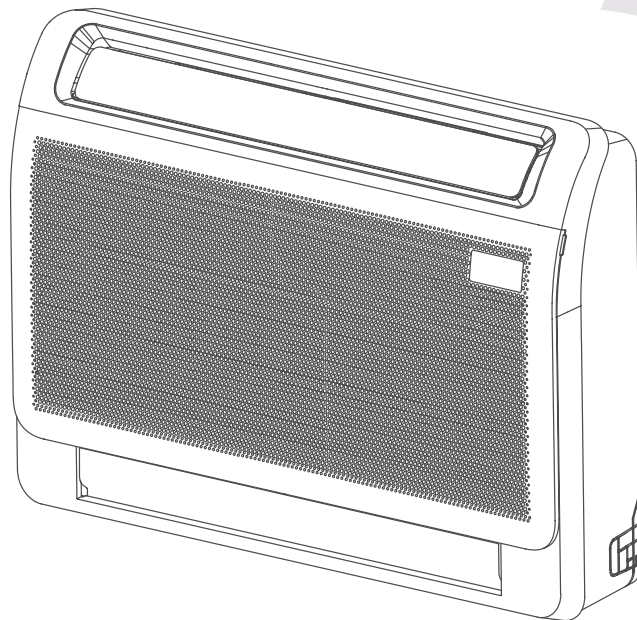


PIONEER®

FYB-24 Inverter Series

For 12,000-16,000 BTU/hr Systems

Quantum Ultra (R-454B) - FB 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.

