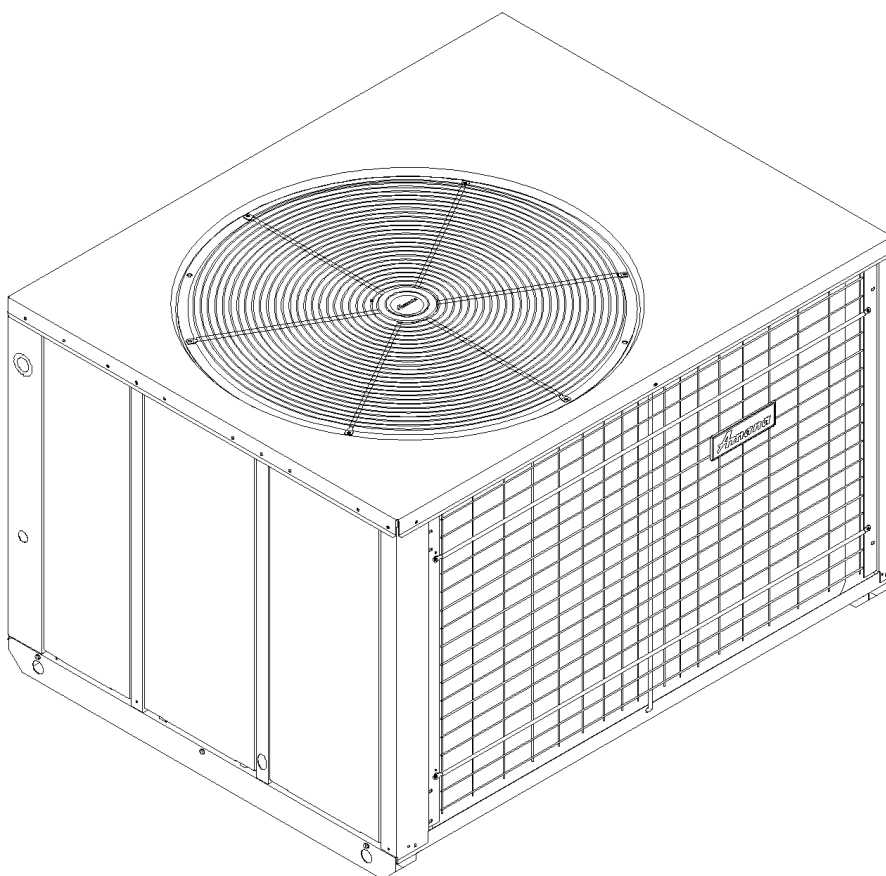


PHD*C02E* Package Heat Pumps

PHD24C02E P1224301C
PHD30C02E P1224302C
PHD36C02E P1224303C
PHD42C02E P1224304C
PHD48C02E P1224305C
PHD60C02E P1239717C



Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 11

Views shown are for parts illustrations only, not servicing procedures

Rev. 4: Replaced missing sections and corrected end bell motors.

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:

Consumer Affairs Department

Goodman 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 Company, L.P.

