# Split air conditioner Wall mounted Type Service manual

- AUS-24C53R230Gx
- AUS-24H53R230Gx
- AUS-24C53R330Gx
- AUS-24H53R330Gx
- (X=1,3,4,5,6,10,29)

splito

Большая библиотека технической документации

https://splitsystema48.ru/instrukcii-po-ekspluatacii-kondicionerov.html

каталоги, инструкции, сервисные мануалы, схемы.

# CONTENTS

Contents	1
Safety precautions	2
Installation	2
Block diagram	11
Trouble shooting	12
Fault diagnosis by symptom	13
Control specification	17
To disassemble mechanical parts	21
Exploded views and parts list	25
Wiring diagrams	35

# **SAFETY PRECAUTIONS**

# The following safety precautions must be taken when using your air conditioner.

1. Warning: Prior to repair, disconnect the power cord.

2. Use proper parts: use only exact replacement parts. (Also, we recommend replacing parts rather than repairing them.)

3. Use the proper tools: use the proper tools and test equipment, and know how to use them. Using defective tools or test equipment may cause problems later-intermittent contact, for example.

4. Power cord: prior to repair, check the power cord and replace it if necessary.

5. Avoid using an extension cord, and avoid tapping into a power cord. This practice may result in malfunction or fire.

6. After completing repairs and reassembly, check the insulation resistance. Procedure: prior to applying power, measure the resistance between the power cord and the ground terminal. The resistance must be greater than 30 megohms.

7. Make sure that the grounds are adequate.

8. Make sure that the installation conditions are satisfactory. Relocate the unit if necessary.

9. Keep children away from the unit while it is being repaired.

10. Be sure to clean the unit and its surrounding area.

### **INSTALLATION**

#### Selecting area for installation

Select an area for installation that is suitable to the customer's needs.

#### 1 Location of indoor unit

- Keep the air inlet and outlet at a far distance from the blockage.
- Keep the height distance between the indoor and outdoor unit at most 5m.
- Mount on the wall solid enough to bear the weight of the unit and not cause any shake.
- Avoid direct sunshine.
- A place easy for condensate drain and easy for connecting with the outdoor unit.
- Keep a far distance away from the fluorescent lamp, it may influence the operation of remote controller.
- Keep at least 1m away from the TV radio and other home appliances.

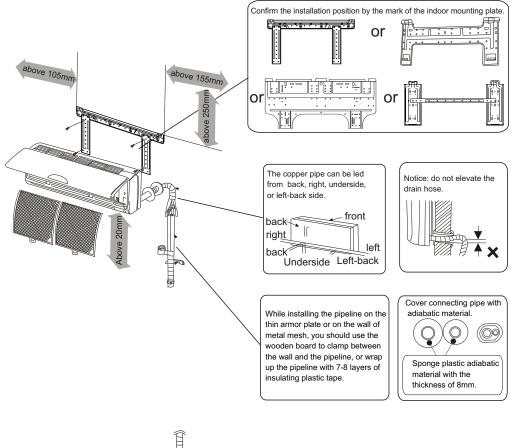
#### 2 Location of outdoor unit

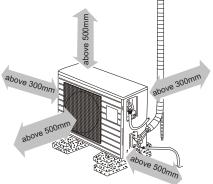
- A place solid enough to bear the weight of the unit and not cause any shake.
- Good ventilation, less dust, far from direct rain and sunshine.
- A place where the air discharged out of the outdoor unit or the operation noise will not annoy your neighbours.
- No blockage near the outdoor unit.
- Avoid places close to inflammable gas leakage.

#### Caution:

It is harmful to the air conditioner if it is used in the following environments: greasy areas (including area near machines). Salty area such as coastal areas, areas where sulfuric gas is present such as hot spring areas. Contact your dealer for advice.

#### Installation diagram of indoor unit and outdoor unit

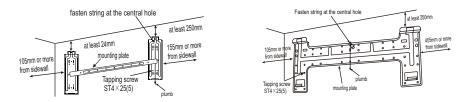




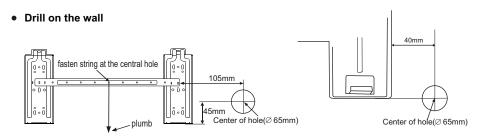
#### 1 Securing the mounting plate and drill on the wall

#### • Secure the mounting plate

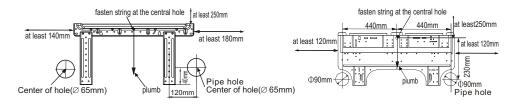
The mounting plate should be attached to the structural part of wall (post etc).



NOTICE: The holes at solid arrow position must be secured to avoid the shake of mounting plate.
When the expansion bolts are used, two holes (11×20 or 11×26) that the distance between them is 450mm should be adopted.



NOTICE: • Confirm the position of holes, and drill holes on the wall.

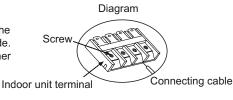


#### NOTICE:

- The holes at solid arrow position must be secured to avoid the shake of mounting plate.
- When the expansion bolts are used, two holes (  $11\times20$  or  $11\times26$  ) that the distance between them is 450mm should be adopted.
- Confirm the position of holes, and drill holes on the wall.

#### 2 Wiring

- Open the front grille;
- Remove the screw from electrical box cover, pull the electrical box cover away from the unit and set aside.
- Remove the screw from fastener, pull the fastener away from the unit and set aside.
- Connect the cable. Replace the fastener and electrical box cover.



#### NOTE:

The appliance shall be installed in accordance with national wiring regulations. The appliance must not be installed in the laundry.

The appliance must be installed 2.3m above the floor.

The appliance must be positioned so that the plug is accessible.

For some models whose cooling capacity are above 4600W (17000BTU/h), an all-pole disconnection device which has at least 3mm separation distance in all pole and a residual current device(RCD) with the rating of above 10mAshall be incorporated in the fixed wiring according to the national rule.

#### 3 Installation of the drain hose

#### ■ NOTE:

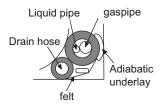
- The drain hose must be arranged beneath the copper pipe.
- The drain hose must not be hunched or twisted.
- While wrapping up the drain hose, do not pull it.
- The drain hose through the room must be wrapped up by the thermal insulation materials.
- The copper pipe and the drain hose must be wrapped up by felt strip. Adiabatic pad should be used at where the pipe contacts the wall.