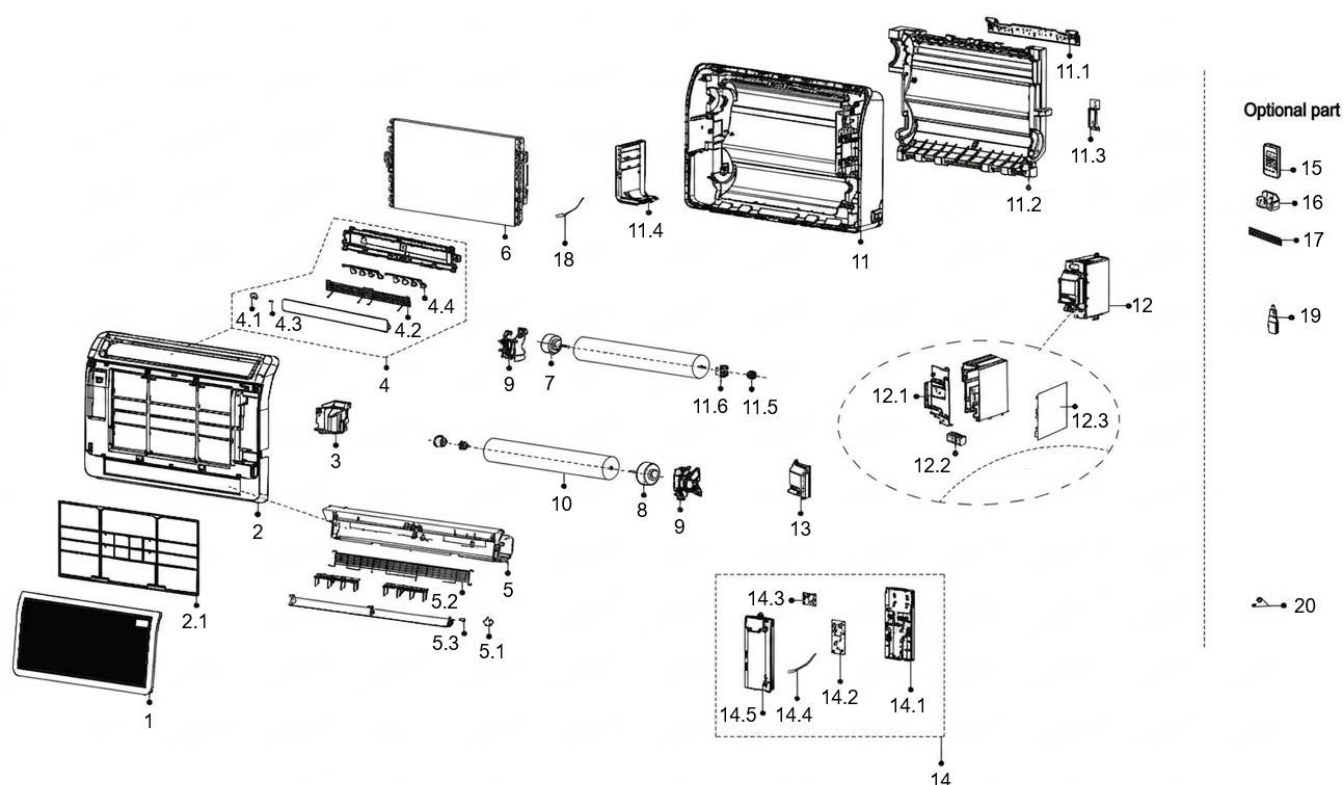
Model Numbers

Note

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

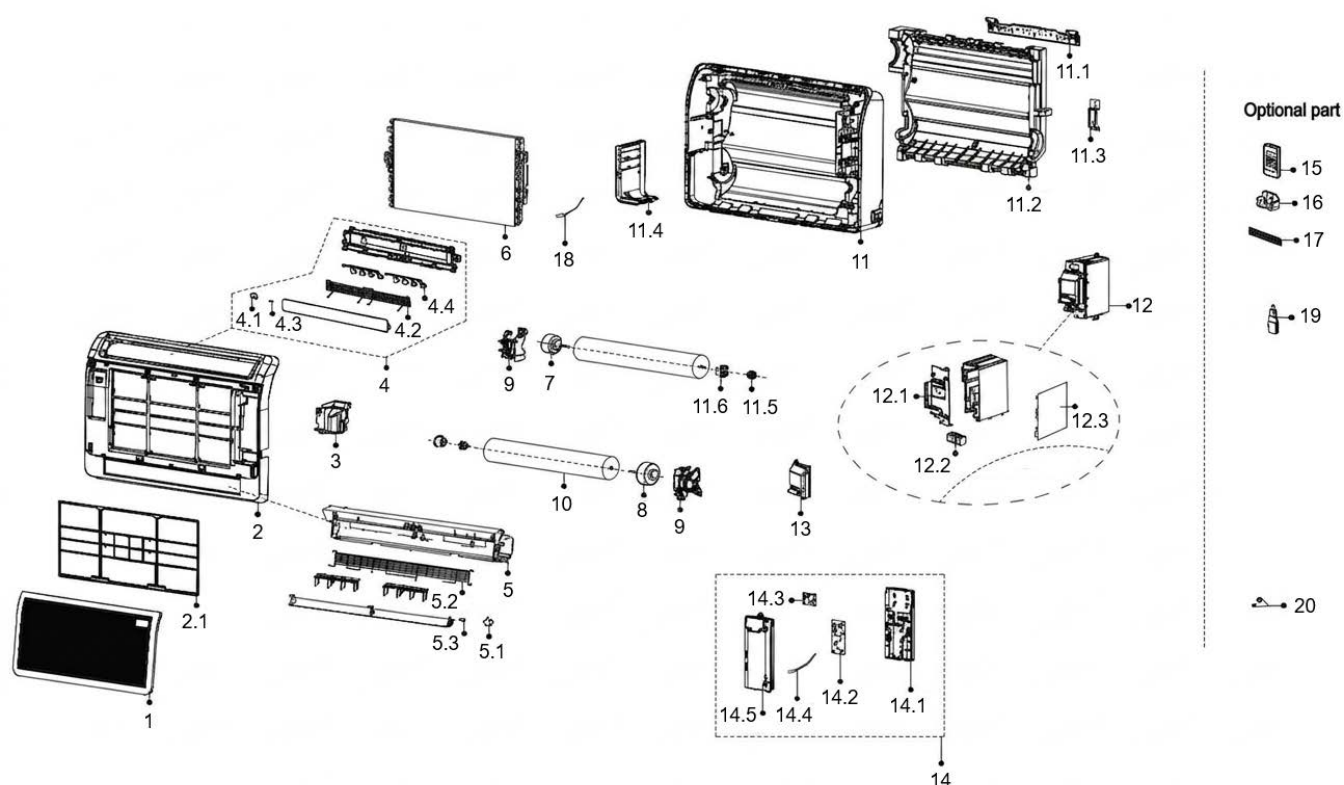
Model	Full System	Indoor Unit	Outdoor Unit
12K	FYB012GMSI24RL	FB012GMSILDFHG	YN012GMSI24RPG
16K	FYB018GMSI24RL	FB018GMSILDFHG	YN018GMSI24RPG

