

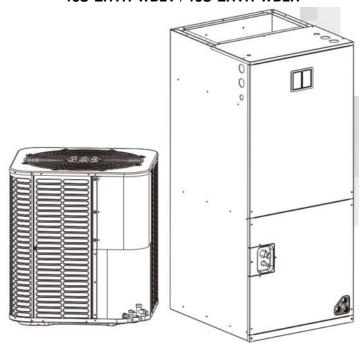
KEPLERX 18SEER Condensing and Air Handler Instruction Manual

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Troubleshooting Manual Model No.: 18S-EHVC*WD2V / 18S-EHVC*WD2H 18S-EHVH*WD2V / 18S-EHVH*WD2H



Thank you very much for purchasing our air conditioner. Please read this owen's manual carefully before using your air conditioner.

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Troubleshooting

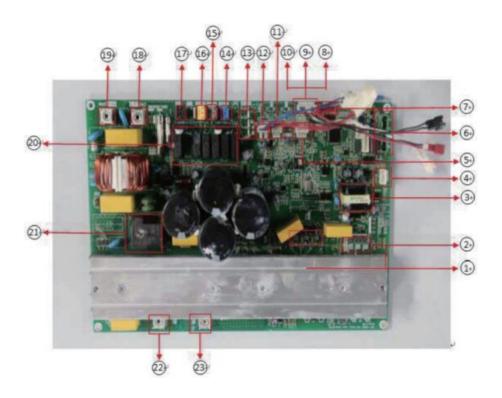
THANK YOU Congratulations on your purchase and welcome to the **KEPLERX** Family. Your new **KEPLERX** Air Conditioner combines high-efficiency operation with portable convenience. By following the operating and care instructions in this manual, your air conditioner will provide you with many years of reliable service. Please visit our website www.keplerx.net For any questions or Technical Support, please contact us by mail info@keplerx.net or by phone 1-866-466-3451.

TROUBLESHOOTING

Parameter point check table

1. Top discharge outdoor unit

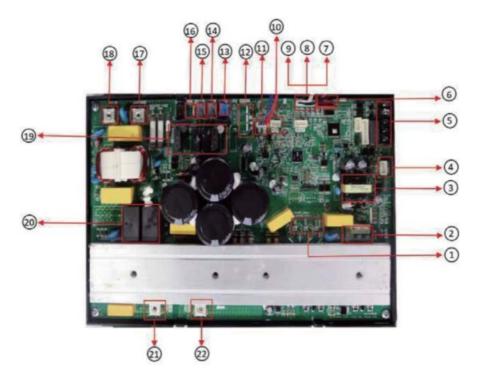
For 18S-EHV*24WD2V, 18S-EHV*36WD2V



Function description for the corresponding position:

No.	Content	No.	Content
1	Compressor wiring terminal	12	High/Low pressure switch ports
2	DC fan motor wiring terminal	13	AC fan motor wiring terminal
3	Transformer	14	Four-way valve control port
4	Outdoor display board wiring terminal	15	Crankcase Heating zone control terminal
5	Reserved	16	Chassis Electric Heater control terminal
6	24V wire controller interface	17	Solenoid valve2 control terminal
7	EXV drive port	18	Power supply connecting terminal
8	Exhaust temperature sensor port(T5)	19	Power supply connecting terminal
9	Outdoor ambient temperature sensor port(T4)	20/21	Relay
10	Condenser temperature sensor port(T3)	22	Inductor wiring terminal 1
11	Pressure sensors ports	23	Inductor wiring terminal 2

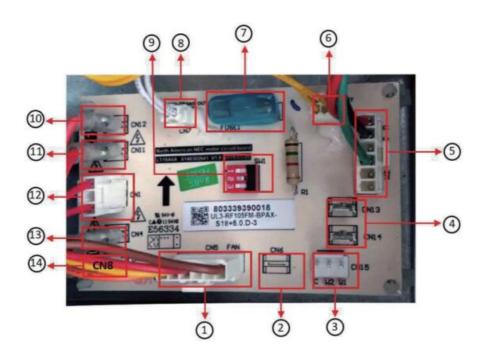
For 18S-EHV*48WD2V, 18S-EHV*60WD2V



Function description for the corresponding position:

No.	Content	No.	Content
1	Compressor wiring terminal	12	AC fan motor wiring terminal
2	DC fan motor wiring terminal	13	Four-way valve control port
3	Transformer	14	Crankcase Heating zone control terminal
4	Outdoor display board wiring terminal	15	Chassis Electric Heater control terminal
5	24V wire controller interface	16	Solenoid valve control terminal
6	EXV drive port	17	Power supply connecting terminal
7	Exhaust temperature sensor port(T5)	18	Power supply connecting terminal
8	Outdoor ambient temperature sensor port(T4)	19	Relay
9	Condenser temperature sensor port(T3)	20	Relay
10	Pressure sensors ports	21	Inductor wiring terminal 1
11	High/Low pressure switch ports	22	Inductor wiring terminal 2

2. Air handing unitFor 18S-EHV*24WD2H, 18S-EHV*36WD2H 18S-EHV*48WD2H 18S-EHV*60WD2H



Function description for the corresponding position:

No.	Content	No.	Content
1	DC fan motor wiring terminal	8	Output port of transformer(11V)
2	Reserved	9	Dip switch to adjust fan speed
3	Chassis Electric Heater control terminal	10	Power supply connecting terminal(L1)
4	Reserved	11	Fan power cord input port(L1)
5	24V wire controller interface	12	Input power cord transformer port
6	Output port of transformer(24V)	13	Power supply connecting terminal(L2)
7	Fuse	14	Fan power cord input port(L2)

Error code

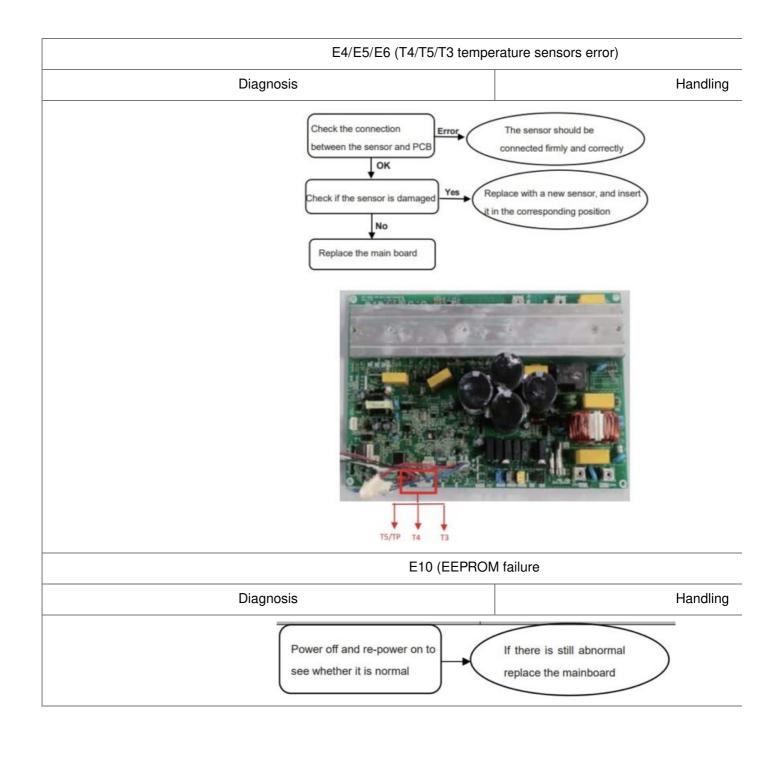
(1) The error codes for outdoor unit as follows:

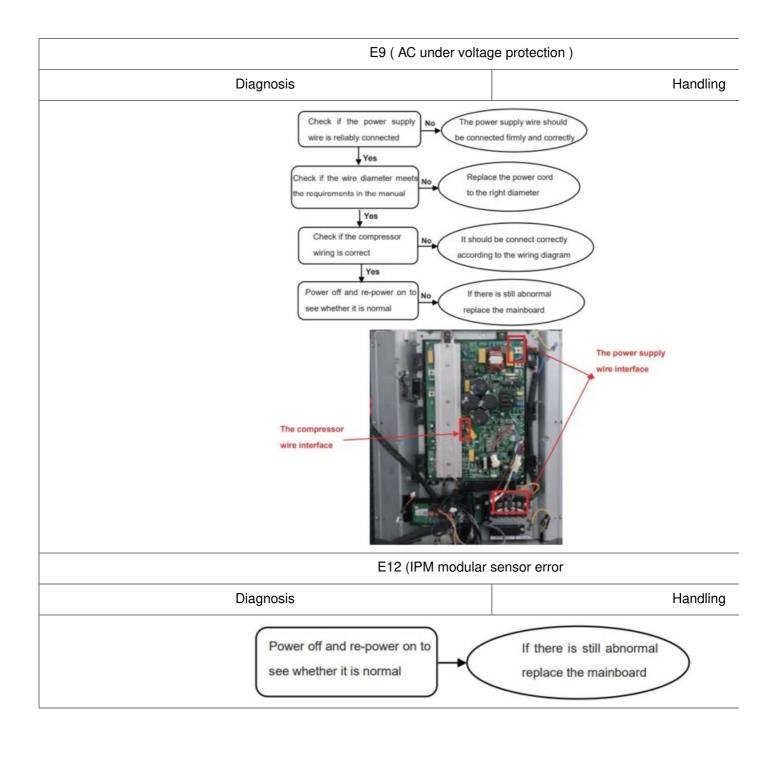
Definitions of malfunction	Error code
T4 Outdoor ambient temperature sensor error	E4
T5 Discharge temperature sensor error	E5
T3 Condenser temperature sensor error	E6
AC under voltage protection	E9
EEPROM error	E10
IPM modular sensor error	E12
HLP Pressure sensor error	E13
T3 or T5 sensor disconnect error	E14
High pressure switch error	E15
Communication error of main chip and IPM chip	Н0
T3 sensor high temperature error(In cooling mode, 20 times P5 error within 180mins)	H1
High pressure switch error(20 times P1 error within 150 mins)	H2
High pressure abnormal in heating mode (20 times P13 error within 180 mins)	H3
IPM modular high temp error (20 times P8 within 120 mins)	H4

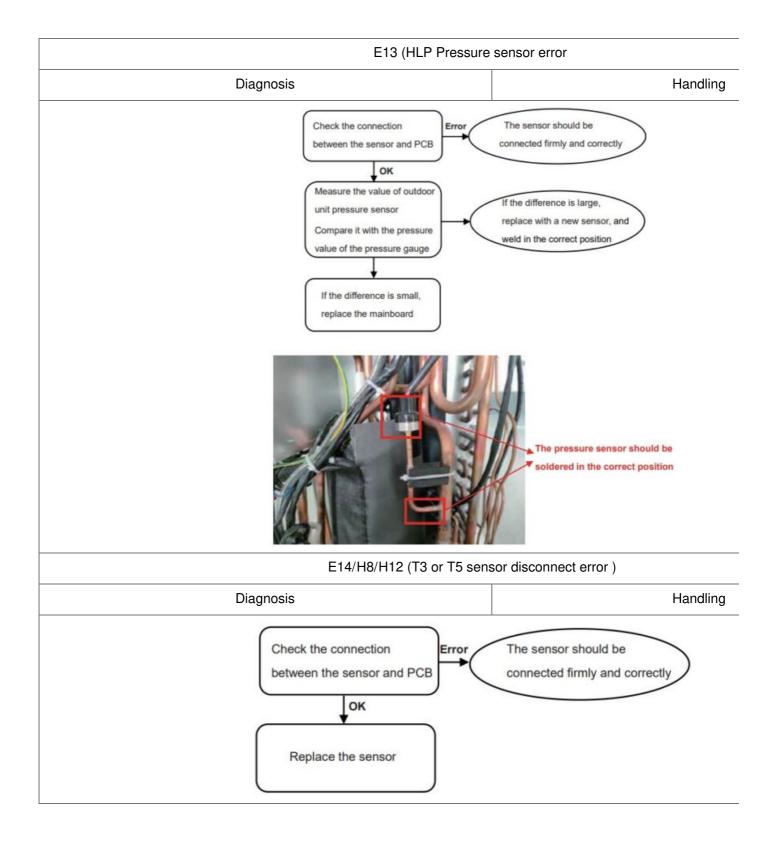
Low pressure error (20 times P2 within 100 mins)	H5
Discharge temperature abnormal error(20 times P4 within 100 mins)	H6
Wet operation error (20 times P12 within 200 mins)	H7
T3 condenser sensor disconnect error (20 times E14 within 100 mins)	H8
Discharge temp sensor disconnect error(20 times E14 within 180 mins)	H12
High pressure protection	P1
Low pressure protection	P2
DC over current protection	P3
T5 Discharge temperature abnormal error	P4
T3 Condenser sensor high temp protection(In cooling mode)	P5
IPM module protection	P6
IPM high temperature protection (Ft)M high temperature protection (Ft)	P8
DC fan motor error	P9
Wet operation error	P12
High pressure abnormal error(In heating mode)	P13

