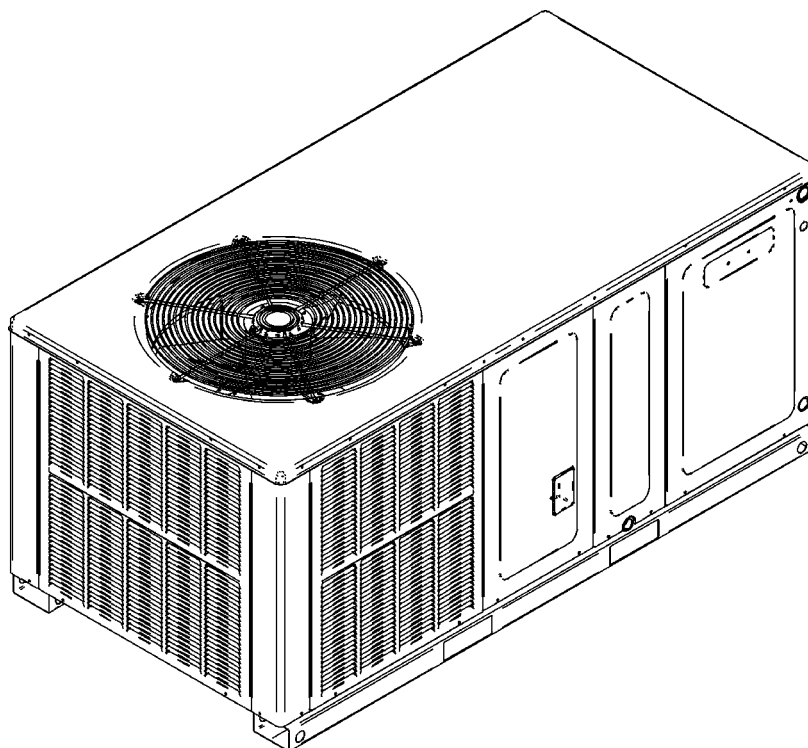


REPAIR PARTS

GPH13 "H" Model Package Heat Pumps

GPH1324H41AB
GPH1330H41AB
GPH1336H41AB
GPH1342H41AB
GPH1348H41BB
GPH1360H41BB



This manual is to be used by qualified technicians only.

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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.

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.

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

Functional Parts

Part

No:

Description:

		B1141643	TRANSFORMER 208/230, 24V
0130M00014	240 VOLT RELAY (M1, M2, M3, M4, M5)		
11091202S	BLOWER MOTOR 1/3 HP, 3 SP, 6 PL (M2, M3)		
11091207S	BLOWER MOTOR 1/4 HP, 3 SP, 8 PL (M1)		
0231K00042	BLOWER MOTOR 3/4 HP PROGRAMMED (M6)		
0131M00010P	BLOWER MOTOR, 1/2 HP, 3 SP, 8 PL (M4, M5)		
B1368016S	BLOWER WHEEL 10 X 8 (M4, M5)		
B1368054	BLOWER WHEEL 11 X 8 (M6)		
0150M00000S	BLOWER WHEEL 9 X 6 (M2)		
B1368042	BLOWER WHEEL 9 X 6 (M1)		
B1368036S	BLOWER WHEEL 9 X 8 (M3)		
CAP100000370VAS	CAPACITOR 10/370V [BLOWER] (M1, M2, M3)		
CAP150000370VAS	CAPACITOR 15/370V [BLOWER] (M4, M5)		
CAP050400440RT	CAPACITOR 5/40/440V (M1, M2)		
CAP050450440RT	CAPACITOR 5/45/440V (M3, M4, M5)		
CAP050700440RTS	CAPACITOR 5/70/440V (M6)		
ZP21K5EPFV830	COMPRESSOR 21300, 208/230/60/1 (M1)		
ZP25K5EPFV830	COMPRESSOR 25200, 208/230/60/1 (M2)		
ZP31K5EPFV830	COMPRESSOR 31100, 208/230/60/1 (M3)		
ZP34K5EPFV130	COMPRESSOR 34500, 208/230/60/1 (M4)		
ZP39K5EPFV830	COMPRESSOR 39000, 208/230/60/1 (M5)		
ZP51K5EPFV830	COMPRESSOR 51000, 208/230/60/1 (M6)		
0131M00007PS	COND MOTOR 1/4 HP, 1 SP, 6 PL (M4, M5, M6)		
0131M00061S	COND MOTOR 1/4 HP, 1 SP, 8 PL (M3)		
0131M00009P	COND MOTOR 1/6 HP, 1 SP, 8 PL (M1, M2)		
CONT1P025024VS	CONTACTOR 25 AMP, 1P, 24V (M1, M2, M3)		
CONT1P030024VS	CONTACTOR 30 AMP, 1P, 24V (M4, M5)		
CONT2P040024VS	CONTACTOR 40 AMP, 2P, 24V (M6)		
PCBDM133	DEFROST CONTROL BOARD		
0130M00057	DEFROST THERMOSTAT (M1, M2, M3, M5, M6)		
0130M00009P	DEFROST THERMOSTAT OPEN 60°, CLOSE 34° (M4)		
PCBFM131	ELECTRONIC BLOWER TIME DELAY RELAY (M1, M2, M3, M4, M5)		
0150G00001S	FAN BLADE (M4, M5, M6)		
0150G00005	FAN BLADE (M1, M2)		
B1086765	FAN BLADE, TYPE 3 (M3)		
0130M00074	HIGH PRESSURE SWITCH		
0130M00075	LOW PRESSURE SWITCH		
0151M00019	REVERSING VALVE (M1, M2)		
0151M00021	REVERSING VALVE (M3, M4, M5, M6)		
B1225022	SOLENOID COIL		