Indoor Unit: FB012GMSILDFHG



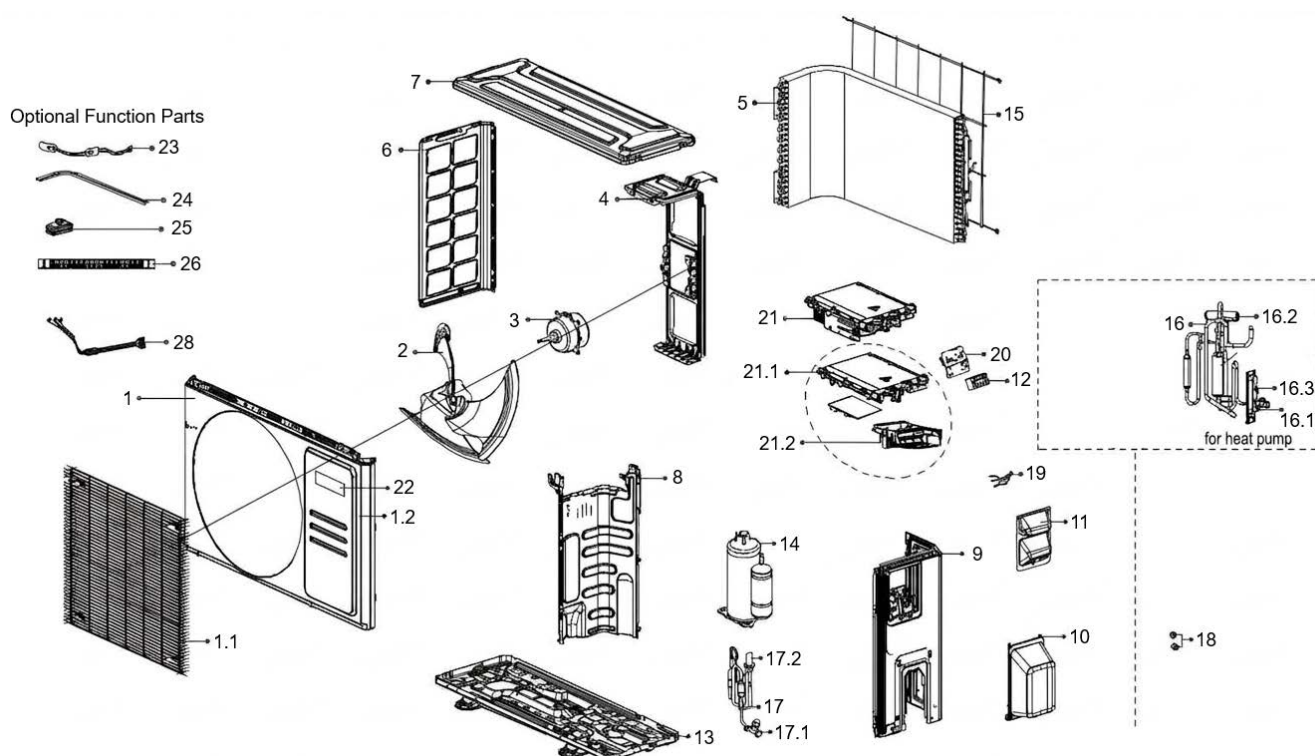
No.	Part No.	Part Name	Qty.	Remark
1	12122600A05384	Front Panel	1	
2	12122600000288	Front Panel Frame	1	
2.1	12122600000311	Air Filter	1	
3	12122600000309	Auxiliary Condensate Drain Pan	1	
4	12122600000306	Lower Air Outlet Frame Assembly	1	
4.1	11002010001486	Step Motor	1	
4.2	12922000002792	Protective Wire	1	
4.3	12122000000344	Electricity Preventing Axis	1	
4.4	12122600000310	Louver	1	
5	12122600000287	Lower Air Outlet Frame Assembly	1	
5.1	11002010001106	Step Motor	1	
5.2	12922000002791	Protective wire	1	
5.3	12122000000344	Electricity Preventing Axis	1	
6	15822600000187	Indoor Coil	1	
7	11002015008751	Fan Motor	1	
8	11002015016692	Fan Motor	1	
9	12122600000290	Fan Motor Cover	2	
10	12100102000876	Blower Wheel	2	
11	12122600000425	Chassis	1	
11.1	12222600000129	Installation Board	1	
11.2	12822600000024	Chassis Foam	1	
11.3	12222600000148	Installation Board	1	
11.4	12122600000289	Mounting Cover Plate	1	
11.5	12622000000131	Pillow Block Bearing	1	
11.6	12122600000405	Bearing Housing Sleeve	1	
12	17222700002839	Control Box	1	
12.1	12122000025067	Control Box Cover	1	