7401 Security Way

Houston, Texas 77040

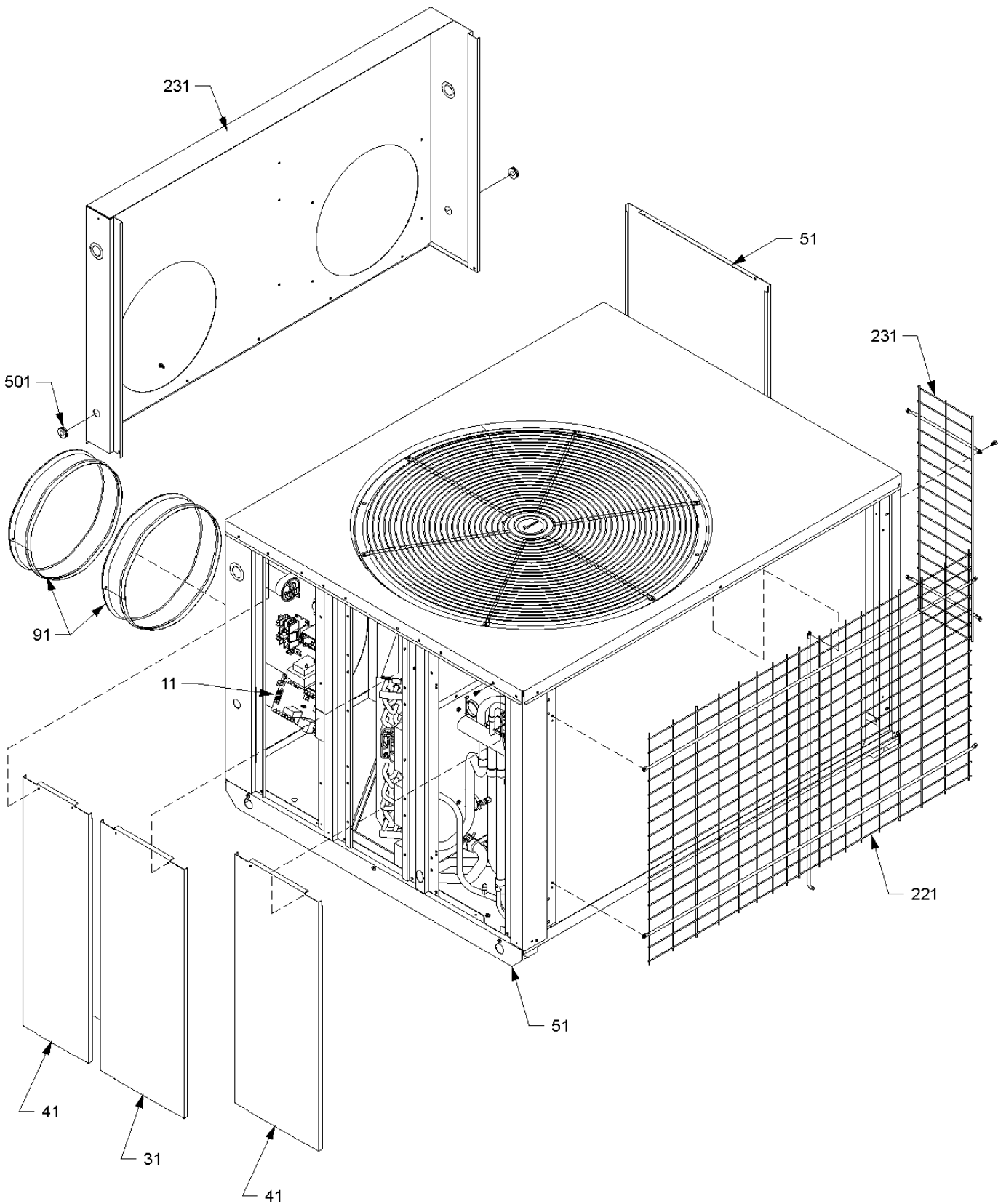
713-861-2500-Telephone

713-863-2382-Facsimile

No:	Description:
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M1 - PHD24C02E	P1224301C
M2 - PHD30C02E	P1224302C
M3 - PHD36C02E	P1224303C
M4 - PHD42C02E	P1224304C
M5 - PHD48C02E	P1224305C
M6 - PHD60C02E1	P1239717C

