1330H41AC
M7 - GPH1330H41BA
M8 - GPH1330H41CA
M9 - GPH1336H41AB
M10 - GPH1336H41AC
M11 - GPH1336H41BA
M12 - GPH1336H41CA
M13 - GPH1342H41AB
M14 - GPH1342H41AC
M15 - GPH1342H41BA
M16 - GPH1342H41CA
M17 - GPH1348H41BB
M18 - GPH1348H41BC
M19 - GPH1348H41CA
M20 - GPH1348H41DA
M21 - GPH1360H41BB
M22 - GPH1360H41BC
M23 - GPH1360H41CA
M24 - GPH1360H41DA

Chassis Assembly

Image 1

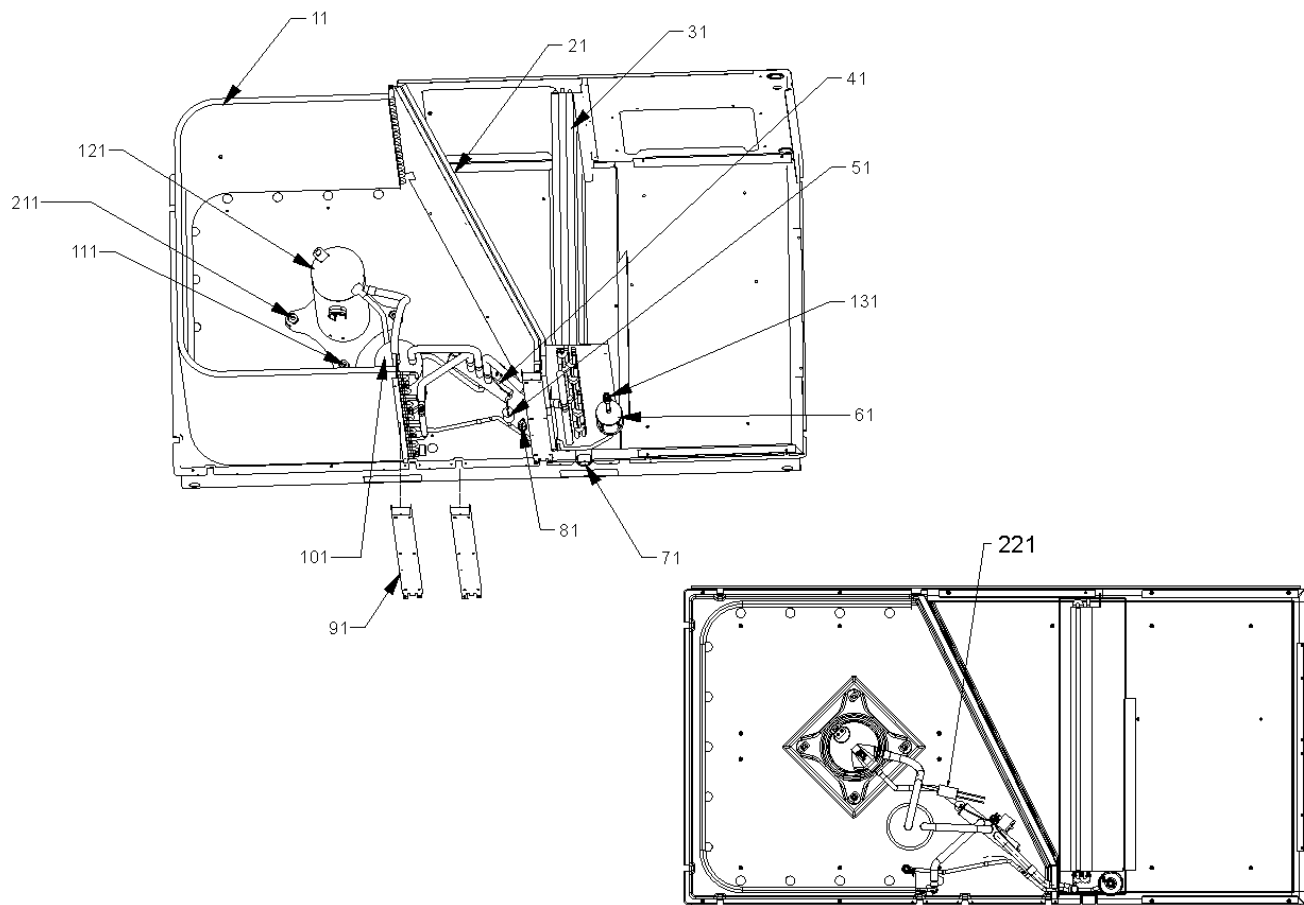


Image 2

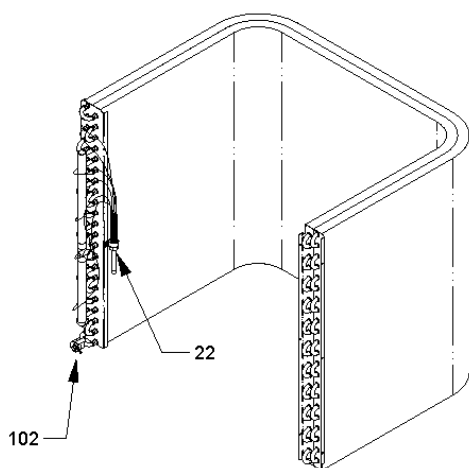
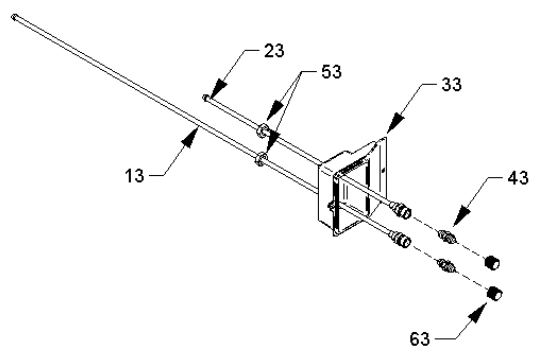