SPECIAL PARTS

IO-398

I&O

B1757910

SUPPLEMENTAL INSERT (EBTDR)

Expanded Model Nomenclature

M1 - GPH1324H41AB

M2 - GPH1330H41AB

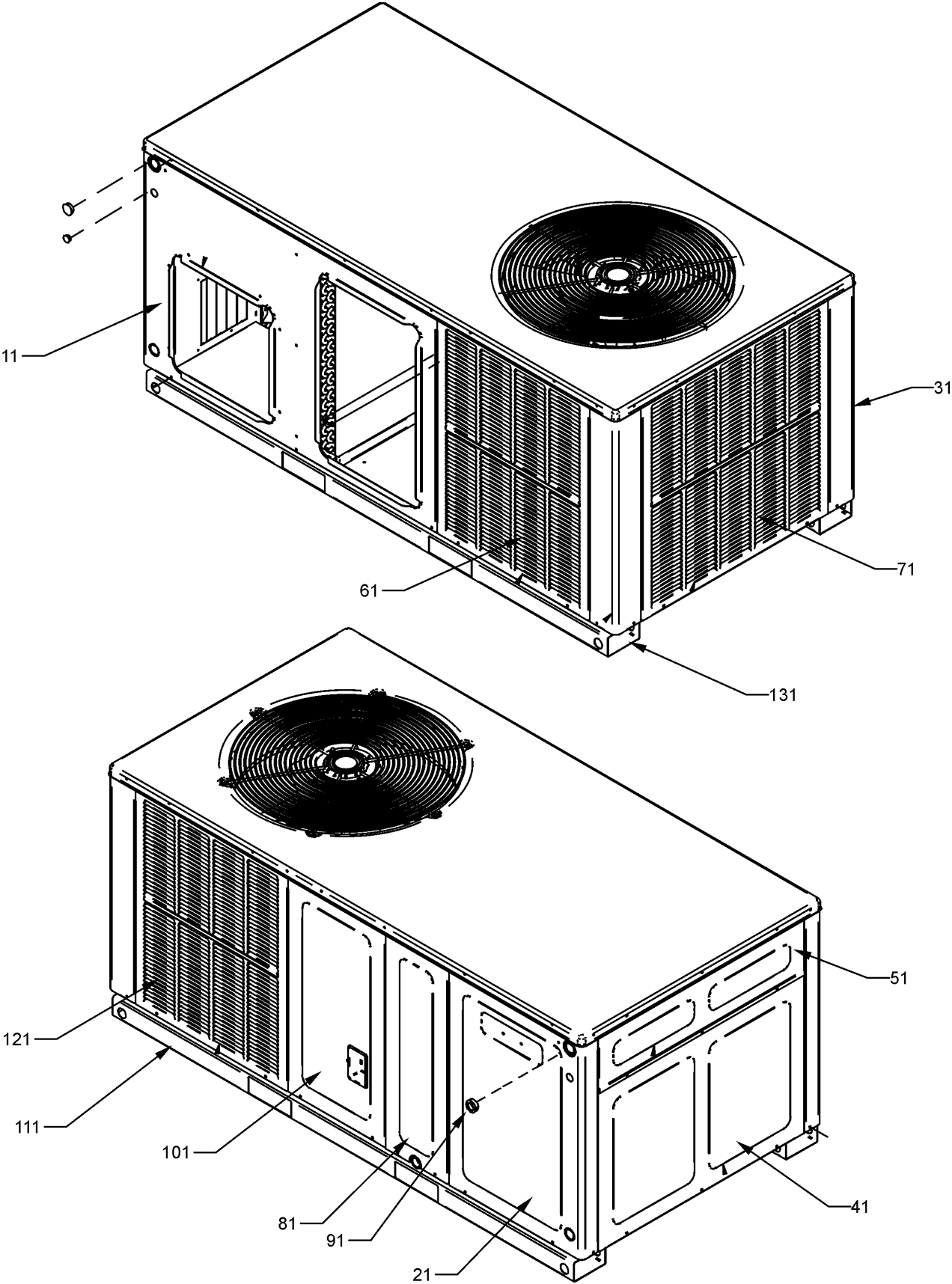
M3 - GPH1336H41AB

M4 - GPH1342H41AB

M5 - GPH1348H41BB

M6 - GPH1360H41BB

Cabinet Assembly



Cabinet Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	0270G00008PS		INSULATED ASSY, DUCT PANEL 27.5" (M1, M2)
11	0270G00009PS		INSULATED ASSY, DUCT PANEL 32.5" (M3, M4)
11	0270G00010PS		INSULATED ASSY, DUCT PANEL 36" (M5, M6)
21	0270G00011PS		INSULATED ASSY, CORNER PANEL 27.5" (M1, M2)
21	0270G00012PS		INSULATED ASSY, CORNER PANEL 32.5" (M3, M4)
21	0270G00013PS		INSULATED ASSY, CORNER PANEL 36" (M5, M6)
31	0121G00047PDGS		CORNER POST 27.5" (M1, M2)
31	0121G00048PDGS		CORNER POST 32.5" (M3, M4)
31	0121G00082PDG		CORNER POST 36" (M5, M6)
41	0270G00113S		INSULATED ASSY, BLOWER DOOR 27.5" (M1, M2)
41	0270G00114S		INSULATED ASSY, BLOWER DOOR 32.5" (M3, M4)
41	0270G00115S		INSULATED ASSY, BLOWER DOOR 36" (M5, M6)
