



PARTS MANUAL

Outdoor

MODELS:

UMAT18HP230V1AO
UMAT24HP230V1AO
UMAT30HP230V1AO
UMAT36HP230V1AO
UMAT42HP230V1AO
UMAT48HP230V1AO

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Please read this Parts Manual carefully before operation and
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file the electronic version.

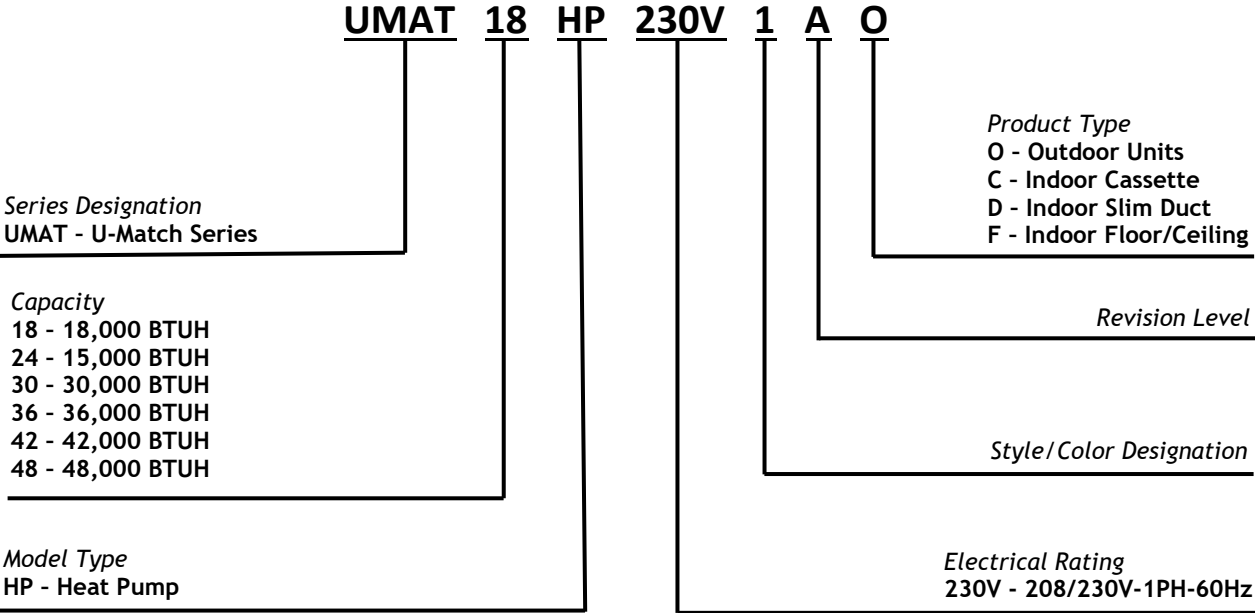
Parts Manual

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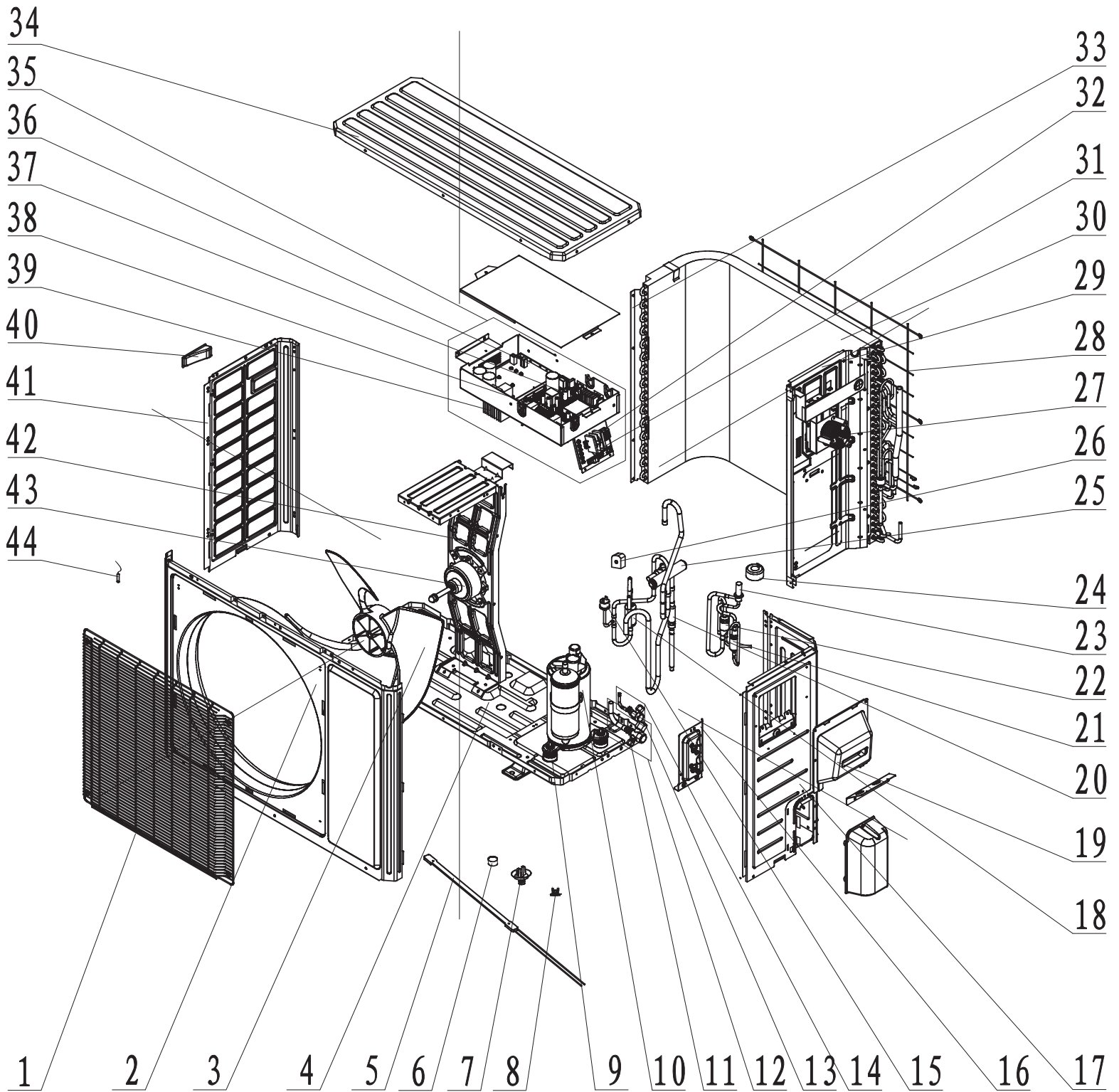
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Nomenclature