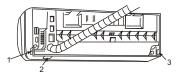
#### ROUTE OF PIPE

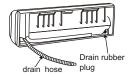
- If pipe comes out of the right side of the indoor unit, cut part "1" of the unit;
- If pipe comes out of the lower-right side of the indoor unit, cut part "2" of the unit;
- If pipe comes out of the left side of the indoor unit, cut part "3" of the unit.

#### ■ REFIT OF DRAIN HOSE

- If pipe comes out of the left side of the indoor unit, the drain hose must be refitted, otherwise water leakage may occur.
- Refit methods: Interchange the position of drain hose and drain rubber plug.
- Clearance is not allowed after refit, it would lead to water leakage.

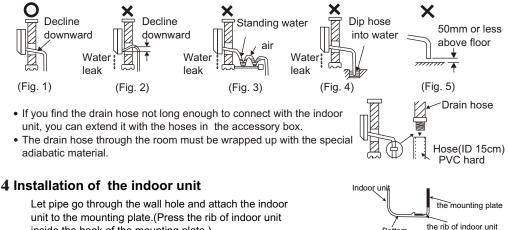






#### Arrangement of the drain hose

• To drain the condensate water easily, the drain hose should be declined downwards. The following 5 arrangement methods are incorrect.



inside the hook of the mounting plate.)

#### 5 Pipe Connection

- The number of bent position of the pipe in the indoor unit should not exceed 10.
- The number of bent position of the pipe in the indoor unit and the outdoor unit should not exceed 15.
- The radius of bent position should be more than 10cm.
- Please break the evaporator craft tube with pincers before connecting. After exhausting the inside air. use the wrench to twist down the nut of connecting tube of the evaporator.
- Put some seal oil to cover the joint and the flare.
- Align the centre of joint in line with that of flare and tighten the nut of connecting pipe with wrench.

#### Attention:

Do not exhaust the inside air just by loosing the nut since there is the air of certain pressure inside the tube of indoor unit. Please do not make extra effort for fear of damaging the flare.

DIAMETER OF PIPE	TORQUE(N • m)	
6.35mm ( 1/4 " )	13.717.6	
9.52mm ( 3/8" )	34.341.2	
12.7mm ( 1/2" )	49.056.4	
15.88mm ( 5/8" )	73.078.0	

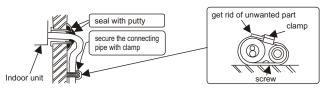




Bottom

#### 6 Wall sealing and Pipe fastening

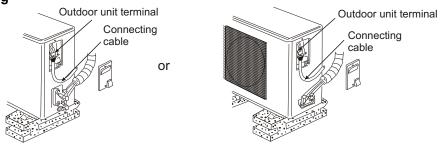
- Use putty to seal the wall hole.
- Use clamp (pipe fastener) to secure the pipe at specified position.



https://splitsystema48.ru/instrukcii-po-ekspluatacii-kondicionerov.html Все каталоги и инструкции здесь:

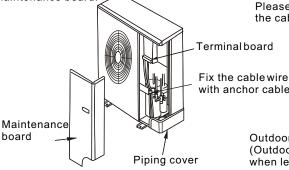
#### Installation diagram of indoor unit and outdoor unit

1 Wiring



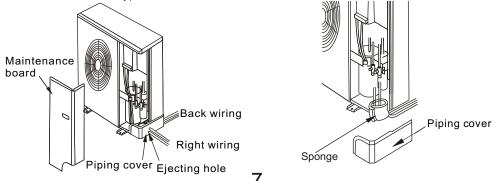
Wiring For Above 6000W Model (Above 21000BTU/h Model)

1 Remove the self-tapping screws (2 pcs) on the maintenance board and take out the maintenance board.



2 Loosen the self-tapping screws (2pcs) on the fixing clip to loosen the fixing clip.

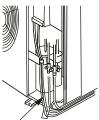
3 Loosen the fixing screw of the wire terminal board, pass the power wire and signal wire through the fixing clip. Then firmly fix the power wire and signal wire on the terminal board with the fixing screw. (Earth wire must be connected firmly)



The cable wire can be led from the back hole of the pipinghole or ejectinghole.

Please utilize outdoorpipe support when the cable wire is led from the backside.

with anchor cable



Outdoor pipe support

(Outdoor pipe support is not required when leading the cable wire from other places).

4 Tighten the self-tapping screwon the fixing clip.

5 Install the maintenance board. After the pipes and cable wire are installed, please seal the sponge block asper drawing indication.

https://splitsystema48.ru/instrukcii-po-ekspluatacii-kondicioneroy.html Все каталоги и инструкции здесь:

#### Notice:

- If the signal wire has to be bought separately, choose electric wire above 0.75mm<sup>2</sup>.
- If the interconnection cord for power supply has to be replaced, please see the following table for reference.

MODEL	SPECS (Interconnection cord)	
≤2700W(10000BTU/h)	≥1.0mm <sup>2</sup>	
3000W(11000BTU/h)-4000W(15000BTU/h)	≥1.5mm²	
4500W(18000BTU/h) -8000W(28000BTU/h)	≥2.5mm <sup>2</sup>	

#### WARNING:

- Please take the electric circuit diagram attached to the indoor/outdoor units as major reference while installing.
- The power wire and signal wire between the indoor/outdoor units must be connected one by one as per corresponding number on the wiring terminal board.
- The connecting cables must be clipped together.
- Special cable must be used to connect indoor unit and outdoor unit. It should be ensured that the terminals are not influenced by external force. Poor connection may cause fire.
- The electric box cover must be mounted and secured in position, otherwise fire or electrical shock may occur because of dust or moisture.
- The temperature of refrigerant circuit will be high, please keep the interconnection cable away from the copper tube.
- All the models shall be connected with the mains which has system impedance limitations. While installing the unit, please see the following table for impedance information or consult with the supply authority.

R410A	3500W (12000BTU/h)	≪ <b>0.219</b> Ω
series	5100W (18000BTU/h)	≪ <b>0.186</b> Ω
	6800W (18000BTU/h)	<b>≤0.124</b> Ω

Q

#### 2 Installation of the drain joint(only for heat pump type)

 Insert the outdoor double-channel drain joint in one of the bottom holes of the suitable size then connect drain hose and joint together.