Image 3



Chassis Assembly

Ref. Part No: No:			Ref. Part No: No:		
Description:			Description:		
<i>Image 1:</i>			<i>Image 1:</i>		
11	0201G00123	COND COIL TUBING ASSY (M13)	121	ZP34K5EPFV130	COMP,34500,208/230/60/1 (M13, M14, M15, M16)
11	0201G00126	COND COIL TUBING ASSY (M9)	121	ZP21K5EPFV130	COMPRESSOR 21300, 208/230/60/1 (M1, M2, M3, M4)
11	0201G00131	COND COIL TUBING ASSY (M5)			
11	0201G00141	COND COIL TUBING ASSY (M21, M22, M23)	121	ZP25K5EPFV130	COMPRESSOR 25200, 208/230/60/1 (M5, M6, M7, M8)
11	0201G00145	COND COIL TUBING ASSY (M17, M18, M19)	121	ZP31K5EPFV130	COMPRESSOR 31100, 208/230/60/1 (M9, M10, M11, M12)
11	0201G00279	COND COIL TUBING ASSY (M4, M8)			
11	0201G00283	COND COIL TUBING ASSY (M24)	121	ZP39K5EPFV130	COMPRESSOR 39000, 208/230/60/1 (M17, M18, M19, M20)
11	0201G00285	COND COIL TUBING ASSY (M14, M15)	121	ZP51K5EPFV130	COMPRESSOR 51000, 208/230/60/1 (M21, M22, M23, M24)
11	0201G00286	COND COIL TUBING ASSY (M10, M11)			
11	0201G00287	COND COIL TUBING ASSY (M6, M7)	131	0162M00150	FLOWRATOR (M1, M2, M3)
11	0201G00291	COND COIL TUBING ASSY (M2, M3)	131	0162M00213	FLOWRATOR (M20)
11	0201G00293	COND COIL TUBING ASSY (M12)	131	0162M00061	FLOWRATOR .065 [EVAP] (M6, M7)
11	0201G00294	COND COIL TUBING ASSY (M16)	131	0162M00053	FLOWRATOR .068 (M10, M11)
11	0201G00297	COND COIL TUBING ASSY (M20)	131	0162M00109	FLOWRATOR .072 (M14, M15)
21	0121G00200	PANEL-PARTITION 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)	131	0162M00019P	FLOWRATOR .076 [EVAP] (M18, M19)
21	0121G00201	PANEL-PARTITION 32.5" (M9, M10, M11, M12, M13, M14, M15, M16)	131	0162M00093	FLOWRATOR .088 (M22, M23)
			211	M0221641	TF SHOULDER SCREW (QTY 4)
21	0121G00203	PANEL-PARTITION 36" (M17, M18, M19, M20, M21, M22, M23, M24)	221	0130M00075	LOW PRESSURE SWITCH (M2, M3, M4, M6, M7, M8, M10, M11, M12, M14, M15, M16, M18, M19, M20, M22, M23, M24)
31	0202G00257	EVAP COIL TUBING ASSY (M21)	NS	0159G00004	COMPRESSOR SCROLL HARNESS
31	0202G00261	EVAP COIL TUBING ASSY (M17)	NS	0121G00043P	EVAP DRIP SHIELD (M1, M2, M3, M5, M6, M7, M9, M10, M11, M13, M14, M15, M17, M18, M19, M21, M22, M23)
31	0202G00266	EVAP COIL TUBING ASSY (M13)			
31	0202G00270	EVAP COIL TUBING ASSY (M9)	NS	0128G00052	EVAP DRIP SHIELD (M4, M8, M12, M16, M20, M24)
31	0202G00271	EVAP COIL TUBING ASSY (M10, M11)	NS	B1225022	SOLENOID COIL
