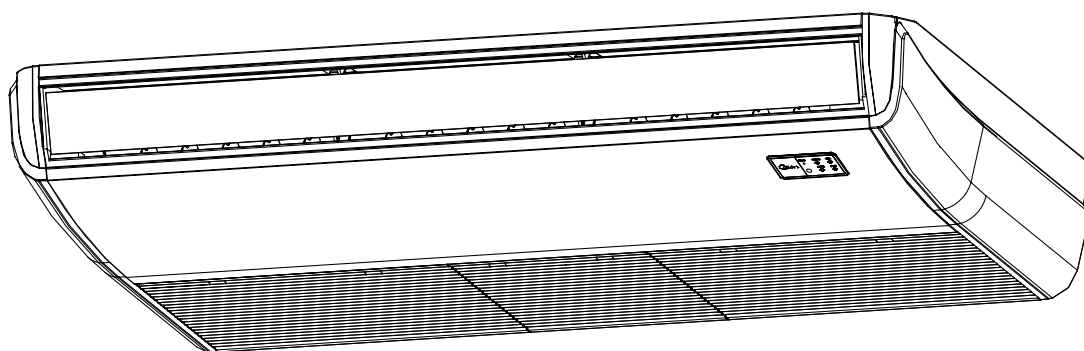


PIONEER®

UYB-20 Inverter Series

For 36,000-48,000 BTU/hr Systems

Quantum Ultra (R-454B) - UB Indoor and YN Outdoor



Expanded Parts Diagrams

IMPORTANT NOTICE:

Read this manual carefully before installing or operating your new air conditioning system. Be sure to save this manual for future reference.

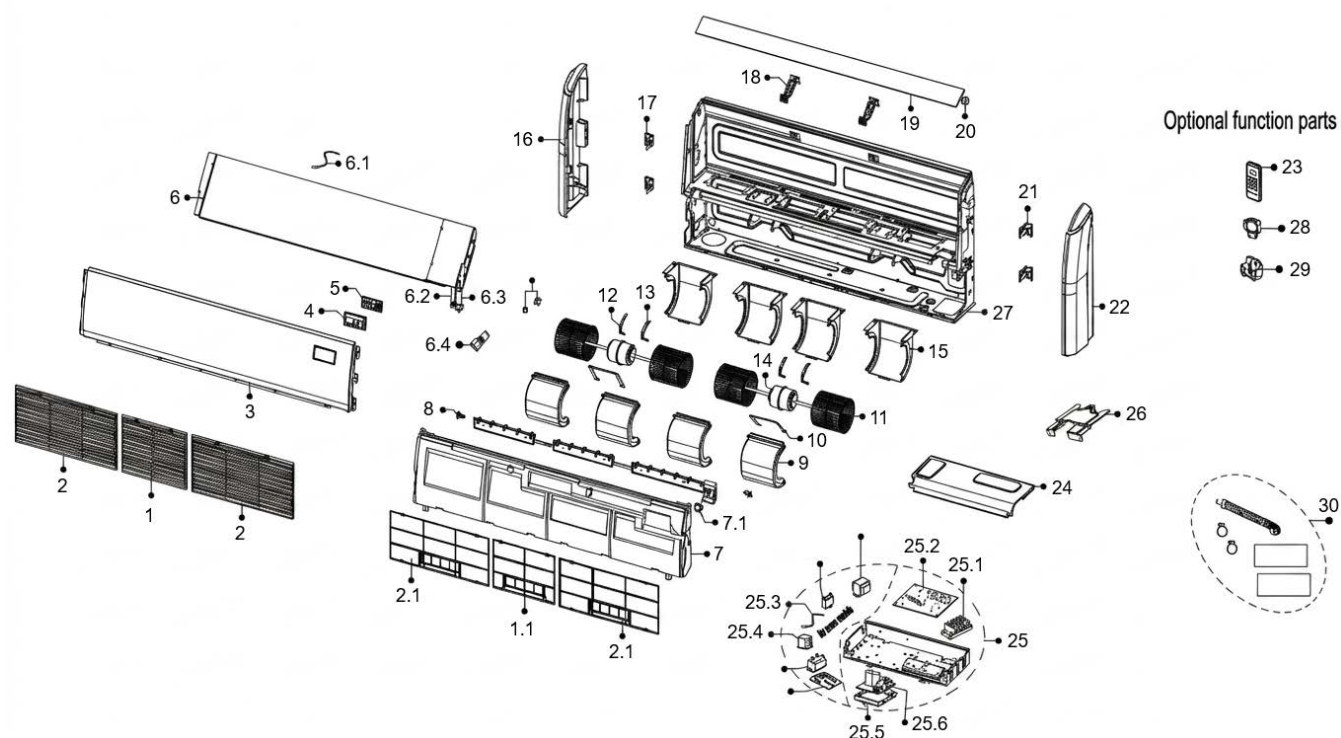
Model Numbers

Note

Serial numbers are typically located behind the electronic control box cover cap of each unit.