Outer Cabinet



Outer Cabinet

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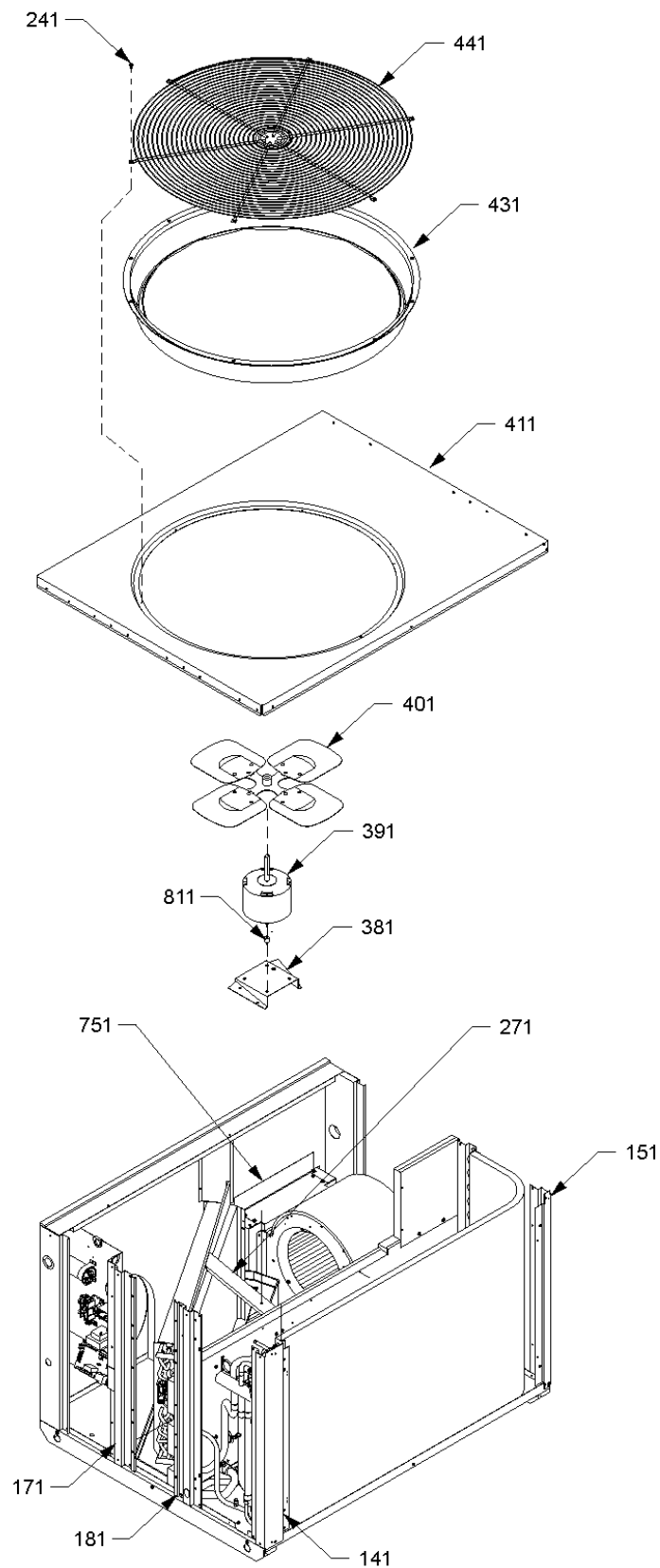
Image 1:

11	20158901	INTERFACE BOARD (M4, M5, M6)
31	11099009	CABINET DOOR (M1, M2)
31	11099013	CABINET DOOR (M3, M4, M5, M6)
41	11099010	CABINET DOOR (M1, M2)
41	11099014	CABINET DOOR (M3, M4, M5, M6)
51	20001202	BASEPAN
51	11099011	CABINET DOOR (M1, M2)
51	11099015	CABINET DOOR (M3, M4, M5, M6)
91	20014201	DUCT TRANSITION (M1, M2, M3, M4)
221	20199703	FLAT GRILLE (M1, M2)
221	20199704	FLAT GRILLE (M3, M4, M5, M6)
231	20001304	BACK PANEL (M1, M2)
231	20001305	BACK PANEL (M5, M6)
231	20001306	BACK PANEL (M3, M4)
231	11184705	FLAT GRILLE (M1, M2)
231	11184706	FLAT GRILLE (M3, M4, M5, M6)
501	A4603801	GROMMET (QTY 2)
NS	20001101	DUCT COVER (QTY 2)
NS	C6470601	GAGE PORT (M6)
NS	20515501	NAME PLATE-AMANA

Expanded Model Nomenclature

M1 - PHD24C02E	P1224301C
M2 - PHD30C02E	P1224302C
M3 - PHD36C02E	P1224303C
M4 - PHD42C02E	P1224304C
M5 - PHD48C02E	P1224305C
M6 - PHD60C02E1	P1239717C