31	0202G00272	EVAP COIL TUBING ASSY (M5)	<i>Image 2:</i>		
31	0202G00273	EVAP COIL TUBING ASSY (M6, M7)	22	0162M00021P	FLOWRATOR .047 (M4, M8)
31	0202G00279	EVAP COIL TUBING ASSY (M2, M3)	22	0162M00016P	FLOWRATOR .055 (M5, M6, M7)
31	0202G00280	EVAP COIL TUBING ASSY (M1)	22	0162M00077	FLOWRATOR .061 [COND] (M2, M3)
31	0202G00386	EVAP COIL TUBING ASSY (M4)	22	0162M00098	FLOWRATOR .065 (M9, M10, M11, M12, M13, M14, M15, M16)
31	0202G00388	EVAP COIL TUBING ASSY (M8)			
31	0202G00389	EVAP COIL TUBING ASSY (M12)	22	0162M00094	FLOWRATOR .076 [COND] (M21, M22, M23)
31	0202G00390	EVAP COIL TUBING ASSY (M16)	102	0130M00099	CONTROL, DEFROST (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M17, M18, M19, M20, M21, M22, M23, M24)
31	0202G00391	EVAP COIL TUBING ASSY (M20)			
31	0202G00392	EVAP COIL TUBING ASSY (M24)	102	0130M00102	CONTROL, DEFROST (M13, M14, M15, M16)
31	0202G00302	TUBING ASSY, EVAP COIL (M22, M23)	<i>Image 3:</i>		
31	0202G00305	TUBING ASSY, EVAP COIL (M18, M19)	13	0210G00031P	PROCESS TUBE ASSY-SUCTION
31	0202G00307	TUBING ASSY, EVAP COIL (M14, M15)	23	0210G00030P	PROCESS TUBE ASSY-LIQUID (M1, M5, M9, M13, M17, M21)
41	0151M00019	REVERSING VALVE (M1, M2, M3, M4, M5, M6, M7, M8)	23	0210G00390	PROCESS TUBING ASSY- LIQ (M2, M3, M4, M6, M7, M8, M10, M11, M12, M14, M15, M16, M18, M19, M20, M22, M23, M24)
41	0151M00021	REVERSING VALVE (M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)	33	0161G00008	ACCESS-FITTING BOX
51	0130M00074	HIGH PRESSURE SWITCH	43	B1373315	ACCESS FITTING (QTY 2)
61	20485201	BI-FLOW FILTER DRIER	53	0163G00000P	FASTEST FITTING NUT (QTY 2)
71	0270G00004P	DRAIN PAN ASSY (M1, M2, M3, M5, M6, M7, M9, M10, M11, M13, M14, M15, M17, M18, M19, M21, M22, M23)	63	0163M00175	CAP WITH O-RING (QTY 2)
71	0270G00254	DRAIN PAN ASSY (M4, M8, M12, M16, M20, M24)			
81	0130M00075	LOW PRESSURE SWITCH (M1, M5, M9, M13, M17, M21)			
91	0121G00045P	POST 27.5" (M1, M2, M3, M4, M5, M6, M7, M8)			
91	0121G00079P	POST 32.5" (M9, M10, M11, M12, M13, M14, M15, M16)			
91	0121G00083P	POST 36" (M17, M18, M19, M20, M21, M22, M23, M24)			
101	B1226206	ACCUMULATOR (M1, M2, M3, M4, M5, M6, M7, M8)			
101	B1226207	ACCUMULATOR .875 (M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)			
111	B1339533	COMPRESSOR GROMMET (QTY 4)			