#### 3 Joint of the connecting pipe

- Put some seal oil to cover the joint and the flare.
- Align the centre of joint in line with that of flare and tighten the nut of connecting pipe with wrench. ( Adjust the torque by the same method of connecting pipe for indoor unit.)

#### 4 Air exhausting

- Screw down the cap of both gas shut-off valve and liquid shut-off valve as well as the nut of service port.
- Use Allen wrench to turn the valve cork of liquid side at 90° counter-clockwise, and close it after 10 seconds. Use soapy water to check the gas leakage especially at all joint. If there is no gas leakage, please turn the valve cork of liquid side at 90° counter-clockwise again.
- Press the cork of service port at gas shut-off valve, 10 seconds later, when you see foggy gas discharged, that means inner air is exhausted out.
- Use Allen wrench to turn the valve cork of both liquid shut-off valve and gas shut-off valve counter-clockwise until they are completely open and then replace the valve caps and tighten them.

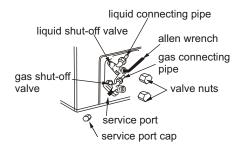
#### 5 Process of flared tube

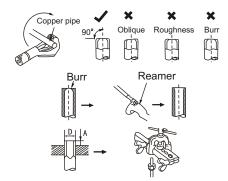
- Use the pipe cutter to cut off the broken part of flare.
- Remove burrs at the cut of the flare.
- Insert a nut into the connecting pipe and do flaring with specified flaring tools, reamers for example.

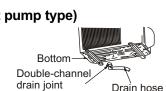
Remove burrs at the cut of the flare.

Outer diameter	A(mm)
6.35mm ( 1/4" )	2.02.5
9.52mm ( 3/8" )	3.03.5
12.7mm(1/2")	3.54.0
15.88mm(5/8")	4.04.5

• Check the quality of flaring technique.









#### 6 Adding refrigerant

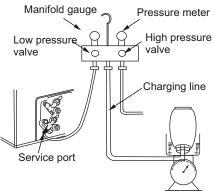
 If the connecting pipe is longer than 7 metres, add refrigerant as needed. (Cool only type) added amount A=(Lm-7m)×15g/m; (Heat pump type)added amount A= (Lm-7m) ×50g/m. (A: amount of added refrigerant, L: the length of connecting pipe)

The length of connecting pipe (m)	7	8	9	10
(Cool only type)added amount (g)	0	15	30	45
(Heat pump type)added amount (g)	0	50	100	150

- Exhaust the air as the above-mentioned method.
- Screw the gas shut-off valve to close, connect charging hose(low pressure) to the service valve and then open gas shut-off valve again.
- Set the unit to cool operation mode.
- Connect the refrigerant bottle to the charging hose and then convert it.
- Fill in liquid refrigerant as the above table.
- Stop operation of the air conditioner.
- Disconnect the manifold gauge after turning off the shut-off valve, and then open gas shut-off valve again.
- Tighten nuts and caps of each valve.

#### 7 Relocation of the air conditioner.

- · Refer to this procedure when the unit is relocated.
- 1. Carry out the pump down procedure.
- 2. Remove the power cord.
- 3. Disconnect the assembly cable from the indoor and outdoor units.
- 4. Remove the flare nut connecting the indoor unit and the pipe.
  - At this time, cover the pipe of the indoor unit and the other pipe using a cap or vinyl plug to avoid foreign material entering.
- 5. Disconnect the pipe connected to the outdoor unit.
- 6. Make sure you do not bend the connection pipes in the middle and store together with the cables.
- 7. Move the indoor and outdoor units to a new location.
- 8. Remove the mounting plate for the indoor unit and move it to a new location.



#### 8 Operation test

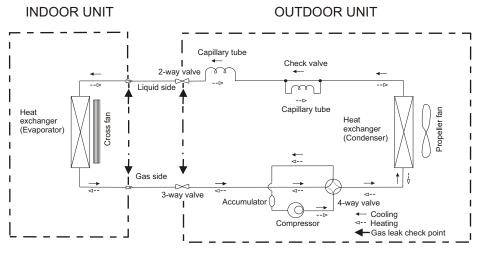
- Before test operation, wiring safety inspection must be carried out carefully again.
- 1. Emergency switch operation: Every press of emergency switch, the air conditioner runs as in the following order:

Cool only type: Cool —> Shut off Heat pump type: Cool —> Heat —> Shut off

- Remote controller operation: If the indoor unit sounds like Di, Di when pressing I/O button, that indicates the air conditioner is under the operation of remote controller. After that, press every button to test their functions.
- 3.Check switch operation: Open the front grille and press the check button. Switch on the power source and then the operation test is activated. If the indicator lamps light up at first and then go out in succession or the LED window of the indoor unit illuminates at first and then goes out, the system is under normal operation. If one of the indicator lamps is flashing at all times, or failure codes are displayed on the LED window of the indoor unit, the system has something wrong and please check malfunction immediately.

### **BLOCK DIAGRAM**

#### Refrigerant Cycle Block Diagram



11

# TROUBLE SHOOTING

#### Items to be checked first

- 1. Is the voltage of the power correct? The input voltage shall be rating voltage  $\pm$  10%. The air conditioner may not operate properly if the voltage is out of this range.
- 2. Is the link cable connecting the indoor unit and the outdoor unit linked properly? Please refer to the "wiring diagram"

Check the terminals if the indoor unit and outdoor unit are properly linked by the same number of cables. 3. When a problem occurs due to the contents illustrated in the table below, it is symptom not related to the

malfunction of the air conditioner.

