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**ECO Systems** 

# Split Heat Pump Owner's Manual



Thank you for selecting an ECO heat pump split system.

To ensure many years satisfactory operation, this owner's manual should be read carefully before using the heat pump. After reading, store the manual in a safe place and refer to it for questions on use.

The ECO heat pump is intended for domestic and light commercial applications.

56208001-03

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### Preparation before use

Before using the air conditioner, be sure to check and pre-set the following:

• Remote controller pre-setting

See page 7 to configure to heat pump operation

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### Safety Precautions

Symbols used in this manual are as shown below:



Do not do this.



This is a feature, not a fault.



Pay attention to this situation.



This instruction must be followed.



Earthing (Grounding) is essential.



∕∖∖

Warning: Incorrect handling could cause serious hazard or injury.



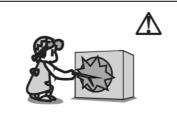
Power supply must be in accordance with the rating plate requirement. Failure to comply may result in serious faults, hazards or fire. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or other qualified personnel in order to avoid hazards.

Do not tangle, pull or stress the power

supply cord as damage may result in



Keep the power supply MCB or fuse clean. Ensure connections to the MCB or fuse are secure; failure to do so may result in electric shock or fire.



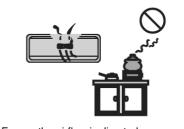
Never insert a stick or similar object into the unit. Such actions may lead to damage to the unit and injury.



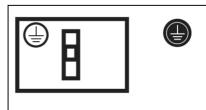
Don't use the power supply circuit breaker to turn the unit off. Don't pull the plug out using the cable.



It may prove harmful to your health if subjected to cool air for long periods. It is advisable to direct the airflow away from occupants and cool the room as a whole.

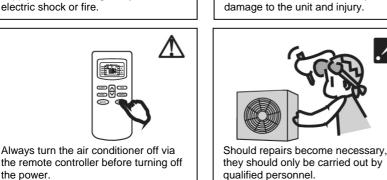


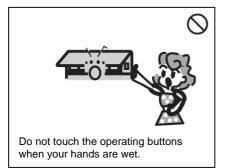
Ensure the airflow is directed away from gas burners and stoves.



The equipment must be earthed (grounded) in accordance with local regulations. Qualified personnel only should carry out electrical wiring.

Notes: 1. For the purpose of innovation and improvement, these products are subject to change without prior notice. 2. The air conditioner is not a toy, please keep children away from equipment!





the power.