Indoor Unit: FB012GMSILDFHG



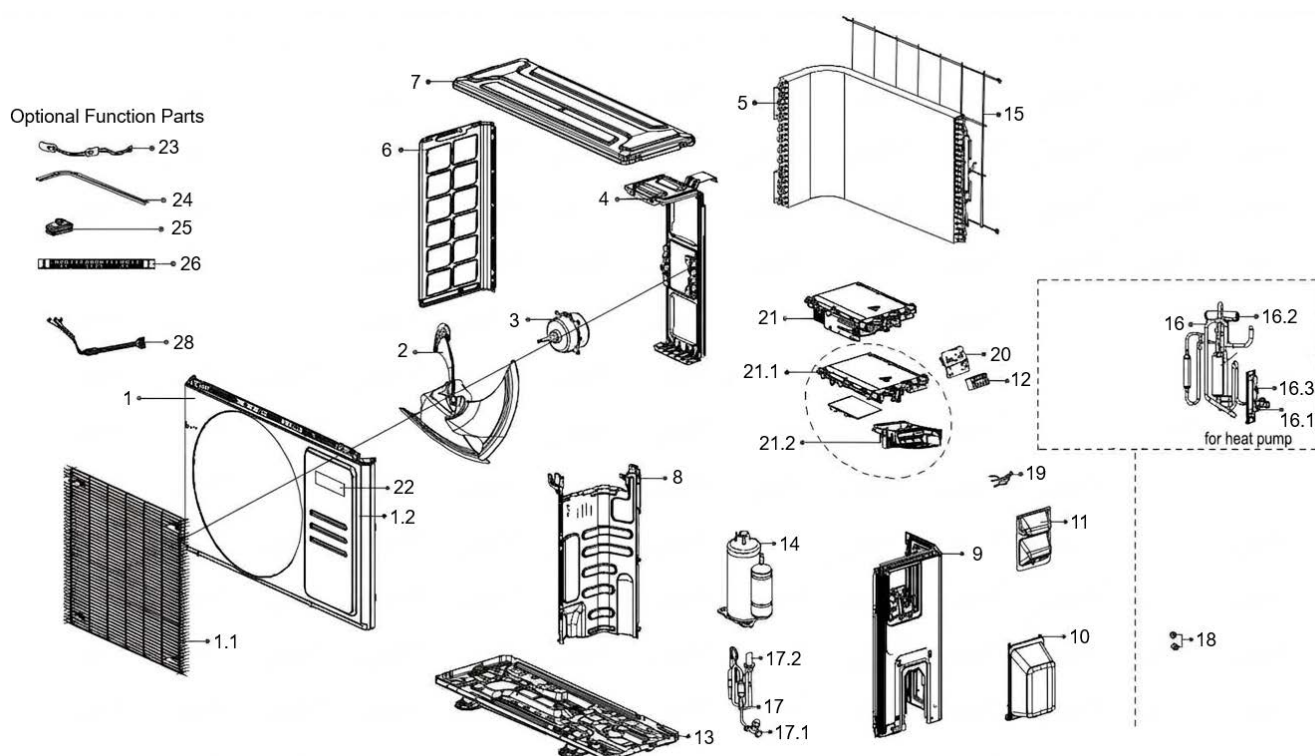
No.	Part No.	Part Name	Qty.	Remark
12.2	17400401000576	Wire Joint	1	
12.3	17122700003538	Printed Circuit Board (PCB)	1	
13	12122000025064	Wiring Cover Board	1	
14	17222700002617	Display Panel	1	
14.1	12122600000305	Display Panel Box	1	
14.2	17122700002878	Display Printed Circuit Board (PCB)	1	
14.3	17120100000394	Humidity Sensor	1	
14.4	11201007003103	Room Temperature Sensor	1	
14.5	12122600000286	Display Panel Subassembly	1	
15	17317000A73728	Remote Control	1	
16	12122000029201	Remote Control Holder	1	
17	12100204000685	Cold Catalyst Air Filter	1	
18	11201007003437	Pipe Temperature Sensor	1	
19	17310900005781	Wi-Fi Module	1	
20	15500406000010	Flare Nut	1	
	15500406000016	Flare Nut	1	
21	11201003000464	Gas Leak Detector	1	