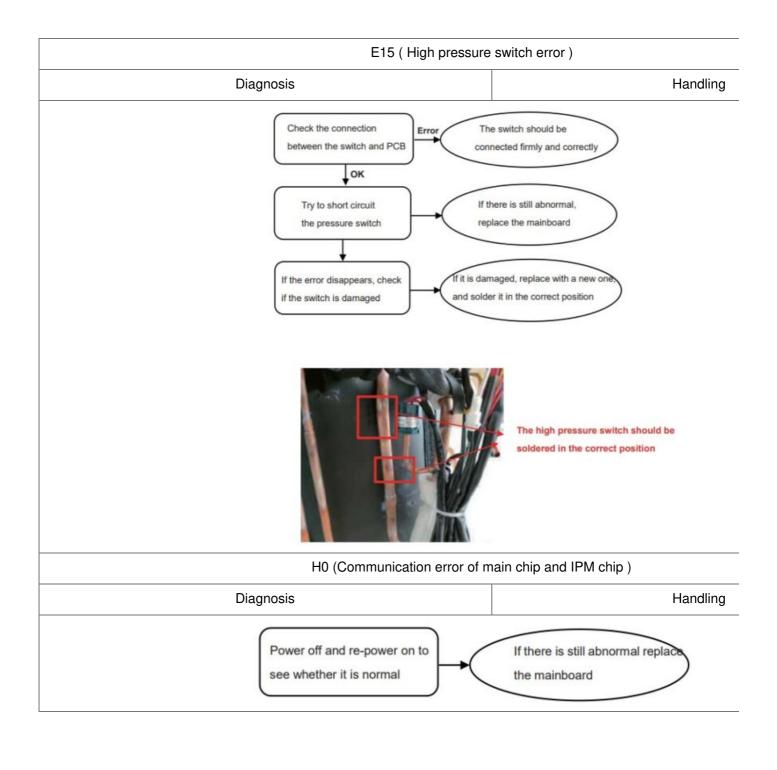
High compression ratio protection	P14
Low compression ratio protection	P15
DC cable bus low voltage protection	L1
DC cable bus high voltage protection	L2
MCE fault / sync / closed loop	L4
Zero speed protection	L5
Compressor phase loss protection ratio protection	L7
Compressor stalls	L8
Frequency limitation or decline by high pressure	L9
Frequency limitation by voltage	LA
Frequency limitation by condenser temp.	LC
Frequency limitation by discharge temp	LD
Frequency limitation by IPM modular high temp	LE
Frequency limitation by current	LF
Oil return	d0
Defrost	dF
Force cooling	dH