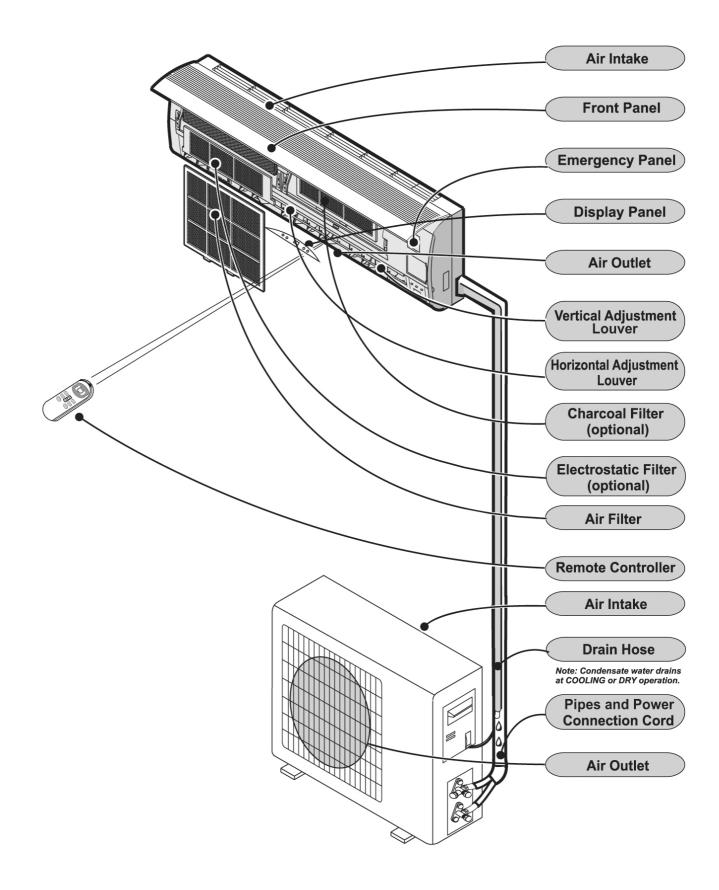


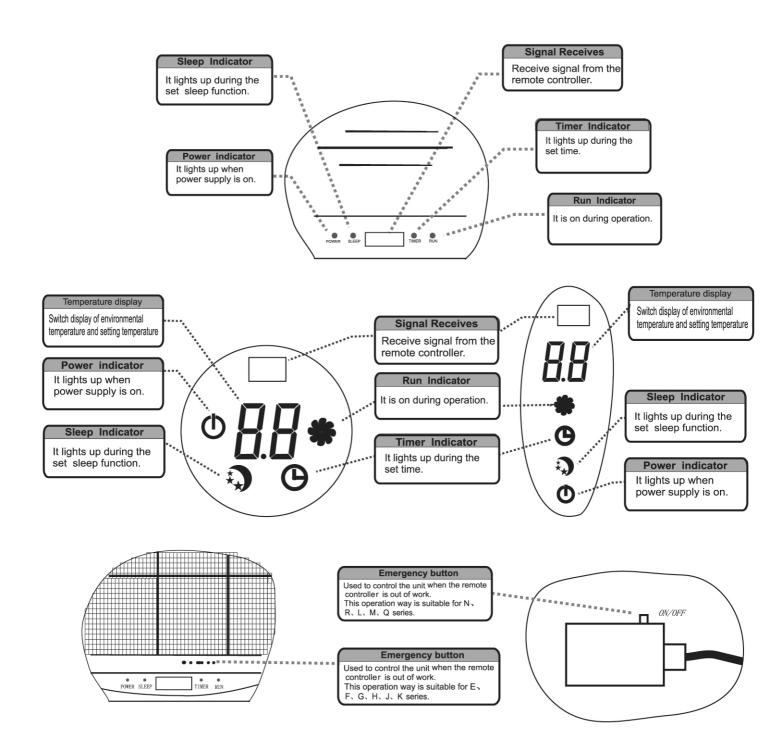
Do not put any objects on the outdoor unit or obstruct the airflow.

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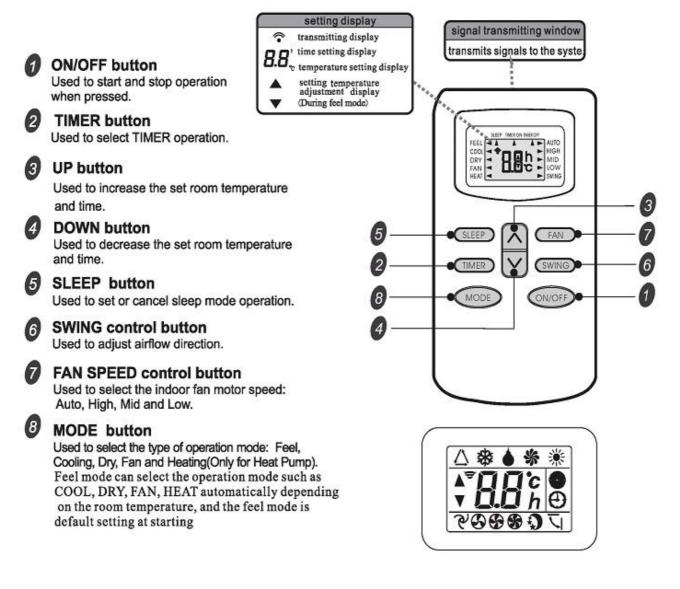
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### Identification of Parts





# Remote Controller



(See page 7 for battery replacement).

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# **Remote Controller**

#### How to insert batteries

Remove the battery cover by sliding in the direction of the arrow.

Insert new batteries (2 x AAA) making sure the polarity is correct

The remote controller will default to Heat Pump mode if no buttons are pressed for 10 seconds, at which point the 'Heat'/'Cool' flashing will stop.

#### Alternatively:

Press any button on the remote controller while "Heat" is indicated to preset the controller for Heat Pump operation.

#### Notes:

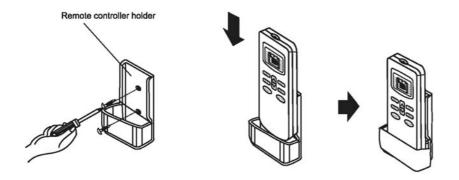
If the remote controller is preset for cooling only, heating commands will not be possible.

Use 2 LR03 AAA (1.5volt) batteries. Do not use rechargeable batteries. Replace batteries with new ones of the same type when the display becomes dim.

Re-attach the battery cover by sliding it back into position.

### Storage tips for using the Remote Controller

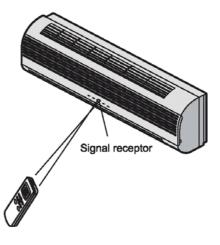
The remote controller may be stored on a wall with a holder.



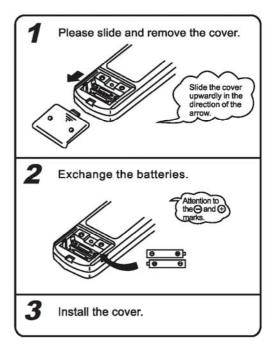
#### Using the remote controller

To operate the Eco heat pump, point the controller at the receiver in the middle of the unit.

The controller will operate up to 7m away from the unit if pointed directly at the receiver.



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# **Operating Instructions**

### FEEL mode operation procedure

With the remote controller pointing towards the air conditioner:

Turnina on

Press ONOFF button, when the appliance receives the signal, the RUN indicator of the indoor unit lights up.

When the unit is not at FEEL mode.

Selecting FEEL mode

Press the MODE select button.

Move the MODE to the FEEL position.

peration mode and temperature are determined by indoor temperature				
Indoor temperature	Operation mode	Target temperature		
Less than 20ீ்	HEATING (FOR HEAT PUMP TYPE) FAN (FOR COOL ONLY TYPE)	<b>23</b> °C		
<b>20℃~26</b> ℃	DRY	<b>18</b> ℃		
<b>Over 26</b> °C	COOLING	<b>23</b> ℃		

Air temperature adjustment is possible even during FEEL operation. There are 6 levels of adjustment possible with the button or the V button.