51	0121G00276DGS		EXTERNAL CONTROL BOX PANEL
61	0121G00069PDGS		LOUVERED PANEL 4 BANK 27.5" (M1, M2)
61	0121G00070PDG		LOUVERED PANEL 4 BANK 32.5" (M3, M4)
61	0121G00090PDGS		LOUVERED PANEL 4 BANK 36" (M5, M6)
71	0121G00072PDG		LOUVERED PANEL 5 BANK 27.5" (M1, M2)
71	0121G00073PDGS		LOUVERED PANEL 5 BANK 32.5" (M3, M4)
71	0121G00091PDGS		LOUVERED PANEL 5 BANK 36" (M5, M6)
81	0270G00017P		EVAP PANEL INSUL ASSY-27.5" (M1, M2)
81	0270G00018P		EVAP PANEL INSUL ASSY-32.5" (M3, M4)
81	0270G00019P		EVAP PANEL INSUL ASSY-36" (M5, M6)
91	B1392011		GROMMET / HS .62 - .45
101	0121G00062PDGS		COMPRESSOR PANEL 13.68" X 27.50" (M1, M2)
101	0121G00060PDGS		COMPRESSOR PANEL 8.75" X 32.50" (M3, M4)
101	0121G00087PDGS		COMPRESSOR PANEL 8.75" X 36" (M5, M6)
111	0273G00001P		INSULATED ASSY, BASEPAN
121	0121G00069PDGS		LOUVERED PANEL 4 BANK 27.5" (M1, M2)
121	0121G00073PDGS		LOUVERED PANEL 5 BANK 32.5" (M3, M4)
121	0121G00091PDGS		LOUVERED PANEL 5 BANK 36" (M5, M6)
131	0121G00044PRF		BASEPAN RAIL (QTY 2)