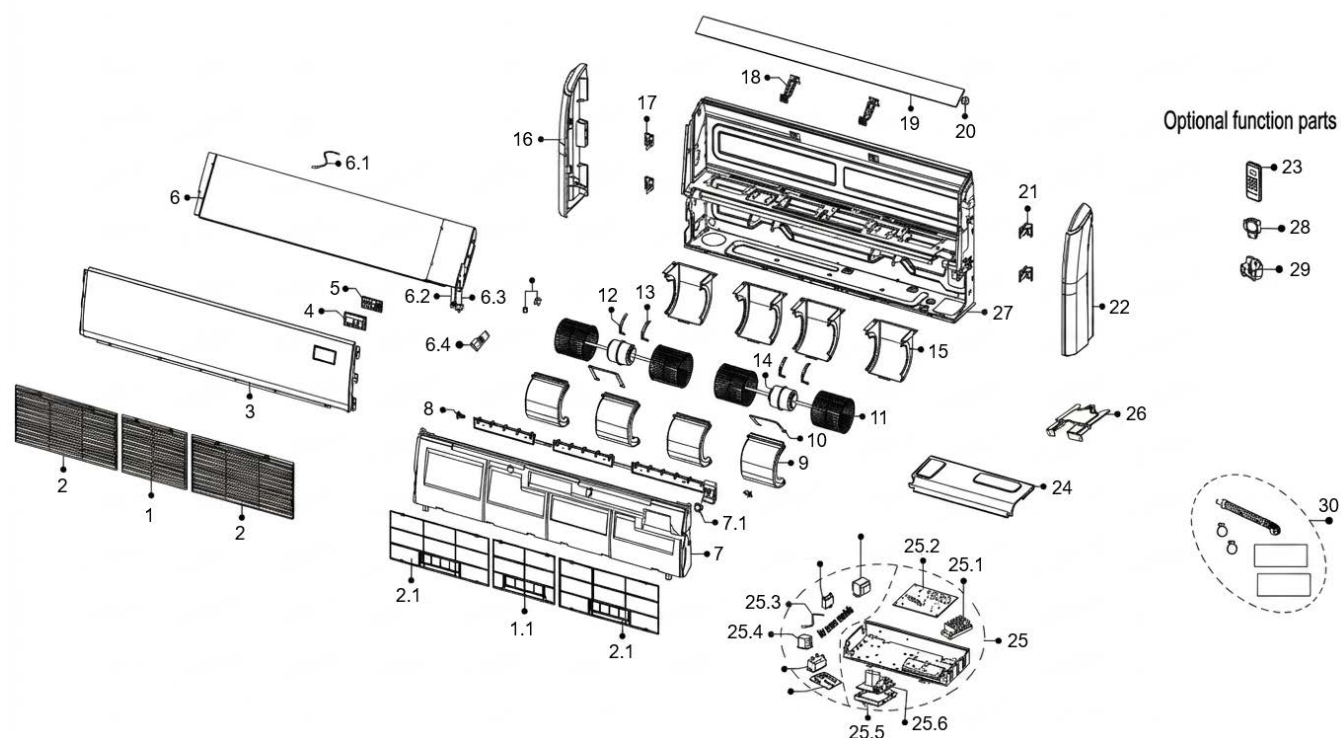
Model	Full System	Indoor Unit	Outdoor Unit
36K	UYB036GMSI20RL	UB036GMSILDFHG	YN036GMSI20RUG
48K	UYB048GMSI20RL	UB048GMSILDFHG	YN048GMSI20RUG

Indoor Unit: UB036GMSILDFHG



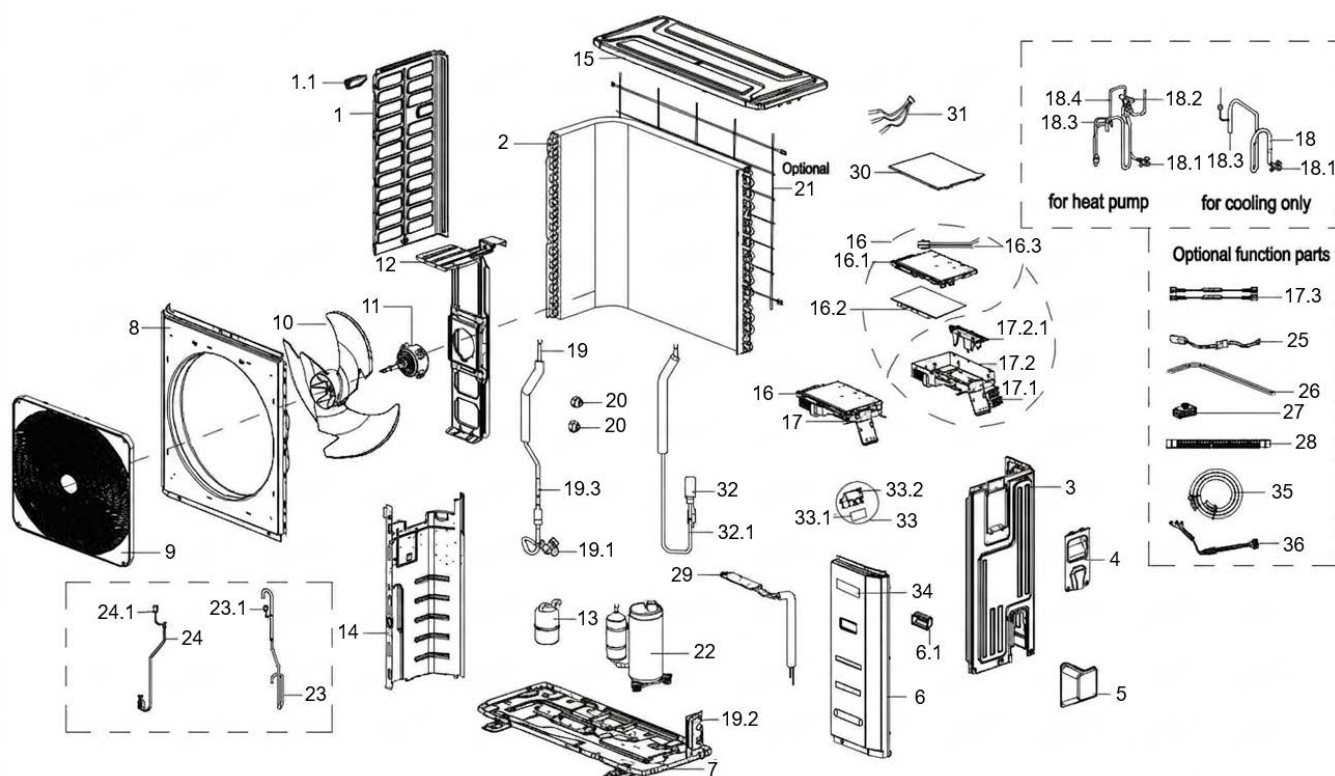
No.	Part No.	Part Name	Qty.	Remark
1	12122700000103	Return Air Grille (Middle)	1	
1.1	12100204000719	Air Filter (Middle)	1	
2	12122700000096	Return Air Grille (Left/Right)	1	
2.1	12100204000718	Air Filter (Left/Right)	1	
3	12222700000093	Front Panel	1	
4	12122700000044	Display Panel Box	1	
5	17122700002835	Display Panel	1	
6	15822700001960	Indoor Coil	1	
6.1	11201007003437	Pipe Temperature Sensor	1	
6.2	15122700001679	Refrigerant Distributor	1	
6.3	15122700000204	Suction Line	1	
6.4	15500209000002	Pin Valve	1	
7	12822700000009	Condensate Drain Pan	1	
7.1	11002010000546	Step Motor	1	
8	12122000000344	Electrical Preventing Axis	1	
9	12122700000756	Fan Scroll (Above)	1	
10	12223000000537	Fan Motor Cover	1	
11	12100103000165	Blower Wheel	1	
12	12222500000255	Fan Shroud	1	
13	12222500000253	Fan Motor Shaft Clamp	1	
14	11002015000344	Fan Motor (Brushless DC)	1	
15	12122700000755	Fan Scroll (Below)	1	
16	12122700000087	Cover Panel (Left Side)	1	
17	12222700000018	Rigging Lug	1	
18	12122700000150	Louver Frame	1	
19	12122700000718	Louver	1	
20	11002010000057	Step Motor	1	