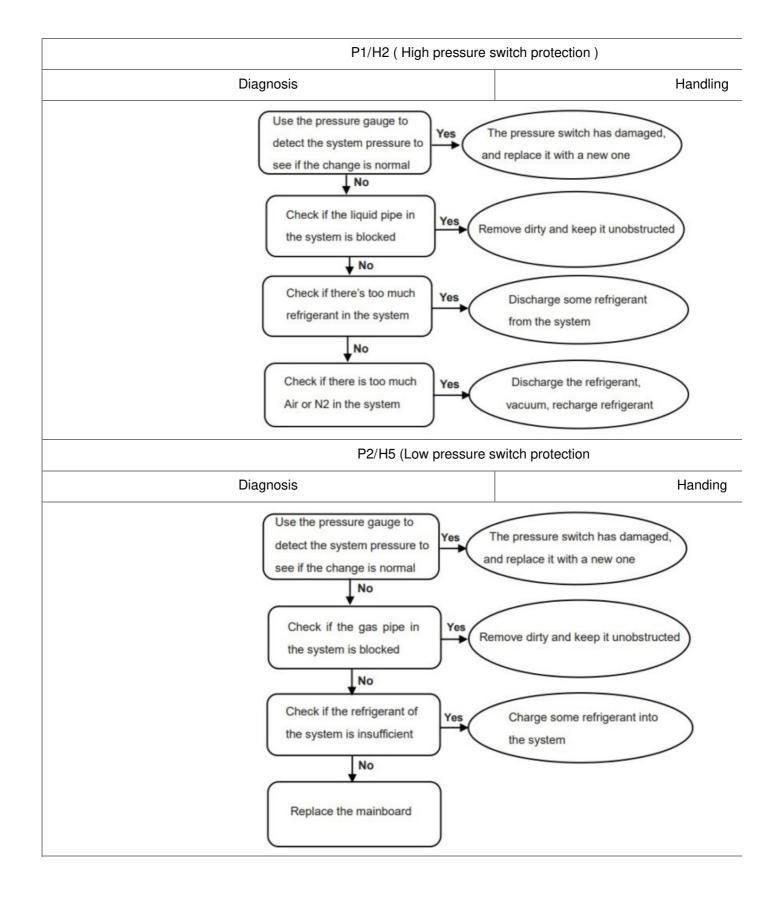
(2) Troubleshooting by error code

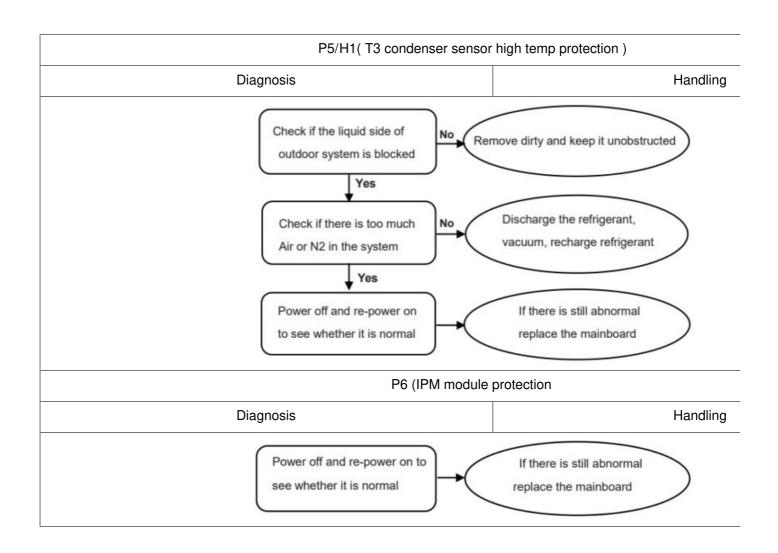


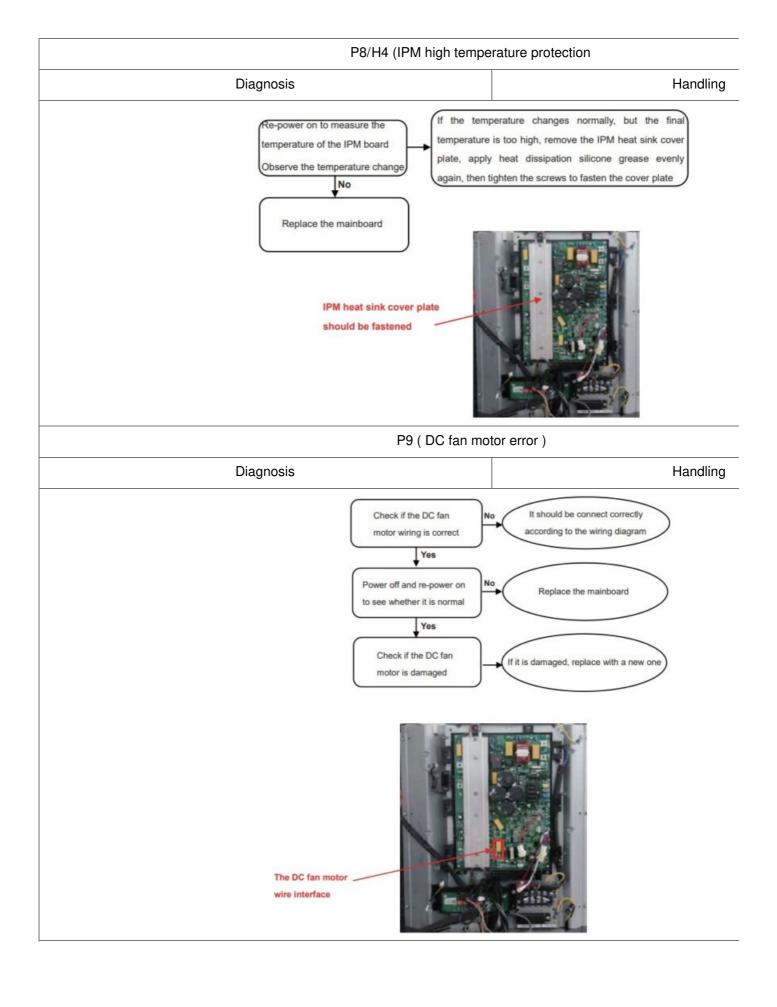


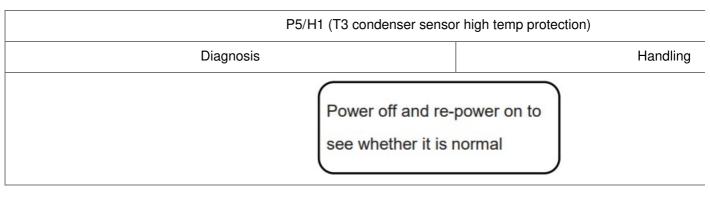


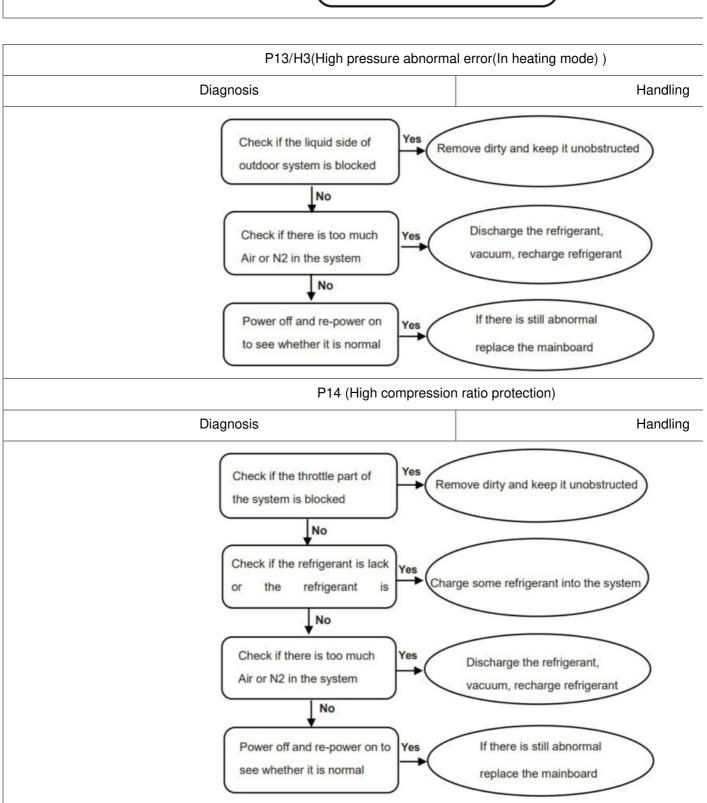


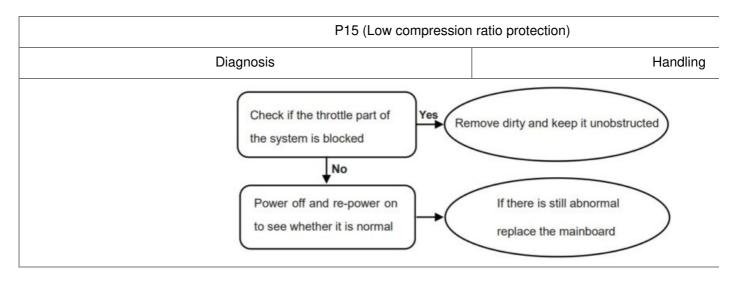


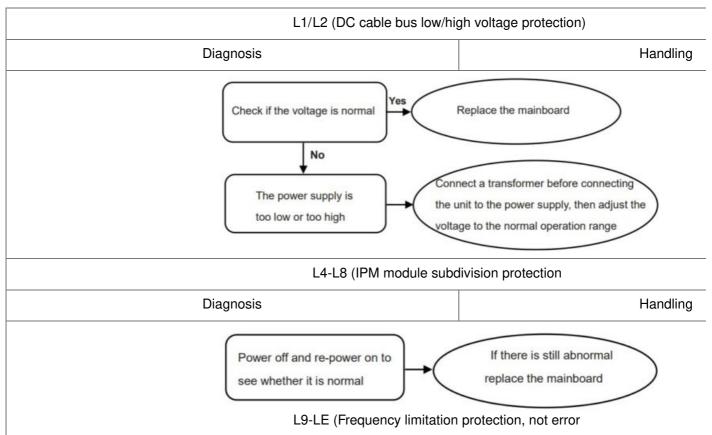






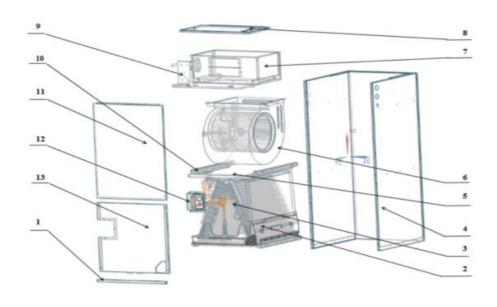






Exploded views and part list

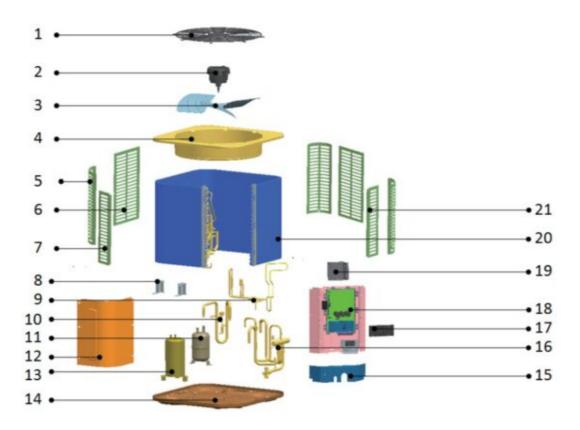
Air Handler Indoor unit



No.	Part Name	Quantity	No.	Part Name	Quantity
1	Filter Cover plate	1	3.8	Evaporator Bafle	1
2	Water pan components	1	3.9	Evaporator Water Bafle #1	2
2.1	Water pan# 1	1	3.10	Evaporator Water Bafle #2	1
2.2	Water pan# 2	1	3.11	Evaporator Water Bafle #3	1
2.3	Water pan fixed block	1	3.12	Evaporator Fixing Plate #1	1
2.4	Water pan brace	2	3.13	Evaporator Fixing Plate #2	1
3.1	Air header Assembly	1	3.14	Evaporator Junction Plate	2
3.2	Diverter Assembly	1	3.15	Evaporator Bafl eweld assembly	1