Chassis Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Expanded Model Nomenclature

M1 - GPH1324H41AB
M2 - GPH1324H41AC
M3 - GPH1324H41BA
M4 - GPH1324H41CA
M5 - GPH1330H41AB
M6 - GPH1330H41AC
M7 - GPH1330H41BA
M8 - GPH1330H41CA
M9 - GPH1336H41AB
M10 - GPH1336H41AC
M11 - GPH1336H41BA
M12 - GPH1336H41CA
M13 - GPH1342H41AB
M14 - GPH1342H41AC
M15 - GPH1342H41BA
M16 - GPH1342H41CA
M17 - GPH1348H41BB
M18 - GPH1348H41BC
M19 - GPH1348H41CA
M20 - GPH1348H41DA
M21 - GPH1360H41BB
M22 - GPH1360H41BC
M23 - GPH1360H41CA
M24 - GPH1360H41DA

Top Panel / Control Box Assembly

Image 1

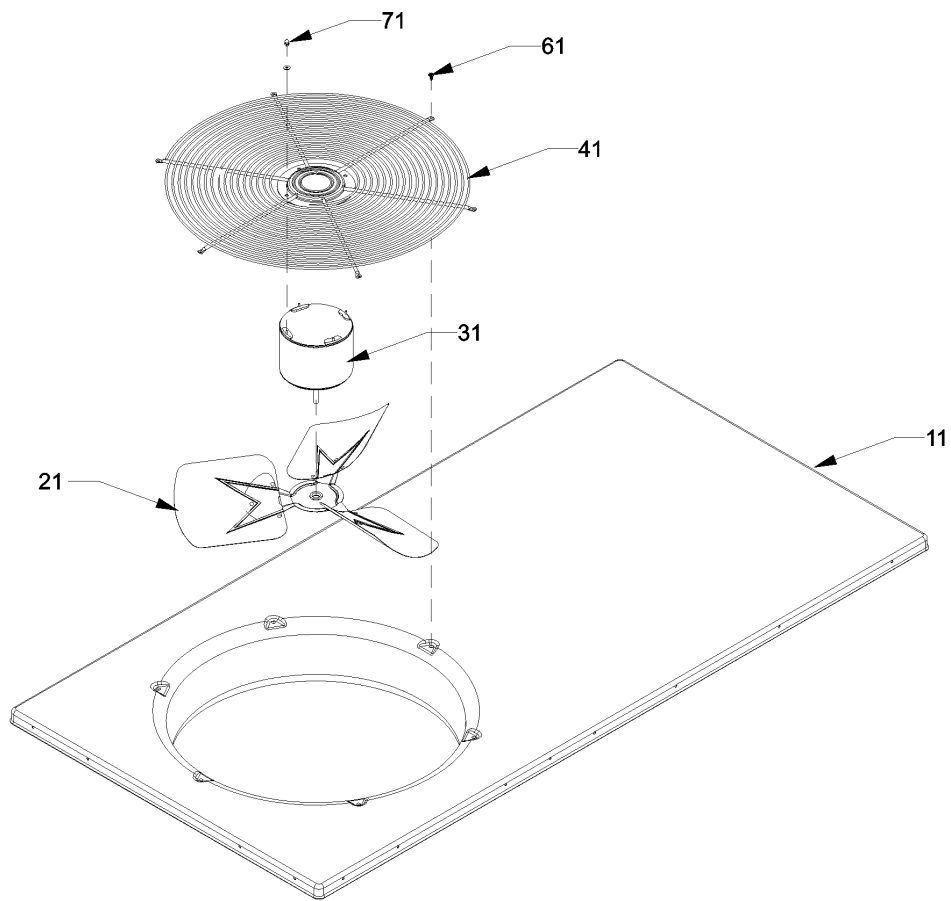
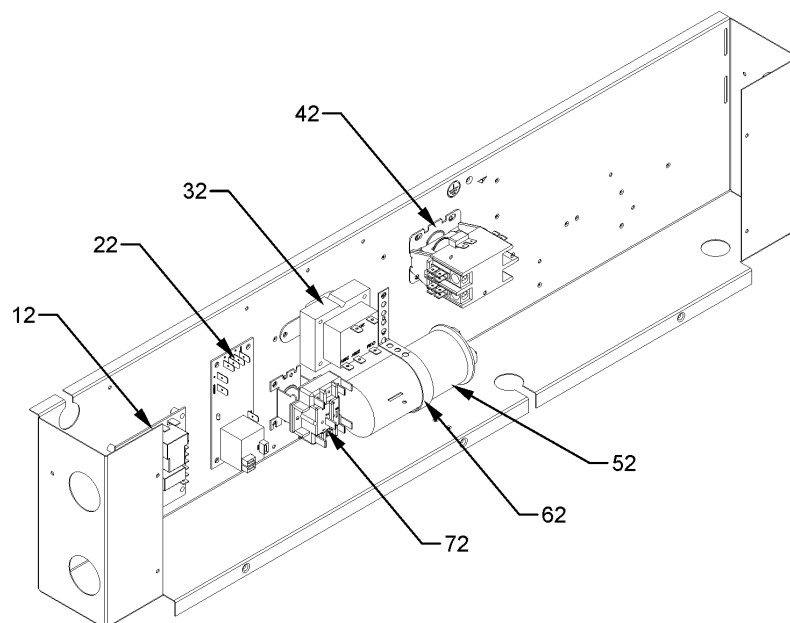