Indoor Unit: UB036GMSILDFHG



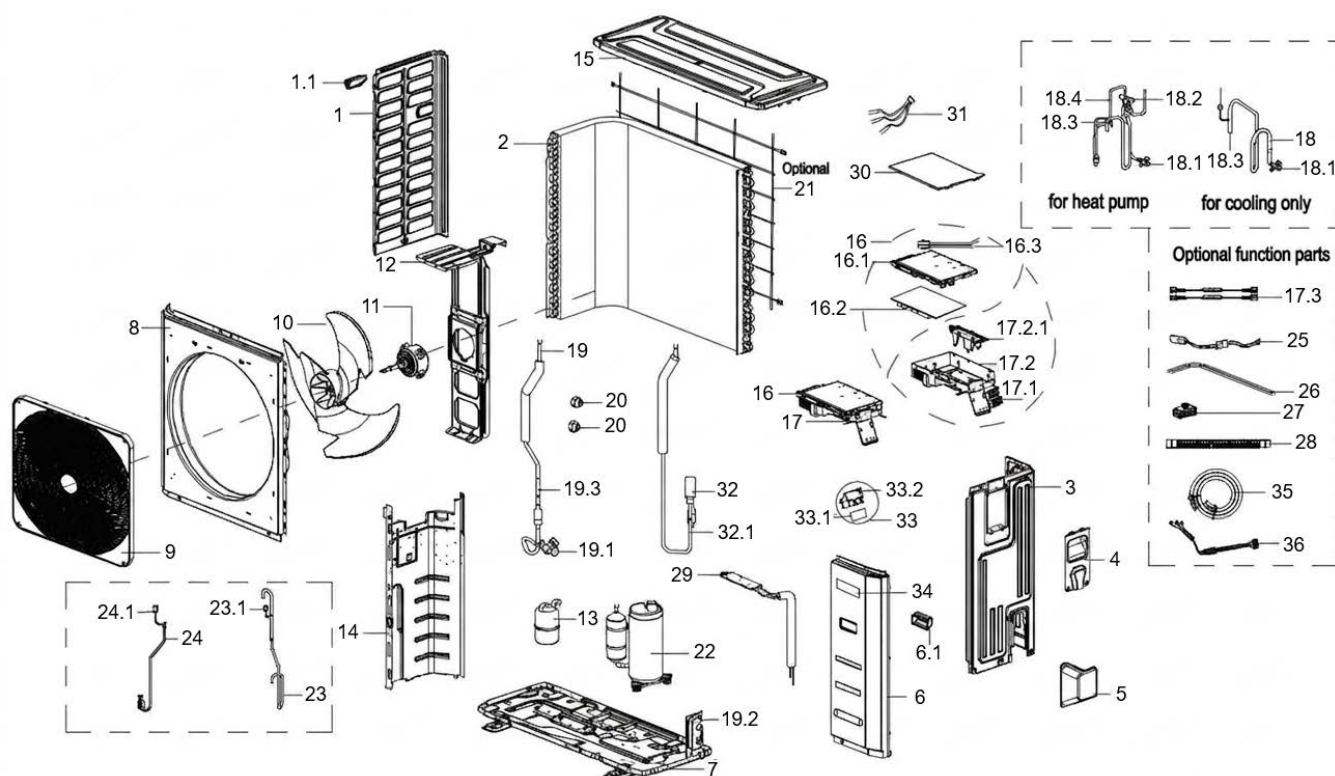
No.	Part No.	Part Name	Qty.	Remark
21	12222700000016	Rigging Lug	1	
22	12122700000093	Cover Panel (Right Side)	1	
23	17317000A73456	Remote Control	1	
24	12222700001266	Control Box Cover	1	
25	17222700002836	Control Box	1	
25.1	17400401005516	Wire Joint	1	
25.1	17400401000085	Wire Joint	1	
25.2	17122700003345	Printed Circuit Board (PCB)	1	
25.3	11201007003424	Room Temperature Sensor	1	
25.4	17400306001543	Reactor	1	
25.5	12122000014182	Electronic Installation Box	1	
25.6	17122000064694	Inverter Module	1	
26	12222700001206	Piping Plate Assembly	1	
27	12222700000228	Chassis	1	
28	11201003000344	Gas Leak Detector	1	
29	12122000029201	Remote Control Holder	1	
30	12011600A00310	Condensate Drain Kit	1	
31	15500406000010	Copper Flare Nut	1	
	15500406000008			