Expanded Model Nomenclature

M1 - GPH1324H41AB
M2 - GPH1330H41AB
M3 - GPH1336H41AB
M4 - GPH1342H41AB
M5 - GPH1348H41BB
M6 - GPH1360H41BB

Chassis Assembly

Image 1

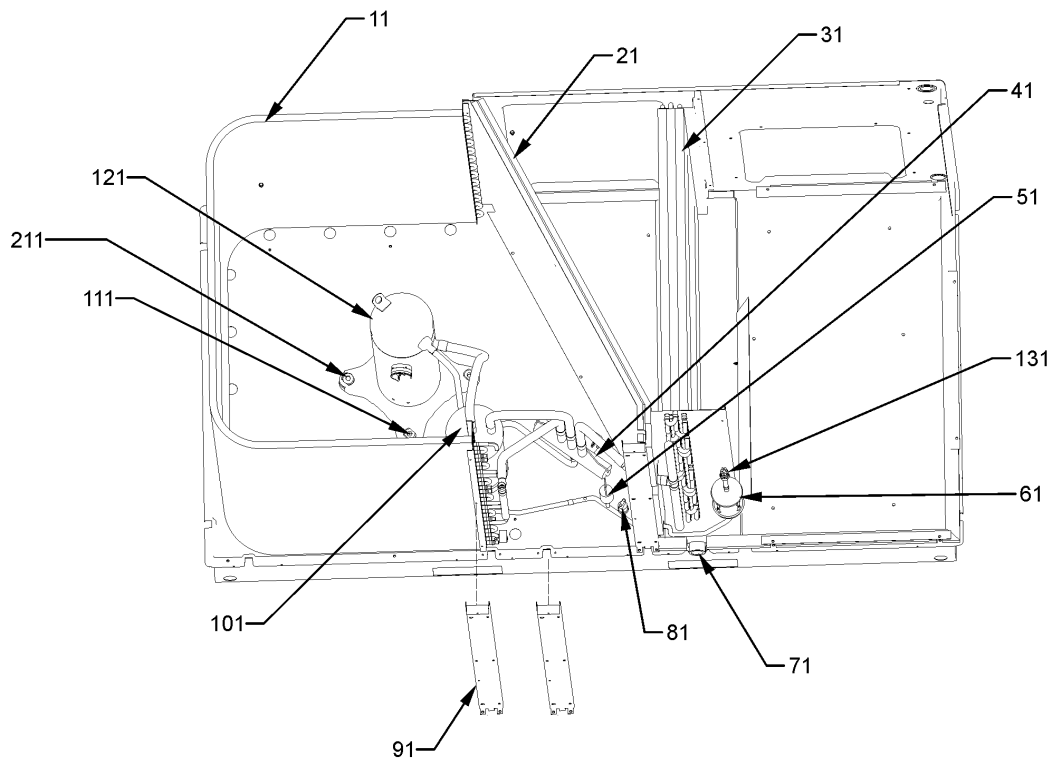


Image 2

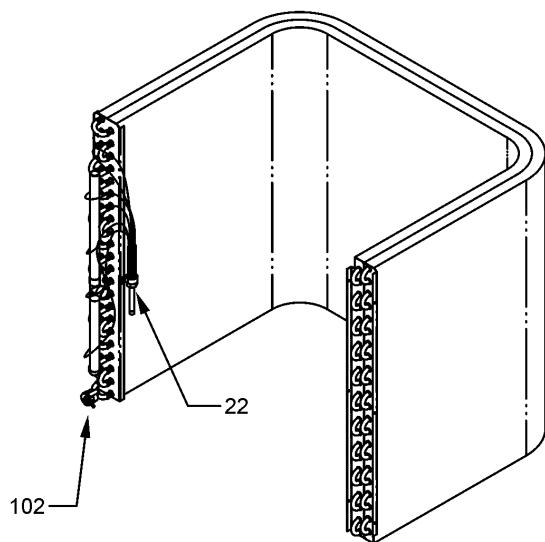
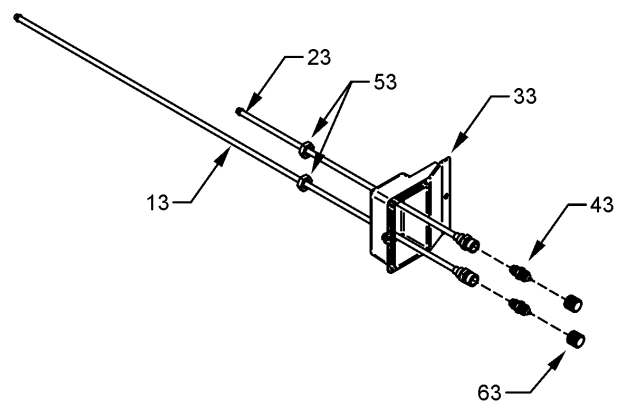