Image 2



Top Panel / Control Box Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0274G00037	INSULATED ASSY, TOP PANEL
21	0150G00001	FAN BLADE (M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
21	0150G00005	FAN BLADE (M1, M2, M3, M4, M5, M6, M7, M8)
21	B1086765	FAN BLADE TYPE 3 (M9, M10, M11, M12)
31	0131M00007P	COND MOTOR 1/4 HP, 1 SP, 6 PL (M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24)
31	0131M00061	COND MOTOR 1/4 HP, 1 SP, 8 PL (M9, M10, M11, M12)
31	0131M00009P	COND MOTOR 1/6 HP, 1 SP, 8 PL (M1, M2, M3, M4, M5, M6, M7, M8)
41	0152G00002	GRILLE-FAN
61	M0221817	SMALL SCREW
71	0163M00006P	ACORN NUT 5/16 HEX BLACK (QTY 4)
NS	17788000083F	PVC CONDUIT 8.25"
NS	0259G00003	WIRE HARNESS, ELECTRIC HEAT (M21, M22, M23, M24)
NS	0259G00005	WIRE HARNESS, ELECTRIC HEAT (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)

Image 2:

12	PCBDM160	PCB, DEFROST CONTROL
22	PCBFM131	ELECTRONIC BLOWER TIME DELAY RELAY (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)
32	B1141643	TRANSFORMER 208/230, 24V
42	CONT1P025024V	CONTACTOR 25 AMP, 1P, 24V (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
42	CONT2P030024V	CONTACTOR 30 AMP, 2P, 24V (M13, M14, M15, M16, M17, M18, M19, M20)
42	CONT2P040024V	CONTACTOR 40 AMP, 2P, 24V (M21, M22, M23, M24)
52	CAP050400440RT	CAPACITOR 5/40/440V (M1, M2, M3, M4, M5, M6, M7, M8)
52	CAP050450440RT	CAPACITOR 5/45/440V (M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)
52	CAP050700440RT	CAPACITOR 5/70 MFD/440V/DUAL RD (M21, M22, M23, M24)
62	20520901	CAPACITOR STRAP
72	0130M00014	240 VOLT RELAY (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)