3.3	TXV	1	4	Chasiss assembly	1
3.4	Evaporator A	1	5	Supporter	2
3.5	Evaporator B	1	6.1	Right Volute Wind Wheel	1
3.6	Evaporator C	1	6.2	Indoor Motor	1
3.7	Evaporator D	1	7	Fan Motor Fixing plate assembly	1

No.	Part Name	Quantity	No.	Part Name	Quantity
7.1	Fan Motor Fixing plate	1	9.1	ELectronic Control Mounting Plate	1
7.2	Wind Wheel Fixed Block	2	9.2	Main Board	1
7.3	Fixed plate on air duct	1	9.3	Transformer	1
7.4	Stator	2	10	Water pan supporter assembly	4
7.5	air duct left stationary plate	1	11	Upper side plate assembly	1
7.6	air duct right stationary plate	1	12	Pipe Cover plate assembly	1
8	Electric control cover foam as sembly	1	13	Lower side plate assembly	1
9	ELectronic Control Components	2			

Top discharge outdoor unit



No.	Part Name	Quantit y	No.	Part Name	Quantity
1	Cover net	1	6	Rear side panel	1
2	Outdoor motor	1	7	Left side panel	1
3	Axial-flow fan	1	8	Piping support plate	2
4	Top cover assembly	1	9	Cooling pipe components of refr	1
5	Support board	3	10	Return pipe welding assembly	1

No.	Part Name	Quantit y	No.	Part Name	Quantity
11	Gas liquid separator	1	16.3. 2.3	Pressure sensor	1
12	Top panel	1	16.3. 3	Four-way valve connecting pipe #2	1
13	Compressor	1	16.3. 4	Four-way valve connecting pipe #3	1
14	Chassis assembly	1	16.3. 5	Coil of four-way valve	1
15	Left side panel	1	17	Radiator cover	1
16.1	High pressure valve welding assemb ly	1	18	Electronic components	1
16.1.1	High pressure valve connecting pipe	1	18.1	Outdoor communication display board	1
16.1.2	Square valve	1	18.2	Reactor	1
16.2	Electronic expansion valve assembly	1	18.3	Fan motor capacitance	1
16.2.1	Check valve	1	18.4	Electronically controlled mounting plate assy	1
16.2.2	Two-way filter	2	18.5	Reactor mount	1
16.2.3	Electronic expansion valve	1	18.6	Main control board mounting ba se	1
16.2.4	L-shaped tube	1	18.7	Communication board mounting base	1
16.2.5	Coil of electronic expansion valve	1	18.8	Terminal block mounting plate	1
16.3	Four way valve assembly	1	18.9	Terminal block	1
16.3.1	Four way valve	1	18.10	Reactor mounting cover welded parts	1
16.3.2	Four-way valve connecting pipe #1 a ssy	1	18.11	Outdoor inverter integrated boar d	1
16.3.2. 1	Pressure Switch	1	20	Condenser parts	1
16.3.2. 2	Four-way valve connecting pipe #1	1	20.2	Condenser assembly	1
16.3.2	Four-way valve connecting pipe #4 a ssy	1	20.1	Condenser input pipe assembly	1

16.3.2. 1	Square valve	1	21	Right side panel	1
16.3.2. 2	Four-way valve connecting pipe #4	1			



Documents / Resources



KEPLERX 18SEER Condensing and Air Handler [pdf] Instruction Manual 18S-EHVC WD2V, 18S-EHVC WD2H, 18S-EHVH WD2V, 18S-EHVH WD2H, 18SEER Condensing and Air Handler, 18SEER, Condensing and Air Handler, Air Handler, Handler

References

• User Manual

Manuals+, Privacy Policy

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