Top Assy/Cabinet



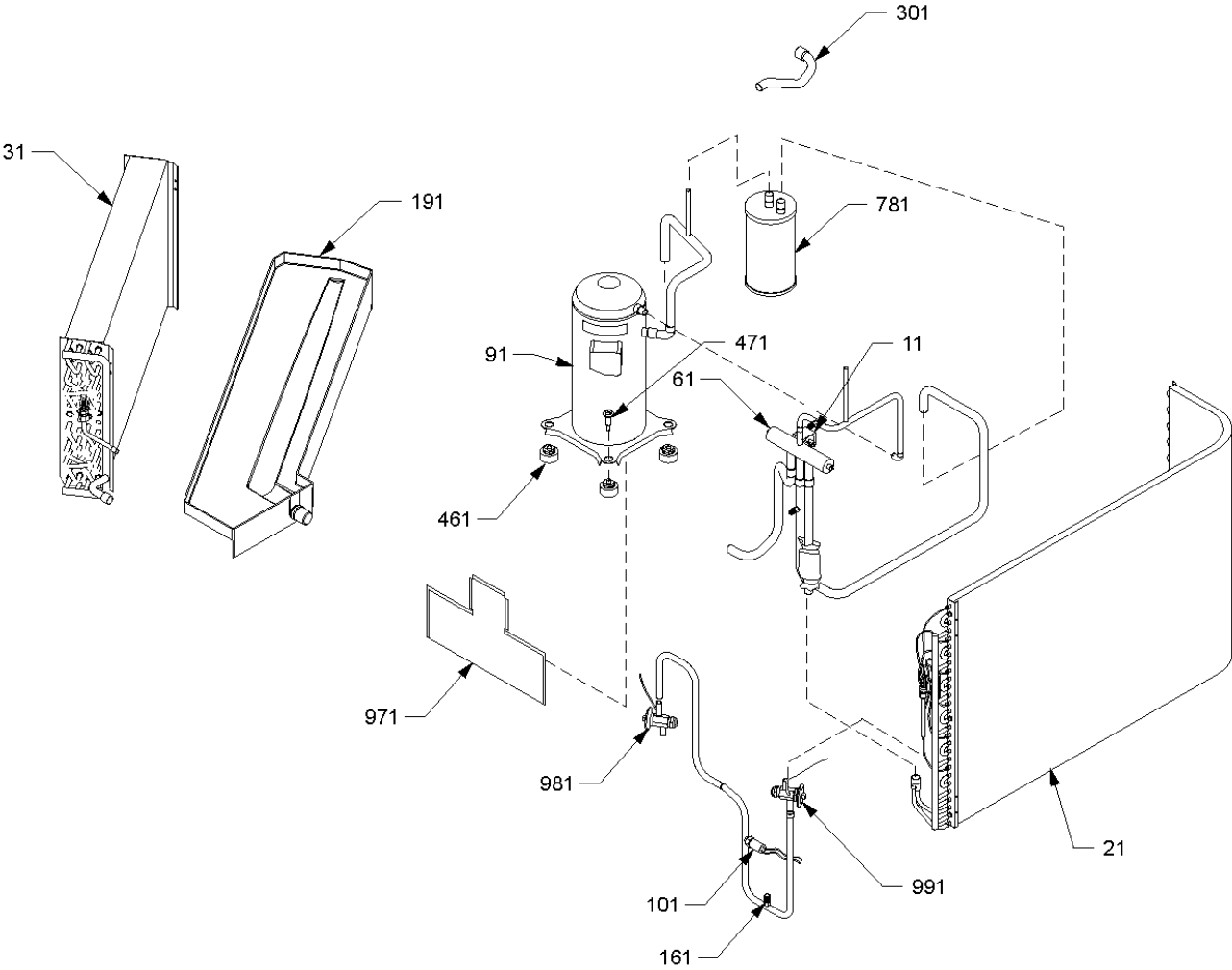
Top Assy/Cabinet

Ref Part No:	Description:	Ref. Part No:	Description:
<i>Image 1:</i>			
141	20001703		CORNER POST (M1, M2)
141	20001704		CORNER POST (M3, M4, M5, M6)
151	20001804		CORNER POST (M1, M2)
151	20001805		CORNER POST (M3, M4, M5, M6)
171	11098719		SIDE POST (M1, M2)
171	11098721		SIDE POST (M3, M4, M5, M6)
181	11098720		SIDE POST (M1, M2)
181	11098722		SIDE POST (M3, M4, M5, M6)
241	B1393561		SCREW, HWH, 10X1/2, SD, BZ, UNSLOTTED (QTY 6)
271	20013901		MOTOR SUPPORT
381	11099501		MOTOR MOUNT-COND
391	11112805		MOTOR-COND (M1, M2, M3, M4)
391	11112806S		MOTOR-COND (M5, M6)
401	11182905		CONDENSER FAN CW (M1, M2, M3, M4, M5)
401	11182906		CONDENSER FAN CW (M6)
411	20000704		TOP COVER
431	20171401		VENTURI RING
441	11112003		FAN GRILLE
751	20037201		HEATER BOX-BAFFLE (M1, M2, M3, M4)
751	20237501		HEATER BOX-BAFFLE (M5, M6)
811	20042802		GROMMET-ISLR (QTY 4)
NS	20468101		CABLE-COMPRESSOR SOLENOID (M6)
NS	M0280801		HEX NUT (QTY 4)

