# SEELEY INTERNATIONAL

# OWNER'S MANUAL
## MULTI CASSETTE

AUTO TURBO

SHIELD | MEMORY | MASTER | SAVE | E-HEATER | BLOW | CO₂ | QUIET

Braemar
By SEELEY INTERNATIONAL

Enter/Cancel ▲ Fan Mode

Function ▼ Timer On/Off

**(English) (MBHVD1S SERIES)**

Braemar
By SEELEY INTERNATIONAL
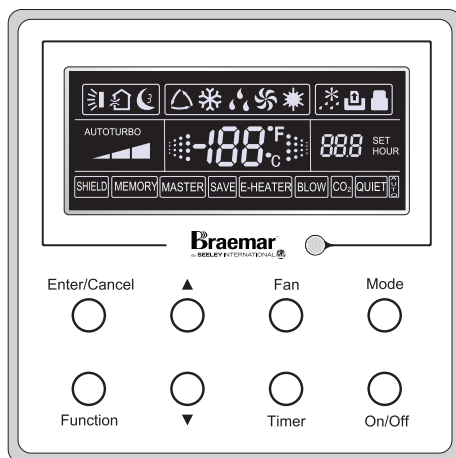
**IMPORTANT**

As with any product that has moving parts or is subject to wear and tear, it is **VERY IMPORTANT** that you maintain your air conditioner and have it regularly serviced. Accordingly, it is a condition of warranty cover for your air conditioner that you comply with all of the maintenance and service requirements set out in this Manual. Compliance with these requirements will prolong the life of your air conditioner. Further, it is also a condition of warranty cover that the Maintenance Schedule in the Manual is filled out (by signing and dating it in the places indicated) when the item is completed. **ANY FAILURE TO CARRY OUT THE REQUIRED MAINTENANCE AND SERVICING, AND ANY FAILURE TO FILL OUT THE MAINTENANCE SCHEDULE, WILL VERY LIKELY VOID YOUR WARRANTY.**

(For complete warranty terms, refer to the separate Warranty Booklet sold with the product. Alternatively, visit www.seeleyinternational.com/warranty to download the terms.

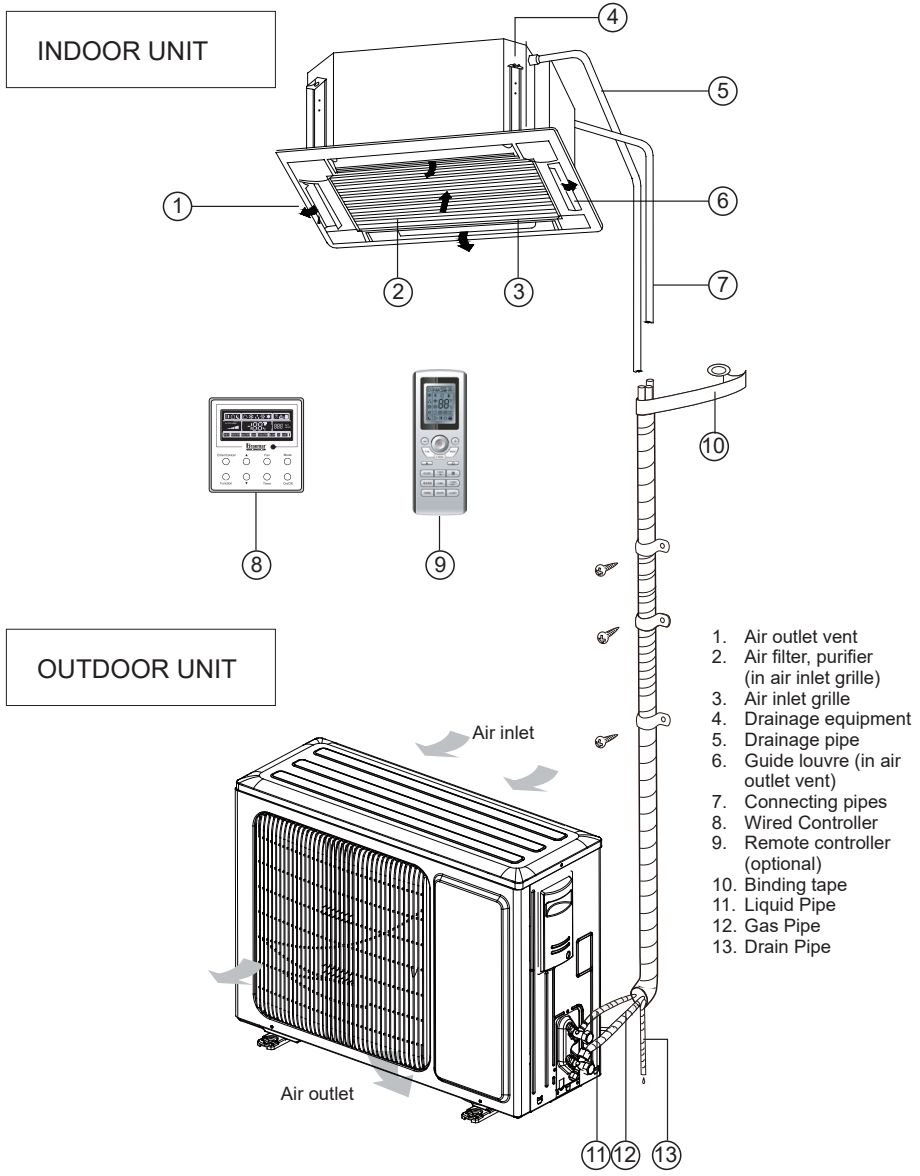Warranty terms are subject to property access and industry safety standards.)

