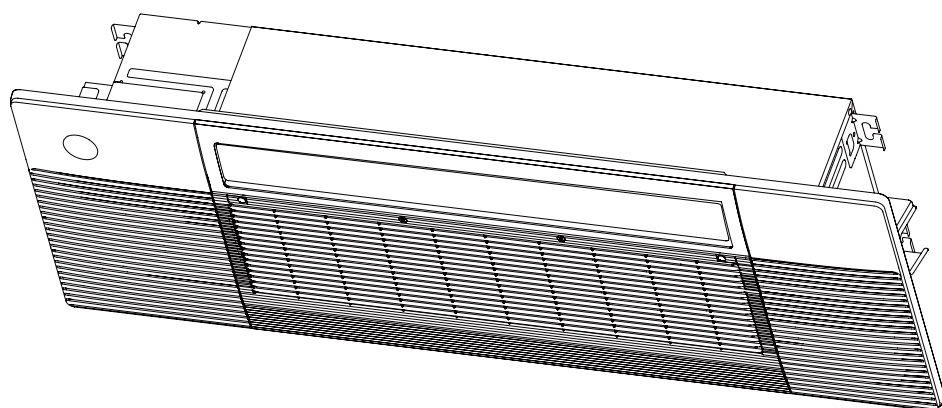


PIONEER®

CYK-24 Inverter Series

For 9,000-18,000 BTU/hr Systems

Quantum Ultra (R-454B) - CK 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.