Image 3



Chassis Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>		<i>Image 2:</i>	
11	0201G00119S TUBING ASSY, COND COIL (M6)	22	0162M00112S FLOWRATOR .049 [COND] (M1)
11	0201G00120S TUBING ASSY, COND COIL (M5)	22	0162M00016PS FLOWRATOR .055 [COND] (M2)
11	0201G00123S TUBING ASSY, COND COIL (M4)	22	0162M00098S FLOWRATOR .065 [COND] (M3, M4)
11	0201G00126S TUBING ASSY, COND COIL (M3)	22	0162M00075S FLOWRATOR .067 [COND] (M5)
11	0201G00130S TUBING ASSY, COND COIL (M2)	22	0162M00094S FLOWRATOR .076 [COND] (M6)
11	0201G00160 TUBING ASSY, COND COIL (M1)	102	0130M00057 DEFROST THERMOSTAT (M1, M2, M3, M5, M6)
21	0270G00075 INSULATED ASSY, PARTITION PANEL 27.5" (M1, M2)	102	0130M00009P DEFROST THERMOSTAT OPEN 60°, CLOSE 34° (M4)
21	0270G00076 INSULATED ASSY, PARTITION PANEL 32.5" (M3, M4)	<i>Image 3:</i>	
21	0270G00077 INSULATED ASSY, PARTITION PANEL 36" (M5, M6)	13	0201G00031P PROCESS TUBE ASSY - SUCTION
31	0202G00258S TUBING ASSY, EVAP COIL (M6)	23	0201G00030P PROCESS TUBE ASSY - LIQUID
31	0202G00262S TUBING ASSY, EVAP COIL (M5)	33	0161G00001P ACCESS FITTING BOX
31	0202G00267S TUBING ASSY, EVAP COIL (M4)	43	B1373315 ACCESS FITTING (QTY 2)
31	0202G00271S TUBING ASSY, EVAP COIL (M3)	53	0163G00000P FASTEST FITTING NUT (QTY 2)
31	0202G00273S TUBING ASSY, EVAP COIL (M2)	63	B9102097 CAP W/O-RING (QTY 2)
31	0202G00281S TUBING ASSY, EVAP COIL (M1)	Expanded Model Nomenclature	
41	0151M00019 REVERSING VALVE (M1, M2)	M1 - GPH1324H41AB M2 - GPH1330H41AB M3 - GPH1336H41AB M4 - GPH1342H41AB M5 - GPH1348H41BB M6 - GPH1360H41BB	
41	0151M00021 REVERSING VALVE (M3, M4, M5, M6)		
51	0130M00074 HIGH PRESSURE SWITCH		
61	B1219204 BI-FLOW FILTER DRIER		
71	0270G00004PS DRAIN PAN ASSY		
81	0130M00075 LOW PRESSURE SWITCH		
91	0121G00045P POST 27.5" (M1, M2)		
91	0121G00079P POST 32.5" (M3, M4)		
91	0121G00083P POST 36" (M5, M6)		
101	B1226206 ACCUMULATOR (M1, M2)		
101	B1226207 ACCUMULATOR .875 (M3, M4, M5, M6)		
111	B1339533 COMPRESSOR GROMMET (QTY 4)		
121	ZP21K5EPFV830 COMPRESSOR 21300, 208/230/60/1 (M1)		
121	ZP25K5EPFV830 COMPRESSOR 25200, 208/230/60/1 (M2)		
121	ZP31K5EPFV830 COMPRESSOR 31100, 208/230/60/1 (M3)		
121	ZP34K5EPFV130 COMPRESSOR 34500, 208/230/60/1 (M4)		
121	ZP39K5EPFV830 COMPRESSOR 39000, 208/230/60/1 (M5)		
121	ZP51K5EPFV830 COMPRESSOR 51000, 208/230/60/1 (M6)		
131	0162M00111S FLOWRATOR .057 [EVAP] (M1)		
131	0162M00061 FLOWRATOR .065 [EVAP] (M2)		
131	0162M00053 FLOWRATOR .068 [EVAP] (M3)		
131	0162M00109S FLOWRATOR .072 [EVAP] (M4)		
131	0162M00019P FLOWRATOR .076 [EVAP] (M5)		
131	0162M00093 FLOWRATOR .088 [EVAP] (M6)		
211	M0221641 TF SHOULDER SCREW (QTY 4)		
NS	0159G00004 COMPRESSOR SCROLL HARNESS		
NS	0121G00043P EVAP DRIP SHIELD		
NS	B1225022 SOLENOID COIL		