Outdoor Unit: YN012GMSI24RPG



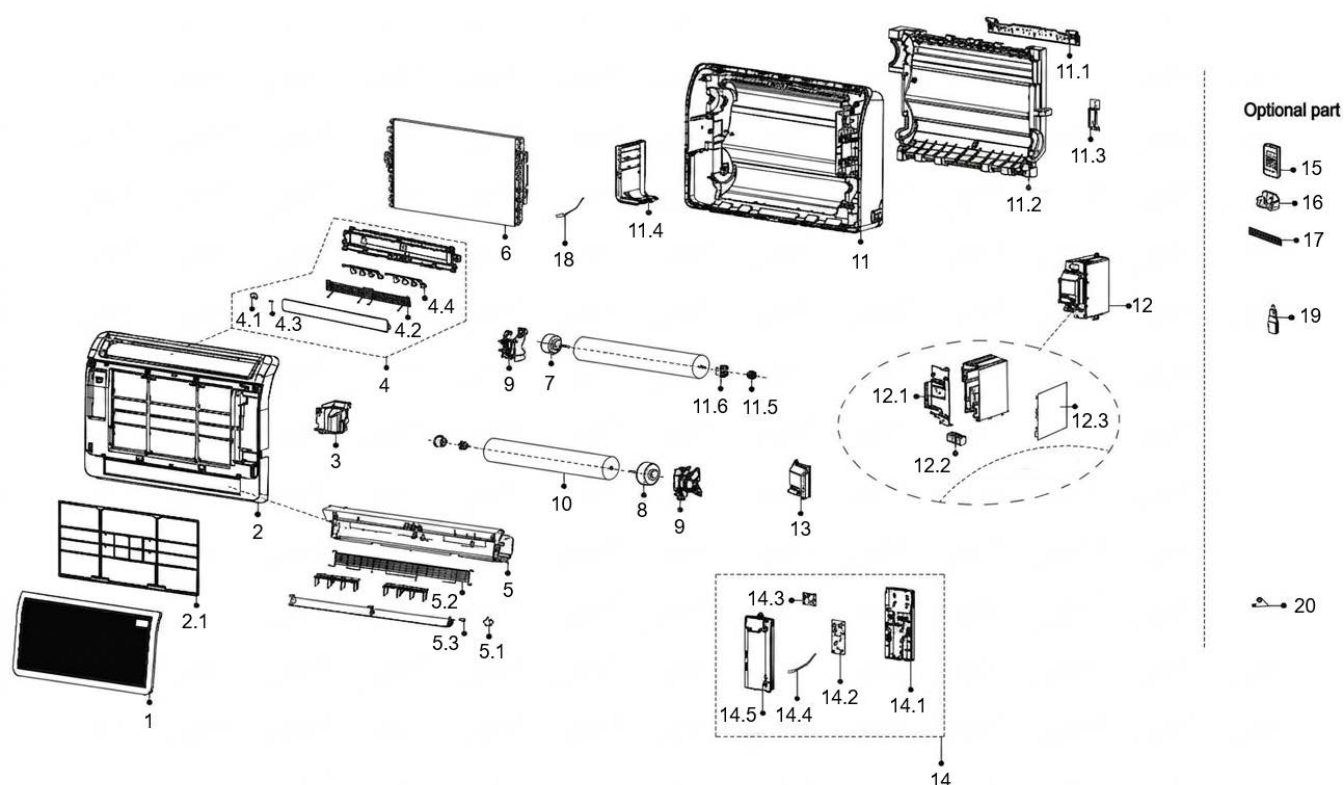
No.	Part No.	Part Name	Qty.	Remark
1	12222000A06317	Front Panel Assembly	1	
1.1	12222000A06091	Air Outlet Grille	1	
1.2	12222000A06318	Front Panel	1	
2	12100105000961	Propeller Fan	1	
3	11002015016238	Fan Motor	1	
4	12222000013233	Fan Motor Mounting Bracket	1	
5	15822000014034	Condensing Unit	1	
6	12222000013238	Left Side Panel	1	
7	12222000013240	Top Cover	1	
8	12222000013665	Partition Board	1	
9	12222000013225	Right Side Panel	1	
10	12122000007150	Water Collector	1	
11	12222000010966	Large Handle	1	
12	17400401006456	Wire Joint	1	
13	12222000020565	Chassis	1	
14	11103020005082	Rotary Inverter Compressor	1	
15	12222000015606	Rear Grille	1	
16	15422000025357	4-Way Valve Assembly	1	
16.1	15500204000665	Gas Valve	1	
16.2	15500216002383	4-Way Valve	1	
16.3	12222200005738	Valve Installation Plate	1	
17	15422000023716	Liquid Valve Assembly	1	
17.1	15500208000028	High Pressure Switch (HPS)	1	
17.2	15500213002089	Electronic Expansion Valve (EEV)	1	
18	15500406000016	Flare Nut	1	
	15500406000010	Flare Nut	1	