Expanded Model Nomenclature

M1 - GPH1324H41AB
M2 - GPH1324H41AC
M3 - GPH1324H41BA
M4 - GPH1324H41CA
M5 - GPH1330H41AB
M6 - GPH1330H41AC
M7 - GPH1330H41BA
M8 - GPH1330H41CA
M9 - GPH1336H41AB
M10 - GPH1336H41AC
M11 - GPH1336H41BA
M12 - GPH1336H41CA
M13 - GPH1342H41AB
M14 - GPH1342H41AC
M15 - GPH1342H41BA
M16 - GPH1342H41CA
M17 - GPH1348H41BB
M18 - GPH1348H41BC
M19 - GPH1348H41CA
M20 - GPH1348H41DA
M21 - GPH1360H41BB
M22 - GPH1360H41BC
M23 - GPH1360H41CA
M24 - GPH1360H41DA

Blower Assembly

Image 1

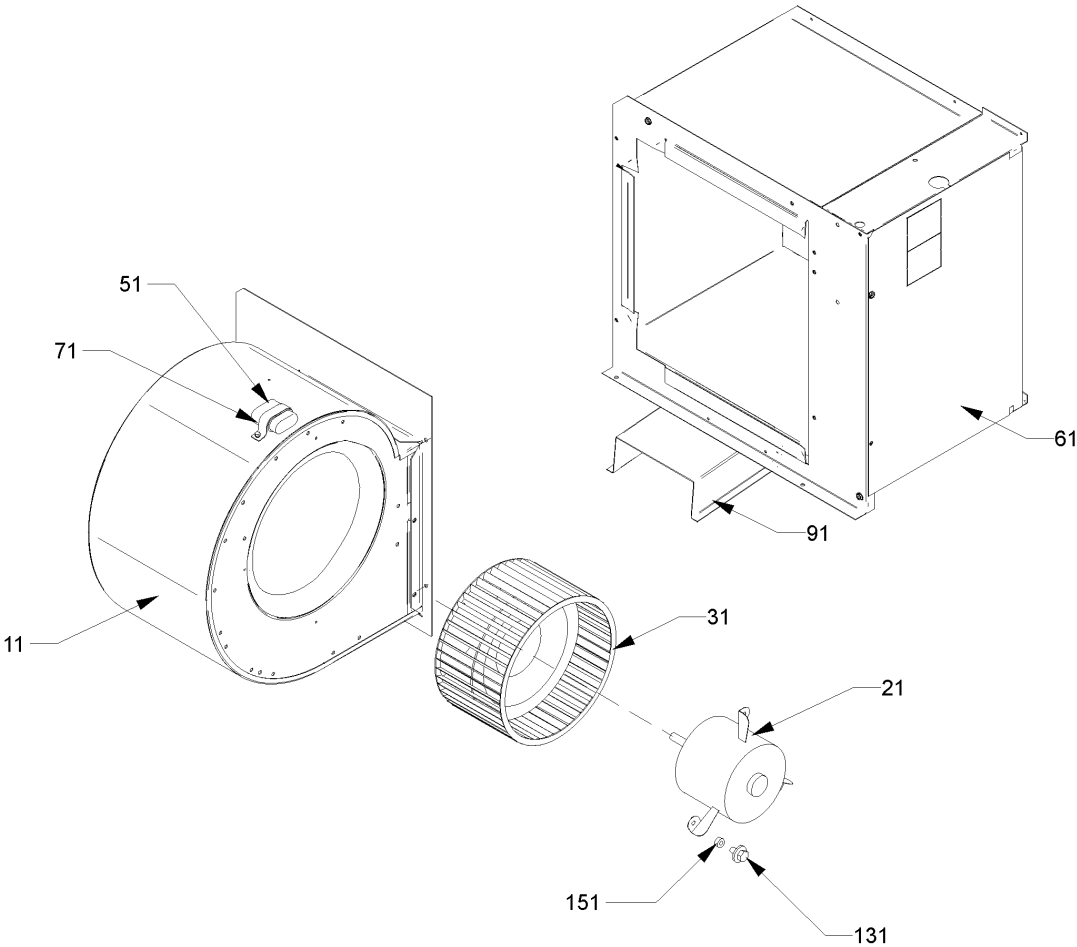
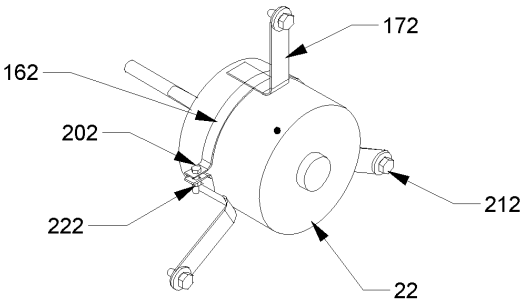