Top Panel / Control Box Assembly

Image 1

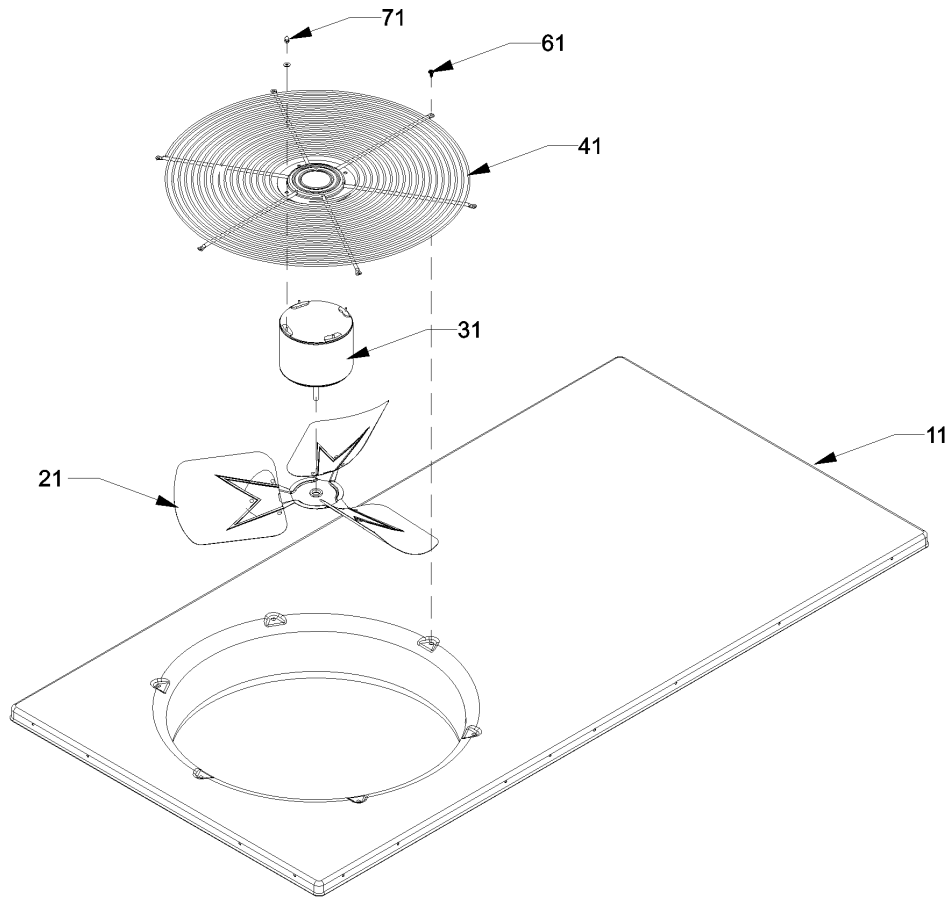
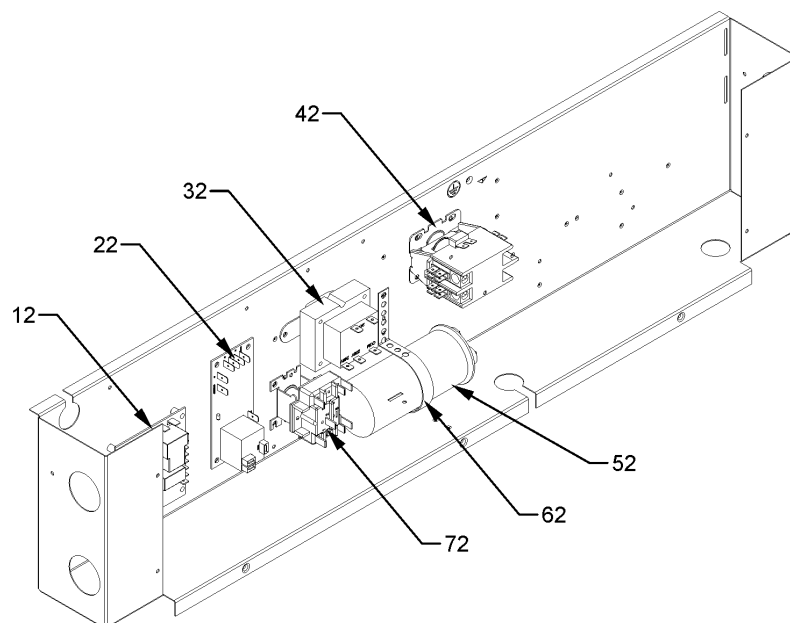


