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AIRREX AIR CONDITIONER

USER' S MANUAL

HSC-2500 / HSC-3500

- Thank you for purchasing an AIRREX AIR CONDITIONER. BEFORE operation please read this user's manual carefully.
- ▶ Keep this manual readily available.
- It is ESSENTIAL that you read the 'NOTES ON SAFETY' carefully before use and follow them at all times.
- ► This Air Conditioner is specified for use on a 220~240Va.c. 60Hz. single phase power supply. You must check that the local electricity supply is the same and have the appropriate plug fitted by a qualified electrician.
- The Warranty form is on Page 15. Please complete it now and keep in a safe place.
- We have a policy of continual improving to our products. The contents (features and specifications) in this manual are therefore subject to change without notice.







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SAFETY INSTRUCTIONS

The following instructions are for ensuring the user's safety and to prevent any physical injury or material damage. Please read carefully and follow all instructions. There are two sections to these instructions: WARNING and CAUTION.

The following symbols are for your guidance:

 $\boxed{}$ = You must NOT. $\boxed{}$ = You MUST.

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\checkmark	Use a 220~240Va.c. 60Hz. 1 Phase power supply only. (Wrong supply may cause a fire and / or shock hazard)
\checkmark	Securely plug into an earthed supply. (Unless earthed, may cause electric shock)
\times	Do not use a damaged power cable, plug or socket. (Short, fire or shock hazard)
\times	Do not remove plug by pulling cable or with wet hands. (Risk of fire and electric shock)
\checkmark	Before cleaning, remove plug from socket. (Otherwise risk of electric shock)
\times	Do not place anything on top of the machine. (This could cause electric shock, malfunction or injury)
\times	Do not use an extension lead unless of the approved type. (Risk of fire and / or electric shock)
\checkmark	Ensure mains plug is clean and securely plugged in. (Otherwise it may short causing smoke and fire)
\times	Do not 'kink' or sharply bend the power cable nor put any weight on it. (The insulation may be damaged causing fire and/ or electric shock)
\times	Do not turn off by removing power plug. Always turn off at control panel first. (Risk of electric shock and / or malfunction)
\times	Do not use this cooler on unstable or inclined surfaces. Always use on solid flat floor. (Risk of falling causing injury, fire or malfunction)

Keep this manual in a visible location near the cooler for easy reference.



SAFETY NOTICE

CAUTION

Do not place cooler on uneven, unstable or inclined surface. $\left| \times \right|$ (This could cause malfunction) When storing the cooler, ensure that it is kept in a dry, cool place. \bigvee (To prevent corrosion and malfunction) If not being used for some time or if lightening is present, always unplug |from power. (To prevent risk of electric shock, short circuit or fire) Do not spray water on to the cooler nor use solvents such as benzene, thinner or |X|alcohol for cleaning. (There is a risk of electric shock and / or short circuit) If the power cable is damaged this must be replaced by a fully qualified \checkmark electrician. (To avoid danger of electric shock, short circuit or fire)

GENERAL ADVICE BEFORE USE

- · Ensure the safety of the location in which cooler is to be used.
- \cdot Ensure the floor or ground is smooth and sound.
- \cdot Ensure you allow at least 50cm air space all around the cooler.
- \cdot When in position LOCK the casters to prevent rolling.
- \cdot Never use the cooler at more than 2° incline

FOR MAXIMUM EFFICIENCY

- · In airtight areas use vertical exhaust into ceiling.
- · If possible locate exhaust outlet through a window or door to outside.
- · Exhaust ducting should be no longer than 2m for maximum efficiency.
- · Ensure correct electricity supply.
- The proper electricity is 220~240Va.c. / 50Hz. It will be applied and adjusted as per customer's request.

You must supply power as per it's requirement only once it is adjusted.



EXTERIOR DESCRIPTION

FRONT VIEW



BACK VIEW





EXTERIOR DESCRIPTION





OPERATION

RUNNING & STOP





SELECTION of AREA/ROOM or SPOT COOLING

To reduce the temperature of the entire room select 'Area/Room'. For 'targeted' cooling of machinery, servers, or people etc. select 'Spot Cooling'.





TEMPERATURE CONTROL OPERATION





HOW TO SET THE 'OFF' TIMER.

This function enables you to set the length of time you want the cooler to operate. You can set the time period from 30min, to 24 hours in 30min, and 1 hour increments.





'ERROR' and WARNING INDICATORS

The machine's safety devices will automatically signal any problems via the display window on the control panel. The information below shows how to read these signals.