Image 2



Blower Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0271G00013P	BLOWER ASSY- 10 X 8 (M13, M14, M15, M16, M17, M18, M19, M20)
11	0271G00010P	BLOWER ASSY- 9 X 6 (M1, M2, M3, M4)
11	0271G00011P	BLOWER ASSY- 9 X 6 (M5, M6, M7, M8)
11	0271G00012P	BLOWER ASSY- 9 X 8 (M9, M10, M11, M12)
11	0271G00017	BLOWER HOUSING 11 X 8 (M21, M22, M23, M24)
21	0131M00010P	BLOWER MOTOR 1/2 HP, 3 SP, 8 PL (M13, M14, M15, M16, M17, M18, M19, M20)
21	11091202	BLOWER MOTOR 1/3 HP, 3 SP, 6 PL (M5, M6, M7, M8, M9, M10, M11, M12)
21	11091207	BLOWER MOTOR 1/4 HP, 3 SP, 8 PL (M1, M2, M3, M4)
31	B1368016S	BLOWER WHEEL 10 X 8 (M13, M14, M15, M16, M17, M18, M19, M20)
31	B1368054	BLOWER WHEEL 11 X 8 (M21, M22, M23, M24)
31	0150M00000	BLOWER WHEEL 9 X 6 (M5, M6, M7, M8)
31	B1368042	BLOWER WHEEL 9 X 6 (M1, M2, M3, M4)
31	B1368036S	BLOWER WHEEL 9 X 8 (M9, M10, M11, M12)
51	CAP100000370VA	CAPACITOR 10/370V [BLOWER] (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)
51	CAP150000370VA	CAPACITOR 15/370V (M13, M14, M15, M16, M17, M18, M19, M20)
61	0121G00039P	HEATER KIT COVER
71	20520901	CAPACITOR STRAP (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)
91	0121G00040P	BLOWER SUPPORT
131	M0250558	TC SCREW (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)
151	B1392143	GROMMET, 26TAL F/TORSIN FLEX (M1, M2, M3, M4, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)
NS	C6121802	BLOWER CUT-OFF (M1, M2, M3, M4, M5, M6, M7, M8)
NS	C6121810	BLOWER CUT-OFF (M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)
NS	2964700	BLOWER CUT-OFF 11 X 8 (M21, M22, M23, M24)
NS	B821700	CAPACITOR BOOT (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20)

Expanded Model Nomenclature

M1 - GPH1324H41AB
M2 - GPH1324H41AC
M3 - GPH1324H41BA
M4 - GPH1324H41CA
M5 - GPH1330H41AB
M6 - GPH1330H41AC
M7 - GPH1330H41BA
M8 - GPH1330H41CA
M9 - GPH1336H41AB
M10 - GPH1336H41AC
M11 - GPH1336H41BA
M12 - GPH1336H41CA
M13 - GPH1342H41AB
M14 - GPH1342H41AC
M15 - GPH1342H41BA
M16 - GPH1342H41CA
M17 - GPH1348H41BB
M18 - GPH1348H41BC
M19 - GPH1348H41CA
M20 - GPH1348H41DA
M21 - GPH1360H41BB
M22 - GPH1360H41BC
M23 - GPH1360H41CA
M24 - GPH1360H41DA

Image 2:

22	0131M00343	MOTOR - 3/4 HP PROGRAMMED SELE (M21, M22)
22	0131M00425	PROGRAMMED MOTOR (M23, M24)
162	0121M00038	MOTOR MOUNT BAND (M21, M22, M23, M24)
172	B1376857	MOTOR MOUNT ARM (M21, M22, M23, M24)
202	B1393800	LOCKNUT, NYLON, INSERT 1/4, 20 (M21, M22, M23, M24)
212	M0250565	TC SCREW 1.25" (M21, M22, M23, M24)
222	B1393323	MACHINE SCREW HWH 1/4-20 X 1-1/2 BZ (M21, M22, M23, M24)