EXAMPLE: UMAT18HP230V1AO



UMAT18HP230V1AO



UMAT18HP230V1AO

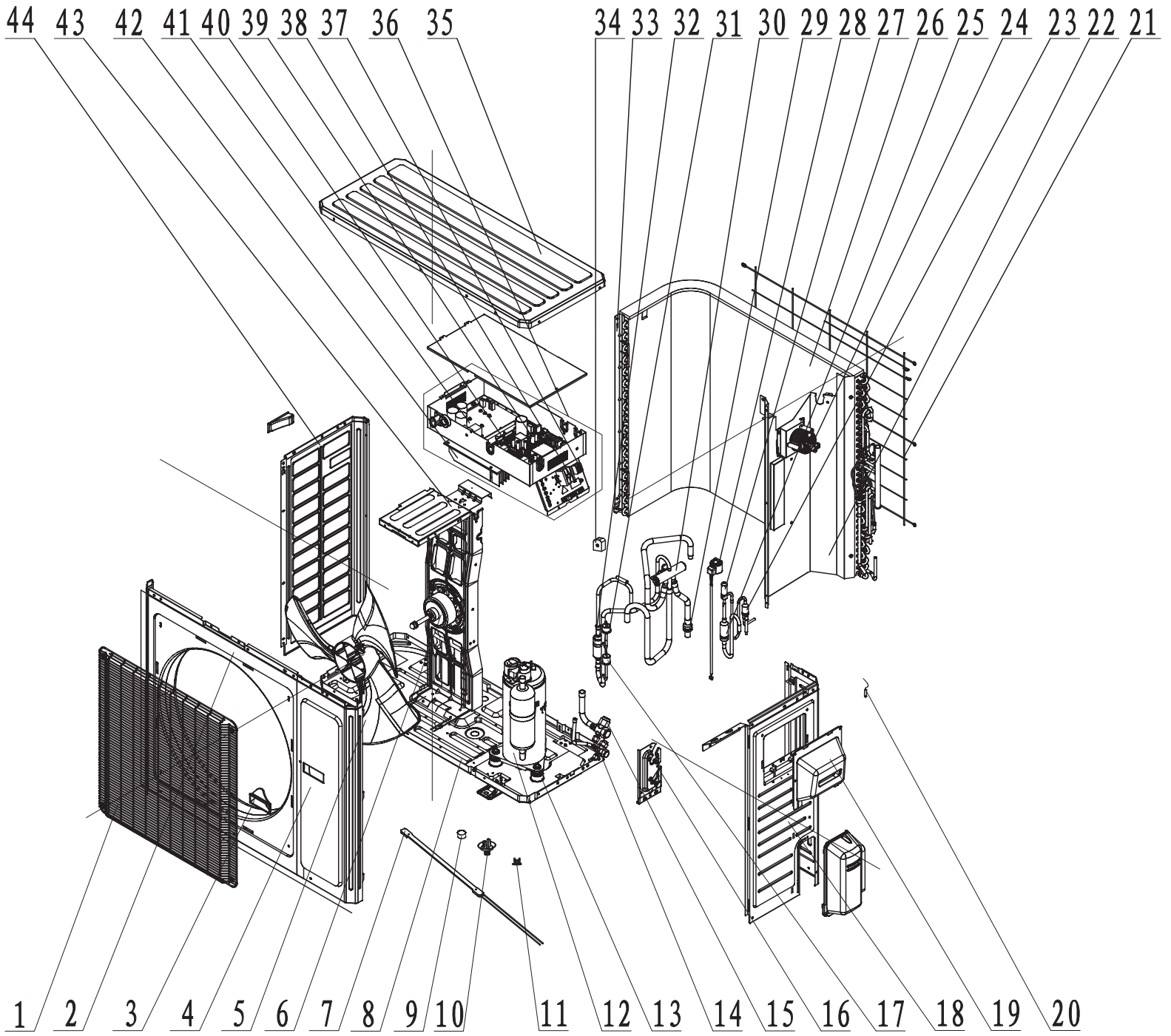
NO.	Part Description	Qty	Part Code
1	Front Grille	1	01473049
2	Front Panel	1	01535013P
3	Axial Flow Fan	1	10335008
4	Chassis Sub-Assy	1	01195200028P
5	Compressor Crankcase Heater	1	7651300403
6	Drain Plug	3	06813401
7	Drain Connector	1	06123401
8	Compressor Overload Protector(External)	1	00180030
N/A	Compressor Overload Protector(External)	1	00183032
N/A	Compressor Overload Protector(External)	1	00183051
9	Compressor Grommet	3	76710247
10	Compressor and Fittings	1	00105249G
11	1/2-in Gas/Suction Valve	1	071302392
12	Cut off Valve Sub-Assy	1	07133060
13	1/4-in Liquid Line Valve	1	07130239
14	Cut off Valve Sub-Assy	1	07335200016
15	High Pressure Protect Switch	1	46020003
16	Valve Support Assy	1	01715010P
17	Right Side Plate	1	0130509403P
18	Silencer	1	07245007
19	Handle Assy	1	02113032P
20	Strainer	1	07212403
21	Strainer	1	07220019
22	Strainer	1	0721004501
23	Electronic Expansion Valve Sub-Assy	1	43045200006
N/A	Electronic Expansion Valve	1	07134601
24	Electronic Expansion Valve Solenoid Coil	1	4300876704
25	4-Way Valve Assy	1	04045200036
N/A	4-Way Valve	1	430004032
26	4-Way Valve Solenoid Coil	1	4300040045
27	Reactor/PFC Inductance	1	4312002001
28	Rear Grille	1	01473043
29	Clapboard Sub-Assy	1	01232902
30	Condenser Coil Assy	1	01125200189
31	Terminal Board	1	420111451
32	Terminal Board	1	420101852