Outdoor Unit: YN036GMSI20RUG



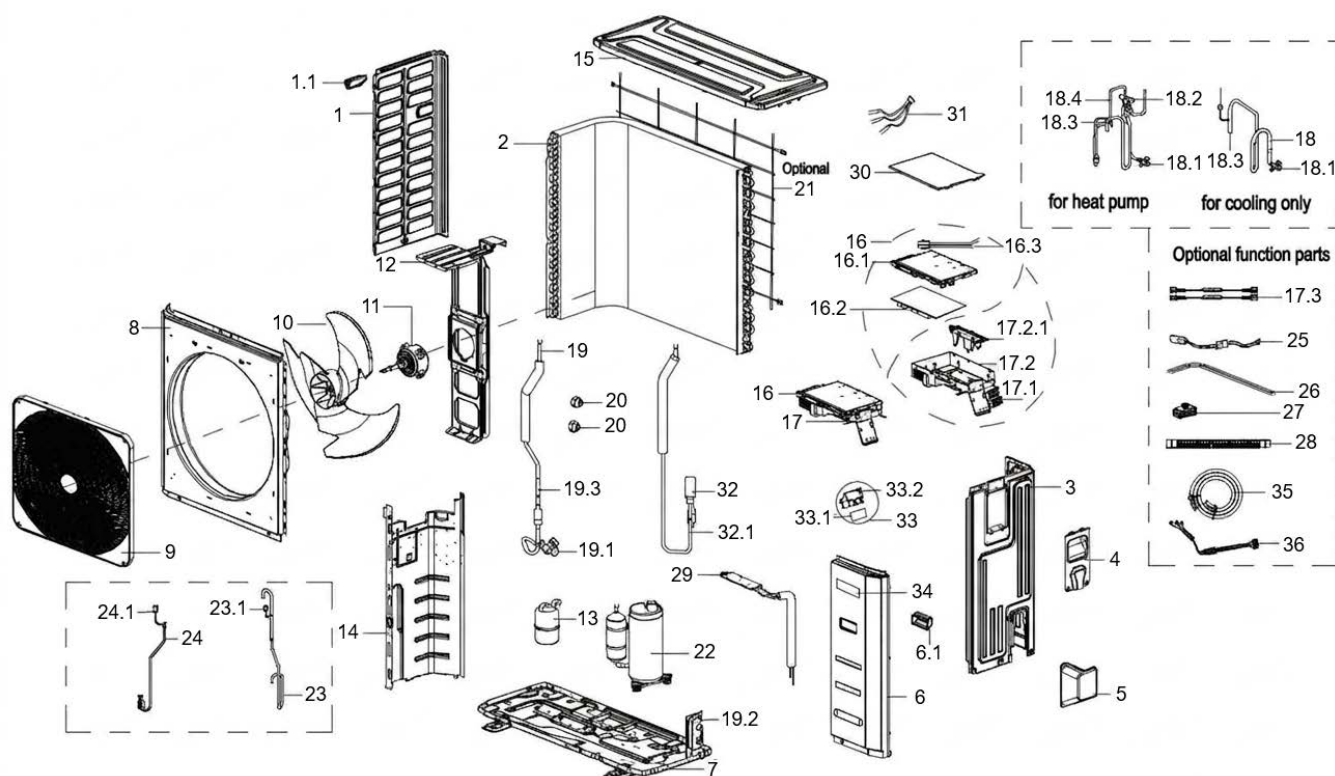
No.	Part No.	Part Name	Qty.	Remark
1	12222000006665	Left Side Panel	1	
1.1	12100701000033	Small Handle	1	
2	15822000014546	Condensing Unit	1	
3	12222000019926	Right Side Panel	1	
4	12222000011085	Large Handle	1	
5	12122200002695	Condensate Drain Pan	1	
6	12222500003152	Front Right Panel	1	
6.1	12100702000038	Handle	1	
7	12222000004018	Chassis	1	
8	12222000A01431	Front Panel	1	
9	12222000014845	Air Outlet Grille	1	
10	12100105000084	Fan Blade (Axial Flow)	1	
11	11002015020443	Fan Motor (Brushless DC)	1	
12	12222000005162	Fan Motor Mounting Bracket	1	
13	15500508000002	Liquid-Storage Tank	1	
14	12222000023005	Partition Board	1	
15	12222500000587	Top Cover	1	
16	17222000048811	Control Box	1	
16.1	12122000034104	Electronic Installation Box	1	
16.2	17122000070100	Printed Circuit Board (PCB)	1	
16.3	17401203026201	HV Junction Cable	1	
17	17222000043453	Terminal Board	1	
17.1	17400401006536	Wire Joint	1	
17.2	12222000018888	Electronic Installation Box	1	
17.2.1	12122000033782	U-Typed Support with Copper Pipe	1	
17.3	17401203032140	HV Junction Cable	1	