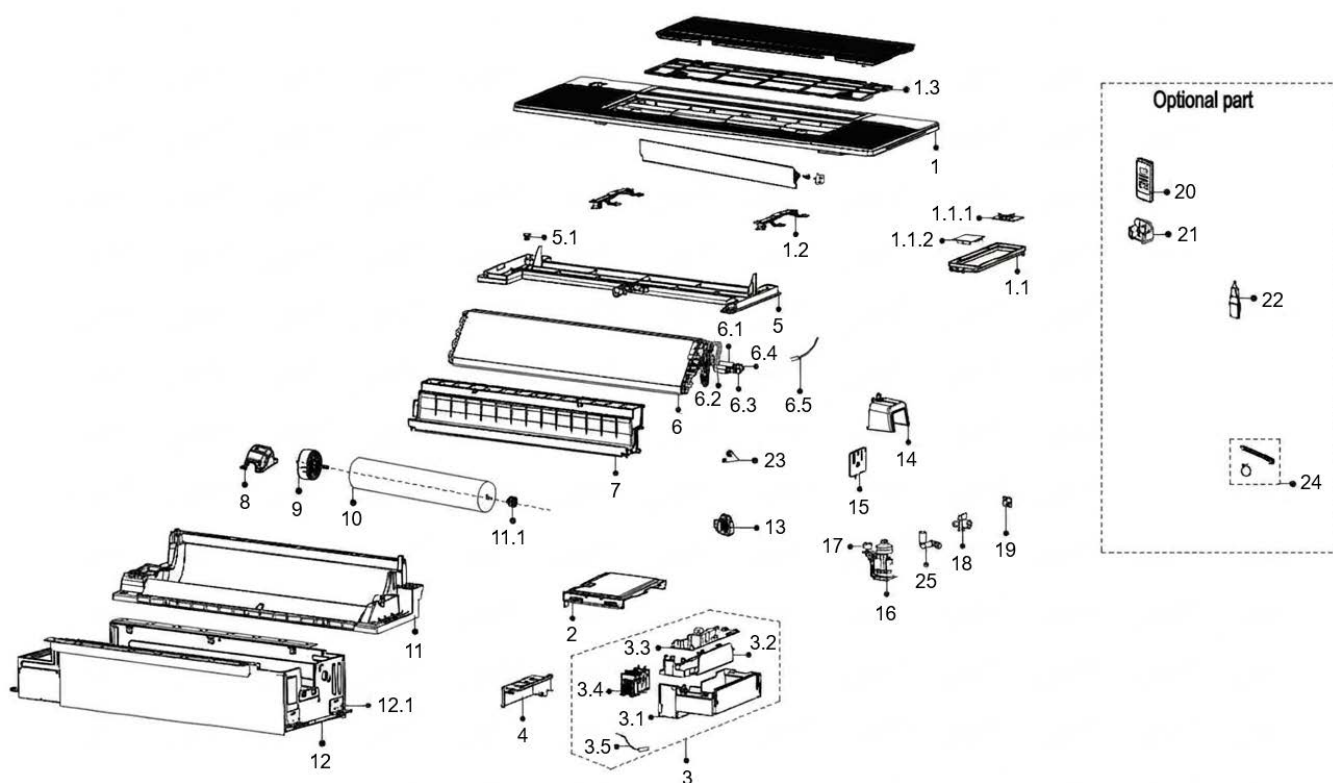
Model Numbers

Note

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

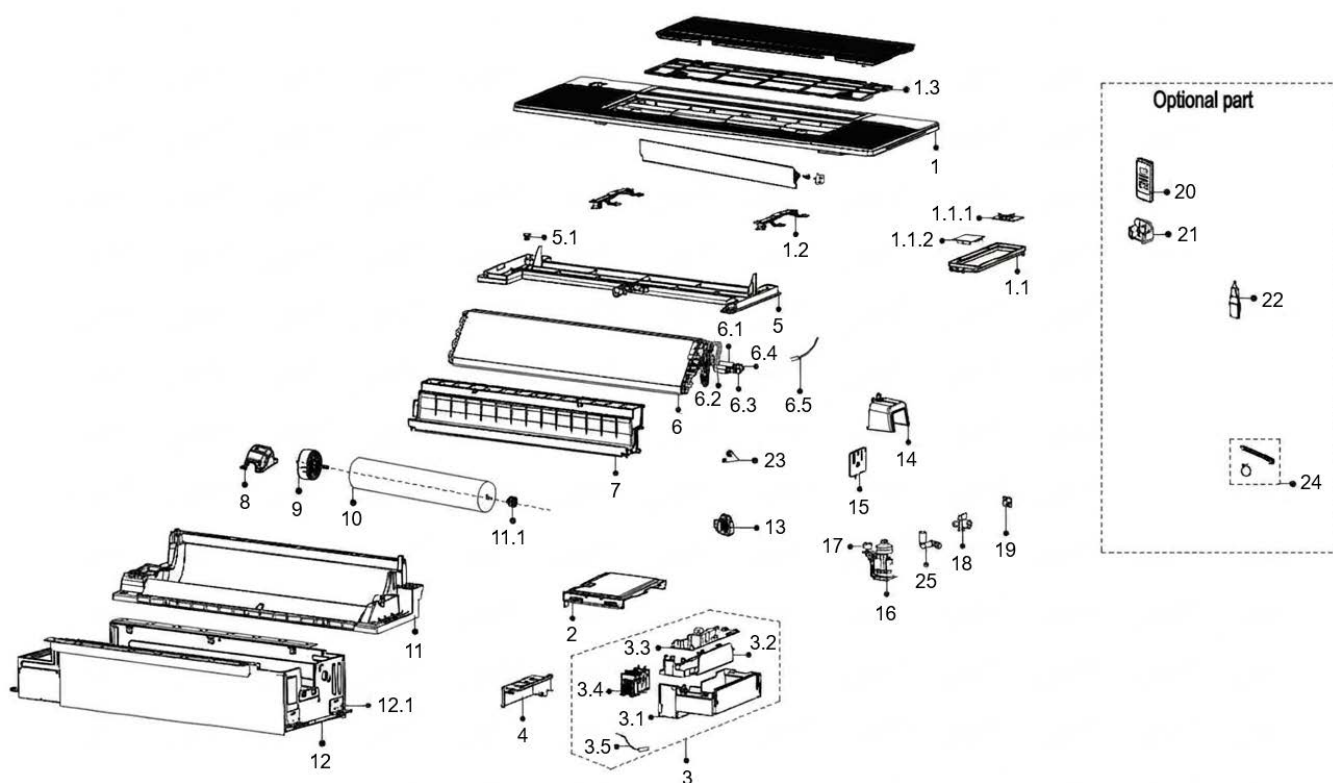
Model	Full System	Indoor Unit	Outdoor Unit
9K	CYK009GMSI24RL	CK009GMSILDFHG	YN009GMSI24RPG
12K	CYK012GMSI24RL	CK012GMSILDFHG	YN012GMSI24RPG
18K	CYK018GMSI24RL	CK018GMSILDFHG	YN018GMSI24RPG

Indoor Unit: CK009GMSILDFHG



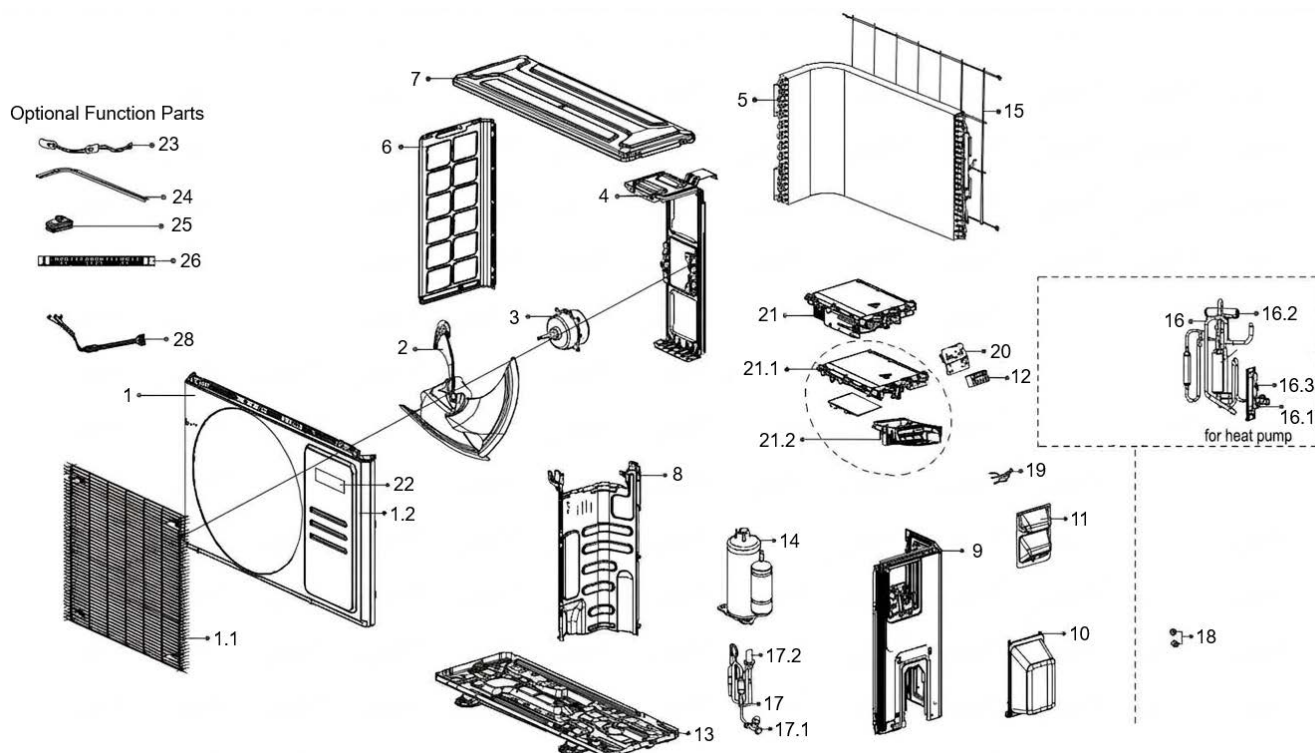
No.	Part No.	Part Name	Qty.	Remark
1	12122500A38271	Front Panel	1	
1.1	17222500A04797	Display Panel	1	
1.1.1	17122500004112	Display Panel Subassembly	1	
1.1.2	17122500005091	Adapter Plate Subassembly	1	
1.2	12222500002492	Locked Button Board	1	
1.3	12122500002707	Air Filter	1	
2	12222500002474	Control Box Cover	1	
3	17222500005593	Control Box Assembly	1	
3.1	12222500002452	Control Box Subassembly	1	
3.2	12122500002567	Control Box Subassembly	1	
3.3	17122500007503	Printed Circuit Board (PCB)	1	
3.4	17400519000448	Power Switch	1	
3.5	11201007003448	Room Temperature Sensor	1	
4	12222500002412	Electrical Cover	1	
5	12122500002588	Condensate Drain Pan	1	
5.1	12600801000903	Condensate Trap	1	
6	15822500002839	Indoor Coil	1	
6.1	15122500003976	Suction Line	1	
6.2	15122500004076	Refrigerant Distributor	1	
6.3	15500209000001	Pin Valve	1	
6.4	15500404000002	Pipe Nut	1	
6.5	11201007003437	Pipe Temperature Sensor	1	
7	12122500002587	Fan Shroud	1	
8	12122000031622	Fan Motor Mount	1	
9	11002015016793	Fan Motor	1	
10	12100102000936	Blower Wheel	1	
11	12122500002607	Ductwork	1	