UMAT18HP230V1AO

NO.	Part Description	Qty	Part Code
33	Supporting Board(Condenser)	1	01795010
34	Top Panel Assy	1	01255005P
35	Electric Box Assy	1	01395200486
36	Main Control Board 1 w/7-segment LED Display	1	30224000024
37	Driver Board	1	30221000009
38	Filter Board	1	30221000008
39	Heat Sink/Radiator	1	49018000044
40	Left Handle	1	N/A
41	Left Side Plate	1	01305093P
42	Motor Support Assy	1	01805200173
43	Fan Motor	1	1570280204
44	Temperature Sensor Assembly**	1	3900028020G

** Temperature Sensor Assembly contains Discharge, Coil, & Ambient sensors.

UMAT24HP230V1A0



UMAT24HP230V1A0

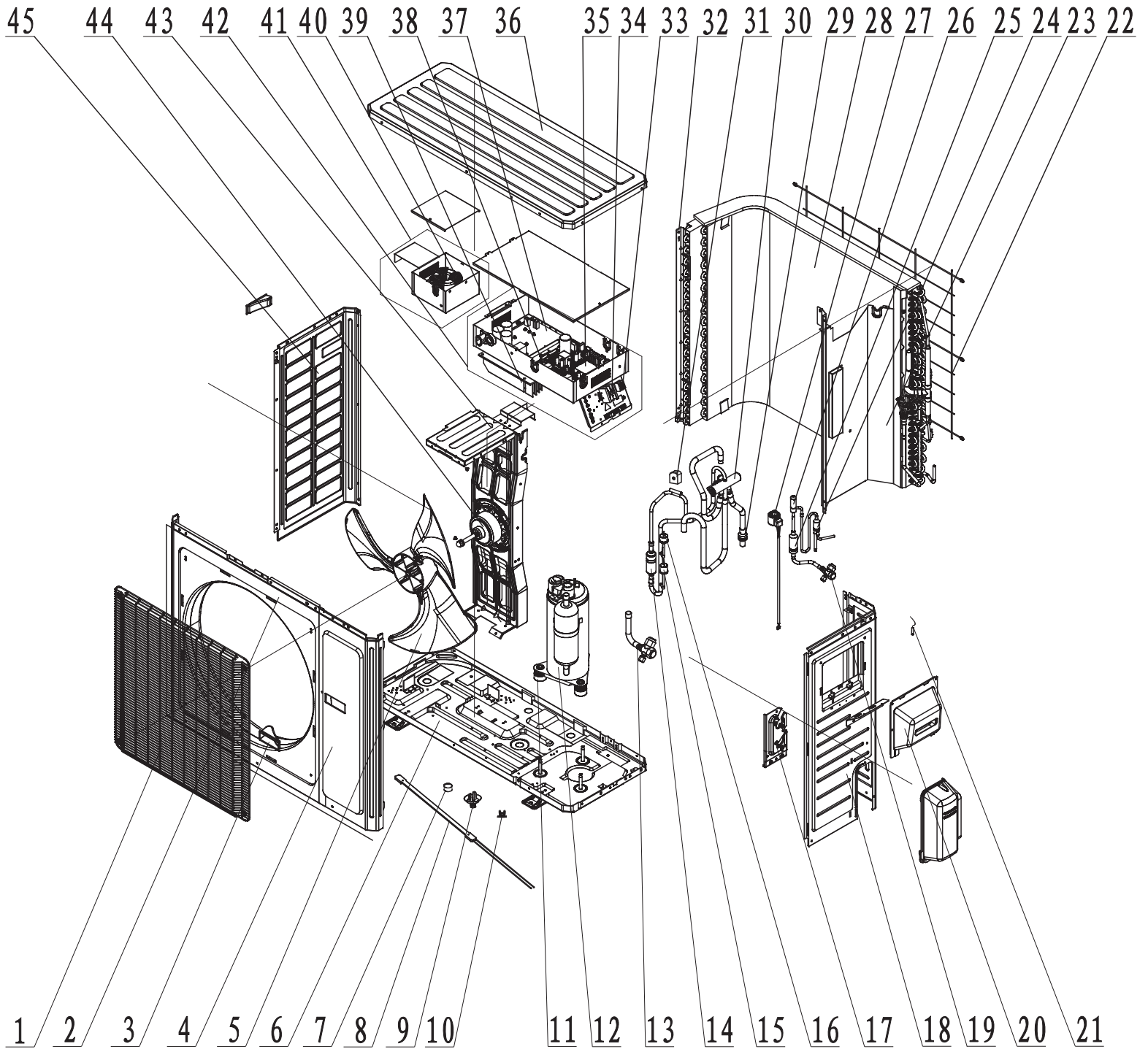
NO.	Part Description	Qty	Part Code
1	Front Grille	1	01473050
2	Cabinet	1	01435004P
3	Left Handle	1	26235401
4	Front Side Plate	1	01305086P
5	Axial Flow Fan	1	10335014
6	Fan Motor	1	15702802
7	Compressor Crankcase Heater	1	7651873209
8	Chassis Sub-Assy	1	0119520001301P
9	Drain Plug	3	06813401
10	Drainage Connector	1	06123401
11	Compressor Overload Protector(External)	1	00180030
N/A	Compressor Overload Protector(External)	1	00183032
N/A	Compressor Overload Protector(External)	1	00183051
12	Compressor and Fittings	1	0010505701
13	Compressor Grommet	3	76713066
14	3/8-in Liquid Line Valve	1	071302391
15	5/8-in Gas/Suction Valve	1	07133157