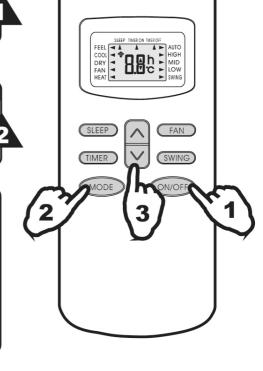
#### Setting temperature

Press the  $\checkmark$  button or the  $\checkmark$  button. When the A button is pushed, the temperature will increase 1°C . After temperature will increase 2°<sup>°</sup>, the indicator will not change. When the  $\checkmark$  button is pushed, the temperature will reduce 1°<sup>c</sup> . After temperature reduce 2 °C, the indicator will not change.

Note: There will be a delay when changing mode during unit operation.

The fan may stop during the changeover

If you don't like FEEL mode, try changing to HEATING, DRY or COOLING instead.



The operation of the AUTO mode can be performed by only pressing the ON/OFF button from the next time.

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# **Operating Instructions**

### TIMER mode

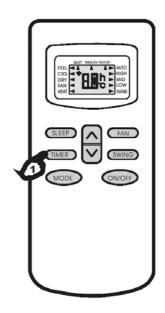
The timer may be set to start the system operation during your absence, to create comfortable conditions on your return.

It can also be set to turn the system off after a programmed delay, eg when you go to bed.

Timer-setting

When the remote controller is off, press the TIMER button to set a switch-on timer, press again ,the setting will be cancel. When the remote controller is on, press the TIMER button to set a switch-off timer, press again ,the setting will be cancel.

Press UP and DOWN button to set time. Time setting is 30-minutes.

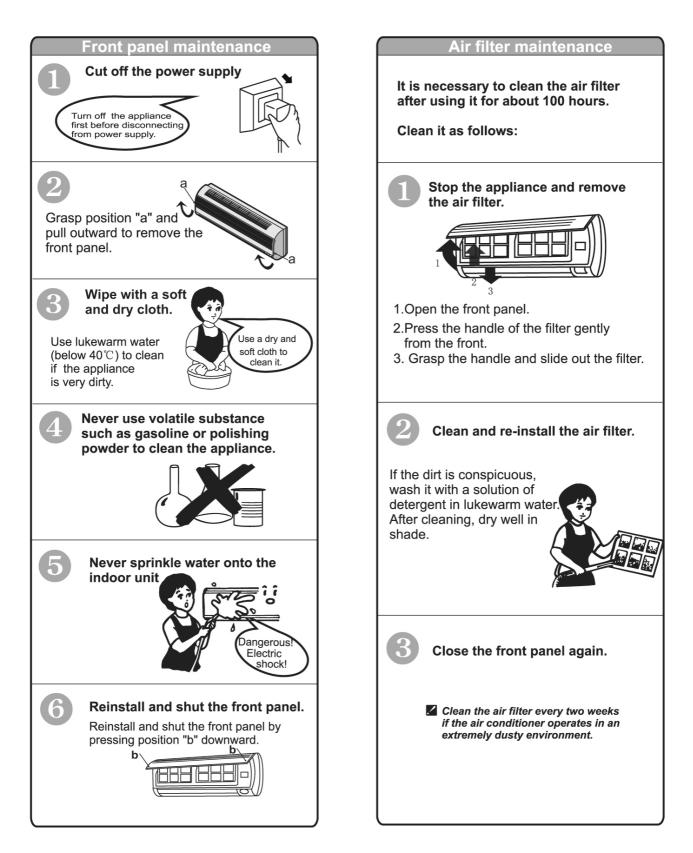


Note: After setting the timer, check that the TIMER INDICATION light is visible on the indoor unit.

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### Maintenance



### Protection

	Operating condition	Noise pollution
the appli HEATING COOLING DRY * For Tropic temperatu If the air co door or win	ective device may trip and stop iance in the cases listed below. Outdoor air temperature is over 24°c Outdoor air temperature is below -7°c Room temperature is over 27°c	<ul> <li>Install the air conditioner at a place that can bear its weight in order to operate more quietly.</li> <li>Install the outdoor unit at a place where the air discharged and the operation noise would not annoy your neighbours.</li> <li>Do not place any obstacles in front of the air outlet of the outdoor unit lest it increases the noise level.</li> </ul>
	Features of protector	Inspection
<ul> <li>Resta stops need t</li> <li>Conne the un later.</li> <li>If all c buttor</li> </ul>	rotective device will work as follows. rting the unit at once after operation or changing mode during operation, you to wait 3 minutes. ect to power supply and turn on hit at once, it may start 20 seconds operation has stopped, press <b>ON/OFF</b> n again to restart. 'should be set again if it has been	<ul> <li>After using for a long time, the air conditioner should be inspected on the following items.</li> <li>Overheat of the power supply cord and plug or even a burning smell.</li> <li>Abnormal operating sound or vibration.</li> <li>Water leakage from indoor unit.</li> <li>Metal cabinet electrified.</li> <li>Stop the air conditioner if above occurs. It is advisable to have a detail inspection after using it for 5 years even if none of the above occurs.</li> </ul>
cance	elled.	
	Features of HE	ATING mode

#### Preheat

At the beginning of **HEATING** operation, the airflow from the indoor unit is discharged 2-5 minutes later.