Image 2



Top Panel / Control Box Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0274G00037	INSULATED ASSY, TOP PANEL
21	0150G00001S	FAN BLADE (M4, M5, M6)
21	0150G00005	FAN BLADE (M1, M2)
21	B1086765	FAN BLADE, TYPE 3 (M3)
31	0131M00007PS	COND MOTOR 1/4 HP, 1 SP, 6 PL (M4, M5, M6)
31	0131M00061S	COND MOTOR 1/4 HP, 1 SP, 8 PL (M3)
31	0131M00009P	COND MOTOR 1/6 HP, 1 SP, 8 PL (M1, M2)
41	0152G00002S	FAN GRILLE
61	M0221817	SMALL SCREW (QTY 6)
71	0163M00006P	ACORN NUT 5/16 HEX BLACK (QTY 4)
NS	17788000083F	PVC CONDUIT 8.25"
NS	0259G00003	WIRE HARNESS, ELECTRIC HEAT (M6)
NS	0259G00005	WIRE HARNESS, ELECTRIC HEAT (M1, M2, M3, M4, M5)

Image 2:

12	PCBDM133	DEFROST CONTROL BOARD
22	PCBFM131	ELECTRONIC BLOWER TIME DELAY RELAY (M1, M2, M3, M4, M5)
32	B1141643	TRANSFORMER 208/230, 24V
42	CONT1P025024VS	CONTACTOR 25 AMP, 1P, 24V (M1, M2, M3)
42	CONT1P030024VS	CONTACTOR 30 AMP, 1P, 24V (M4, M5)
42	CONT2P040024VS	CONTACTOR 40 AMP, 2P, 24V (M6)
52	CAP050400440RT	CAPACITOR 5/40/440V (M1, M2)
52	CAP050450440RT	CAPACITOR 5/45/440V (M3, M4, M5)
52	CAP050700440RTS	CAPACITOR 5/70/440V (M6)
62	20520901	CAPACITOR STRAP
72	0130M00014	240 VOLT RELAY (M1, M2, M3, M4, M5)

Expanded Model Nomenclature

M1 - GPH1324H41AB
M2 - GPH1330H41AB
M3 - GPH1336H41AB
M4 - GPH1342H41AB
M5 - GPH1348H41BB
M6 - GPH1360H41BB

Blower Assembly

Image 1

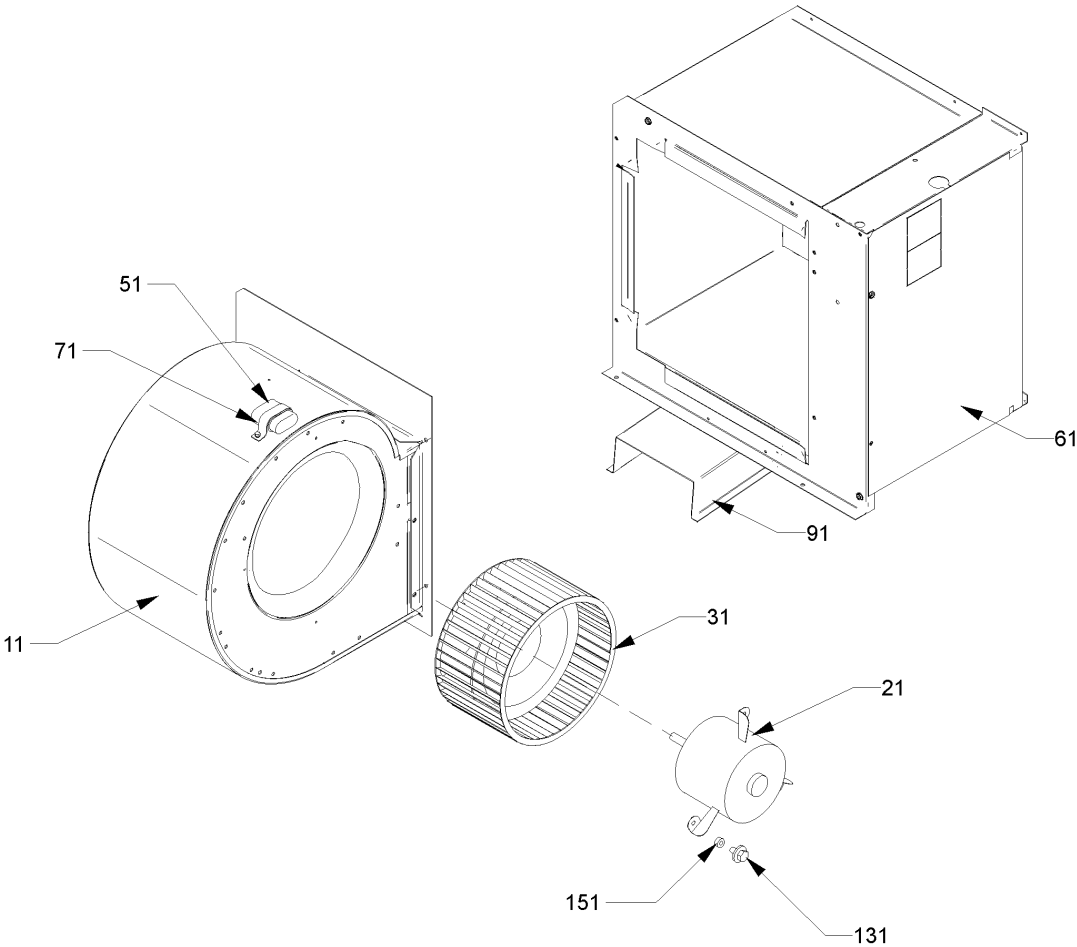
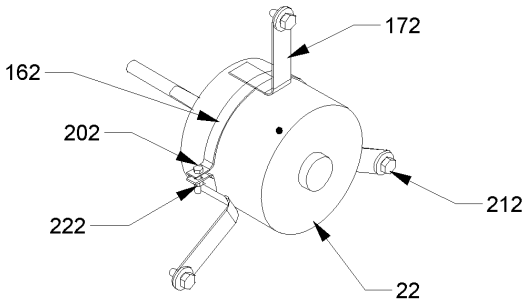