Indoor Unit: CK009GMSILDFHG



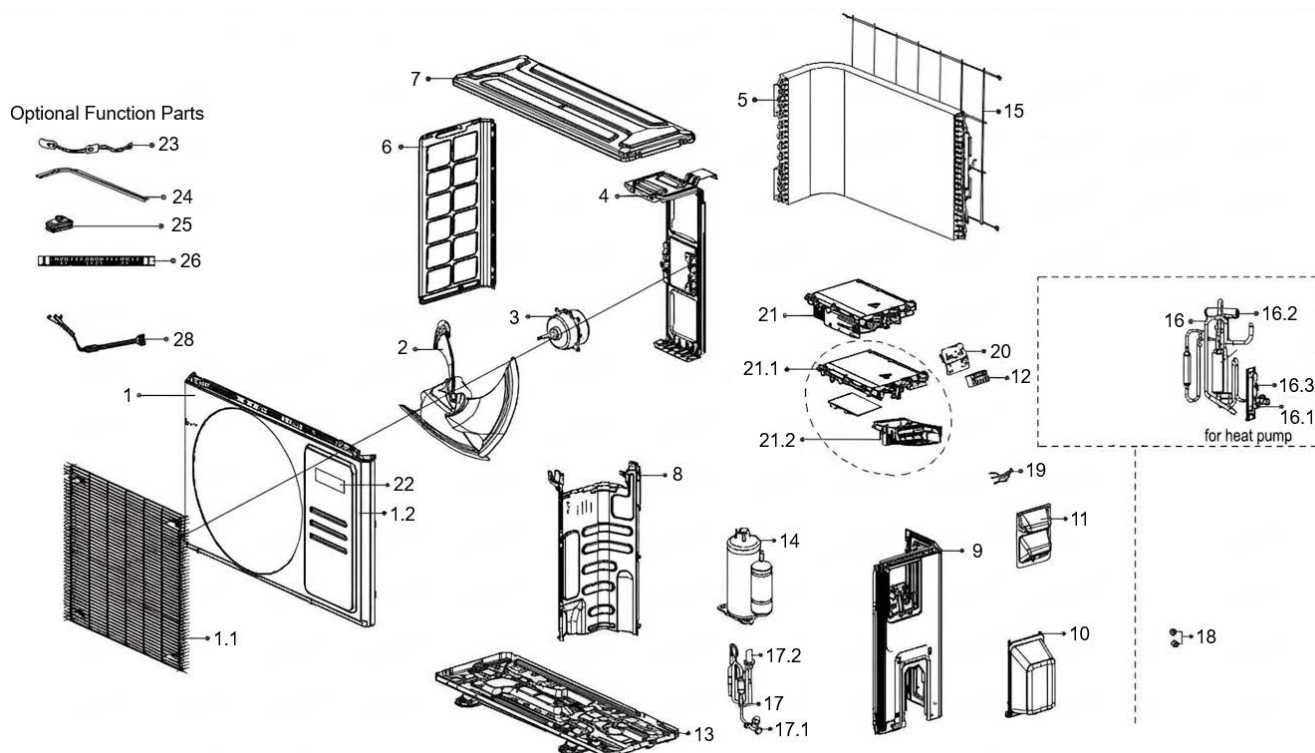
No.	Part No.	Part Name	Qty.	Remark
11.1	12622000000131	Pillow Block Bearing	1	
12	12222500002413	Chassis	1	
12.1	12223000012927	Hook	1	
13	11201003000344	Gas Leak Detector	1	
14	12122500002647	Plastic Parts	1	
15	12223000015688	Support Plate	1	
16	17400802003633	Drain Pump	1	
17	17400511001344	Water Level Switch	1	
18	12100510000021	Drain Hose	1	
19	17122000058071	Humidity Sensor	1	
20	17317000A73479	Remote Control	1	
21	12122000029201	Remote Control Holder	1	
22	17310900005803	Wi-Fi Module	1	
23	15500406000016	Flare Nut	1	
	15500406000010	Flare Nut	1	
24	12011600A00310	Condensate Drain Kit	1	
25	12600501002008	Condensate Drain Line	1	

Outdoor Unit: YN009GMSI24RPG



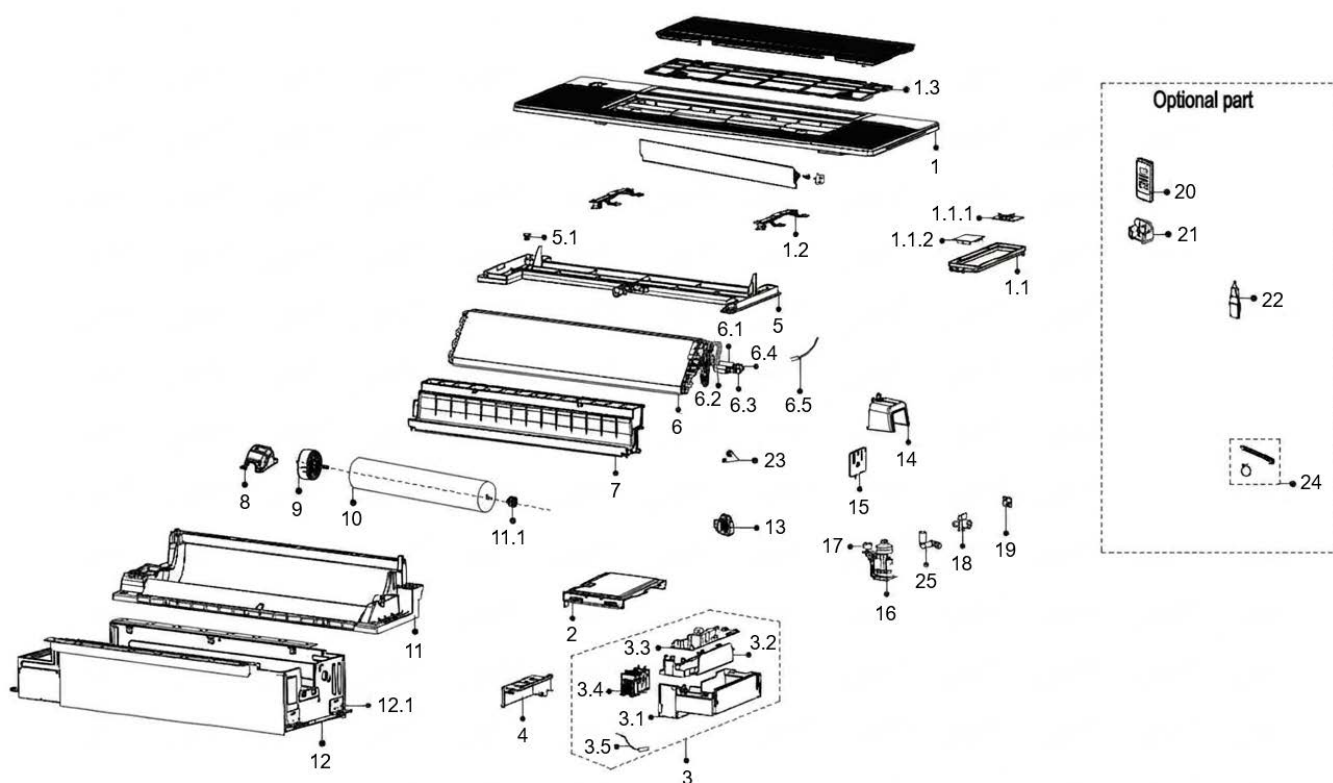
No.	Part No.	Part Name	Qty.	Remark
1	12222000A06317	Front Panel Assembly	1	
1.1	12222000A06091	Air Outlet Grille	1	
1.2	12222000A06318	Front Panel	1	
2	12100105000961	Propeller Fan	1	
3	11002015016238	Fan Motor	1	
4	12222000013233	Fan Motor Mounting Bracket	1	
5	15822000014034	Condensing Unit	1	
6	12222000013238	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	12222000005738	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: YN009GMSI24RPG