### Afterheat

After the finishing of **HEATING** operation, the airflow from the indoor unit is discharged 2-5 minutes.

### Defrost

In **HEATING** operation the appliance will defrost (de-ice) automatically to raise efficiency. This procedure usually lasts 2-10 minutes. During defrosting, fans stop operation. After defrosting completes, it returns to **HEATING** mode automatically.

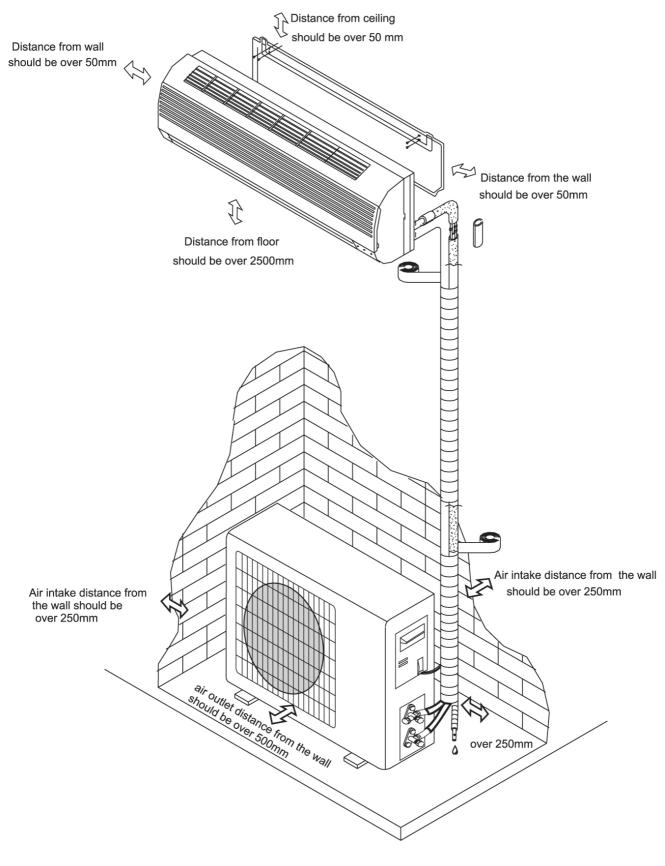
Note: Heating is NOT available for cooling only air conditioner models.

# Troubleshooting

The following examples may not always be due to a malfunction; please check before calling an engineer.

Trouble		Analysis
Does not run (		<ul> <li>If the plug is not properly plugged.</li> <li>If batteries in the remote controller are exhausted.</li> <li>If the protective device works to protect the appliance.</li> <li>If the protector trip or fuse is blown.</li> </ul>
No cooling or heating air	Ĵ.	<ul> <li>Are the intakes and outlets of the air conditioner blocked?</li> <li>Is the temperature set properly?</li> <li>Is the air filter dirty?</li> </ul>
Ineffective control		• If strong interference(from excessive static electricity discharge, power supply voltage abnormality)presents, operation will be abnormal. At this time, disconnect from the power supply and connect back 2-3 seconds later.
Does not operate immediately	doesn't run	<ul> <li>Changing mode during operation, 3 minutes will delay.</li> </ul>
Peculiar odour		• This odour may come from another source such as furniture, cigarette etc, which is sucked into the unit and blows out with the air.
A sound of flowing water		<ul> <li>Caused by the flow of refrigerant in the air conditioner, not a problem.</li> <li>Defrosting sound in heating mode.</li> </ul>
Cracking sound is heard		<ul> <li>The sound may be generated by the expansion or contraction of the front panel due to change of temperature.</li> </ul>
Spray mist from the outlet		<ul> <li>Mist appears when the room air becomes very cold because of cool air discharged from the indoor unit during COOLING or DRY operation mode.</li> </ul>
The compressor indicator(re and indoor fan stops.	d) lights on constantly,	• The unit is shifting from heating mode to defrost. The indicator lights will go off within ten minutes and unit will return to heating mode.

### **Typical installation:**



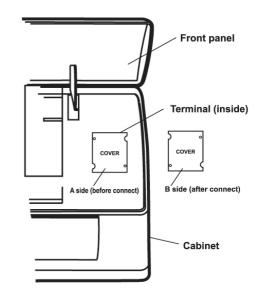
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#### **Connecting the cable**

#### Wiring between the indoor and outdoor units.

- Remove the PCB cover from the indoor unit;
- Refer to the wiring diagram attached to the indoor unit when connecting the cables to the indoor unit terminals;
- Reinstall the PCB cover. Be sure that side B is facing towards the outside.