Outdoor Unit: YN012GMSI24RPG



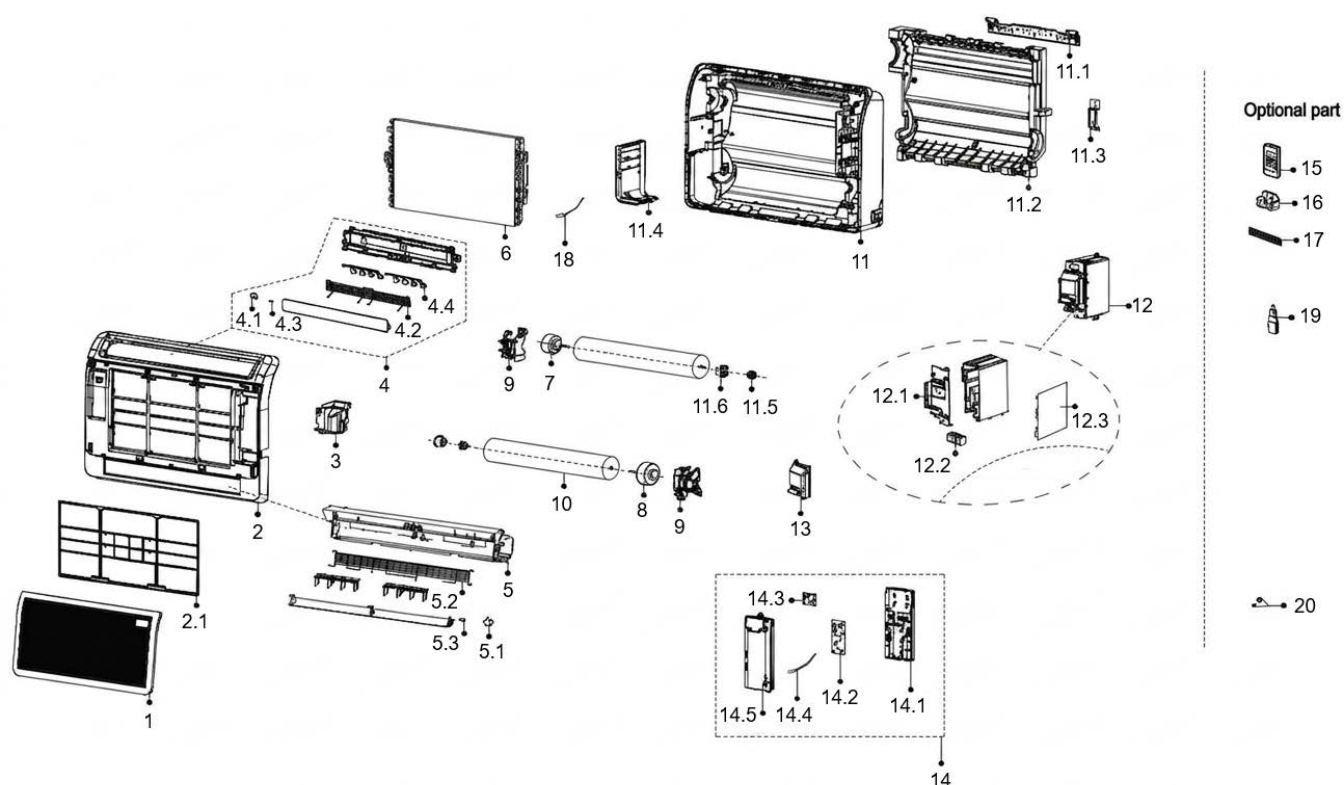
No.	Part No.	Part Name	Qty.	Remark
19	11201007007503	Temperature Sensor	1	
20	12222000018767	Terminal Installation Subassembly	1	
21	17222000048769	Control Box (PCB)	1	
21.1	12122000030601	Control Box Cover	1	
21.2	12122000030602	Electronic Installation Box	1	
22	16022000B78474	Trademark	1	
23	17402001000600	Crankcase Heater	1	
24	17402002000464	Heater	1	
25	12600401000813	Rubber Pad	1	
26	12100509000038	Drain Hose	1	
27	12011600A00350	Accessory Kit	1	Not shown in diagram
28	17401203012697	Compressor Wires	1	