16	Valve Support Sub-Assy	1	0171501201P
17	High Pressure Protect Switch	1	4602000902
N/A	Low Pressure Protect Switch	1	4602001539
18	Right Side Plate Sub-Assy	1	01315200069P
19	Handle Assy	1	02113032P
20	Temperature Sensor Assembly**	1	3900028020G
21	Rear Grille	1	01475013
22	Clapboard Sub-Assy	1	01245200010
23	Strainer	1	07225088
24	Reactor/PFC Inductance	1	43128003
25	Bidirectional Strainer	1	07220016
26	Condenser Coil Assy	1	01125200184
27	Electronic Expansion Valve Sub-Assy	1	43045200004
N/A	Electronic Expansion Valve	1	07334447
28	Electronic Expansion Valve Solenoid Coil	1	4304413208
29	Strainer	1	07215201
30	4-way Valve Assy	1	04045200079
N/A	4-Way Valve	1	4300008201
31	High Pressure Protect Switch	1	46020003
32	Silencer	1	07245012
33	Condenser Support Plate	1	01175092

UMAT24HP230V1A0 (Cont.)

NO.	Part Description	Qty	Part Code
34	4-Way Valve Solenoid Coil	1	4300040045
35	Top Cover Sub-Assy	1	01255007
36	Electric Box Assy	1	01395200487
37	Terminal Board	1	420111451
38	Terminal Board	1	420101852
39	Main Control Board 1 w/7-segment LED Display	1	30224000026
N/A	Main Control Board 2	1	30224000027
40	Filter Board	1	30221000007
41	Driver Board	1	30221000010
42	Heat Sink/Radiator	1	49018000042
43	Motor Support Assy	1	01805200166
44	Left Side Plate	1	01305043P