Installation Diagram

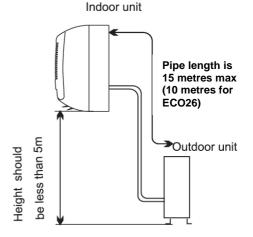


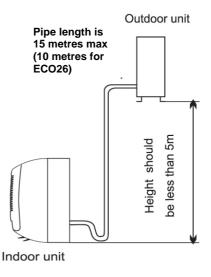
Selecting the best location

- Ensure there is no obstruction to the air outlet and air can be directed to all areas of the room.
- Ensure adequate access for pipe work.
- Space between ceilings and walls to be as in the diagram on page 13.
- Ensure the air filter can be easily removed.
- Install more than 1m away from electronic equipment such as televisions.
- Keep as far away as possible from fluorescent light fittings.
- Do not obstruct the return air inlet.
- Ensure the wall is strong enough to support the weight of the unit.

### Outdoor unit location.

- Install in a well-ventilated area with no obstructions to the air outlet.
- Ensure the distance from the rear of the unit to the wall is as per the diagram on Page 13.
- Install on a fixed base to prevent excessive vibration.



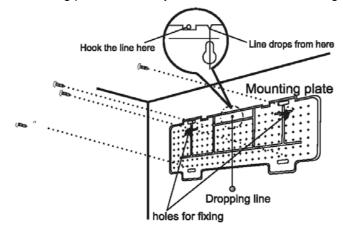


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Indoor unit installation

#### 1. Installing the mounting plate

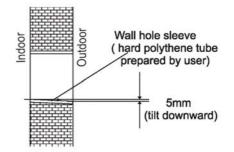
- Determine the location for the indoor unit.
- Place the mounting plate against the wall ensuring it is level.
- Mark the wall and drill holes to a depth of 32mm.
- Insert plastic plugs into the drilled holes and fix the mounting plate with screws.
- Ensure the mounting plate is securely fixed then drill a hole through the wall for the pipes.



(Note: The shape of the mounting plate may differ from that shown in the diagram but installation is similar).

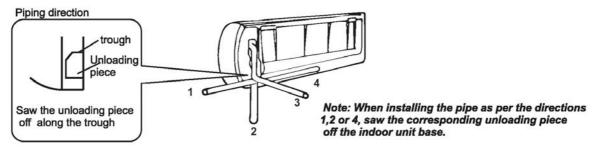
#### 2. Drill a hole for the pipes

- Determine the position for the pipework hole according to the location of the mounting plate.
- Drill a hole through the wall Ø50-75mm. The hole should slope down from inside to outside.
- Install a sleeve through the hole to protect both the pipes and the wall.



#### 3. Indoor unit pipework installation

- Run the pipework through the hole in the wall and connect to the indoor unit.
- If the pipework is to enter the indoor unit through the side, cut the unloading piece to suit as in the diagram below.



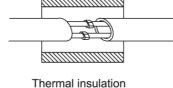
- After connecting the pipework, install and connect the drain hose, then connect the wiring.
- When all connections are made, wrap the pipes, cables and drain hose together with thermal insulation tape.

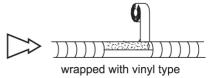
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### NOTE

• **Pipework joints - thermal Insulation:** Insulate the interconnecting pipework with thermal insulation and tape any joints.





Thermal insulation

Small

pipe

tube

Drain hose

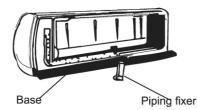
(prepared by user)

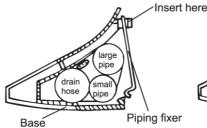
#### • Pipework - Thermal Insulation:

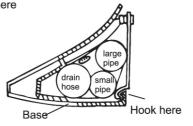
- a. Run the drain hose under the pipework.
- b. Insulate with at least 6mm thick insulation material. Note: The drain hose is supplied by the installer
- The drain hose should be installed with a fall away from the unit.
   Ensure there are no kinks in the drain hose Terminate the drain hose where it cannot become immersed in water.

Ensure any joints in the drain hose are well insulated.

• When the pipework is to be routed to leave the right hand side of the unit, pipes, drain hose and cables should be insulated as above and secured within the unit using the piping fixer.







#### • Pipework connection:

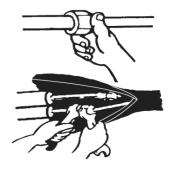
Finger-tighten indoor unit pipework, then use two spanners as table below.

Pay special attention to the allowable torques (as shown in the table) to prevent the pipes, connectors and flare nuts from being deformed and damaged.

Model	Liquid line	Suction line
ECO 26	1/4"	3/8"
ECO 35	1/4"	1/2"
ECO 50	1/4"	1/2"
ECO 70	3/8"	5/8"

Torque (kg/m) Nut A/F (		F (mm)	
Liquid line	Suction line	Liquid line	Suction line
1.8	3.5	17	22
1.8	5.5	17	24
1.8	5.5	17	24
3.5	7.5	22	27





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Large pipe

Power cord 1

(for heat-pump)

Power cord

Defrost cable(for heat-pump)

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Tel: 01823 665660

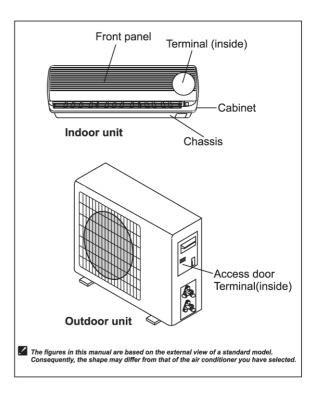
#### 4. Connecting the cable

Indoor unit

Connect the power cable to the terminals on the control board on the indoor unit.