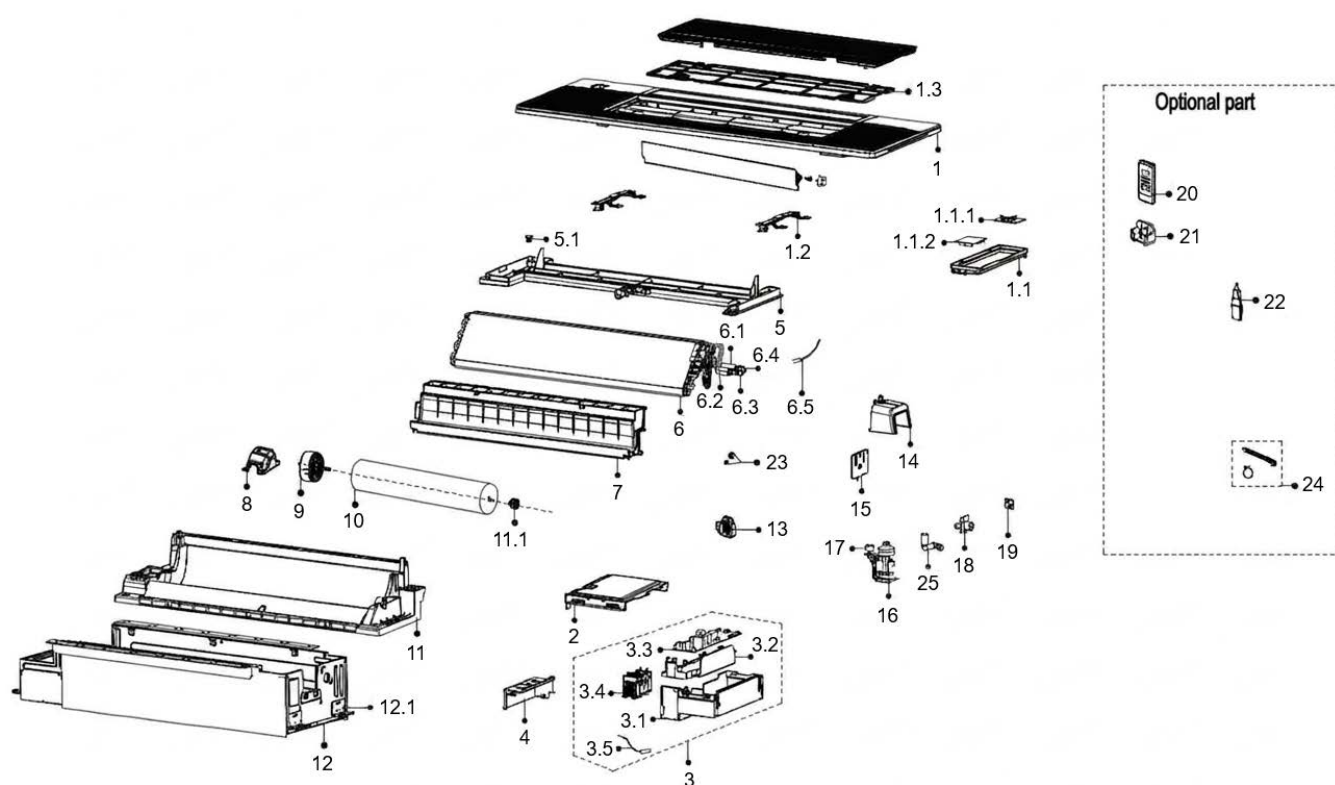
No.	Part No.	Part Name	Qty.	Remark
19	11201007007503	Temperature Sensor	1	
20	12222000018767	Terminal Installation Subassembly	1	
21	17222000048757	Control Box (PCB)	1	
21.1	12122000030601	Control Box Cover	1	
21.2	12122000030602	Electronic Installation Box	1	
22	16022000B78474	Trademark	1	
23	17402001000600	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: CK012GMSILDFHG