** Temperature Sensor Assembly contains Discharge, Coil, & Ambient sensors.

UMAT30HP230V1A0



UMAT30HP230V1A0

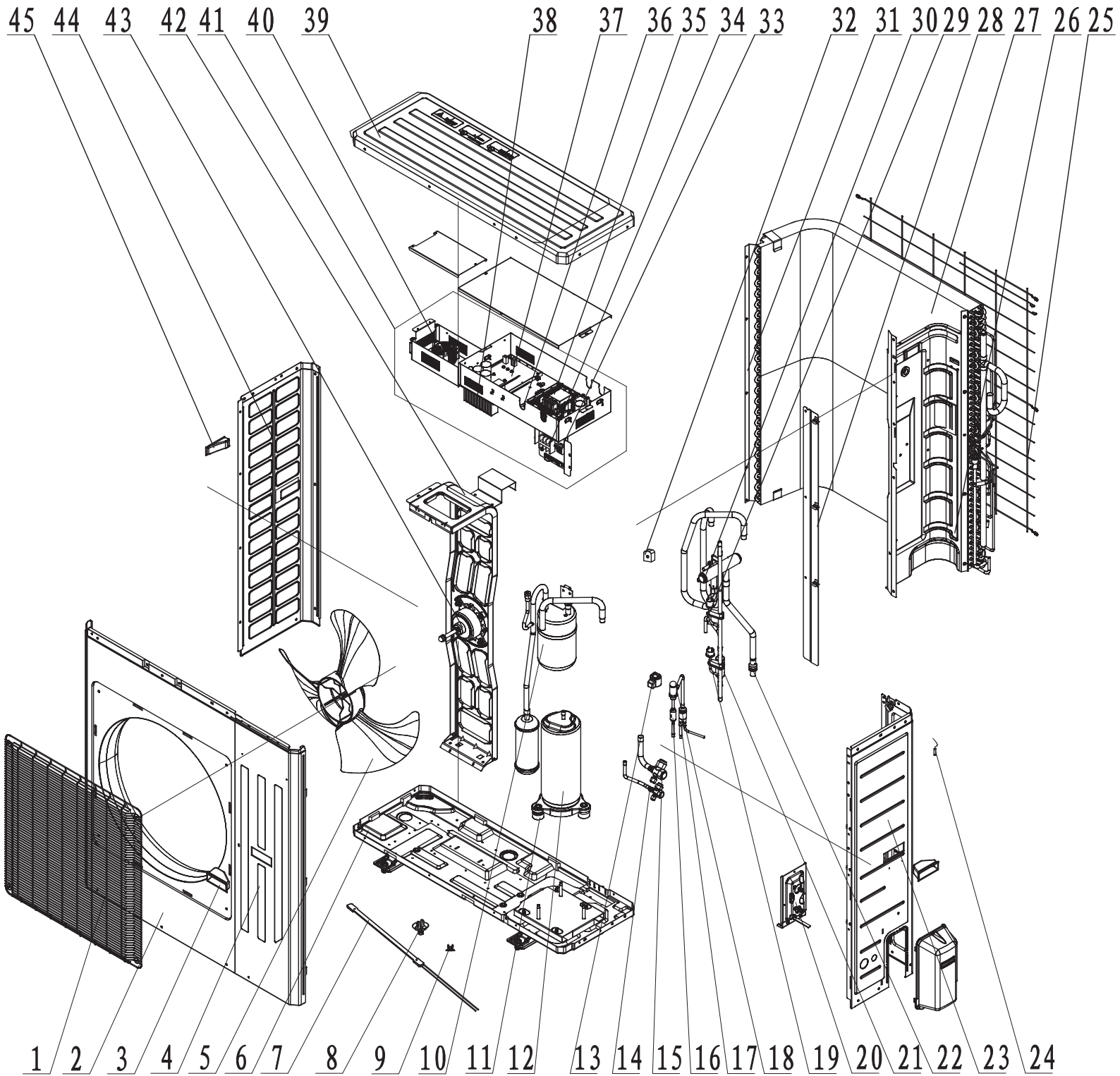
NO.	Part Description	Qty	Part Code
1	Front Grille	1	01473050
2	Cabinet	1	01435004P
3	Left Handle	1	26235401
4	Front Side Plate	1	01305086P
5	Axial Flow Fan	1	10335014
6	Chassis Sub-Assy	1	01195200013P
7	Drain Plug	3	06813401
8	Compressor Crankcase Heater	1	7651873209
9	Drain Connector	1	06123401
10	Compressor Overload Protector(External)	1	00180030
N/A	Compressor Overload Protector(External)	1	00183032
N/A	Compressor Overload Protector(External)	1	00183051
11	Compressor Grommet	3	76713066
12	Compressor and Fittings	1	0010505701
13	5/8-in Gas/Suction Valve	1	07133157
14	Silencer	1	07245012
15	High Pressure Protect Switch	1	4602000902
16	High Pressure Protect Switch	1	46020003
17	Valve Support Sub-Assy	1	0171501201P
18	Right Side Plate Sub-Assy	1	01315200069P
19	3/8-in Liquid Line Valve	1	071302391
20	Handle Assy	1	02113032P
21	Temperature Sensor Assembly**	1	3900028020G
22	Rear Grille	1	01475013
23	Clapboard Sub-Assy	1	01245200006
24	Strainer	1	07225088
25	Bidirectional Strainer	1	07220016
26	Electronic Expansion Valve Sub-Assy	1	43045200004
N/A	Electronic Expansion Valve	1	07334447
27	Electronic Expansion Valve Solenoid Coil	1	4304413208
28	Condenser Coil Assy	1	01125200182
29	Strainer	1	07215201
30	4-Way Valve Assy	1	04045200034
N/A	4-Way Valve	1	4300008201
31	4-Way Valve Solenoid Coil	1	4300040045
32	Condenser Support Plate	1	01175092
33	Terminal Board	1	420101852
34	Terminal Board	1	420111451

UMAT30HP230V1A0 (Cont.)

NO.	Part Description	Qty	Part Code
35	Main Control Board 1 w/7-segment LED Display	1	30224000038
N/A	Main Control Board 2	1	30224000027
36	Top Cover Sub-Assy	1	01255007
37	Driver Board	1	30221000010
38	Filter Board	1	30221000007
39	Heat Sink/Radiator	1	49018000042
40	Reactor/PFC Inductance	1	43128003
41	Inductance Box Sub-Assy	1	01395200176
42	Electric Box Assy	1	01395200488
43	Motor Support Assy	1	01805200160
44	Fan Motor	1	15702802
45	Left Side Plate	1	01305043P