Note: For some models it is necessary to remove the cabinet to connect to the indoor unit terminal.

- Outdoor unit
  - 1. Remove the access panel. Connect the cables to the control board terminals.
  - 2. Secure the power cable to the control board with the cable clamp.
  - 3. Refit the access panel.



#### Caution:

- 1. Always provide a dedicated MCB or fuse.
- 2. Follow the wiring diagram on the inside of the access door.
- 3. Use the correct cable sizes, as table below.
- 4. Check all terminations are secure.
- 5. Use of an earth leakage circuit breaker is recommended.

Model	Power cable	Interconnecting power cable	Interconnecting signal cable	Defrost cable
ECO 26	1.0mm <sup>2</sup> x 3core #	0.75mm <sup>2</sup> x 3core	0.75mm² x 2core	
ECO 35	1.0mm <sup>2</sup> x 3core #	0.75mm <sup>2</sup> x 3core	0.75mm² x 2core	
ECO 50	1.5mm² x 3core #	0.75mm <sup>2</sup> x 3core	0.75mm² x 2core	0.5mm² x 2core
ECO 70	2.5mm <sup>2</sup> x 3core **		0.75mm² x 6core	0.5mm² x 2core

Cable specifications

# Connected to indoor unit.

\*\* Supplied loose - Connect to outdoor unit.

### **Outdoor unit installation**

#### 1. Install the drain port and drain hose. Condensate will drain from the outdoor unit when it operates in heating mode. In order to protect the environment and prevent hazardous conditions, install a drain port and hose to direct the condensate to a suitable drain.

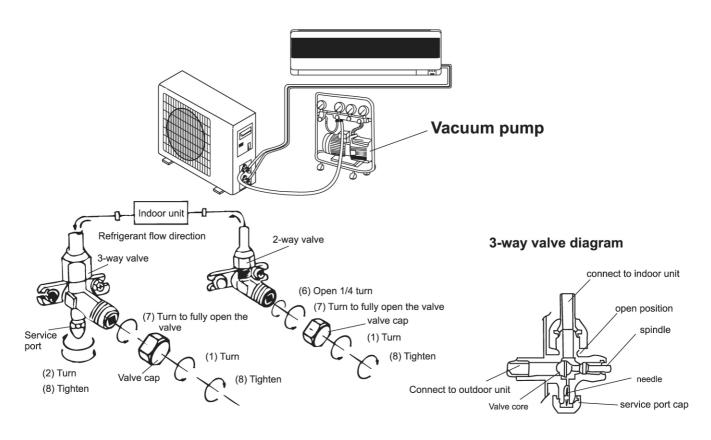
#### 2. Install and fix the outdoor unit. Fix with rawlbolts (or similar) to a flat surface that is strong enough to bear the weight of the unit. Alternatively use wall mounting brackets (55021100)

#### 3. Pipework connections.

Remove the valve caps from the 2-way and 3-way valves. Connect the pipes to the relevant valve and tighten to the correct torque. See page 16 Drain port

#### **Evacuation**

The system must be evacuated prior to being operated.



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#### How to evacuate the system:-

- 1. Unscrew and remove caps from 2 and 3 way valves.
- 2. Unscrew and remove cap from service port.
- 3. Connect vacuum pump flexible hose to the service port.
- 4. Start vacuum pump and run until a vacuum of 10mm Hg absolute is reached.
- 5. With vacuum pump still running close the low-pressure valve on the gauge manifold. Then stop the vacuum pump.
- 6. Open the 2 way valve ¼ turn then close it after 10 seconds. Check tightness of all joints using liquid soap or an electronic leak detector.
- 7. Turn 2 and 3 way valves to the fully open position. Disconnect vacuum pump flexible hose.
- 8. Replace and tighten all valve caps.

#### <u>NOTES</u>

- Please read this manual before installing and using the ECO heat pump system.
- Do not let air enter the refrigeration system or discharge refrigerant when moving the equipment.
- Test run the system after finishing the installation, and record details of its operation.
- The type of fuse used on the indoor unit controllers is 50T, with rating 3.15A,T, 250V.
- The system fuse is to be provided by the user according to the current at maximum power input. Use of an alternative over-current protective device is acceptable.
- The electrical isolator must be accessible after the installation of the appliance, to allow easy isolation.
   If not possible, connect the supply via a double pole isolator with contact separation of at least 3mm, placed where it is accessible following completion of the installation.