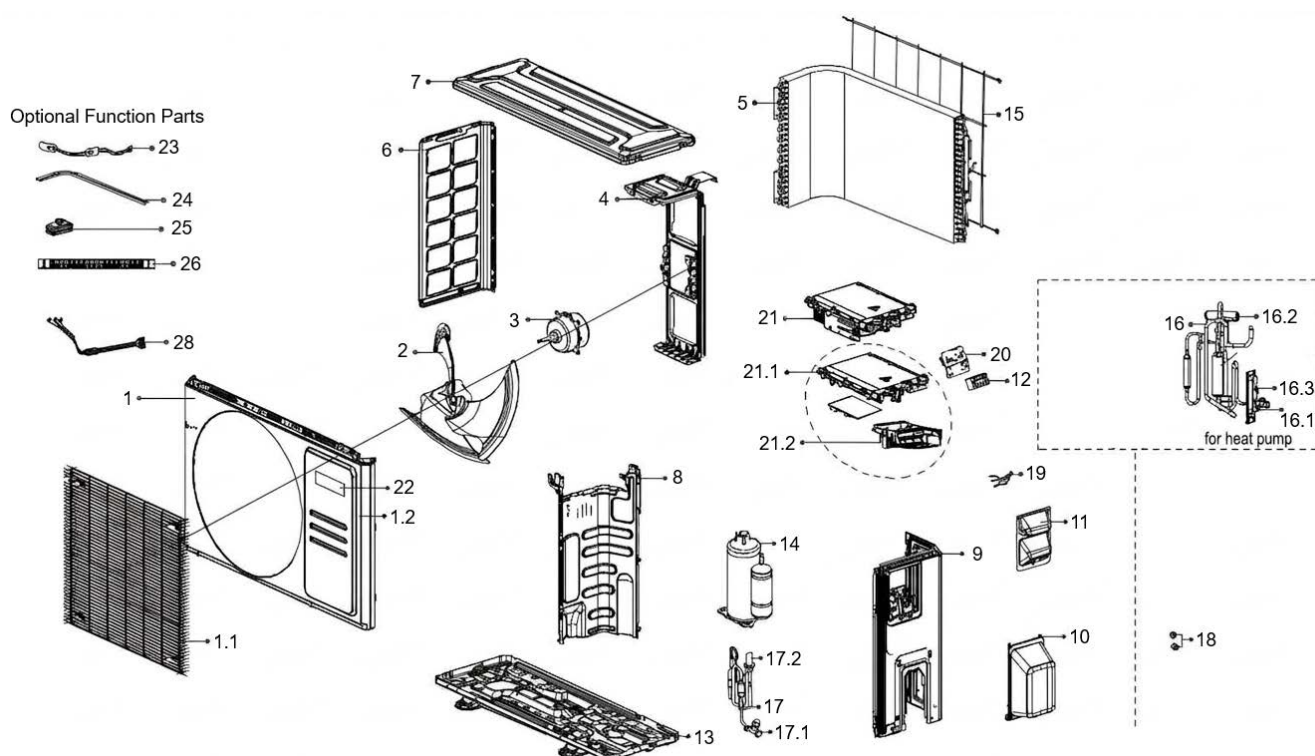
No.	Part No.	Part Name	Qty.	Remark
1	12122500A38271	Front Panel	1	
1.1	17222500A04797	Display Panel	1	
1.1.1	17122500004112	Display Panel Subassembly	1	
1.1.2	17122500005091	Adapter Plate Subassembly	1	
1.2	12222500002492	Locked Button Board	1	
1.3	12122500002707	Air Filter	1	
2	12222500002474	Control Box Cover	1	
3	17222500005590	Control Box Assembly	1	
3.1	12222500002452	Control Box Subassembly	1	
3.2	12122500002567	Control Box Subassembly	1	
3.3	17122500007495	Printed Circuit Board (PCB)	1	
3.4	17400519000448	Power Switch	1	
3.5	11201007003448	Room Temperature Sensor	1	
4	12222500002412	Electrical Cover	1	
5	12122500002588	Condensate Drain Pan	1	
5.1	12600801000903	Condensate Trap	1	
6	15822500002839	Indoor Coil	1	
6.1	15122500003976	Suction Line	1	
6.2	15122500004076	Refrigerant Distributor	1	
6.3	15500209000001	Pin Valve	1	
6.4	15500404000002	Pipe Nut	1	
6.5	11201007003437	Pipe Temperature Sensor	1	
7	12122500002587	Fan Shroud	1	
8	12122000031622	Fan Motor Mount	1	
9	11002015016793	Fan Motor	1	
10	12100102000936	Blower Wheel	1	
11	12122500002607	Ductwork	1	

Indoor Unit: CK012GMSILDFHG



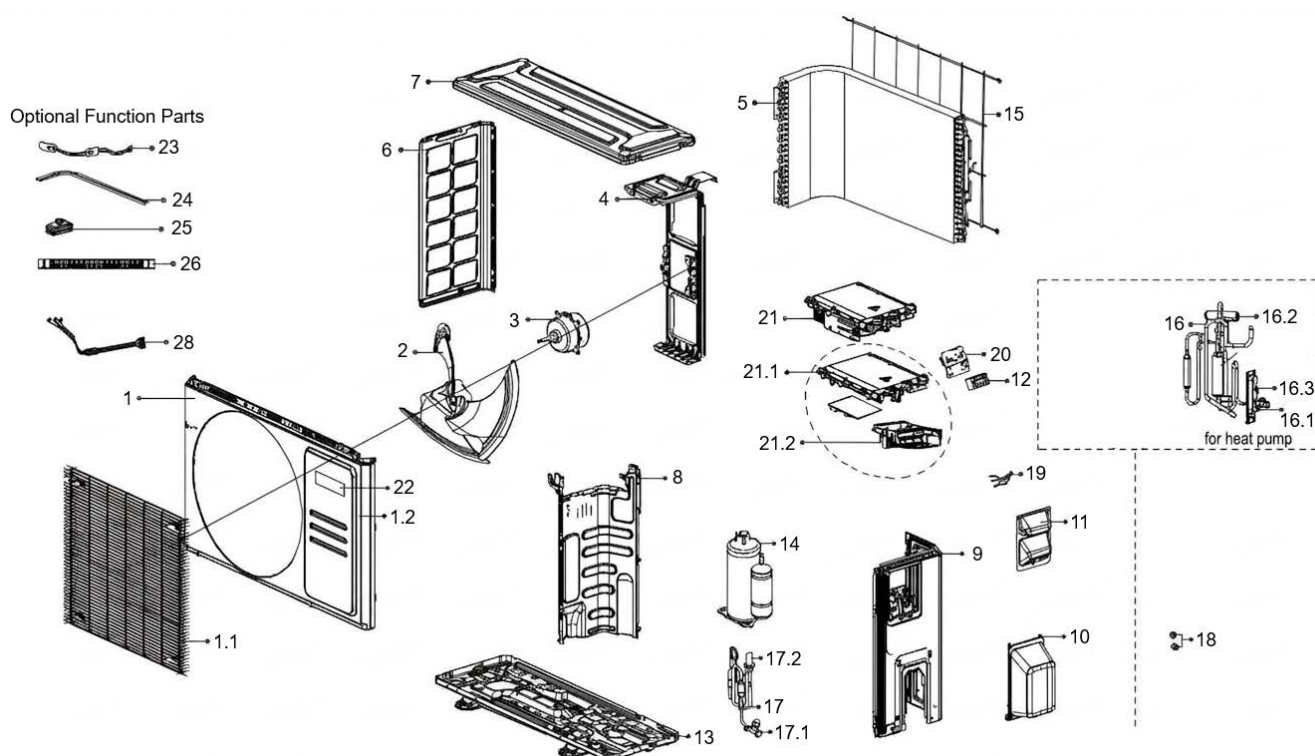
No.	Part No.	Part Name	Qty.	Remark
11.1	12622000000131	Pillow Block Bearing	1	
12	12222500002413	Chassis	1	
12.1	12223000012927	Hook	1	
13	11201003000344	Gas Leak Detector	1	
14	12122500002647	Plastic Parts	1	
15	12223000015688	Support Plate	1	
16	17400802003633	Drain Pump	1	
17	17400511001344	Water Level Switch	1	
18	12100510000021	Drain Hose	1	
19	17122000058071	Humidity Sensor	1	
20	17317000A73479	Remote Control	1	
21	12122000029201	Remote Control Holder	1	
22	17310900005803	Wi-Fi Module	1	
23	15500406000016	Flare Nut	1	
	15500406000010	Flare Nut	1	
24	12011600A00310	Condensate Drain Kit	1	
25	12600501002008	Condensate Drain Line	1	