** Temperature Sensor Assembly contains Discharge, Coil, & Ambient sensors.

UMAT36HP230V1A0



UMAT36HP230V1A0

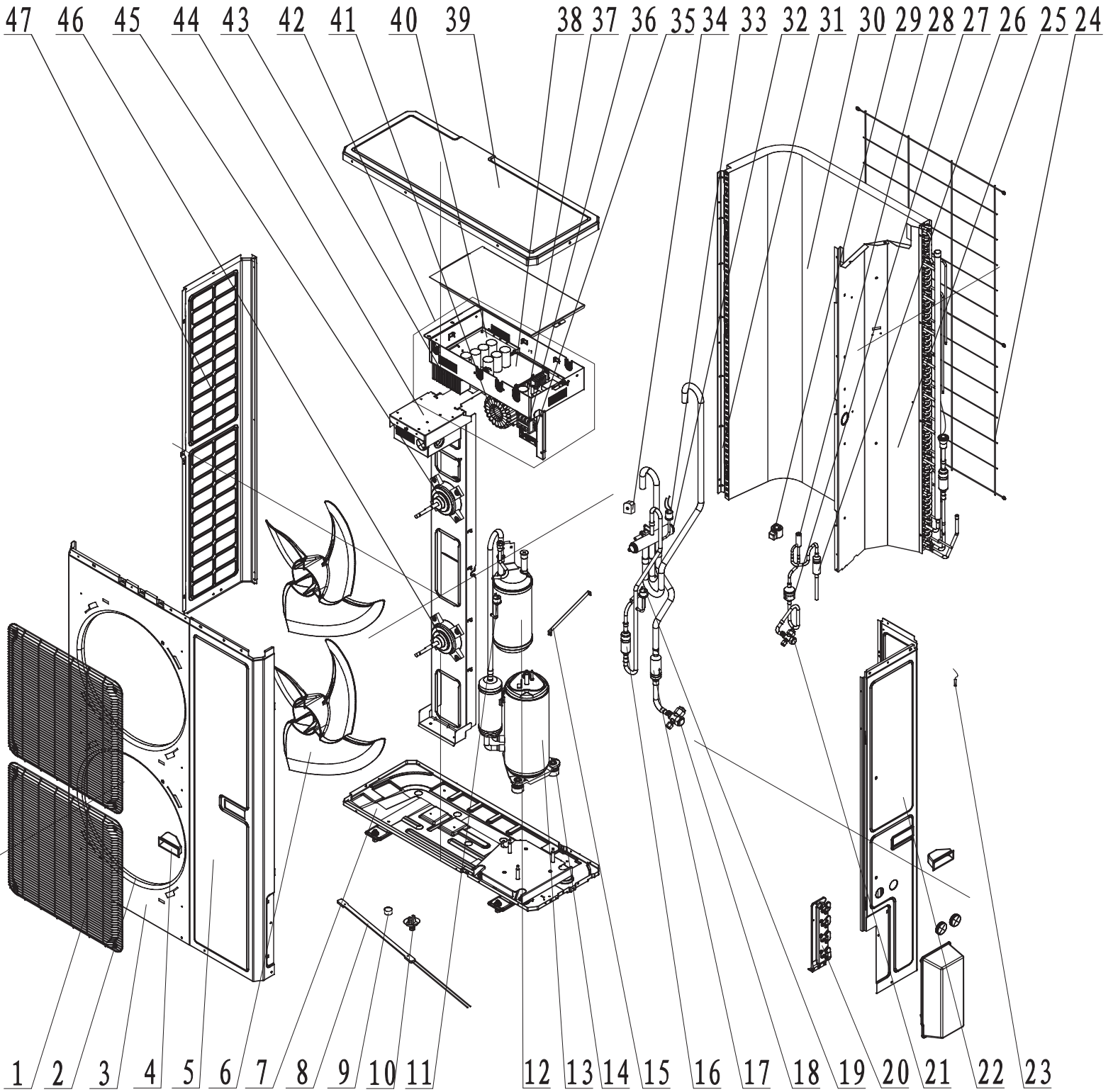
NO.	Part Description	Qty	Part Code
1	Front Grille	1	01574106
2	Cabinet	1	01435007P
3	Handle	1	26235253
4	Front Side Plate	1	01305065P
5	Axial Flow Fan	1	10335010
6	Chassis Sub-Assy	1	01195244P
7	Compressor Crankcase Heater	1	7651873209
8	Drainage Joint	1	26113009
N/A	Drain Plug	3	06813401
N/A	Drain Connector	1	06123401
9	Compressor Overload Protector(External)	1	00180030
N/A	Compressor Overload Protector(External)	1	00183032
N/A	Compressor Overload Protector(External)	1	00183051
10	Gas-liquid Separator Sub-Assy	1	07255201
11	Compressor Grommet	3	76713066
12	Compressor	1	00205200003
13	Electronic Expansion Valve Solenoid Coil	1	4300010839
14	3/8-in Liquid Line Valve	1	071302391
15	5/8-in Gas/Suction Valve	1	07133157
16	Strainer	1	07213032
17	Strainer	1	07210045
18	Electric Expansion Valve Sub-Assy	1	43045200007
N/A	Electronic Expansion Valve	1	07334194
19	High Pressure Protect Switch	1	46020003
20	Valve Support Sub-Assy	1	01805200222P
21	Silencer	1	07245012
22	Strainer	1	07215201
23	Right Side Plate Sub-Assy	1	0131520006801P
24	Temperature Sensor Assembly**	1	39008000049G
25	Rear Grille	1	01475012
26	Clapboard Sub-Assy	1	0124525303
27	Condenser Coil Assy	1	01125200196
28	Baffle Plate Sub-Assy	1	01355200016P
29	High Pressure Protect Switch	1	4602000902
30	4-Way Valve Assy	1	04045200038
N/A	4-Way Valve	1	43000338
31	Condenser Support Plate	1	01895242
32	4-Way Valve Solenoid Coil	1	4300040045

UMAT36HP230V1A0 (Cont.)