| OUTDOOR MODELS | INDOOR MODEL | CAPACITY COOL / HEAT |
|---|---|---|
| MCHV54D12<br>MCHV73D13 | MBHV35D1S | 3.5 kW / 4.0 kW |
| MCHV81D14 | MBHV45D1S | 4.5 kW / 5.0 kW |
| MCHV10D14<br>MCHV11D15 | MBHV71D1S | 7.1 kW / 8.0 kW |

# CONTENTS

# MAIN COMPONENTS

## TYPICAL INSTALLATION / DIAGRAM OF KEY COMPONENTS

INDOOR UNIT

OUTDOOR UNIT

Air inlet

Air outlet

1. Air outlet vent
2. Air filter, purifier
   (in air inlet grille)
3. Air inlet grille
4. Drainage equipment
5. Drainage pipe
6. Guide louvre (in air
   outlet vent)
7. Connecting pipes
8. Wired Controller
9. Remote controller
   (optional)
10. Binding tape
11. Liquid Pipe
12. Gas Pipe
13. Drain Pipe

Braemar
By SEELEY INTERNATIONAL    MBHVD1S Series Multi Cassette

# INTRODUCTION & SAFETY

Congratulations on purchasing a new Braemar Air Conditioner!

Please keep this Manual and the Warranty Booklet in a safe place, along with the original purchase documents, plus all relevant certificates of compliance relating to the installation work performed. Please register the Warranty straight away, by following the steps set out in the Warranty Booklet.

The installer must read the Installation Manual before installing the Braemar Cassette Inverter Air Conditioning Unit. The home owner/user should read the Owner's Manual before operating the Unit.

To ensure the warranty on the Unit is continued and valid, the Unit must be checked and serviced by a Qualified Licensed Technician as per the requirements in the Maintenance & Service section and the Maintenance Schedule. This will also prolong the life of your air conditioner.

The home owner/user should regularly check the Air Inlet side of the Outdoor unit (see the diagram on page 2) to ensure grass, leaf and other matter are not drawn into or onto the Inlet side of the Outdoor unit. Restriction to the air flow across the coil will reduce the system's capacity, and result in high operation pressures and excessive operating costs.