Expanded Model Nomenclature

M1 - PHD24C02E	P1224301C
M2 - PHD30C02E	P1224302C
M3 - PHD36C02E	P1224303C
M4 - PHD42C02E	P1224304C
M5 - PHD48C02E	P1224305C
M6 - PHD60C02E1	P1239717C

Internal Components



Internal Components

Ref Part No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>		Expanded Model Nomenclature	
11	10702201S	COIL-REVERSING VALVE (M1, M2, M3, M4, M5)	M1 - PHD24C02E P1224301C
21	20170202	COND ASSY (M1)	M2 - PHD30C02E P1224302C
21	20170203	COND ASSY (M2)	M3 - PHD36C02E P1224303C
21	20192002S	COND ASSY (M3, M4, M5)	M4 - PHD42C02E P1224304C
21	20481801	COND ASSY (M6)	M5 - PHD48C02E P1224305C
31	20155305	EVAP ASSY (M1)	M6 - PHD60C02E1 P1239717C
31	20155403	EVAP ASSY (M2)	
31	20207201S	EVAP ASSY (M5)	
31	20229801S	EVAP ASSY (M3, M4)	
31	20481901	EVAP ASSY (M6)	
61	10680904	REVERSING VALVE (M3, M4, M5)	
61	10681001	REVERSING VALVE (M1, M2)	
61	B1227317S	REVERSING VALVE (M6)	
91	ZR28K3PFV930	COMPRESSOR 28500, 208/230/60/1 (M2)	
91	ZR40K3PFV930	COMPRESSOR 40600, 208/230/60/1 (M4)	
91	ZR47K3PFV935	COMPRESSOR 48200, 208/230/60/1 (M5)	
91	ZRS52K4PFV930	COMPRESSOR 52000, 208/230/60/1 2 STG (M6)	
91	11012508	COMPRESSOR ZR22K3PFV230 (M1)	
91	11012506	COMPRESSOR ZR32K3PFV230 (M3)	
101	C6453313	CUTOUT-LOW PRESSURE (M1, M2, M3, M4, M5)	
101	C6453319	CUTOUT-LOW PRESSURE (M6)	
161	A4692801	VALVE CORE (M1, M2, M3, M4, M5)	
191	20000601	DRIP PAN	
291	10030914	DEFROST CONTROL 30/60	
301	20294001	J TRAP (M1, M2, M3, M4, M5)	
461	B1339533	COMPRESSOR GROMMET (QTY 4)	
471	M0221641	SCREW-SHOULDER TF (QTY 4)	
781	11190803	ACCUMULATOR (M1, M2)	
971	11026401	SOUND BLANKET (M1, M2)	
971	11026501	SOUND BLANKET (M3, M4, M5)	
971	20254103	SOUND BLANKET (M6)	
981	20212403	EXPANSION VALVE-INDOOR (M5)	
981	20212405	EXPANSION VALVE-INDOOR (M6)	
981	20212407	EXPANSION VALVE-INDOOR (M3, M4)	
981	20248501	SOUND BAFFLE (M1, M2)	
991	20212404	EXPANSION VALVE-OUTDOOR (M5)	
991	20212413	EXPANSION VALVE-OUTDOOR (M3, M4)	
991	20212418	EXPANSION VALVE-OUTDOOR (M6)	
NS	20001401	COMPRESSOR HARNESS (M1, M2)	
NS	20203901	COMPRESSOR HARNESS (M3, M4, M5, M6)	
NS	11020801	MUFFLER (M6)	
NS	11046710	THERMOSTAT DISC (M6)	