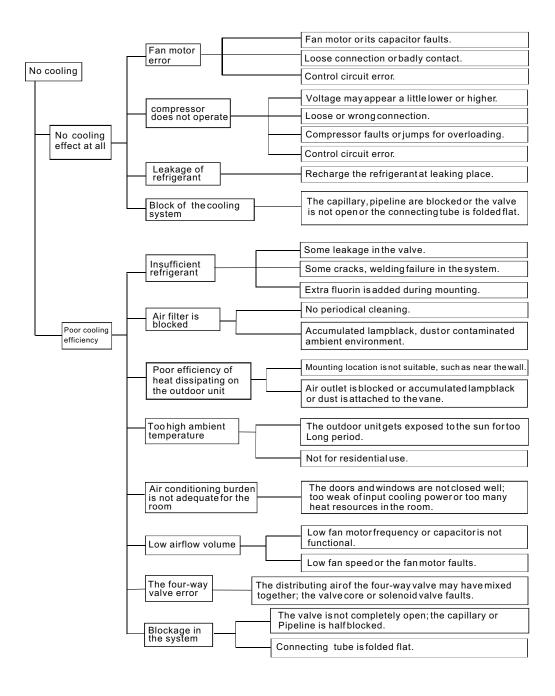
Operation of air conditioner	Explanation
In COOL operation mode, the compressor does not operate at a room temperature higher than the setting temperature that the indoor fan should operate. In a HEAT operation mode, the compressor does not operate at a room temperature lower than the setting temperature that indoor fan should operate.	It happens after a delay of 3 minutes when the compressor is reoperated. The same phenomenon occurs when a power is on. As a phenomenon that the compressor is reoperated after a delay of 3 minutes, the indoor fan is adjusted automatically with reference to a temperature of the air blow.
Fan speed setting is not allowed in AUTO or DRY mode.	The speed of the indoor fan is set to low in DRY mode. Fan speed of 3 steps is selected automatically in AUTO mode.
Compressor stops operation intermittently in DRY mode.	Compressor operation is automatically controlled in DRY mode depending on the room temperature and humidity.
Compressor of the outdoor unit is operating although it is turned off in HEAT mode.	When the unit is turned off while de-ice is activated, the compressor continues operation for up to 10 minutes(maximum) until the deice is completed.
Timer indicator lamp lights up and the air conditioner does not operate.	Timer is being activated and the unit is in ready mode. The unit operates normally if the timer operation is cancelled.
The compressor and indoor fan stop intermittently in HEAT mode.	The compressor and indoor fan stop intermittently if room temperature exceeds a setting temperature in order to protect the compressor from overheated air in HEAT mode.
Indoor fan and outdoor fan stop intermittently in HEAT mode.	The compressor operates in a reverse cycle to remove exterior ice in HEAT mode, and indoor fan and outdoor fan do not operate intermittently for within 20% of the total heat operation.
The compressor stops intermittently in COOL mode or DRY mode, and fan speed of the indoor unit decreases.	The compressor stops intermittently or the fan speed of the indoor unit decreases to prevent inside/outside air frozen depending on the inside/outside air temperature.

#### SELF DIAGNOSIS FUNCTION

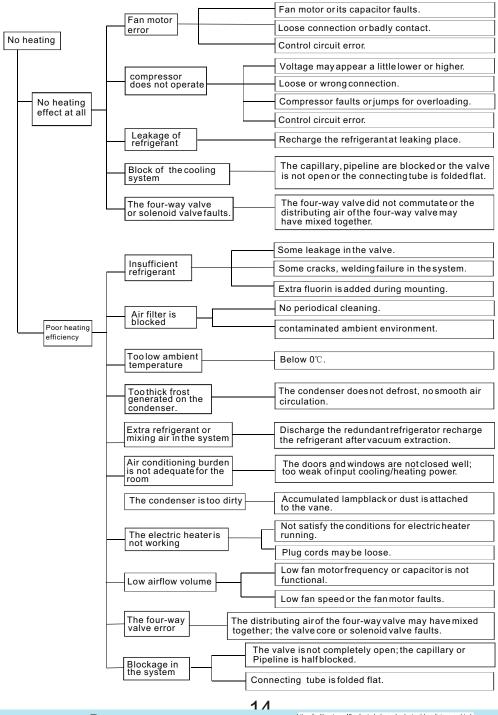
Our company provides the end-users with thoughtful services by installing various diagnostic systems to indicate the following irregular performances.

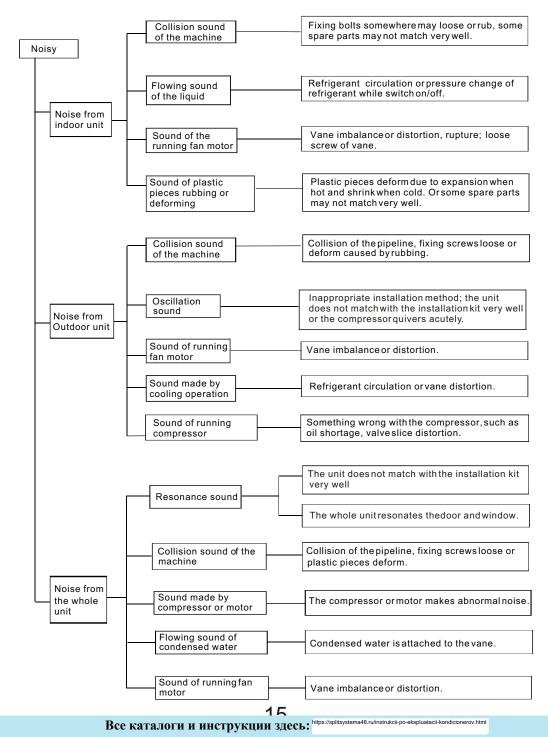
Check code	Diagnosis of malfunction	
FAULT F6	PG motor faults	
FAULT F7	Indoor TEMP sensor faults	
FAULT F8	Indoor coil pipe TEMP sensor faults	
FAULT F9	Outdoor coil pipe TEMP sensor faults	

