

## 2133/01 SPLIT AIR CONDITIONER AVALANCHE

### BASIC SAFETY

Before using this equipment and to avoid personal injury, carefully read and understand these instructions. If there is anything you do not understand, **DO NOT** use this equipment; contact the hire company for advice.

Make sure you are aware of all safety requirements and that this equipment is suitable for the task you wish to undertake.

The work area must be cordoned off from the general public and bystanders.

This equipment must not be operated by persons who are under the influence of alcohol or drugs. Do not use this equipment if you are tired or unwell.

**This equipment must only be used by persons who are medically fit to do so. If you have any medical condition, are recovering from any medical condition or suffer from any mental or physical disability, you MUST seek professional medical advice before using this equipment.**

You **MUST** perform a risk assessment before using this equipment to ensure your safety and the safety of others.

Do not wear loose jewellery or clothing that may get in the way or become trapped in the equipment.

Inform everyone in the area of what you are doing.

#### DAMAGE RISK

**Never place the Air Conditioner or its components on any surface, which may be damaged by heat, cold or water.**

Always operate, store and transport this equipment in an upright position.

Do not cover this equipment or obstruct its air intake or outlet.

**GET FAMILIAR!** You must understand how to switch this machine **OFF** quickly in case of an emergency.



**This equipment weighs in excess of 25KG; do not attempt to lift it.**

Make sure that all guards are present and correctly fitted.

Do not lift or move the unit by its power supply cable or umbilical cord.

Always switch **OFF** the Air Conditioner and isolate it from the power supply before cleaning, making adjustments or when left unattended.

Carefully inspect the equipment before use, if there is any doubt about its conditions, **DO NOT USE IT.**

### ELECTRICAL SAFETY

The hirer is responsible for providing an adequate electrical supply on site for the amount of equipment being connected to the supply. Check the voltage is correct and that the supply can deliver the current required for the equipment (the power requirements of the equipment will be shown on its rating plate).

## PREPARATION

Choose a location for the main unit where the floor is level and stable. Make sure that the power supply is within easy reach.

The outdoor unit must be sited outdoors and close to the indoor unit where it will be absolutely level. The top of the outdoor unit must not be positioned more than 1.8m higher than the top of the indoor unit.

The best position would be on a windowsill or a balcony.

Keep a minimum 300mm space around the indoor unit for good air circulation. **DO NOT** cover the unit's ventilation slots. During use, condensed water is ejected from the outdoor unit and this must be taken into account when positioning.

## SETTING UP THE AIR CONDITIONER

### OUTDOOR UNIT

Place on a suitable surface which is capable of supporting its weight and where it will be kept level. Secure the unit so that it cannot be knocked or pushed over.

It must be outdoors but close enough to the indoor unit without placing the umbilical cords under strain.

### INDOOR UNIT

Position the unit as required but close enough to the outdoor unit without placing the umbilical cords under strain.

Lock all castors.

Check that the flow of air from the indoor unit will not disturb dust or paperwork. Make sure too that the air is **NOT** aimed directly at anyone, especially those wearing contact lenses, asthmatics and hay fever sufferers.



### CONNECTING THE UNITS

The indoor and outdoor units are connected to each other by electrical cable (to power the outdoor unit's fan) and flow and return water hoses.

Fittings are identical at each unit so the umbilical can be either way round.

### ELECTRICAL

Plug the lead into the socket at the rear of each unit. Secure in place by screwing the lock collar hand tight.

### WATER HOSES

Fitted with quick couplings, simply push the male and female together until they lock. To release, move the lock collar fully back and hold until the male is fully withdrawn. Please make sure the condensate drain is pushed in fully.

## OPERATING CONDITIONS

This Air Conditioner can be used in room temperatures between 21°C and 35°C.

The compressor **WILL NOT OPERATE** if the temperature is below approximately 21 °C, although the fans will, to allow for venting use.

If the room temperature is above 35 degrees the cooler **WILL NOT WORK** and you will have to reduce the room temperature below 35 degrees.

To reduce the temperature, open all available doors and windows. Then simply operate the Air Conditioner in fan only mode.



## CONTROLS



### FRONT CONTROL PANEL

<b>Green Light</b>	indicates that the socket is correctly inserted in a power plug.
<b>Main Switch</b>	allows to choose between: OFF position (nothing works) FAN position (only indoor fan works in pre-set speed) COOL position (the machine is cooling according with preset room temperature).
<b>Ambient Temperature Thermostat</b>	located in the front control panel allows to choose the desired room temperature with range 10-35 °C.
<b>Fan Speed Switch</b>	also located in the front control panel, allows to choose among 3 different internal fan speeds.
<b>Display PCB</b>	this display indicates the number of hours of compressor working. When machine is in defrost it shows "dEFr". When machine is in alarm, it indicates the type of alarm.
<b>General Alarm LED</b>	on if machine has an alarm
<b>ON/OFF LED</b>	it blinks if compressor is waiting to start, it's on if compressor is running. It's off if compressor is off (temperature in the room under the set point). In FAN mode, this led is always off.
<b>LPS Alarm LED</b>	on if machine exceeds the minimum value of low pressure.
<b>HPS Alarm LED</b>	on if machine exceeds the maximum value of high pressure.

## OPERATING THE AIR CONDITIONER

Having sited the Air Conditioner's indoor and outdoor units, leave everything to settle for a minimum of 15 minutes before starting.

Once ready, plug the unit into its power supply and switch the supply **ON**.

Turn the thermostatic control dial fully clockwise and set the cooling control (4) to **OFF**.

Set the **ON/OFF** switch to **ON** then switch the fan **ON** and select fan speed.

You can now set the cooling switch to **ON** and turn the thermostatic control fully anti-clockwise for maximum cooling.

There is a built in delay system that operates when first switched on, the compressor will not operate for approximately four minutes with an additional three minutes before the unit produces cool air (indicated by light 'A'). This delay occurs whenever the unit is switched **OFF** either at the mains supply, the **ON/OFF** switch or the thermostatic control.

Use the thermostatic control dial to alter the units cooling rate to suit your requirements.

## EQUIPMENT MAINTENANCE & CLEANING

When not being used, store the unit in a clean condition and in a safe place where it will be protected from frost or freezing conditions.

If the low-pressure or high-pressure warning lights illuminate, switch the cooler **OFF** and contact the hire company for advice.

## FINALLY

When you have finished, set the **ON/OFF** switch to **OFF**, then disconnect it from the power supply.

Leave the Air Conditioner for a minimum of 15 minutes before disconnecting the hoses and power cable between the units.

Finally, give the units a thorough clean ready for return.

### NOTE

Failure to clean the equipment thoroughly may make you liable to a cleaning charge.