Blower/Control Panel

Image 1

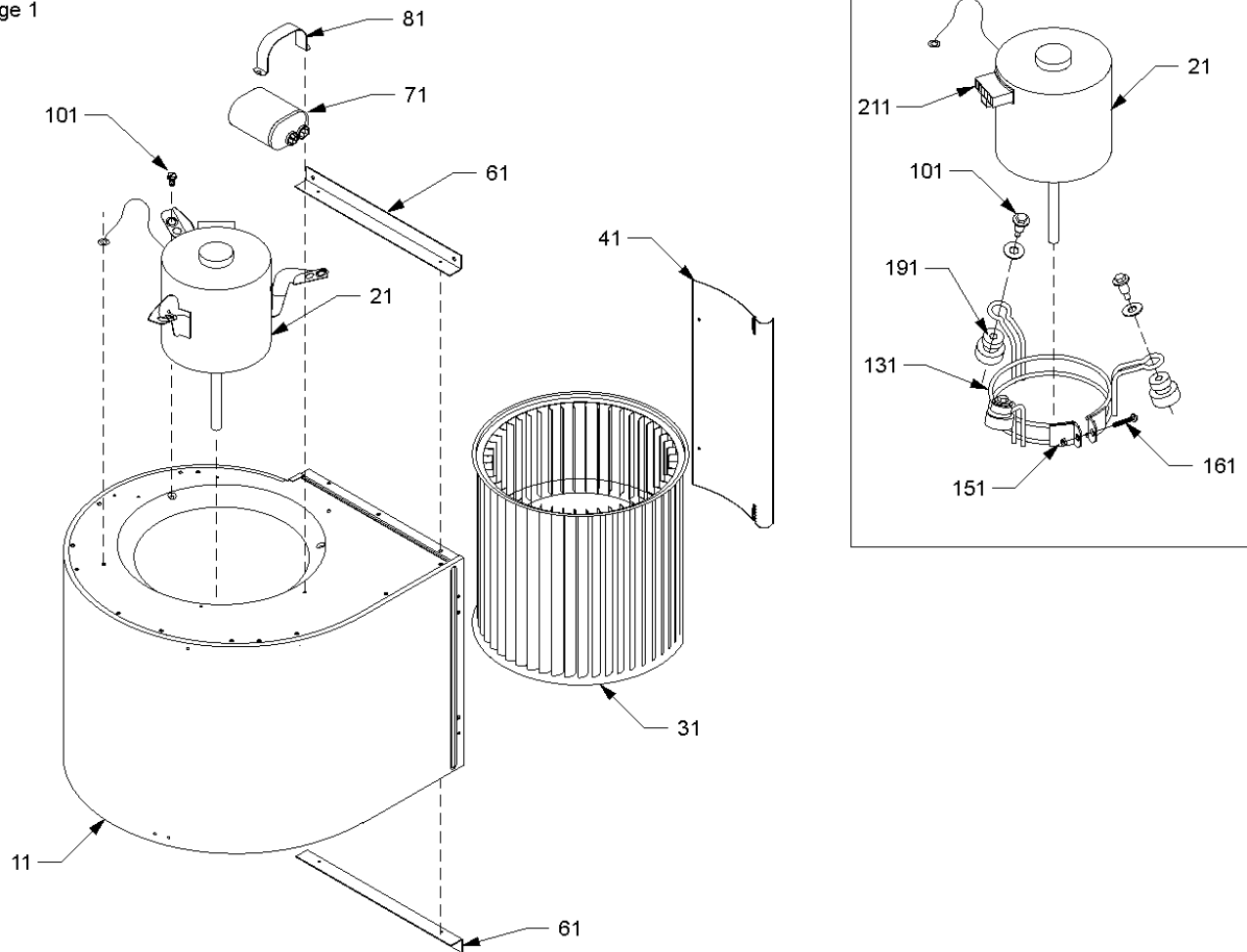
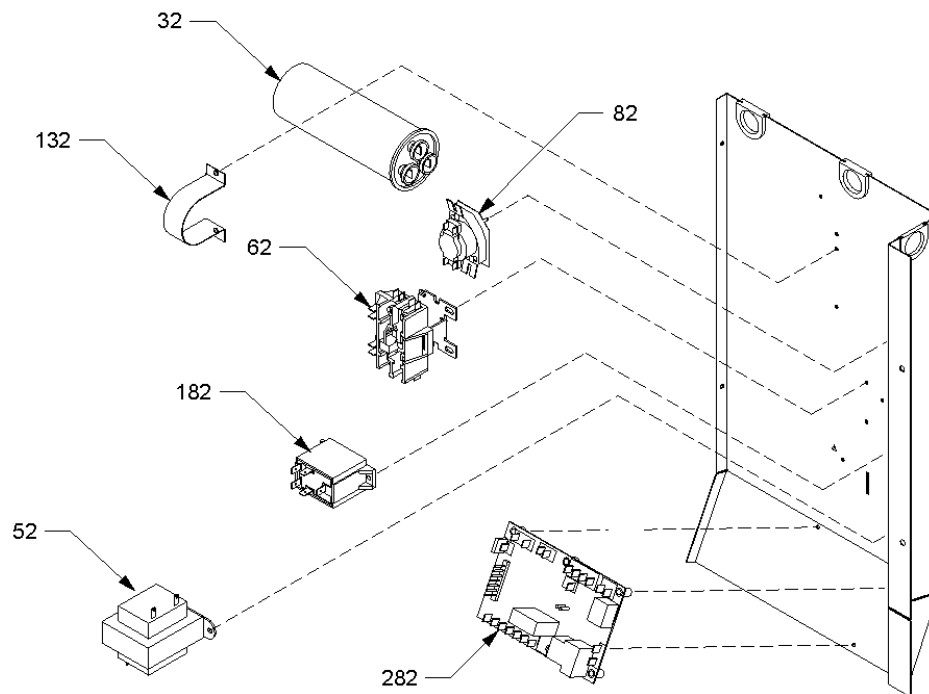