NO.	Part Description	Qty	Part Code
33	Terminal Board	1	420101852
34	Terminal Board	1	42011242
35	Main Control Board 1 w/7-segment LED Display	1	30224000037
36	Filter Board	1	30221000007
37	Driver Board	1	30221000003
N/A	Main Control Board 2	1	30224000027
38	Heat Sink/Radiator	1	49018000047
39	Top Cover	1	0125500901P
40	Reactor/PFC Inductance	1	43120011
41	Electric Box Assy	1	01395200489
42	Motor Support Sub-Assy	1	01805200190
43	Fan Motor	1	1570280201
44	Left Side Plate	1	01305064P
45	Left Handle	1	26235401

** Temperature Sensor Assembly contains Discharge, Coil, & Ambient sensors.

UMAT42HP230V1A0



UMAT42HP230V1A0

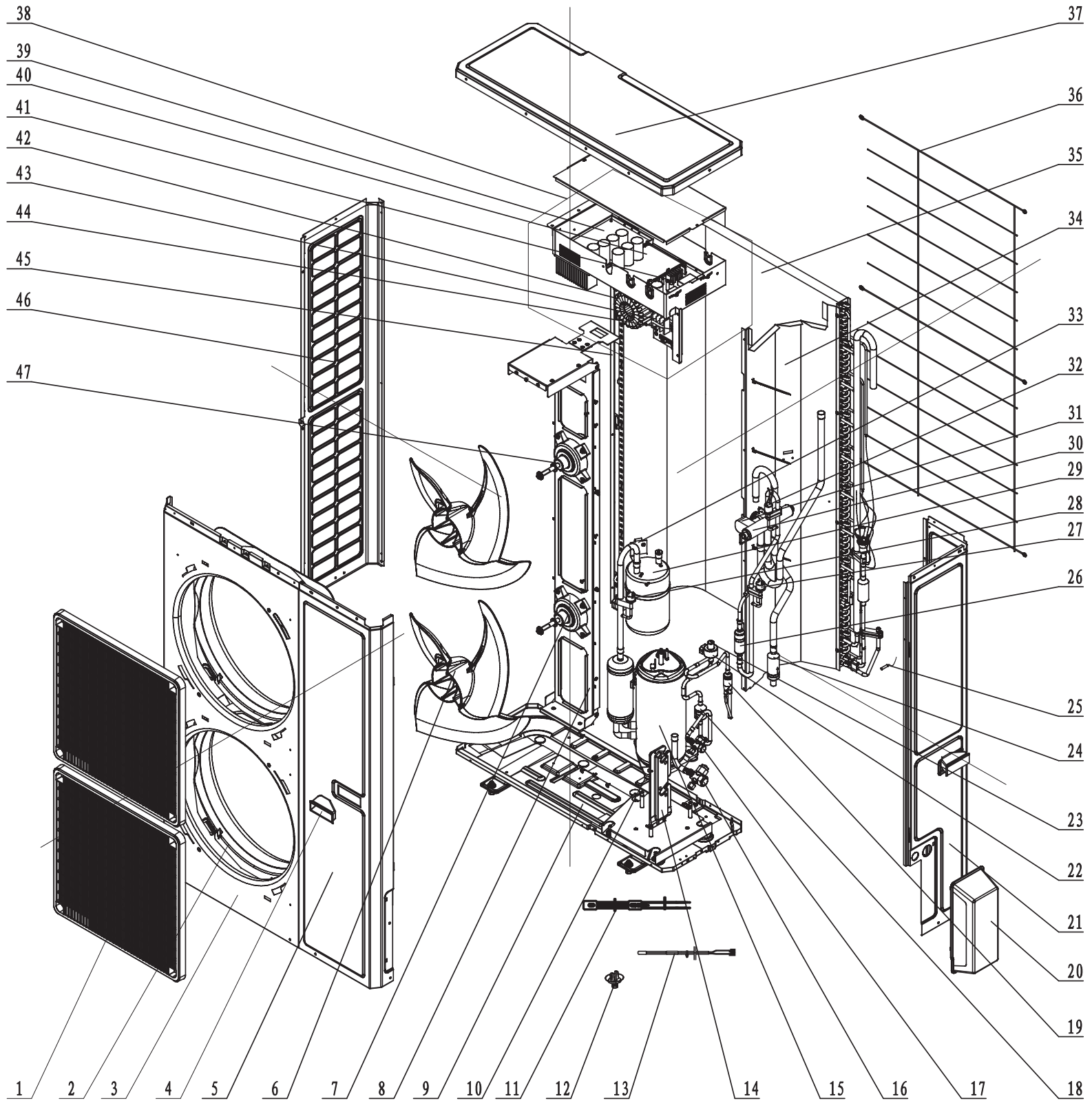
NO.	Part Description	Qty	Part Code
1	Front Grille	2	01574100009
2	Diversion Circle	2	10474100001
3	Cabinet Assy	1	01514100006
4	Handle	1	26235253
5	Front Side Plate	1	01314100021P
6	Axial Flow Fan	2	10434100003
7	Chassis Sub-Assy	1	01195200020P
8	Compressor Crankcase Heater	1	7651873224
9	Drain Plug	3	06813401
10	Drain Connector	1	06123401
11	Pressure Protect Switch	0	none
12	Gas-liquid Separator Sub-Assy	1	07255201
13	Compressor	1	00205200003
N/A	Compressor Overload Protector(External)	1	00180030
N/A	Compressor Overload Protector(External)	1	00183032
N/A	Compressor Overload Protector(External)	1	00183051
14	Compressor Grommet	3	76713066
15	Wire Clamp	1	02145008
16	Silencer	1	07245012
17	Strainer	1	07411100014
18	5/8-in Gas/Suction Valve	1	07133844
19	High Pressure Protect Switch	1	46020003
20	Valve Support Sub-Assy	1	01805200204P
21	3/8-in Liquid Line Valve	1	07130209
22	Rear Side Plate Sub-Assy	1	01315200088P
23	Temperature Sensor Assembly**	1	3900028025G
24	Rear Grille	1	01574100004
25	Clapboard	1	01245200007
26	Bidirectional Strainer	1	07220016
27	Filter	1	07415210
28	Electronic Expansion Valve Assy	1	43045200012
N/A	Electronic Expansion Valve	1	07334194
29	Electronic Expansion Valve Solenoid Coil	1	4300010839
30	Condenser Coil Assy	1	01125200197
31	Supporting Strip	1	01894100026
32	4-Way Valve Assy	1	04045200039
N/A	4-Way Valve	1	43000338
33	High Pressure Protect Switch	1	4602000902

