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You can read the recommendations in the user guide, the technical guide or the installation guide for HAIER HSM12HEK03-R2. You'll find the answers to all your questions on the HAIER HSM12HEK03-R2 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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INSTALLATION MANUAL

Haier

ROOM AIR CONDITIONER
WALL MOUNTED TYPE

HSM 09HEK03/R2(DB)
HSM 12HEK03/R2(DB)
HUM 09HA03/R2(DB)
HUM 12HA03/R2(DB)

Read this manual before installation
Explain sufficiently the operating means to the user according to this manual.

NO.001051



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Manual abstract:

NO.001051 Necessary Tools for Installation 1.Driver 2.Hacksaw 3.Hole core drill 4.Spanner(17,19 and 26mm) 5.Torque wrench(17mm,22mm,26mm) 6.Pipe cutter 7.Flaring tool 8.Knife 9.

Nipper 10.Gas leakage detector or soap-and-water solution 11.Measuring tape 12.Reamer Drawing for the installation of indoor and outdoor units Accessory parts No. 1 2 3 Mounting plate Accessory parts Remote controller Number of articles more than 5cm more than 10cm 1 2 1 1 R-03 dry battery 4 5 6 7 8 9 10

11 Drain hose 4X50 Steel nail, cement 4X25 Screw Plastic cap more than 6 4 1 1 Arrangement of piping directions Attention must be paid to the rising up of drain hose than 1 0cm A Drain-elbow Cover Cushion 4 1 1 Rear left Left Rear right Below Right Pipe supporting plate Connecting cable Optional parts for piping Mark A B C D E F G Parts name Non-adhesive tape Adhesive tape Saddle(L.

S) with screws Connecting electric cable for indoor and outdoor Drain hose Heating insulating material Piping hole cover more than 1 than 1 0cm 0cm D more than 1 5cm more than 60cm The marks from A to G in the figure are the parts numbers. @@@@ Place, possible to drain easily, where piping can be connected with the outdoor unit. Place, where cold air can be spread in a room entirely. Place, nearby a power receptacle, with enough space around. (Refer to drawings).

Place where the distance of more than 1m from televisions, radios, wireless apparatuses and fluorescent lamps can be left. In the case of fixing the remote controller on a wall, place where the indoor unit can receive signals when the fluorescent lamps in the room are lightened. Place, which is less affected by rain or direct sunlight and is sufficiently ventilated. Place, possible to bear the unit, where vibration and noise are not increased. Place, where discharged wind and noise do not cause a nuisance to the neighbors. Place, where a distance marked is available as illustrated in the above figure. Power Source Before inserting power plug into receptacle, check the voltage without fail. The power source is the same as the corresponding name plate. Install an exclusive branch circuit of the power. A receptacle shall be set up in a distance where the power cable can be reached.

Do not extend the cable by cutting it. Selection of pipe To this unit, both liquid and gas pipes shall be insulated as they become low temperature in operation. Use optional parts for piping set or pipes covered with equivalent insulation material. For 09 Liquid pipe (Gas pipe ()) 6.35mm(1/4") 9.52mm(3/8") For 12 6.35mm(1/4") 9.52mm(3/8") 2 Indoor unit 1.Fitting of the Mounting Plate and Positioning of the wall Hole When the mounting plate is first fixed 1.Carry out, based on the neighboring pillars or lintels, a proper leveling for the plate to be fixed against the wall, then temporarily fasten the plate with one steel nail.

2. Make sure once more the proper level of the plate, by hanging a thread with a weight from the central top of the plate, then fasten securely the plate with the attachment steel nail. 3. Find the wall hole location A using a measuring tape B= 60mm A=145mm When the mounting plate is fixed side bar and lintel Fix to side bar and lintel a mounting bar, Which is separately sold, and then fasten the plate to the fixed mounting bar. Refer to the previous article, " position of wall hole.

When the mounting plate is first fixed ", for the 2.Making a Hole on the Wall and Fitting the Piping Hole Cover Make a hole of 60 mm in diameter, slightly descending to outside the wall. Install piping hole cover and seal it off with putty after installation Indoor side Wall hole 60mm Outdoor side Thickness of wall (Section of wall hole) G Piping hole pipe 3.Installation of the Indoor Unit Drawing of pipe [Rear piping] Draw pipes and the drain hose, then fasten them with the adhesive tape [Left Left-rear piping] In case of left side piping, cut away, with a nipper, the lid for left piping. @@@@2.

@@@3. Coat the flaring seal face with refrigerant oil and connect pipes. @@When bending, be careful not to crash pipes. @@Move the body from side to side to verify its secure fixing. @@@@2. @@@@1. @@The type of connecting wire is H05/07RN-F or 245IEC57(YZW). 2. @@3.15A/250V.

3. The wiring method should be in line with the local wiring standard. 4. After installation, the power plug should be easily reached. 5. A breaker should be incorporated into fixed wiring. @@@@ Insert the cable according to terminal number in the same manner as the indoor unit. If wiring is not correct, proper operation can not be carried out and controller may be damaged. Fix the cable with a clamp. 4.

Attaching Drain-Elbow If the drain-elbow is used, please attach it as figure. (Note: Only for heat pump unit.) 6 Outdoor unit 5.Purging Method: Push the air out of the indoor unit and piping as follows: (1) Remove the valve cap on 2-way valve in outdoor unit. (2) Loosen by 1/2 turn the flare nut of gas pipe, which is connected to 3-way valve.

(3) Loosen 2-way valve by 90o using hexagon wrench, and after approx.10 sec tighten it up. Gas comes out through flare nut on wide pipe. If no gas is discharged, tighten flare nut with specified torque. (4) Open 2-way and 3-way valves using specified torque.

(5) Tighten the caps on the valves with specified torque. Tighten torque N.m Valve rod Valve cap 7-9 20-25 2-way valve 6.35mm(1/4") 3-way valve 9.52mm(3/8") When connecting pipe exceeds 5 meters, 20g refrigerant shall be added per exceeding meter. Charge according to the following list. for 9k 12k Piping length Additional amount 5m No need 7m 40g 10m 100g Outdoor unit Indoor unit Outdoor unit Max. Length: 10m A for 9K : A=7m for 12K : A=10m Oil trap Indoor unit Max.Elevation:5m CAUTION In case more than 5m Oil trap should be installed every 5~7m no more gas if the length of connecting pipe is less than 7m(9K) or 10m(12K). The height difference between any two indoor or outdoor units can not be more than 5m.

Note: When extending piping, air inside piping shall be removed by using external refrigerant gas, charge according to the following list. Brand new outdoor unit is charged 50g more refrigerant than regulated weight. Only for first installation, this extra 50g can be used to purge air in pipes. During this procedure, 50g refrigerant will be discharged in piping. @@@@ Please don't do the drainage as shown below. Less than 5cm It becomes high midway. The end is immersed in water. It waves. The gap with the ground is too small There is the bad smell from a ditch Please pour water in the drain pan of the indoor unit, and confirm that drainage is carried out surely to outdoor. In case that the attached drain hose is in a room, please apply heat insulation to it without fail.

Check for Installation and Test Run Put check mark in boxes Check Items for Test Run Please kindly explain to o.



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