Model				<u>inical specif</u>			
			ECO 26	ECO 35	ECO 50	ECO 70	
Indoor unit Part No.			56200001	56200003	56200005	56200007	
Oudoor unit Part No.			56200002	56200004	56200006	56200008	
Controller type				Rer	note		
Nominal cooling capacity		Btu/h (kW)	9000 (2.6)	12000 (3.5)	18000 (5.3)	24000 (7.0)	
Nominal heating capacity		Btu/h (kW)	9500 (2.8)	12500 (3.7)	19000 (5.6)	26000 (7.6)	
Moisture removal		L/h	1	1.3	2	2.6	
Indoor noise level in cooling	High	dB(A)	36	38	42	49	
-	Med.	dB(A)	34	36	40	47	
	Low	dB(A)	32	34	38	45	
Outdoor noise level		dB(A)	54	55	58	58	
Electrical Data							
Power supply				220-240V /	50Hz / 1Ph		
Voltage Range V		198~264	198~264	198~264	198~264		
Refrigerant circuit			-				
Refrigerant				R4	10A		
Charge		(g)	540g	730g	1400g	1720g	
				_			
Compressor	Туре			Ro	tary		
	Model		PA108X1C-4DZ or ASG108CV-B6DT	PA145X2C-4FT	ASH218SV-C8LU	PA290X3CS- 4MU1	
						4001	
	LRA	А	18	26	40	61	
Evaporator			Louvred fin, grooved tube (Ø7)				
Condenser			Louvred or corruga	ted fin, grooved tub	e (Ø7 or Ø9.52)		
Expansion device			Capillary tube				
Defrosting system			Microcomputer con	trolled reverse cycle	9		
Fans							
Indoor airflow (cooling)		m³/s	0.12/0.11/0.09	0.15/0.13/0.11	0.22/0.20/0.17	0.31/0.28/0.24	
Indoor fan type				Cros	sflow		
Indoor fan speed H/M/L	Cooling	rpm	1150/1050/950	1270/1170/1000	1060/970/880	1330/1230/1150	
	Heating	rpm	1150/1050/950	1250/1150/1000	1060/970/880	1330/1230/1150	
	Dry	rpm	950	1000	880	1150	
	Sleep	rpm	950	1000	880	1150	
Indoor fan motor output		W	12	12	22	35	
						00	
Outdoor fan type				Prop	beller		
Outdoor fan type Outdoor fan speed		rpm	860	Prop 850	eller 850	850	
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		rpm W		850			
Outdoor fan speed			860 31		850	850	
Outdoor fan speed Outdoor fan motor output Connections	Suction	W	31	850	850	850 76	
Outdoor fan speed Outdoor fan motor output	Suction Liquid	W	31 3/8"	850 45 1/2"	850 45	850 76 5/8"	
Outdoor fan speed Outdoor fan motor output Connections Connecting Pipe	Liquid	W Inches Inches	31 3/8" 1/4"	850 45 1/2" 1/4"	850 45 1/2" 1/4"	850 76 5/8" 3/8"	
Outdoor fan speed Outdoor fan motor output Connections Connecting Pipe Interconnecting wiring	Liquid Size x C	W	31 3/8"	850 45 1/2" 1/4" 1.5 x3; 0.75 x2	850 45 1/2"	850 76 5/8"	
Outdoor fan speed Outdoor fan motor output Connections Connecting Pipe	Liquid Size x C	W Inches Inches ore number	31 3/8" 1/4"	850 45 1/2" 1/4" 1.5 x3; 0.75 x2	850 45 1/2" 1/4" 1.5 x3; 0.75 x2	850 76 5/8" 3/8"	
Outdoor fan speed Outdoor fan motor output Connections Connecting Pipe Interconnecting wiring Condensate drain pipe O.D Other	Liquid Size x C	W Inches Inches ore number mm	31 3/8" 1/4"	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 1	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 6	850 76 5/8" 3/8" 0.75 x6	
Outdoor fan speed Outdoor fan motor output Connections Connecting Pipe Interconnecting wiring Condensate drain pipe O.D	Liquid Size x C	W Inches Inches ore number	31 3/8" 1/4" 1.0 x3; 0.75 x2 9~16	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 1 15~23	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 6 20~35	850 76 5/8" 3/8" 0.75 x6 30~50	
Outdoor fan speed Outdoor fan motor output Connections Connecting Pipe Interconnecting wiring Condensate drain pipe O.D Other Typical area served Unpacked dimensions	Liquid Size x C Indoor	W Inches Inches ore number mm mm	31 3/8" 1/4" 1.0 x3; 0.75 x2 9~16 718 x 240 x 80	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 1 15~23 770 x 240 x 180	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 6	850 76 5/8" 3/8" 0.75 x6 30~50 1033 x 313 x 202	
Outdoor fan speed Outdoor fan motor output Connections Connecting Pipe Interconnecting wiring Condensate drain pipe O.D Other Typical area served Unpacked dimensions (W x H x D)	Liquid Size x C	W Inches Inches ore number mm mm mm	31 3/8" 1/4" 1.0 x3; 0.75 x2 9~16	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 1 15~23	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 6 20~35 1033 x 313 x 202	850 76 5/8" 3/8" 0.75 x6 30~50	