UMAT42HP230V1A0

NO.	Part Description	Qty	Part Code
34	4-Way Valve Solenoid Coil	1	4300040032
35	Terminal Board	1	420101852
36	Terminal Board	1	42011242
37	Main Control Board 1 w/7-segment LED Display	1	30224000036
38	Filter Board	1	30221000007
39	Top Panel Assy	1	01264100008P
40	Driver Board	1	30221000003
N/A	Main Control Board 2	1	30224000027
41	Reactor/PFC Inductance	1	43120011
42	Electric Box Assy	1	01395200490
43	Heat Sink/Radiator	1	49018000047
44	Motor Support Sub-Assy	1	01805200202
45	Fan Motor	1	15704115
46	Fan Motor	1	1570411501
47	Left Side Plate	1	01314100013P

** Temperature Sensor Assembly contains Discharge, Coil, & Ambient sensors.

UMAT48HP230V1A0



UMAT48HP230V1A0

NO.	Part Description	Qty	Part Code
1	Front Grille	2	01575200001
2	Diversion Circle	2	10474100001
3	Cabinet Assy	1	01514100006
4	Handle	1	26235253
5	Front Side Plate	1	01314100021P
6	Axial Flow Fan	2	10434100003
7	Fan Motor	1	15704115
8	Motor Support Sub-Assy	1	01805200260
9	Chassis Sub-Assy	1	01195200020P
10	Compressor Grommet	3	76710247
11	Compressor Crankcase Heater	1	7651521215
12	Drainage Connector	1	06123401
13	Basepan Electric Heater	0	NA
14	Valve Support Sub-Assy	1	01805200204P
15	Compressor	1	00204100001
ot Show	Compressor Overload Protector(External)	1	00180030
ot Show	Compressor Overload Protector(External)	1	00183032
ot Show	Compressor Overload Protector(External)	1	00183051
16	5/8-in Gas/Suction Valve	1	07133844
17	3/8-in Liquid Line Valve	1	07130209
18	Filter	1	07415210
19	Strainer	0	NA
20	Valve Cover	1	26904100056
21	Rear Side Plate Sub-Assy	1	01315200088P
22	Electronic Expansion Valve Sub-Assy	1	43045200015
ot Show	Electronic Expansion Valve	1	07135176
23	Electronic Expansion Valve Solenoid Coil	1	43000344
24	Strainer	1	07411100014
25	Temperature Sensor Assembly**	1	3900028025G
26	Silencer	1	07245012
27	High Pressure Protect Switch	1	46020003
28	Low Pressure Protect Switch	1	46020007
29	Gas-Liquid Separator Sub-Assy	1	0722501801
30	4-way Valve Assy	1	04045200041
ot Show	4-Way Valve	1	43000338
31	4-Way Valve Solenoid Coil	1	4300040032
32	High Pressure Protect Switch	1	4602000902

33	Wire Clamp	1	02145008
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UMAT48HP230V1A0 (Cont.)

NO.	Part Description	Qty	Part Code
34	Clapboard	1	0124520000701
35	Condenser Coil Assy	1	01125200197
36	Rear Grille	1	01574100004
37	Top Panel	1	01264100008P
38	Electric Box Assy	1	01395200255
39	Driver Board	1	30228000005
not shown	Main Control Board 2	1	30224000027
40	Filter Board	1	30228000006
41	Main Control Board 1 w/7-segment LED Display	1	30224000035
42	Reactor/PFC Inductance	1	43128000015
43	Terminal Board	1	42011242
44	Terminal Board	1	420101852
45	Supporting Strip	1	01894100026
46	Left Side Plate	1	01314100013P
47	Fan Motor	1	1570411501

** Temperature Sensor Assembly contains Discharge, Coil, & Ambient sensors.



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