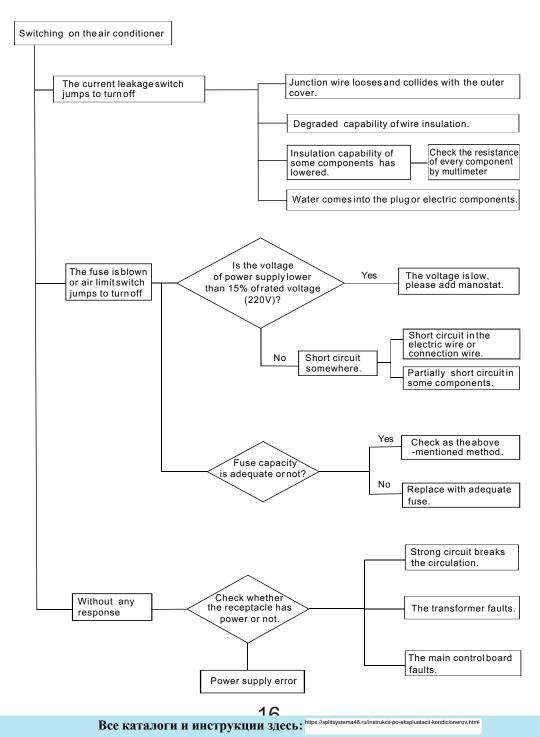
17



12







### ABBREVIATION

ST: Setting Temperature PT: Indoor coil Pipe Temperature RT: Room Temperature OT: Outdoor coil pipe temperature OFAN: Outdoor fan IFAN: Indoor fan COMP: Compressor

#### OPERATION OF MAIN BOARD

#### COOL MODE

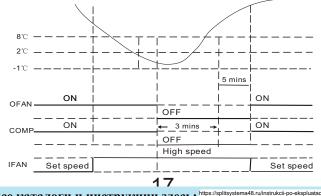
- The ST at cool mode is adjustable within 16°C-31°C.
- When RT≥ST, both the compressor and the outdoor fan start; When RT<ST-1℃, the compressor stops and 18 seconds later, the outdoor fan will stop. But the indoor fan keeps running at predetermined speed.
- Once turning on the unit while set at cool mode, the indoor fan immediately runs at predetermined speed; if all the conditions meet with the requirement of compressor operation, both the outdoor fan and compressor start running. If not, either the outdoor fan or compressor could start.
- The four-way valve keeps being off all the time at cool mode.

#### Condensate dew prevention

If the horizontal air flow louver is set at low angle on COOL mode, after a while, it will auto swing to its maximum angel for system protection. 3 minutes later, the horizontal air flow louver will resume to its original position.

#### Anti-ice function

- When PT=2°C, the compressordoes not stop and indoor fan runs at high speed.
- When PT≤-1℃ for 1 minute, the compressor and outdoor fan stop and indoor fan runs at high speed.
- When PT≥8°C for 5 minutes, anti-ice protection deactivates, both the compressor and the outdoor fan start operation.



#### HEATMODE

- If the air conditioner is off and then turned on while set at COOL, HEAT or DRY mode, it will take approximately 3 minutes for the compressor to start.
- The ST at heat mode is adjustable within16°C-31°C.
- When  $RT \ge ST$ , the compressor stops; when  $RT < ST-1^{\circ}C$ , the compressor starts.
- Once turning on the unit while set at heatmode, if all the conditions meet with the requirement of compressor operation, the four-way valve gets charged and 8 seconds later, the compressor and outdoor fan startrunning.

#### Strong-wing prevention :

• A.PT<27, the indoor fan stops running, the swing louver cannot be controlled by the remote controller.

B.34>PT $\geq$ 27,the indoor fanruns at low speed, the sweeplouver erects.

C.PT $\geq$ 34,the indoor fan and the swing louver can be controlled normally.

#### Heat overload protection:

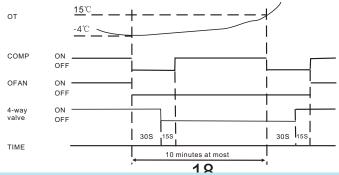
- For 7000BTU/h Model, when PT≥47°C, the outdoor fan stops; when PT≤42°C, the outdoor fan starts; when PT≥60°C, the compressor stops.
- For 9000BTU/h Model, when PT≥50°C, the outdoor fan stops; when PT≤47°C, the outdoor fan starts; when PT≥63°C, the compressor stops.
- For ≥9000BTU/h Model, when PT≥55℃, the outdoor fan stops; when Pt≤50℃, the outdoor fan starts; when PT≥63℃, the compressor stops.

#### Deice control:

- Conditions for activating deice:
   a. The working hours of compressor accumulates to be 40 minutes.
   b. When OT≤-4℃ for 1 minute.
- Conditions for terminating deice:
   a. When OT≥15℃ for 1 minute.
   b. Over 10 minutes of deicing operation.

#### Electric-heat control:

- Conditions for initiating electric-heat function:
   a. RT≤23°C; b. RT+3°C ≤ST; c. The indoor fanruns;
   d. Turnon the electric-heatkey; e. PT<50°C</li>
- Conditions for terminating electric-heat function:
   a. PT≥50°C; b. RT≥26°C; c. The indoor fan stops running;
   d. Turn off the electric-heat key; e. Mode change.
- Conditions for terminating electric-heat function:
   a. PT≥50°C; b. RT≥26°C; c. The indoor fan stops running;
   d. Turn off the electric-heat key; e. Mode change.



#### DRY MODE

In this mode, the air conditioner automatically sets the room temperature and this temperature
is incontrollable by remote controller. The initial ST =RT-2 $^{\circ}$ C.

Control during drymode:
 a. When RT<15℃, dry mode is not available; when RT≥15℃, the compressor intermittently runs under the influence of TS and RT.</li>
 b. When RT>22℃ if RT>CT, the compressor runs intermittently so this:

b. When RT≥23°C, if RT≥ST, the	e compressor runsintermittently as this:
Run for 8 minutes → Stop for	3 minutes

If RT <st, as="" compressor="" intermittently="" runs="" th="" the="" this:<=""></st,>
Stop for 4 minutes — Run for 1 minute
• •
c. When $RT < 23^{\circ}C$ , if $RT \ge ST$ , the compressor runs intermittently as this Run for 2 minutes $\longrightarrow$ Stop for 3 minutes

If RT<ST, the compressor runs intermittently as this:

Stop for 4 minutes  $\longrightarrow$  Run for 1 minute

d. In this mode, the indoor fan keeps running at low speed with the same pace as the compressor, and this speed can not be controlled by remote controller.

#### AUTO MODE

 In this mode, the air conditioner can automatically adjust the room temperature to decide the most suitable temperature. At the start of operation, the unit will automatically select the operation mode according to the room temperature. The following table shows the conditions which are set at start up.