A return air filter MUST be installed by the installer at the return air grille. The air filter should be inspected and cleaned at least every two weeks when the Braemar Cassette Air Conditioning Unit is used. Note: the manufacturer recommends that low level return air grilles are installed.

IMPORTANT!

THE AUSTRALIAN GREENHOUSE OFFICE HAS ISSUED VARIOUS REGULATIONS ON THE USE AND DISPOSAL OF REFRIGERANTS IN THE UNIT. FAILURE TO FOLLOW THESE REGULATIONS MAY HARM THE ENVIRONMENT AND COULD LEAD TO THE IMPOSITION OF SUBSTANTIAL FINES.

WHERE SPECIFIED, ONLY QUALIFIED AND LICENSED TECHNICIANS SHOULD PERFORM WORK ON THIS UNIT, FAILING WHICH THE WARRANTY ON THE UNIT WILL BE VOID.

WARNING! This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

# OPERATION

Your Braemar Cassette Air Conditioning Unit has been designed and built with reliable, quality components. To ensure many years of trouble free, dependable service please read the following pages very carefully, and please ensure that you follow all of the instructions.
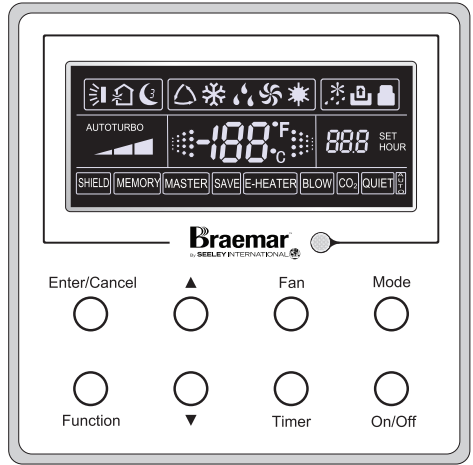
## WIRED CONTROLLER

Please follow the below cautionary notes when using the wired controller:-

1. Do not install the wired controller in a damp place or under direct sunlight.

2. Do not abuse, toss, or assemble/ disassemble the wired controller.

3. Do not operate the wired controller with wet hands and never let any liquid flow into it.

4. Do not install or remove the wired controller by yourself. If necessary, please contact a service agent.

5. This wired controller is applicable to various kinds of air conditioners - some specific functions unavailable to the duct type air conditioners will be covered in this manual.

6. Before operating the air conditioner, please read this manual carefully and keep it in a safe place for future reference.