Outdoor Unit: YN012GMSI24RPG



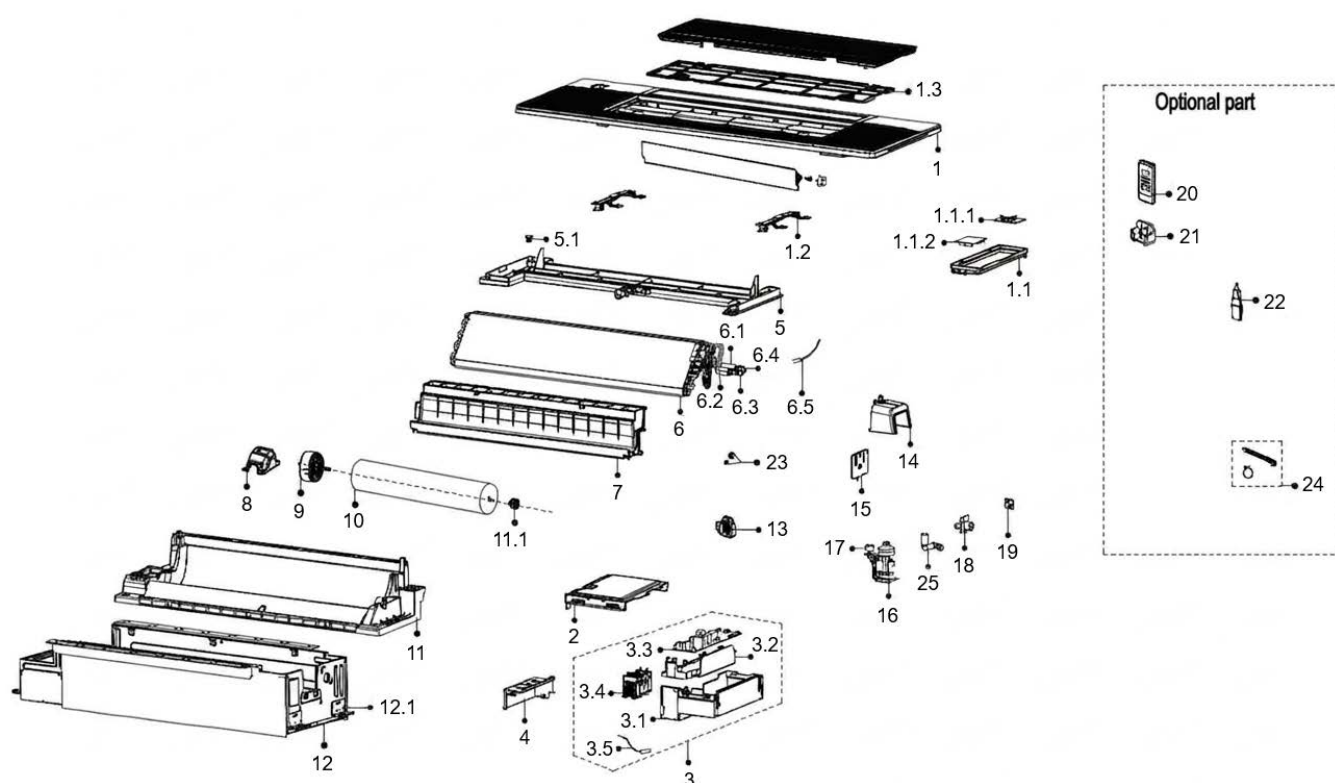
No.	Part No.	Part Name	Qty.	Remark
1	12222000A06317	Front Panel Assembly	1	
1.1	12222000A06091	Air Outlet Grille	1	
1.2	12222000A06318	Front Panel	1	
2	12100105000961	Propeller Fan	1	
3	11002015016238	Fan Motor	1	
4	12222000013233	Fan Motor Mounting Bracket	1	
5	15822000014034	Condensing Unit	1	
6	12222000013238	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	12222000005738	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