Image 2



Blower/Control Panel

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

11	20162503	ASSY-BLOWER HOUSING
21	RF000194	MOTOR-1/2 HP PROGRAMMED (M4)
21	0231K00021A	MOTOR-3/4 HP PROGRAMMED (M6)
21	20509407	MOTOR-3/4 HP PROGRAMMED (M5)
21	20013001S	MOTOR-EVAP (M1, M2)
21	20013002	MOTOR-EVAP (M3)
31	D6723302	BLOWER WHEEL
41	C6121810	CUTOFF
61	20021101	BLOWER RAIL (QTY 2)
71	CAP100000370VA	CAPACITOR 10/370V (M1, M2, M3)
81	A4055402	CAPACITOR STRAP (M1, M2, M3)
101	M0221461	TC SCREW (M4, M5, M6)
101	M0250558	TC SCREW (M1, M2, M3)
131	C9443702	BRACKET-MOTOR MOUNT (M4, M5, M6)
151	M0282015	KEPS NUT (M4, M5, M6)
161	M0267144	MACHINE SCREW (M4, M5, M6)
191	A4002701	GROMMET (M4, M5, M6)
211	20001001	BLOWER HARNESS (M1, M2, M3)
211	20217003	BLOWER HARNESS (M4, M5, M6)

Image 2:

22	B1226008S	BOARD-DEFROST CONTROL (M6)
32	CAP075400370RS	CAPACITOR 7.5/40/370V (M1)
32	CAP075450370RS	CAPACITOR 7.5/45/370V (M2, M3)
32	CAP075550440RT	CAPACITOR 7.5/55/440V (M4)
32	CAP075800440RT	CAPACITOR METAL (M5, M6)
52	11120302	TRANSFORMER
62	C6170002	CONTACTOR 30A (M1, M2, M3, M4)
62	22308302	CONTACTOR 40A (M6)
82	B1370735S	SWITCH (M1, M2, M3)
132	C6300502	CAPACITOR STRAP (M1, M2, M3)
132	C6300503	CAPACITOR STRAP (M4, M5, M6)
182	10135601	RELAY (M1, M2, M3)
182	10135604	RELAY (M6)
282	20244004	TERMINAL BOARD (M6)

Expanded Model Nomenclature

M1 - PHD24C02E	P1224301C
M2 - PHD30C02E	P1224302C
M3 - PHD36C02E	P1224303C
M4 - PHD42C02E	P1224304C
M5 - PHD48C02E	P1224305C
M6 - PHD60C02E1	P1239717C