## CONTROLLER LAYOUT

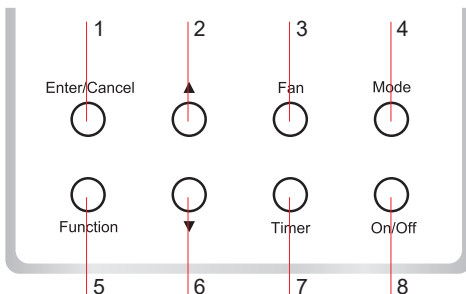### Appearance and LCD Icons



Wired Controller appearance
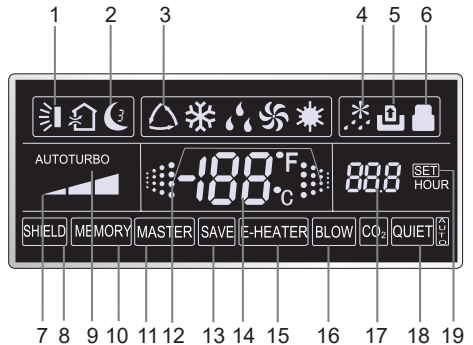


LCD Icon Layout

# OPERATION cont.

## LCD ICONS

| No. | Symbols | Description |
|-----|---------|-------------|
| 1 | | Swing function (Not available on Multi Bulkhead Ducted units) |
| 2 | | Sleep function |
| 3 | | Operating modes for the Indoor unit (Auto, Cool, Dry, Fan and Heat) |
| 4 | | Defrosting function for the Outdoor unit |
| 5 | | Gate-control function (Not available on Multi Bulkhead Ducted units) |
| 6 | | Lock function |
| 7 | | High, middle, low or auto fan speed of the indoor unit |
| 8 | SHIELD | Shield functions (buttons, temperature, On/Off or Mode) is shielded from the remote controller. |
| 9 | TURBO | Turbo function |
| 10 | MEMORY | Memory function (The indoor unit resumes the original setting state after power failure and then power recovery) |
| 11 | MASTER | Master wired remote controller (Not available on Multi Bulkhead Ducted units) |
| 12 | | On status indicator |
| 13 | SAVE | Energy-saving function (Not available on Multi Bulkhead Ducted units) |
| 14 | -188℉℃ | Ambient/preset temperature value |
| 15 | E-HEATER | Electric auxiliary heating function (Not available on Multi Bulkhead Ducted units) |
| 16 | BLOW | Blow function |
| 17 | 88.8 | Timing value |
| 18 | QUIET | Quiet function (two types: quiet and auto quiet) (Not available on Multi Bulkhead Ducted units) |
| 19 | SET | It will be displayed under the debugging mode. |

## BUTTON FUNCTIONS

1 — Enter/Cancel
2 — ▲
3 — Fan
4 — Mode
5 — Function
6 — ▼
7 — Timer
8 — On/Off

# OPERATION cont.

## BUTTON FUNCTIONS cont.

| No. | Press Buttons | Function |
|---|---|---|
| 1 | Enter/Cancel | Function selection and cancellation. |
| 2 | ▲ | • Running temperature setting of the indoor unit, range:16 - 30°C |
| 6 | ▼ | • Timer setting, range:0.5-24 hr. |
| 3 | Fan | Setting of the high/middle/low/auto fan speed. |
| 4 | Mode | Setting of the Cooling/Heating/Fan/Dry/Auto mode of the indoor unit. |
| 5 | Function | Switchover among the functions of Turbo/Save/E-heater/Blow etc.. |
| 7 | Timer | Timer setting. |
| 8 | On/Off | Turn on/off the indoor unit. |
| 4+2 | ▲+ Mode | Press them for 5s under off state of the unit to Enter/Cancel the Memory function (if memory is set, indoor unit after power failure and then power recovery will resume the original setting state. If not, the indoor unit is defaulted to be off after power recovery. Memory off is default before delivery). |
| 2+6 | ▲ +▼ | Upon startup of the unit without malfunction or under off state of the unit, press them at the same time for 5s to enter the lock state, in which case any other buttons won't respond.<br>Repress them for 5s to quit this state. |
| 4+6 | Mode+▼ | Under OFF state, the Celsius and Fahrenheit scales can be switched by pressing "Mode" and "▼" for five seconds. |