Room/Spot Temp. C Water Full Setting Temp.	 WATER FULL- Display shows "FU" When the water container is full, "FU" is displayed and the LED "Water Full" light will be on.
Align Drain Tank	 ALIGN WATER TANK If the water tank is not positioned correctly, the LED "Align Drain Tank" light will be on.
Room/Spot Temp. °C	 HIGH PRESSURE 'E1' is displayed and the 'Error' LED will be on when the pressure of the compressor is too high and the high pressure switch is open.
Room/Spot Temp. °C	 LOW PRESSURE 'E2' is displayed and the 'Error' LED will be on when the pressure of the compressor is too low and the low pressure switch is open.
RoomiSpot Temp.	5. SENSOR PROBLEM If the thermistor is short circuited or cut, 'E3' is displayed and the 'Error' LED will be on.
Room/Spot Temp. C	 ANTI FREEZING When the temperature of the evaporator is below -2°C, 'AF' is displayed and the 'Error' LED will be on.



CLEANING AND MAINTENANCE

CLEANING THE AIR FILTERS



MAINTENANCE



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TROBULE SHOOTING

TROUBLE	CHECK	REMEDY
NOT	Power plug correctly connected	 Connect plug correctly
WORKING	• POWER button "OFF"	Press POWER button to "ON"
	 Blown fuse in electric panel 	● Replace fuse
	 Fuse (supply) blown 	• Exchange fuse in board
	 Breaker on switch board tripped 	Check load capacity and reset
	 Ambient temp. too high (over 45°C) (HSC-3500 : 40°C) 	 Use only below 45°C (HSC-3500 : 40°C)
POOR COOLING	 Filter blocked with dust 	● Clean Filter
OOOLING	Dust in heat exchanger	Clean heat exchanger
	Obstacle against inlet side	Remove and allow 50cm.clearance
	 Ambient temp. too high (over 45°C) (HSC-3500 : 40°C) 	● Use only below 45°C (HSC-3500 : 40°C)

ACCESSORIES

	ITE	M		MODEL HSC-2500/HSC-3500	DRAWING
	DUCT	Diam.	0.5m	\checkmark	
	DUCT	125mm	3m	OPTION	
COLD AIR		UCT COVEI SHING COLI		\square	
OUTLET		AMPER BAS CONTROL		\checkmark	
		MINIUM FIL CASSETTE	TER	$\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{$	
HOT AIR	REDUCER	DUCT	ES EXH. FROM o 30cm	OPTION	
EXHAUST		MINIUM FIL CASSETTE	TER	\checkmark	



SPECIFICATIONS

Model		HSC-2500	HSC-3500
Cooling Capacity	BTU/h kW	21,000 (6.15)	25,000 (7.33)
Power Supply		220~240Va.c.	50Hz. 1Ph.
Dimensions	mm.	490 X 600	X 1,303
Weight	Kg	86	90
Evaporator Air Flow	ft³/m (m³/m)	459 (11–13)	565 (14–16)
Noise Level (at 1m.)	Db/a	68	69
Power Consumption	kW.	2.41	2.6
Current Consumption	Amp.	11	13
Refrigerant(R-407C)	grm	890	1,200
Air Filter	•	Aluminium Mes	sh Cartridge
Safety Devices		 High Pressure Switch 3 min. delay timer. Thermostat and relief valve for comp Auto 'Full Tank' shut off. 	 Low Pressure Switch Fan motor protection Tank position indicator.
Power Cable	DEVICE	Plu	g
	Length	3 me	eters
Operating Range		22°C to 45°C (HSC-350	0:22℃ to 40℃)
High Pressure	kgf/cm ²	26	
Low Pressure	kgf/cm ²	5	
Max. Duct Length (Either hot or cold, not	Cold Duct(m)	9	12
both together in use)	Hot Duct(m)	Option	nal
Fuse in power box in Machine body		250 Va.c.	5amp.

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		RANTY
(App	plicable to first	retail purchaser only)
he more they are u	used. They are built u	eliable performance, comfort and durability under a strict quality assurance regime nd after production and exhaustive
distributor. If the pro	oblem is as a result of charge during the	lems, please contact your dealer or of a production fault or failure, repairs will a period of warranty subject to the
. The warranty peri	iod is 12 months fron	n the date of first purchase.
	s been caused by c repairs will be charg	ustomer error or misuse, abuse or ged for.
3. This warranty app	plies to your country	
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• Designs and specifications of products are subject to change without prior notice for the improvement of products.