Outdoor Unit: YN036GMSI20RUG



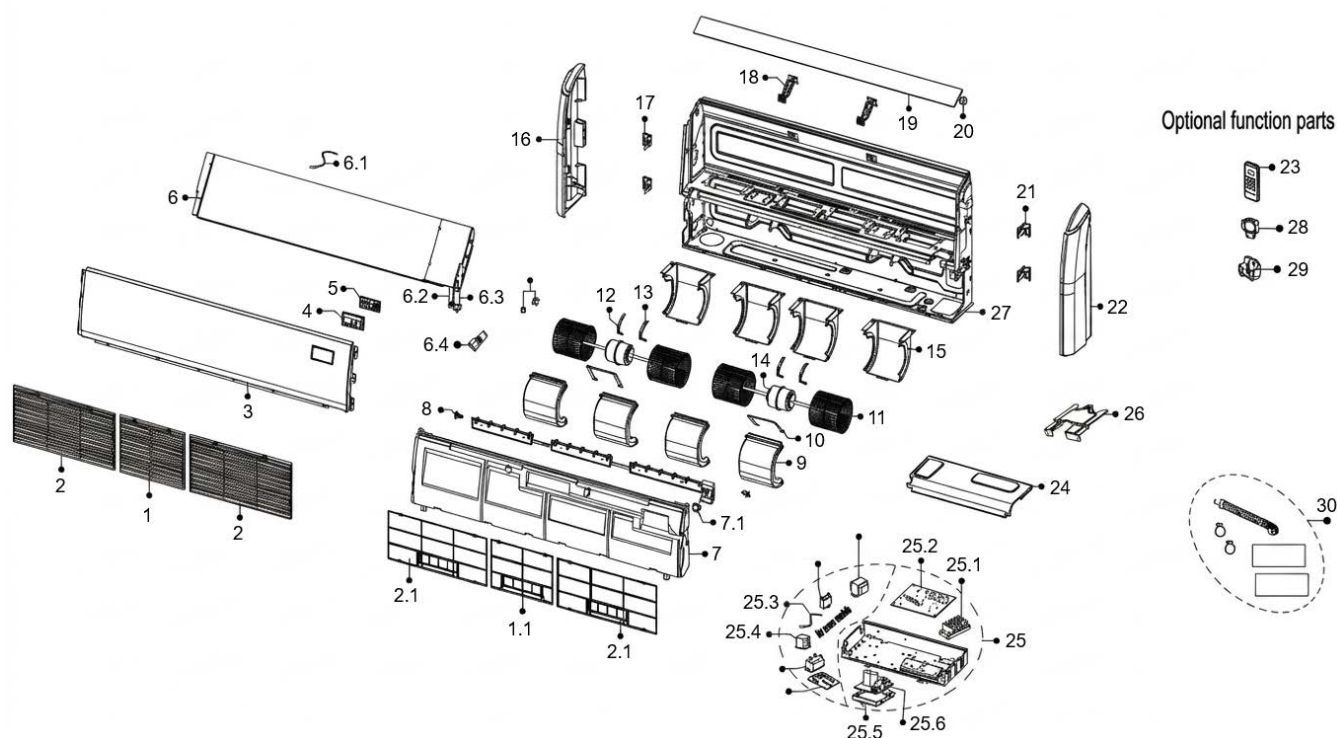
No.	Part No.	Part Name	Qty.	Remark
18	15422500001296	4-Way Valve Assembly	1	
18.1	15500204000662	Gas Valve	1	
18.2	15500216002483	4-Way Valve	1	
18.3	15123000008207	Suction Line	1	
18.4	15123000003661	Discharge Line	1	
19	15422000025717	Liquid Valve Assembly	1	
19.1	15500208000286	Liquid Valve	1	
19.2	1222200000611	Valve Installation Plate	1	
19.3	15500210003208	Throttle Valve	1	
20	15500406000008	Flare Nut	1	
	15500406000010	Flare Nut	1	
21	12222000006604	Rear Grille	1	
22	11103020000719	Compressor (Rotary Inverter)	1	
23	15122500001076	Suction Line Assembly	1	
23.1	17400516000848	Pressure Controller	1	
24	15122000028897	Discharge Line Assembly	1	
24.1	17400516000849	Pressure Controller	1	
25	17402001001059	Crankcase Heater	1	
26	17402002000466	Heater	1	
27	12600401000813	Rubber Pad	1	
28	12100509000038	Drain Hose	1	
29	15122000033880	Radiator	1	
30	12222000018405	Cover Plate Assembly	1	
31	11201011001107	Temperature Sensor	1	
32	15422000017858	Electronic Expansion Valve Assembly	1	
32.1	15500213002289	Electronic Expansion Valve	1	

Outdoor Unit: YN036GMSI20RUG



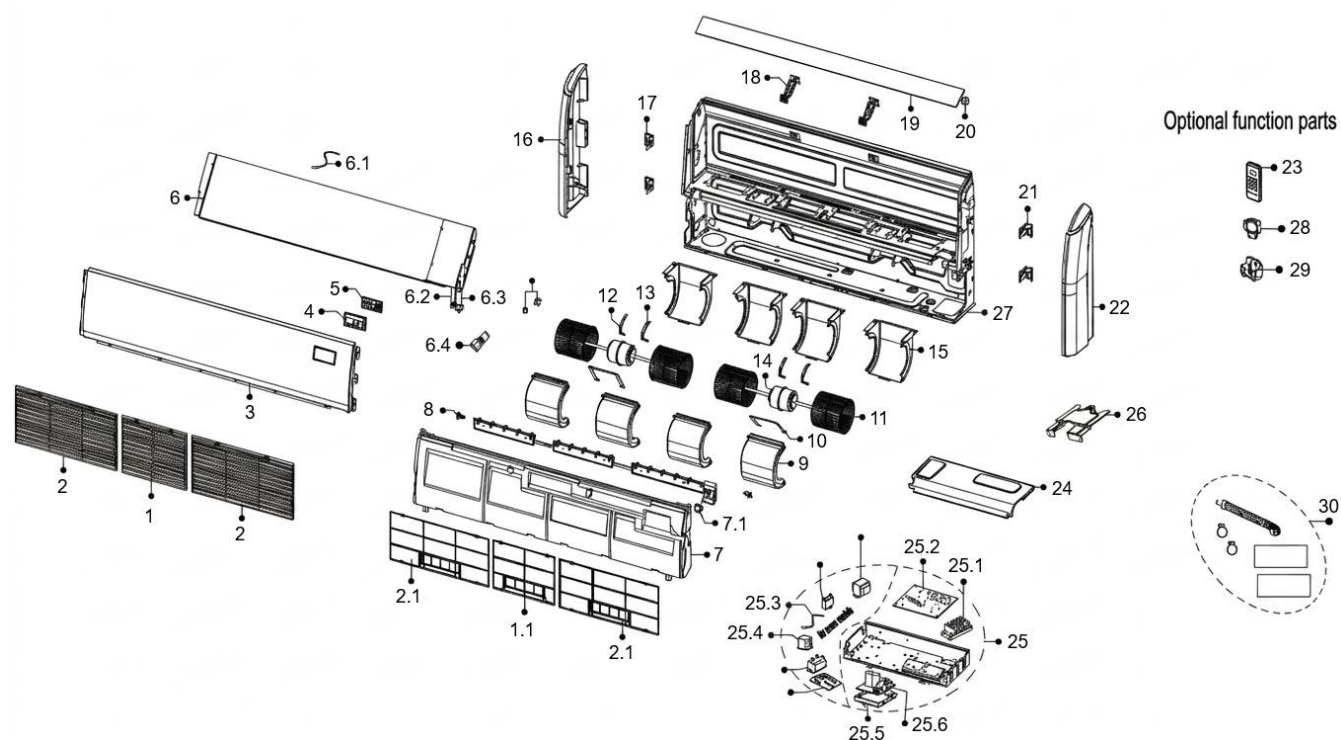
No.	Part No.	Part Name	Qty.	Remark
33	17222000043452	Keyboard Box	1	
33.1	17122000063037	Keyboard	1	
33.2	12122000025661	DR Installation Foundation	1	
34	16022000B78474	Trademark	1	
35	12011600A00350	Accessory Kit	1	
36	17401203000751	Compressor Wires	1	