Indoor Unit: FB018GMSILDFHG



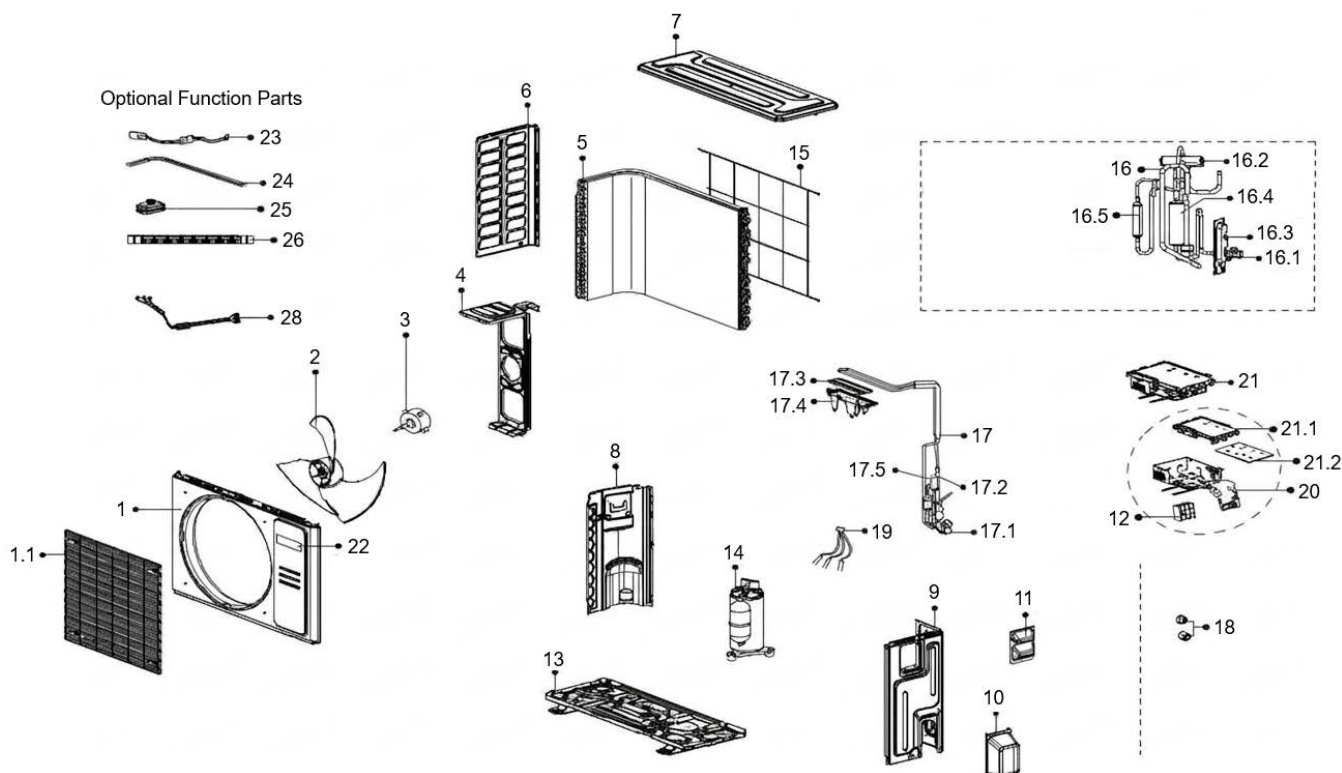
No.	Part No.	Part Name	Qty.	Remark
1	12122600A05384	Front Panel	1	
2	12122600000288	Front Panel Frame	1	
2.1	12122600000311	Air Filter	1	
3	12122600000309	Auxiliary Condensate Drain Pan	1	
4	12122600000306	Lower Air Outlet Frame Assembly	1	
4.1	11002010001486	Step Motor	1	
4.2	12922000002792	Protective Wire	1	
4.3	12122000000344	Electricity Preventing Axis	1	
4.4	12122600000310	Louver	1	
5	12122600000287	Lower Air Outlet Frame Assembly	1	
5.1	11002010001106	Step Motor	1	
5.2	12922000002791	Protective wire	1	
5.3	12122000000344	Electricity Preventing Axis	1	
6	15822600000188	Indoor Coil	1	
7	11002015008751	Fan Motor	1	
8	11002015016692	Fan Motor	1	
9	12122600000290	Fan Motor Cover	2	
10	12100102000876	Blower Wheel	2	
11	12122600000425	Chassis	1	
11.1	12222600000129	Installation Board	1	
11.2	12822600000024	Chassis Foam	1	
11.3	12222600000148	Installation Board	1	
11.4	12122600000289	Mounting Cover Plate	1	
11.5	12622000000131	Pillow Block Bearing	1	
11.6	12122600000405	Bearing Housing Sleeve	1	
12	17222700002838	Control Box	1	
12.1	12122000025067	Control Box Cover	1	

Indoor Unit: FB018GMSILDFHG



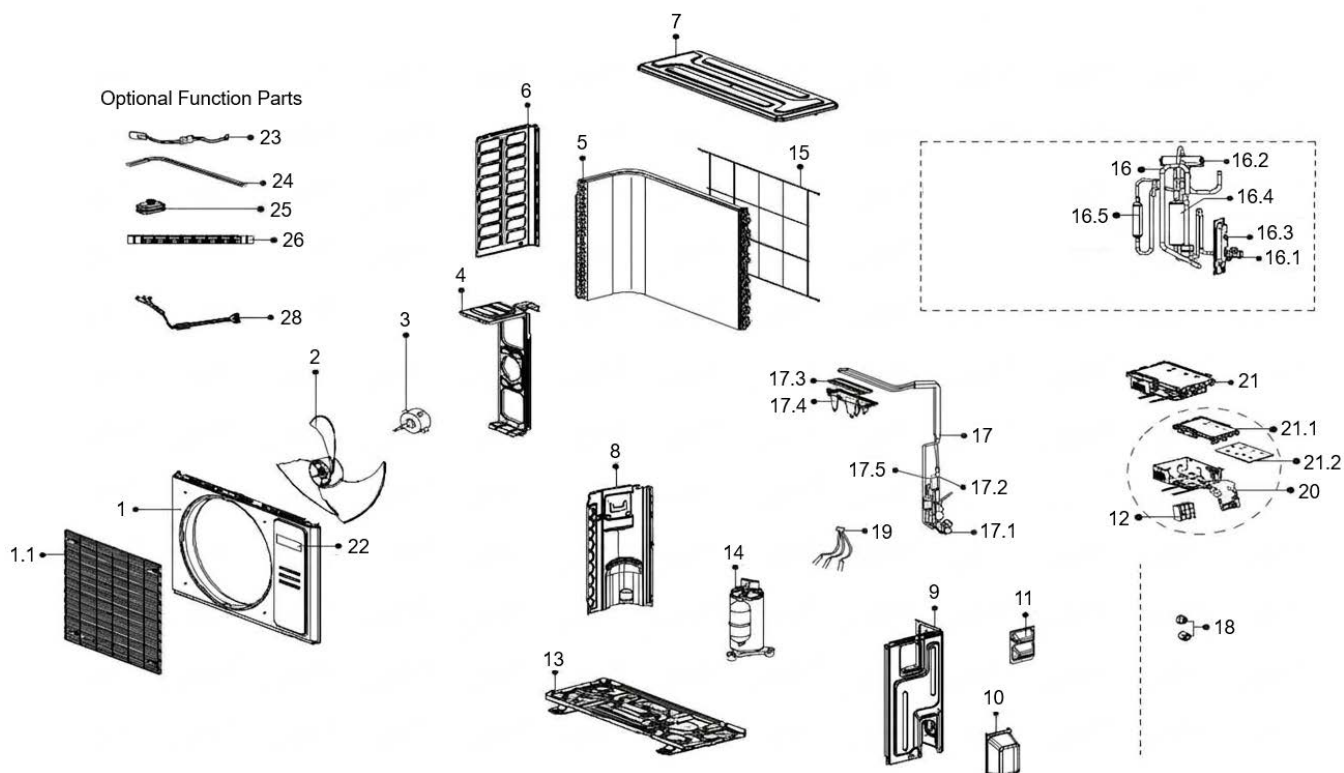
No.	Part No.	Part Name	Qty.	Remark
12.2	17400401000576	Wire Joint	1	
12.3	17122700003543	Printed Circuit Board (PCB)	1	
13	12122000025064	Wiring Cover Board	1	
14	17222700002617	Display Panel	1	
14.1	12122600000305	Display Panel Box	1	
14.2	17122700002878	Display Printed Circuit Board (PCB)	1	
14.3	17120100000394	Humidity Sensor	1	
14.4	11201007003103	Room Temperature Sensor	1	
14.5	12122600000286	Display Panel Subassembly	1	
15	17317000A73728	Remote Control	1	
16	12122000029201	Remote Control Holder	1	
17	12100204000685	Cold Catalyst Air Filter	1	
18	11201007003437	Pipe Temperature Sensor	1	
19	17310900005803	Wi-Fi Module	1	
20	15500406000012	Flare Nut	1	
	15500406000016	Flare Nut	1	
21	11201003000464	Gas Leak Detector	1	