## ON / OFF

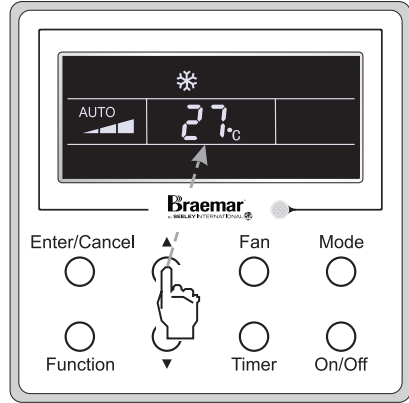Press the On/Off button to turn the unit on or off.
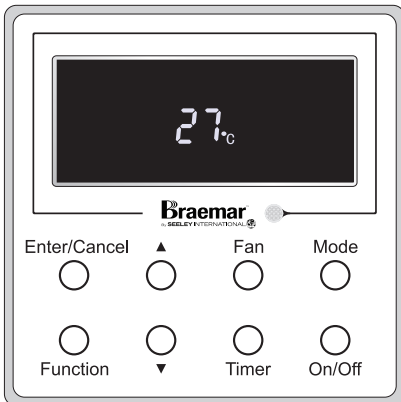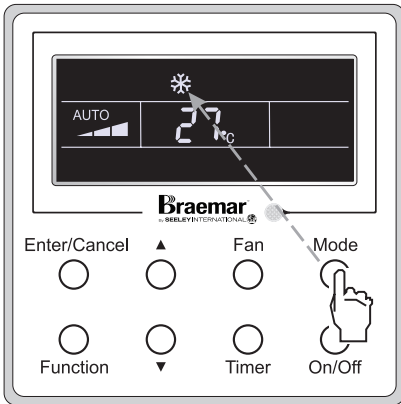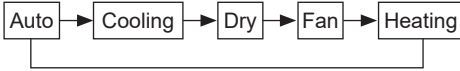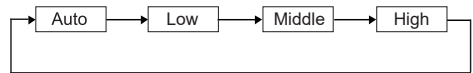


OFF State of the Unit
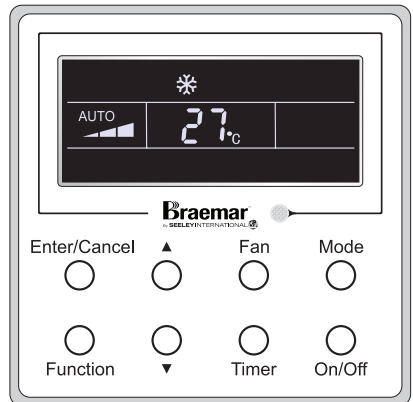


ON State of the Unit

# OPERATION cont.

## MODE SETTING

Under the ON state of the unit, press the Mode button to switch the operation modes as the sequence shown below.

Auto → Cooling → Dry → Fan → Heating



## TEMPERATURE SETTING

Press ▲ or ▼ button to increase or decrease setting temperature when the unit is on. Pressing either of them continuously, temperature will be increased or decreased by 1°C every 0.5s.

In Cooling, Dry, Fan and Heating mode, temperature setting range is 16°C - 30°C.

In Auto mode, the setting temperature is not adjustable.



## FAN SPEED SETTING

Press the Fan button to vary the speeds as shown in the sequence below.

Auto → Low → Middle → High
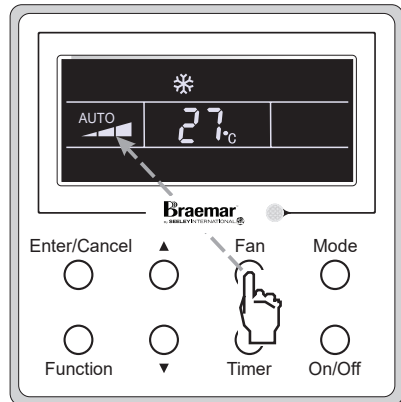
# OPERATION cont.

## TIMER SETTING

Set the number of hours to either turn ON or OFF the unit. Timer range is 0.5 - 24hr, in 0.5hr increments.

**Timer "On" Setting:** Use to set when to start the unit. When the unit is OFF, press the Timer button. xx.x HOUR is displayed, press ▲/▼ to adjust the timer to the desired number of hours, then press Enter/Cancel to confirm.

**Timer "Off" Setting:** Use to set when to stop the unit. When the unit is ON, press the Timer button. xx.x HOUR is displayed, press ▲/▼ to adjust the timer to the desired number of hours, then press Enter/Cancel to confirm.

Cancellation of Timer Setting: The timer setting can be cancelled by pressing "Timer". Then "xx HOUR" won't be displayed.