Indoor Unit: UB048GMSILDFHG



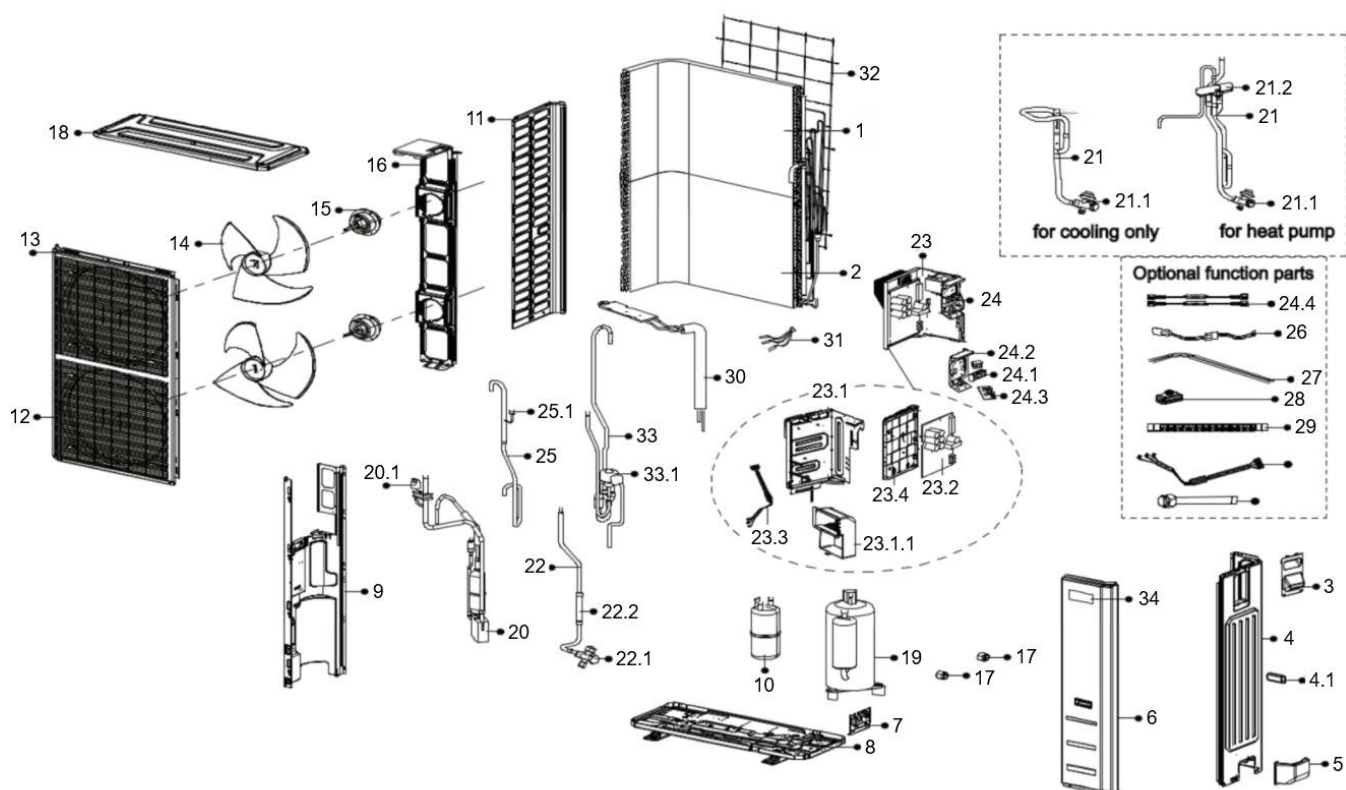
No.	Part No.	Part Name	Qty.	Remark
1	12122700000103	Return Air Grille (Middle)	1	
1.1	12100204000719	Air Filter (Middle)	1	
2	12122700000096	Return Air Grille (Left/Right)	1	
2.1	12100204000718	Air Filter (Left/Right)	1	
3	12222700000093	Front Panel	1	
4	12122700000044	Display Panel Box	1	
5	17122700002835	Display Panel	1	
6	15822700001960	Indoor Coil	1	
6.1	11201007003437	Pipe Temperature Sensor	1	
6.2	15122700001679	Refrigerant Distributor	1	
6.3	15122700000204	Suction Line	1	
6.4	15500209000002	Pin Valve	1	
7	12822700000009	Condensate Drain Pan	1	
7.1	11002010000546	Step Motor	1	
8	12122000000344	Electrical Preventing Axis	1	
9	12122700000756	Fan Scroll (Above)	1	
10	12223000000537	Fan Motor Cover	1	
11	12100103000165	Blower Wheel	1	
12	12222500000255	Fan Shroud	1	
13	12222500000253	Fan Motor Shaft Clamp	1	
14	11002015000344	Fan Motor (Brushless DC)	1	
15	12122700000755	Fan Scroll (Below)	1	
16	12122700000087	Cover Panel (Left Side)	1	
17	12222700000018	Rigging Lug	1	
18	12122700000150	Louver Frame	1	
19	12122700000718	Louver	1	
20	11002010000057	Step Motor	1	