Room		Cool only type	Heat pump type	
Temperature (RT)	Mode	Initial Setting Temperature	Mode	Initial Setting Temperature
RT≥26°C	Cool	<b>24</b> °C	Cool	<b>24</b> °C
26℃>RT≥25℃	0001	RT-2	0001	RT-2
25℃>RT≥23℃	Dmi	RT-2	Dry	RT-2
RT<23°C	Dry	<b>21</b> ℃	Heat	26°C

#### Auto mode entering

a. Once some operation mode is determined, it can not be changed even if the RT has altered.

- b. You can change the operation mode by remote controller.
- If restart within 2 hours, the unit will resume the same operation mode as before.
   If restart after 2 hours, the unit will select the operation mode according to the initial room temperature.
- At auto mode the ST can only be set + or 2 °C of the RT.

#### FAN MODE

- Indoor fan runs at the set speed while compressor and outdoor fan are turned off.
- Indoor fan speed can be adjusted for low, medium and high.

#### SLEEP MODE

#### Sleep mode in cooling and drying running.

A. The indoor fan runs at low speed.

B. After one hour of operation the set temperature will increase by 1°C. One hour later, the set temperature will increase by 1°C once more. The unit will then continue operating at 2°C above the set temperature.

#### Sleep mode in heating running.

A. The indoor fan runs at low speed.

B. After one hour of operation the set temperature will decrease by  $2^{\circ}$ C. One hour later, the set temperature will decrease by  $2^{\circ}$ C once more. The unit will then continue operating at  $4^{\circ}$ C below the set temperature.

Stop operation of the air conditioner and remove the power cord before repairing the unit. The following pictures taking G1 series as an example are presented just for the purpose of illustration.

#### Indoor unit

No	Parts	Procedure	Remark
1	Front grille	<ol> <li>Stop the air conditioner operation and block the main power.</li> <li>Contract the second finger to the left ,and right handle and pull to open the inlet grille.</li> </ol>	
		3.Draw away signal line.	Filter
		4.Take the left and right filter out.	
		5. Loosen two fixing screw of front grille.	
		6.Put hands at the two ruts of the body, then pull the front panel out .	

Все каталоги и инструкции здесь: https://splitsystema48.ru/instrukcii-po-ekspluatacii-kondicionerov.html

<u>ງ</u>1

No	Parts	Procedure	Remark
2	Electrical parts	1.Loosen the earth screw in evaporator.	Earth screw
		2.Loosen the stepping motor line, and pull softly the indoor pipe temperature sensor out from the pipe casing.	Sensor
		3.Push the hook outside to take the electrical box out easily.	
		4.Separate the electrical box from the indoor unit.	
3	Ass'y tray drain	1.Push the left and right hooks to make the ass'y pulled out.	

No	Parts	Procedure	Remark
		2.Separete the ass'y tray drain from the body.	
		1.Push the left hook and separate the left part out of evaporator.	
4	Evaporator	2.Push the right hook and separate the right part out of evaporator.	Hook
		3.Separate the evaporator from the indoor unit.	
5	Fan motor and cross fan	1.Separate the fan motor from the fan.	

#### **Outdoor unit**

No	Parts	Procedure	Remark
1	Cabinet	1.Turn off the unit and remove the power cable.	
		2.Remove the upper cabinet .	
2	Fan motor & propeller fan	<ol> <li>Remove the nut flange. (Turn to the right to remove as it a left turned screw)</li> <li>Separate the propeller fan from fan motor.</li> </ol>	
		3.Loosen the fixed screw of fan motor, separate the fan motor from outdoor unit.	
3	Ass' y control out.	<ol> <li>Loosen the fixing screw of the base-electrica control.</li> <li>Loosen the nut flange on compressor.</li> </ol>	
		<ul><li>3.Separate the connector.</li><li>4.Separate the ass'y control out from the outdoor unit.</li></ul>	

Все каталоги и инструкции здесь: https://splitsystema48.ru/instrukcii-po-ekspluatacii-kondicionerov.html

# Indoor unit AUS-24C(H)53C230Gx AUS-24C(H)53C330Gx (X=1,3,4,5,6,10,29)

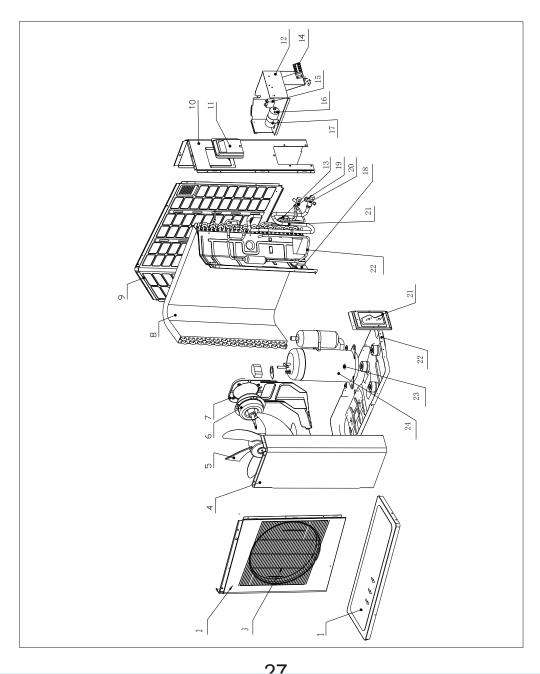
Все каталоги и инструкции здесь: https://splitsystema48.ru/instrukcii-po-ekspluatacii-kondicionerov.html

って

#### Indoor unit AUS-24C(H)53C230G1 AUS-24C(H)53C330G1

No.	English Part Name	qty.	remark	No.	English Part Name	qty.	remark
1	Air filter	1		26	Main control board	1	
2	Deserate ring	1	G1、2、7、10、11	27	Electrical control box	1	
2	Decorate ring	1	without,G3、 6(decorate tape)	28	Pipe temperature sensor	1	
3	Display piece	1	G2、4、7 without, G1、3(display	29	Room temperature sensor	1	
-			piece)				
4	Electrical control box	1	G2、7 without				
5	LED	1	G2、7 without				
6	Indoor display panel	1	G1(display piece), G2、3、6、7、10 without				
7	Front panel	1					
8	Connecting cable clip	1					
9	Screw cover	3					
10	Enclosure	1					
11	Water collecting tray	1					
12	Stepping motor	1					
13	Drain hose	1					
14	Evaporator	1					
15	Fan motor capacitor	1					
16	Transformer	1					
17	Bottom enclosure	1					
18	Indoor unit fan	1					
19	Mounting plate	1					
20	Oil bearing	1					
21	Rubber bear support	1					
22	Indoor unit terminal block	1					
23	Pipe fixed plate	1					
24	Motor box cover	1					
25	Indoor fan motor	1					