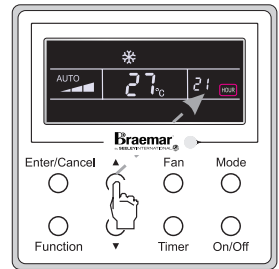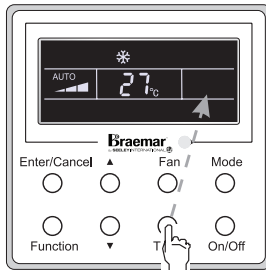Timer "Off" Setting when the Unit is ON is as shown below.
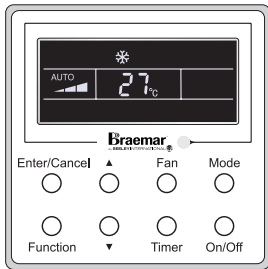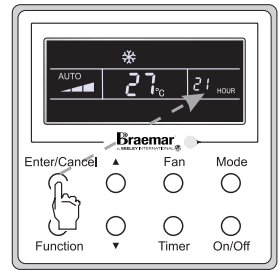
Unit On, no timer function
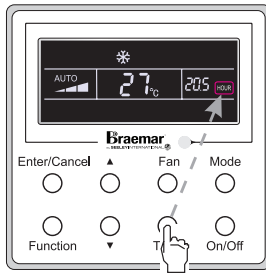
Press "Timer" button to set timer

Press " ▲ " or " ▼" button to adjust timer

Press "Timer" button to cancel timer

Press "Enter/Cancel" button to activate timer
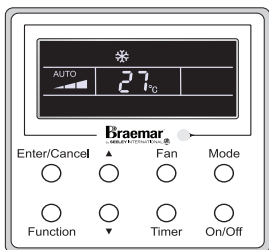
# OPERATION cont.

## SLEEP SETTING

Sleep on: Press the Function button under the ON state of the unit to select the "SLEEP" function option and then press the Enter/Cancel button to activate it.

Sleep off: When the Sleep function is activated, press the Function button to select the "SLEEP" function option and then press the Enter/Cancel button to deactivate this function.

In the COOL or DRY mode, the temperature will increase by 1°C for the 1st hour, and another 1°C in the 2nd hour, then continue to run at this temperature.
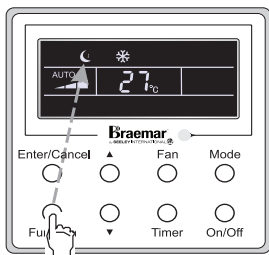
In the HEAT mode, the temperature will decrease by 1°C for the 1st hour, and another 1°C in the 2nd hour, then continue to run at this temperature.
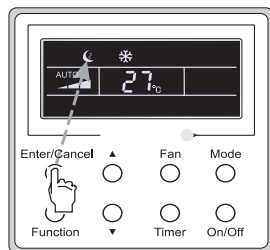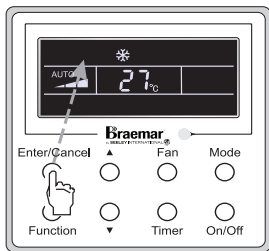
Sleep setting is as shown below.



Unit On, no SLEEP function

Press "Function" button to select SLEEP

Press "Enter/Cancel" button to activate SLEEP

Press "Enter/Cancel" button to cancle SLEEP
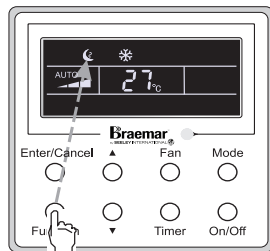
Press "Function" button to select SLEEP

# OPERATION cont.

## TURBO FUNCTION SETTING

This function operates the unit at the highest fan speed, to provide maximum cooling or heating so as to reach the selected set temperature as quickly as possible.

In the COOL or HEAT mode, press the Function button to select the "Turbo" function option and then press the Enter/Cancel button to activate it.

When the "Turbo" function is activated, it can be deactivated by firstly pressing the Function button to select the "Turbo" option and then pressing the Enter/Cancel button.

Turbo function is as shown below.