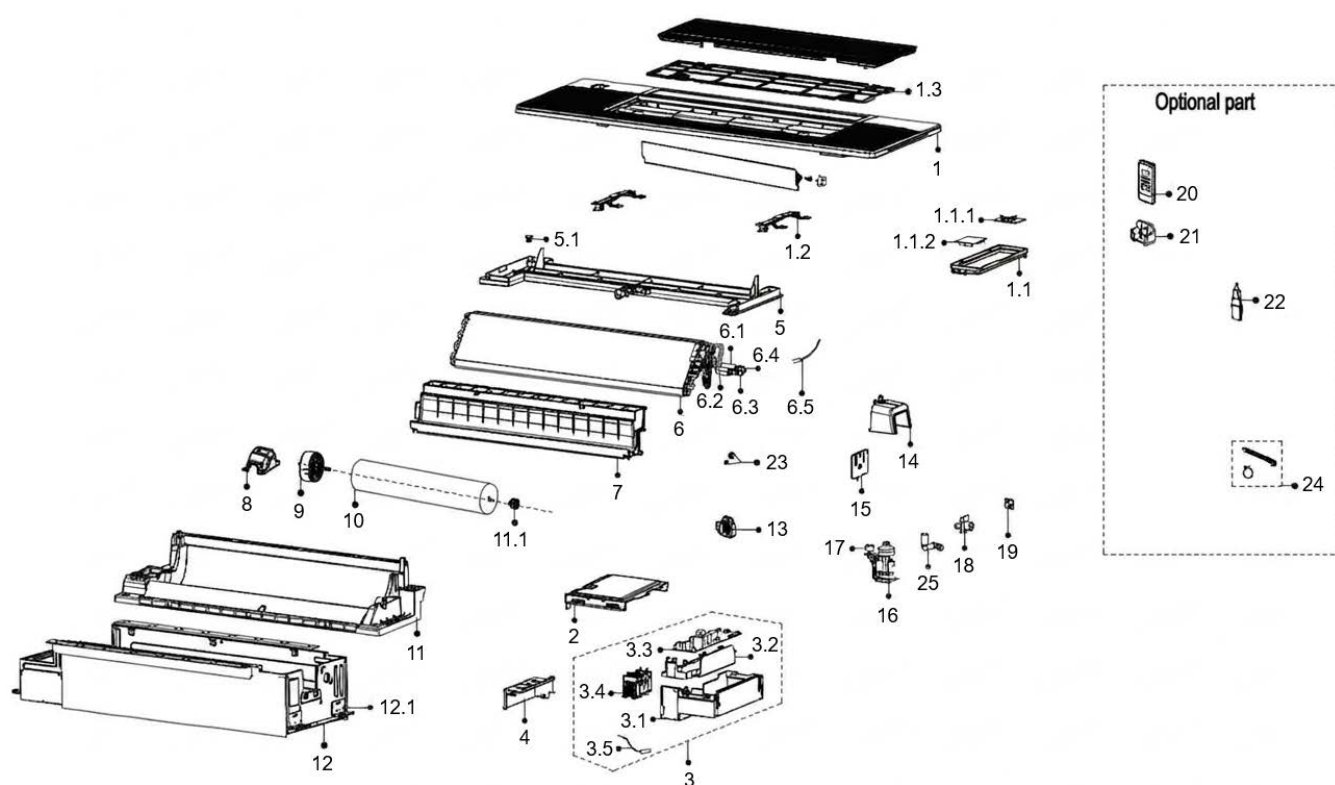
No.	Part No.	Part Name	Qty.	Remark
19	11201007007503	Temperature Sensor	1	
20	12222000018767	Terminal Installation Subassembly	1	
21	17222000048769	Control Box (PCB)	1	
21.1	12122000030601	Control Box Cover	1	
21.2	12122000030602	Electronic Installation Box	1	
22	16022000B78474	Trademark	1	
23	17402001000600	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: CK018GMSILDFHG



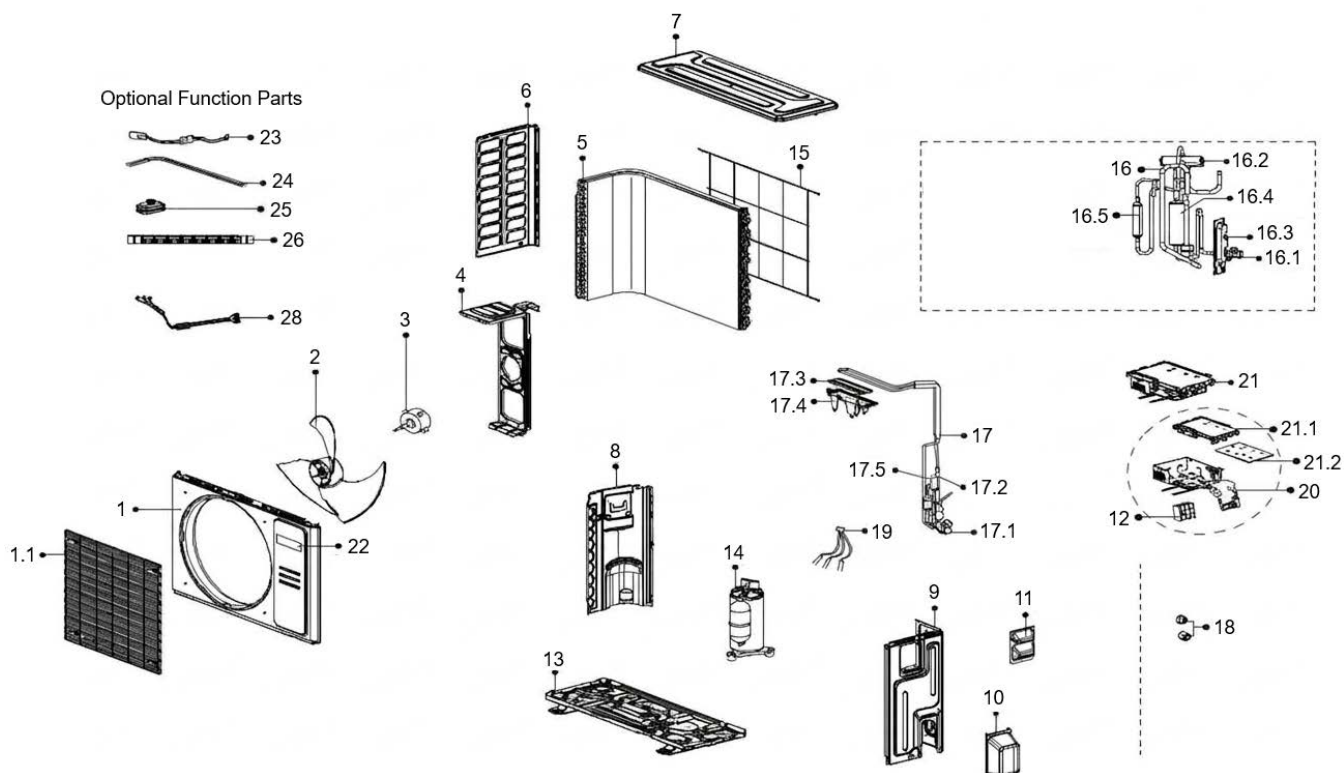
No.	Part No.	Part Name	Qty.	Remark
1	12122500A38271	Front Panel	1	
1.1	17222500A04797	Display Panel	1	
1.1.1	17122500004112	Display Panel Subassembly	1	
1.1.2	17122500005091	Adapter Plate Subassembly	1	
1.2	12222500002492	Locked Button Board	1	
1.3	12122500002707	Air Filter	1	
2	12222500002474	Control Box Cover	1	
3	17222500005588	Control Box Assembly	1	
3.1	12222500002452	Control Box Subassembly	1	
3.2	12122500002567	Control Box Subassembly	1	
3.3	17122500007499	Printed Circuit Board (PCB)	1	
3.4	17400519000448	Power Switch	1	
3.5	11201007003448	Room Temperature Sensor	1	
4	12222500002412	Electrical Cover	1	
5	12122500002588	Condensate Drain Pan	1	
5.1	12600801000903	Condensate Trap	1	
6	15822500002819	Indoor Coil	1	
6.1	15122500003576	Suction Line	1	
6.2	15122500004076	Refrigerant Distributor	1	
6.3	15500209000001	Pin Valve	1	
6.4	15500404000009	Pipe Nut	1	
6.5	11201007003437	Pipe Temperature Sensor	1	
7	12122500002587	Fan Shroud	1	
8	12122000031622	Fan Motor Mount	1	
9	11002015016793	Fan Motor	1	
10	12100102000936	Blower Wheel	1	
11	12122500002607	Ductwork	1	