Outdoor fan speed Outdoor fan motor output Connections Connecting Pipe Interconnecting wiring Condensate drain pipe O.D Other Typical area served Unpacked dimensions	Liquid Size x C Indoor Outdoor Indoor	W Inches Inches ore number mm mm kg	31 3/8" 1/4" 1.0 x3; 0.75 x2 9~16 718 x 240 x 80 700 x 552 x 256 7	850 45 1/2" 1.5 x3; 0.75 x2 1 15~23 770 x 240 x 180 760 x 552 x 256 8	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 6 20~35 1033 x 313 x 202 760 x 552 x 256	850 76 5/8" 3/8" 0.75 x6 30~50 1033 x 313 x 202 860 x 660 x 307 14	
Outdoor fan speed Outdoor fan motor output Connections Connecting Pipe Interconnecting wiring Condensate drain pipe O.D Other Typical area served Unpacked dimensions (W x H x D) Net weight	Liquid Size x C Indoor Outdoor Indoor Outdoor	W Inches Inches ore number mm mm kg kg kg	31 3/8" 1/4" 1.0 x3; 0.75 x2 9~16 718 x 240 x 80 700 x 552 x 256 7 32	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 1 15~23 770 x 240 x 180 760 x 552 x 256 8 34	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 6 20~35 1033 x 313 x 202 760 x 552 x 256 14 4 42	850 76 5/8" 3/8" 0.75 x6 30~50 1033 x 313 x 202 860 x 660 x 307 14 56	
Outdoor fan speed         Outdoor fan motor output         Connections         Connecting Pipe         Interconnecting wiring         Condensate drain pipe O.D         Other         Typical area served         Unpacked dimensions         (W x H x D)         Net weight         Packed dimensions	Liquid Size x C Size x C Undoor Indoor Outdoor Indoor	W Inches Inches ore number mm mm kg kg kg mm	31 3/8" 1/4" 1.0 x3; 0.75 x2 9~16 718 x 240 x 80 700 x 552 x 256 7 32 805 x 325 x 270	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 1 15~23 770 x 240 x 180 760 x 552 x 256 8 34 863 x 325 x 270	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 6 20~35 1033 x 313 x 202 760 x 552 x 256 14 42 1103 x 395 x 292	850 76 5/8" 3/8" 0.75 x6 30~50 1033 x 313 x 202 860 x 660 x 307 14 56 1103 x 395 x 292	
Outdoor fan speed Outdoor fan motor output Connections Connecting Pipe Interconnecting wiring Condensate drain pipe O.D Other Typical area served Unpacked dimensions (W x H x D) Net weight Packed dimensions (W x H x D)	Liquid Size x C Size x C Undoor Outdoor Indoor Outdoor Outdoor	W Inches Inches ore number mm mm kg kg mm mm mm	31 3/8" 1/4" 1.0 x3; 0.75 x2 9~16 718 x 240 x 80 700 x 552 x 256 7 32 805 x 325 x 270 803 x 598 x 380	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 1 15~23 770 x 240 x 180 760 x 552 x 256 8 34 863 x 325 x 270 863 x 620 x 376	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 6 20~35 1033 x 313 x 202 760 x 552 x 256 14 42 1103 x 395 x 292 863 x 620 x 376	850 76 5/8" 3/8" 0.75 x6 30~50 1033 x 313 x 202 860 x 660 x 307 14 56 1103 x 395 x 292 990 x730 x 415	
Outdoor fan speed         Outdoor fan motor output         Connections         Connecting Pipe         Interconnecting wiring         Condensate drain pipe O.D         Other         Typical area served         Unpacked dimensions         (W x H x D)         Net weight         Packed dimensions	Liquid Size x C Size x C Undoor Outdoor Indoor Outdoor Indoor Outdoor	W Inches Inches ore number mm mm kg kg mm kg mm kg kg	31 3/8" 1/4" 1.0 x3; 0.75 x2 9~16 718 x 240 x 80 700 x 552 x 256 7 32 805 x 325 x 270 803 x 598 x 380 10	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 1 15~23 770 x 240 x 180 760 x 552 x 256 8 34 863 x 325 x 270 863 x 620 x 376 11	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 6 20~35 1033 x 313 x 202 760 x 552 x 256 14 42 1103 x 395 x 292 863 x 620 x 376 17	850 76 5/8" 3/8" 0.75 x6 30~50 1033 x 313 x 202 860 x 660 x 307 14 56 1103 x 395 x 292 990 x730 x 415 17	
Outdoor fan speed Outdoor fan motor output Connections Connecting Pipe Interconnecting wiring Condensate drain pipe O.D Other Typical area served Unpacked dimensions (W x H x D) Net weight Packed dimensions (W x H x D)	Liquid Size x C Size x C Undoor Outdoor Indoor Outdoor Outdoor	W Inches Inches ore number mm mm kg kg mm kg mm kg kg	31 3/8" 1/4" 1.0 x3; 0.75 x2 9~16 718 x 240 x 80 700 x 552 x 256 7 32 805 x 325 x 270 803 x 598 x 380 10 35	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 1 15~23 770 x 240 x 180 760 x 552 x 256 8 34 863 x 325 x 270 863 x 620 x 376 11 38	850 45 1/2" 1/4" 1.5 x3; 0.75 x2 6 20~35 1033 x 313 x 202 760 x 552 x 256 14 42 1103 x 395 x 292 863 x 620 x 376	850 76 5/8" 3/8" 0.75 x6 30~50 1033 x 313 x 202 860 x 660 x 307 14 56 1103 x 395 x 292 990 x730 x 415 17 63	

### 562 series Eco units - technical specifications

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