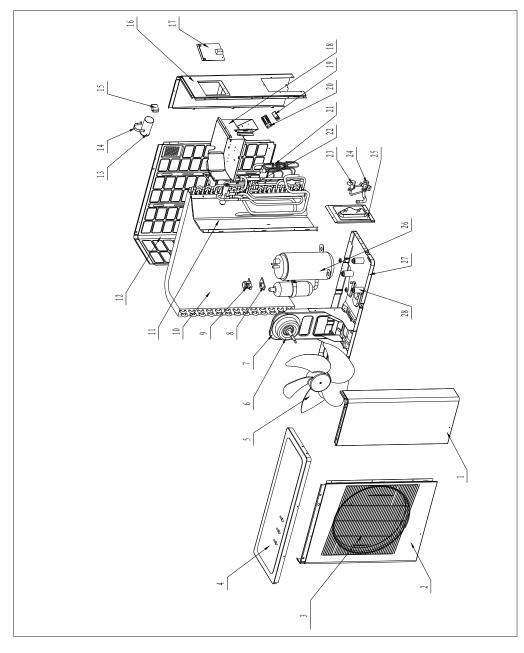
#### Outdoor unit AUS-24C53R230Gx



#### Outdoor unit AUS-24C53R230Gx

No.	English Part Name	Quantity	No.	English Part	Name	Quantity
1	Top cover	1				
2	Left front panel	3				
3	Air outlet grille	1				
4	Right front plate	1				
5	outdoor unit fan	1				
6	outdoor fan motor	1				
7	Outdoor fan motor supporter	1				
8	Condenser	1				
9	left back side plate	1				
10	Right back side plate	1				
11	Handle	2				
12	Electrical install board	1				
13	Capillary assembly	1				
14	Outdoor unit terminal block	1				
15	Fan motor capacitor	1				
16	Capacitor or compressor	1				
17	Capacitor fixing clip	1				
18	Partition	1				
19	Low pressure valve	1				
20	High pressure valve	1				
21	Valve board	1				
22	Bottom board	1				
23	Compressor screw	3				
24	Compressor	1				

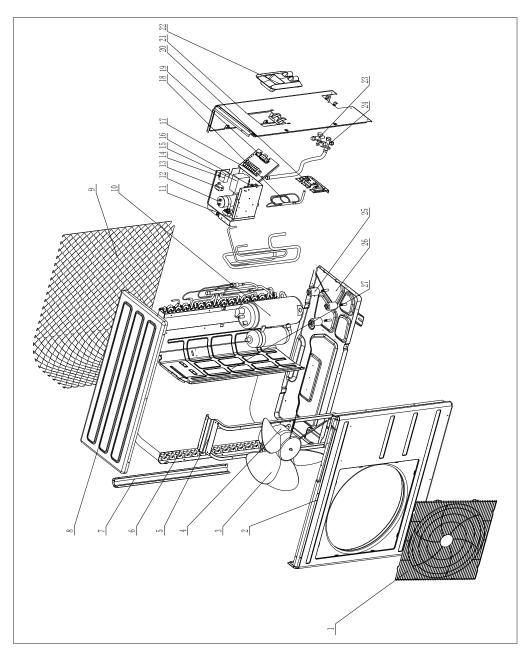
#### Outdoor unit AUS-24H53R230Gx



#### Outdoor unit AUS-24H53R230Gx

No.	English Part Name	Quantity	No.	English Part Name	Quantity
1	Right front plate	1	28	Rubber shock absorption for compressor	3
2	Left front plate	1			
3	Air outlet grille	1			
4	Top cover	1			
5	Outdoor unit fan	1			
6	Outdoor fan motor	1			
7	Outdoor fan motor supporter	1			
8	Terminal cover cushion	1			
9	Compressor terminal cover	1			
10	Condenser	1			
11	Partition	1			
12	Left back side plate	1			
13	Capacitor for compressor	1			
14	Capacitor fixing clip	1			
15	Fan motor capacitor	1			
16	Right back side plate	1			
17	Handle	2			
18	Electrical install board	1			
19	Power supply cord fixing	1			
20	Outdoor unit terminal block	1			
21	Capillary assembly	1			
22	Four way valve	1			
23	Low pressure valve	1			
24	High pressure valve	1			
25	Valve board	1			
26	Compressor	1			
27	Bottom board	1			

#### Outdoor unit AUS-24C53R330Gx

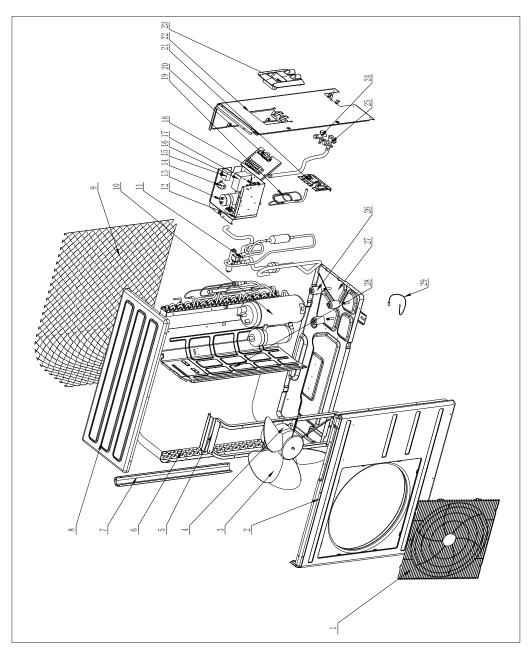


<sup>21</sup> 

#### Outdoor unit AUS-24C53R330Gx

No.	English Part Name	Quantity	No.	English Part	Name	Quantity
1	Air outlet grille	1				
2	Front panel	1				
3	Outdoor unit fan	1				
4	Outdoor fan motor	1				
5	Outdoor fan motor supporter	1				
6	Condenser	1				
7	Left back side plate	1				
8	Top panel	1				
9	Back cover	1				
10	Compressor	1				
11	Electrical install board supporter	1				
12	Capacitor for compressor	1				
13	PTC start up device	1				
14	Fan motor capacitor	1				
15	Contactor	1				
16	Start up capacitor	1				
17	Outdoor unit terminal block	1				
18	Capillary assembly	1				
19	Power supply cord clip	1				
20	Valve board	1				
21	Right back side plate	1				
22	right handle	1				
23	High pressure valve	1				
24	Low pressure valve	1				
25	Rubber shock absorption for compressor	1				
26	Back board	1				
27	Partition	1				