Indoor Unit: CK018GMSILDFHG



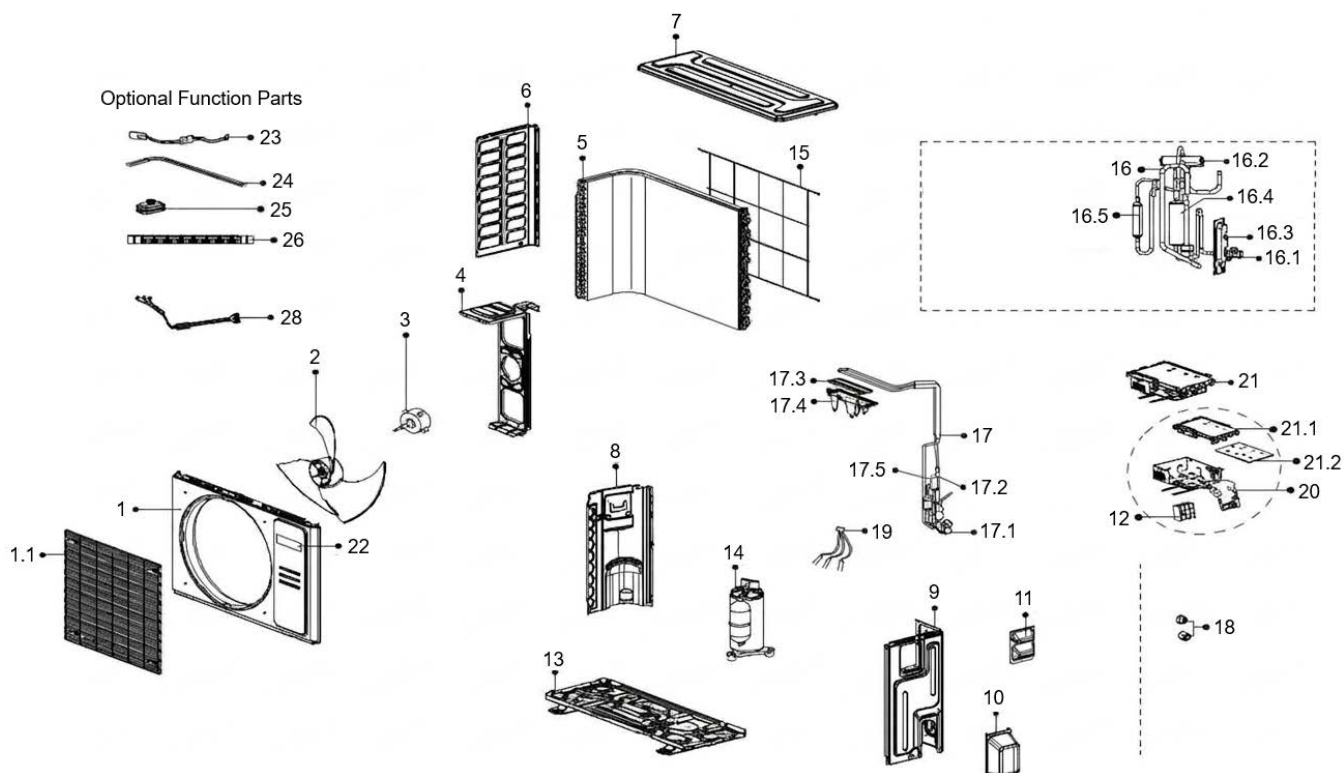
No.	Part No.	Part Name	Qty.	Remark
11.1	12622000000131	Pillow Block Bearing	1	
12	12222500002413	Chassis	1	
12.1	12223000012927	Hook	1	
13	11201003000344	Gas Leak Detector	1	
14	12122500002647	Plastic Parts	1	
15	12223000015688	Support Plate	1	
16	17400802003633	Drain Pump	1	
17	17400511001344	Water Level Switch	1	
18	12100510000021	Drain Hose	1	
19	17122000058071	Humidity Sensor	1	
20	17317000A73479	Remote Control	1	
21	12122000029201	Remote Control Holder	1	
22	17310900005803	Wi-Fi Module	1	
23	15500406000016	Flare Nut	1	
	15500406000012	Flare Nut	1	
24	12011600A00310	Condensate Drain Kit	1	
25	12600501002008	Condensate Drain Line	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.

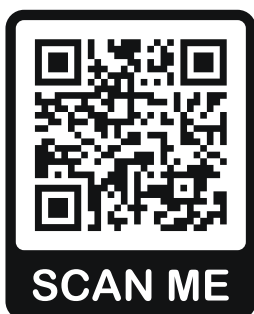


is a registered trademark of Parker Davis HVAC International, LLC.

Parker Davis HVAC International
7290 NW 77 Court, Miami, FL 33166 - USA
Tel : (305) 513-4488
Fax : (305) 513-4499
E-mail : info@pdhvac.com
Website: www.pdhvac.com

Pioneer product line, parts, and supplies are
available online for convenient ordering at:
www.highseer.com
www.pioneerminisplit.com

Scan the below code to visit our support page
where you can find more installation materials:



Copyright © Parker Davis HVAC International, LLC. All rights reserved.