Indoor Unit: UB048GMSILDFHG



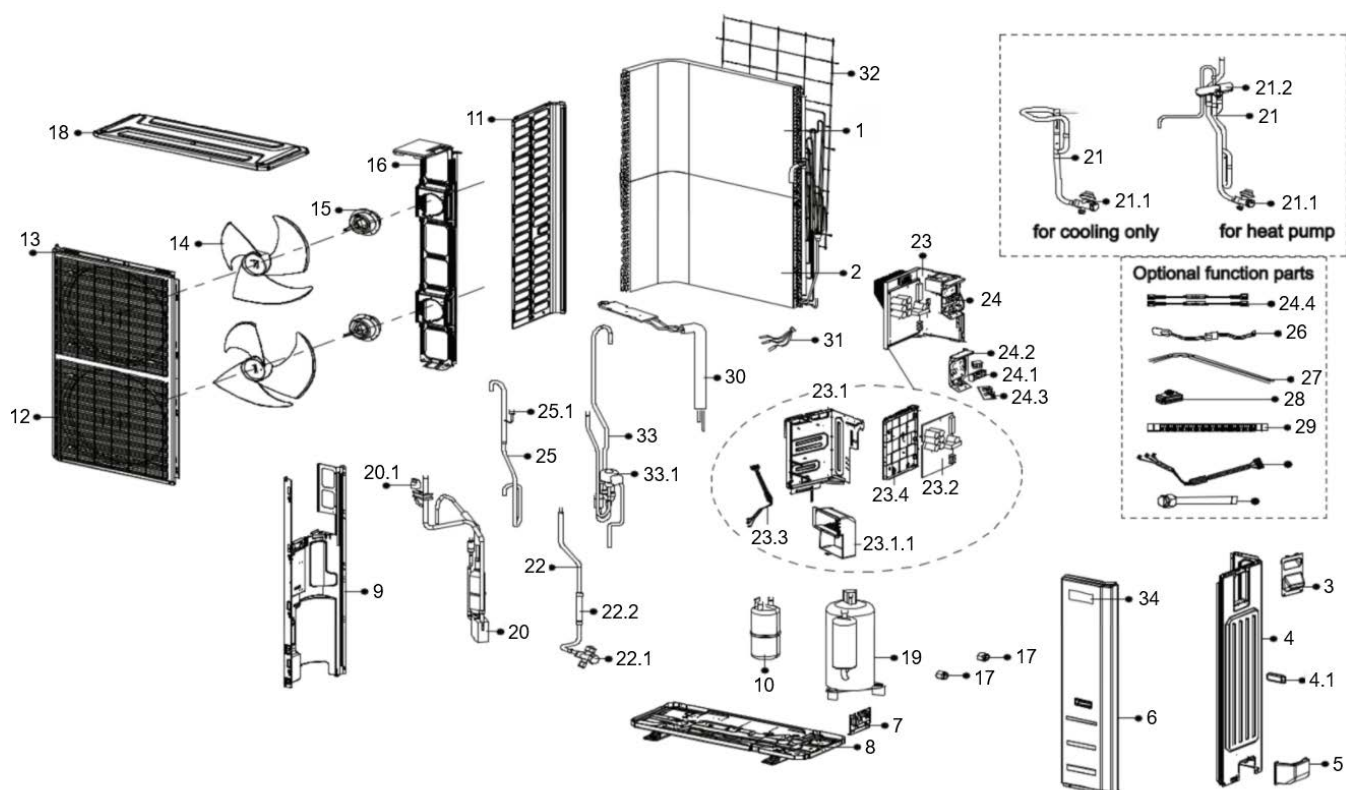
No.	Part No.	Part Name	Qty.	Remark
21	12222700000016	Rigging Lug	1	
22	12122700000093	Cover Panel (Right Side)	1	
23	17317000A73456	Remote Control	1	
24	12222700001266	Control Box Cover	1	
25	17222700002837	Control Box	1	
25.1	17400401005516	Wire Joint	1	
25.1	17400401000085	Wire Joint	1	
25.2	17122700003346	Printed Circuit Board (PCB)	1	
25.3	11201007003424	Room Temperature Sensor	1	
25.4	17400306001543	Reactor	1	
25.5	12122000014182	Electronic Installation Box	1	
25.6	17122000064694	Inverter Module	1	
26	12222700001206	Piping Plate Assembly	1	
27	12222700000228	Chassis	1	
28	11201003000344	Gas Leak Detector	1	
29	12122000029201	Remote Control Holder	1	
30	12011600A00310	Condensate Drain Kit	1	
31	15500406000010	Copper Flare Nut	1	
	15500406000008			