Image 2



Blower Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
----------------------	--------------	----------------------	--------------

Image 1:

11	10324248	BLOWER HOUSING 10 X 8 (M4, M5)
11	0271G00017	BLOWER HOUSING 11 X 8 (M6)
11	10324246	BLOWER HOUSING 9 X 6 (M1, M2)
11	10324247	BLOWER HOUSING 9 X 8 (M3)
21	11091202S	BLOWER MOTOR 1/3 HP, 3 SP, 6 PL (M2, M3)
21	11091207S	BLOWER MOTOR 1/4 HP, 3 SP, 8 PL (M1)
21	0131M00010P	BLOWER MOTOR, 1/2 HP, 3 SP, 8 PL (M4, M5)
31	B1368016S	BLOWER WHEEL 10 X 8 (M4, M5)
31	B1368054	BLOWER WHEEL 11 X 8 (M6)
31	0150M00000S	BLOWER WHEEL 9 X 6 (M2)
31	B1368042	BLOWER WHEEL 9 X 6 (M1)
31	B1368036S	BLOWER WHEEL 9 X 8 (M3)
51	CAP100000370VAS	CAPACITOR 10/370V [BLOWER] (M1, M2, M3)
51	CAP150000370VAS	CAPACITOR 15/370V [BLOWER] (M4, M5)
61	0121G00039PS	HEATER KIT COVER
71	20520901	CAPACITOR STRAP (M1, M2, M3, M4, M5)
91	0121G00040P	BLOWER SUPPORT
131	M0250558	TC SCREW (M1, M2, M3, M4, M5)
151	B1392143	GROMMET, 26TAL F/TORSIN FLEX (M1, M3, M4, M5)
NS	C6121802	BLOWER CUT-OFF (M1, M2)
NS	C6121810	BLOWER CUT-OFF (M3, M4, M5)
NS	2964700	BLOWER CUT-OFF 11 X 8 (M6)
NS	B821700	CAPACITOR BOOT (M1, M2, M3, M4, M5)

Image 2:

22	0231K00042	BLOWER MOTOR 3/4 HP PROGRAMMED (M6)
162	0121M00038	MOTOR MOUNT BAND (M6)
172	B1376857	MOTOR MOUNT ARM (M6)
202	B1393323	MACHINE SCREW HWH 1/4-20 X 1-1/2 BZ (M6)
212	M0250565	TC SCREW 1.25" (M6)
222	B1393800	LOCKNUT, NYLON, INSERT 1/4, 20 (M6)

Expanded Model Nomenclature

M1 - GPH1324H41AB
M2 - GPH1330H41AB
M3 - GPH1336H41AB
M4 - GPH1342H41AB
M5 - GPH1348H41BB
M6 - GPH1360H41BB

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