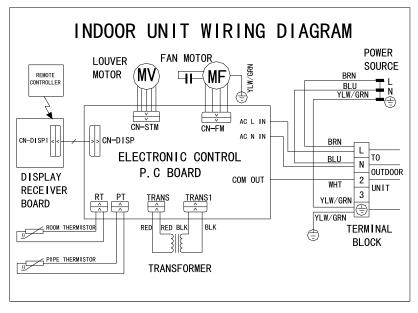
#### Outdoor unit AUS-24H53R330Gx

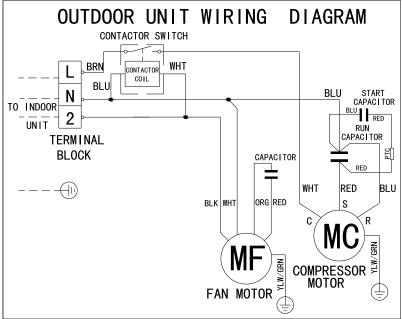


#### Outdoor unit AUS-24H53R330Gx

No.	Name	Quantity	No.	Name	Quantity
1	Air outlet grille	1	27	Back board	1
2	Front panel	1	28	Partition	1
3	Outdoor unit fan	1	29	Outdoor pipe sensor	1
4	Outdoor fan motor	1			
5	Outdoor fan motor supporter	1			
6	Condenser	1			
7	Left back side plate	1			
8	Top cover	1			
9	Back cover	1			
10	Compressor	1			
11	Four way valve	1			
12	Electrical install board supporter	1			
13	Capacitor for compressor	1			
14	PTC start up device	1			
15	Fan motor capacitor	1			
16	Contactor	1			
17	Start up capacitor	1			
18	Outdoor unit terminal block	1			
19	Capillary assembly	1			
20	Power supply cord clip	1			
21	Valve board	1			
22	Right back side plate	1			
23	Handle	2			
24	High pressure valve	1			
25	Low pressure valve	1			
26	Rubber Shock absorption for compressor	1			

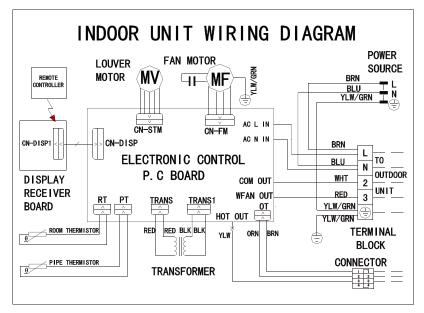
#### MODEL: AUS-24C53R230Gx

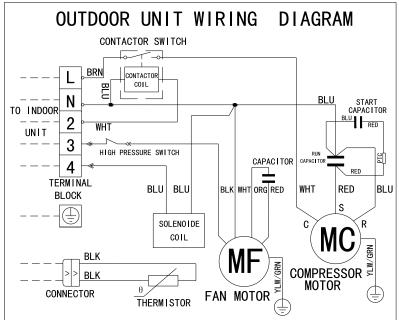




Все каталоги и инструкции здесь: https://splitsystema48.ru/instrukcii-po-ekspluatacii-kondicionerov.html

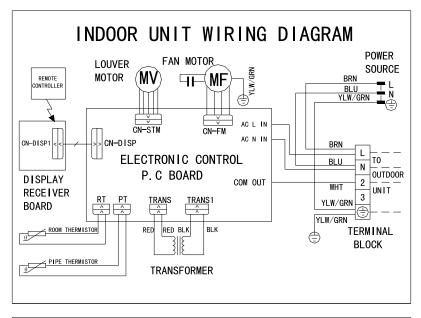
#### MODEL: AUS-24H53R230Gx

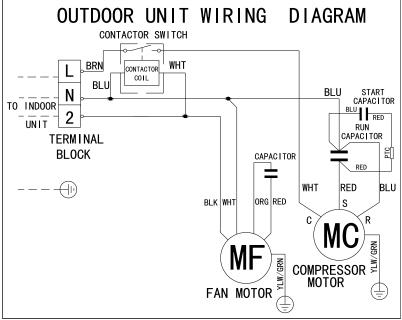




Все каталоги и инструкции здесь: https://splitsystema48.ru/instrukcii-po-ekspluatacii-kondicionerov.html

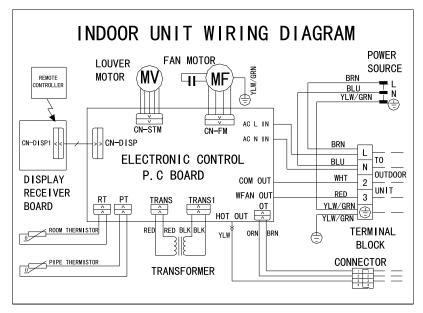
#### MODEL: AUS-24C53R330Gx

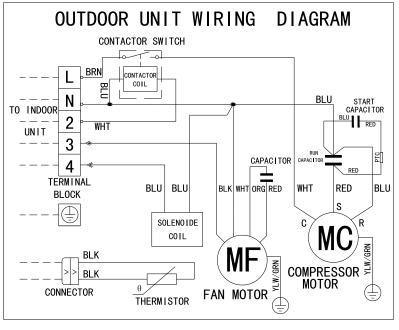




Все каталоги и инструкции здесь: https://splitsystema48.ru/instrukcii-po-ekspluatacii-kondicionerov.html

#### MODEL: AUS-24H53R330Gx





Все каталоги и инструкции здесь: https://splitsystema48.ru/instrukcii-po-ekspluatacii-kondicionerov.html