Outdoor Unit: YN048GMSI20RUG



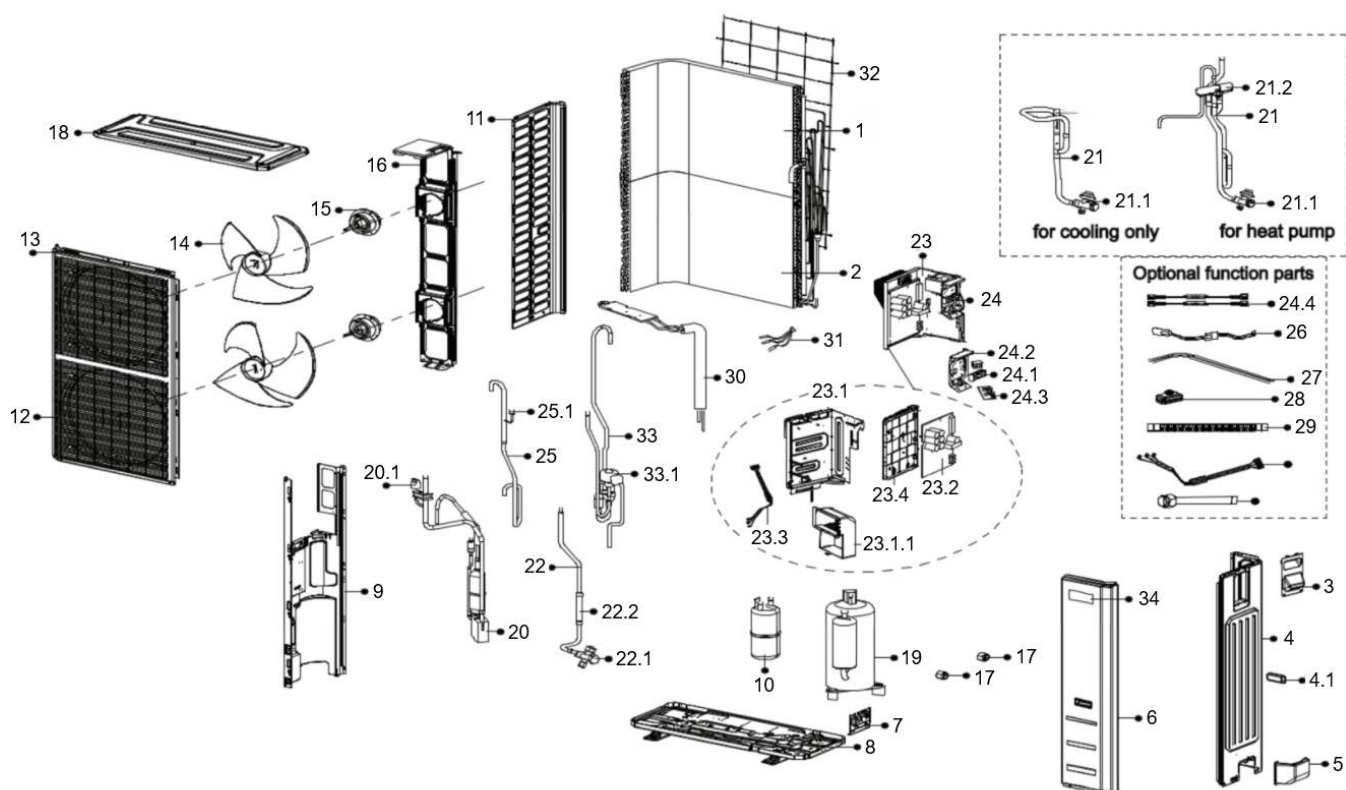
No.	Part No.	Part Name	Qty.	Remark
1	15822000010762	Top Condensing Unit	1	
2	15822000015346	Bottom Condensing Unit	1	
3	12222000018396	Large Handle	1	
4	12222000019916	Right Side Panel	1	
4.1	12100702000038	Handle	1	
5	12122000014023	Condensate Drain Pan	1	
6	12222000020285	Front Right Panel	1	
7	1222200002361	Valve Installation Plate	1	
8	12222000006290	Chassis	1	
9	12222000005733	Partition Board	1	
10	15500508000009	Liquid-Storage Tank	1	
11	1222200002363	Left Side Panel	1	
12	12222000014845	Air Outlet Grille	1	
13	12222000007564	Front Panel	1	
14	12100105000022	Fan Blade (Axial Flow)	1	
15	11002015019452	Fan Motor (Brushless DC)	1	
16	12222000006288	Fan Motor Mounting Bracket	1	
17	15500406000010	Flare Nut	1	
	15500406000008	Flare Nut	1	
18	12222000008695	Top Cover	1	
19	11103020002859	Compressor (Rotary Inverter)	1	
20	15122000034248	Discharge Line	1	
20.1	17400516000851	Pressure Controller	1	
21	15422000025739	4-Way Valve Assembly	1	
21.1	15500204000662	Gas Valve	1	
21.2	15500216002623	Reversing Valve	1	

Outdoor Unit: YN048GMSI20RUG



No.	Part No.	Part Name	Qty.	Remark
22	15422000019292	Liquid Valve Assembly	1	
22.1	15500208000286	Liquid Valve	1	
22.2	15500210001888	Throttle Valve	1	
23	17222000048790	Control Box	1	
23.1	12222000019348	Electronic Parts Installation Plate	1	
23.1.1	12122000020942	Air Duct	1	
23.2	17122000070098	Printed Circuit Board (PCB)	1	
23.3	17401203000936	Compressor Wires	1	
23.4	12122000032939	Electronic Installation Box	1	
24	17222000043432	Terminal Board	1	
24.1	17400401000085	Wire Joint	1	
	17400401006516	Wire Joint	1	
24.2	12222000019625	Terminal Installation Subassembly	1	
24.3	17122000063054	Keyboard	1	
24.4	17401203032144	HV Junction Cable	1	
25	15122000034249	Suction Line Assembly	1	
25.1	17400516000008	Pressure Controller	1	
26	17402001000602	Crankcase Heater	1	
27	17402002000466	Heater	1	
28	12600401000813	Rubber Pad	1	
29	12100509000038	Drain Hose	1	
30	15122000034194	Radiator	1	
31	11201011001207	Temperature Sensor	1	
32	12222000007944	Rear Grille	1	
33	15422000025740	Electronic Expansion Valve Assembly	1	
33.1	15500213000265	Electronic Expansion Valve	1	

Outdoor Unit: YN048GMSI20RUG



No.	Part No.	Part Name	Qty.	Remark
34	16022000B78474	Trademark	1	

The design and specifications of this product are subject to change without prior notice as development continues. Consult with the sales agency or manufacturer for details. Refer to the equipment nameplate for all other applicable specifications.

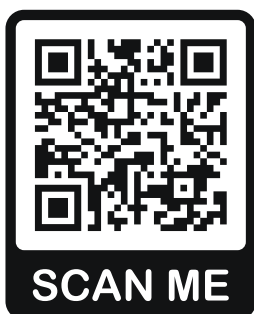


is a registered trademark of Parker Davis HVAC International, LLC.

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Website: www.pdhvac.com

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