Outdoor Unit: YN018GMSI24RPG



No.	Part No.	Part Name	Qty.	Remark
1	12222000A06282	Front Panel	1	
1.1	12222000A06092	Air Outlet Grille	1	
2	12100105000841	Propeller Fan	1	
3	11002015016275	Fan Motor	1	
4	12222000012371	Fan Motor Mounting Bracket	1	
5	15822000009796	Condensing Unit	1	
6	12222000013472	Left Side Panel	1	
7	12222000013465	Top Cover	1	
8	12222000013245	Partition Board	1	
9	12222000013466	Right Side Panel	1	
10	12122000007150	Water Collector	1	
11	12222000010966	Large Handle	1	
12	17400401006456	Wire Joint	1	
13	12222000014505	Chassis	1	
14	11103020006459	Rotary Inverter Compressor	1	
15	12222000013085	Rear Grille	1	
16	15422000025576	4-Way Valve Assembly	1	
16.1	15500204000667	Gas Valve	1	
16.2	15500216002443	4-Way Valve	1	
16.3	12222200005738	Valve Installation Plate	1	
16.4	15122000025983	Muffler Subassembly	1	
16.5	15122000034906	Muffler Subassembly	1	
17	15422000025358	Liquid Valve Assembly	1	
17.1	15500208000028	High Pressure Switch (HPS)	1	
17.2	15500210001848	Throttle Valve	1	
17.3	11203803001176	Radiator	1	

Outdoor Unit: YN018GMSI24RPG



No.	Part No.	Part Name	Qty.	Remark
17.4	12122000011478	U-Typed Support with Copper Pipe	1	
17.5	15500213002089	Electronic Expansion Valve (EEV)	1	
18	15500406000016	Flare Nut	1	
	15500406000012	Flare Nut	1	
19	11201011001047	Temperature Sensor	1	
20	17222000031639	Terminal Board	1	
21	17222000048700	Control Box (PCB)	1	
21.1	12122000008999	Electronic Installation Box	1	
21.2	17122000070055	Printed Circuit Board (PCB)	1	
22	16022000B78474	Trademark	1	
23	17402001001499	Crankcase Heater	1	
24	17402002000544	Heater	1	
25	12600401000813	Rubber Pad	1	
26	12100509000038	Drain Hose	1	
27	12011600A00350	Accessory Kit	1	Not shown in diagram
28	17401203012697	Compressor Wires	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.

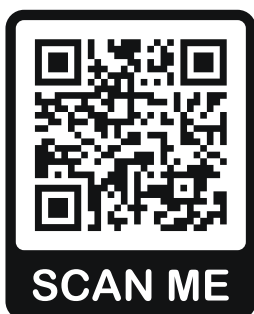


is a registered trademark of Parker Davis HVAC International, LLC.

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