Notes:

1. The Turbo function will not be deactivated due to power failure.

2. In DRY, FAN and AUTO modes, the Turbo function is unavailable and the function symbol won't be displayed.



Unit On, no timer function



Press "Function" button to select TURBO



Press "Enter/Cancel" button to activate TURBO



Press "Enter/Cancel" button to cancel TURBO



Press "Function" button to select TURBO
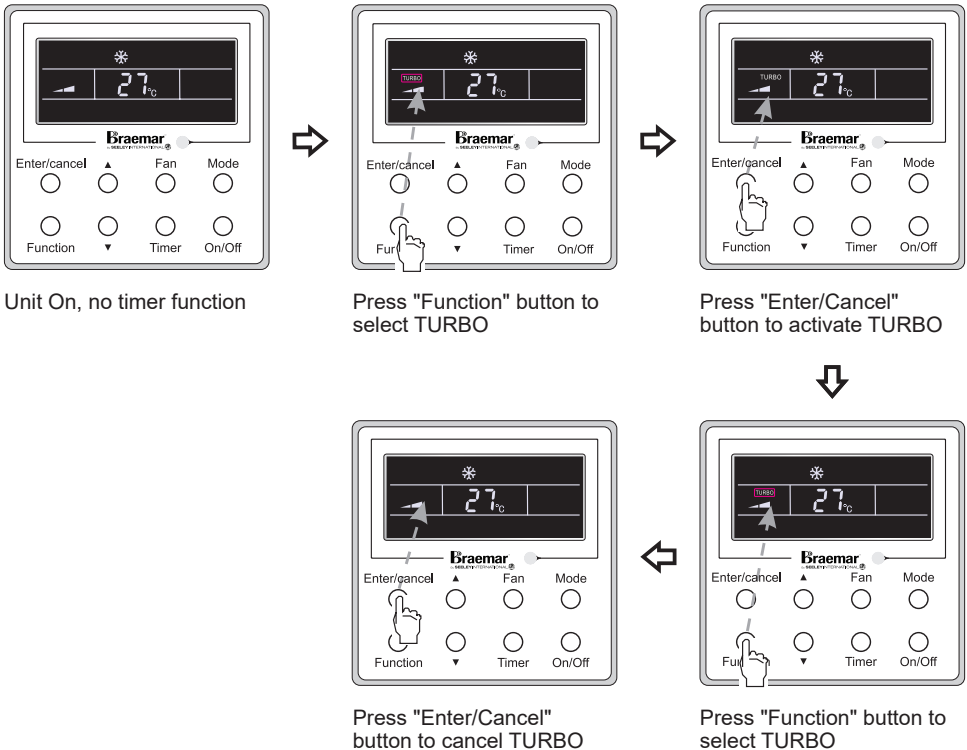
# OPERATION cont.

## BLOW FUNCTION SETTING

"BLOW" function forces the fan to continue operating after the unit is turned off, so that moisture on the indoor unit coil will be evaporated to avoid mildew.

To activate the "BLOW" Function in COOL or DRY mode, press the "Function" button to select the "BLOW" option. With the symbol "BLOW" flashing, press the "Enter/Cancel" button to activate it.

To cancel the "BLOW" function, press the "Function" button to select the

"BLOW" option and then pressing the "Enter/Cancel" button.

Notes:

1. When the "BLOW" function is activated, if the unit is turned off the indoor fan will still run at low fan speed for another 2 minutes. When the "BLOW" function is deactivated, the indoor fan will stop when the unit is turned off.

2. The "BLOW" function is not available in the FAN and HEAT modes.

"BLOW" function setting is as shown below.
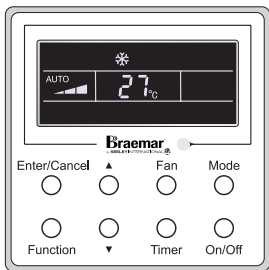


Unit On, no BLOW function
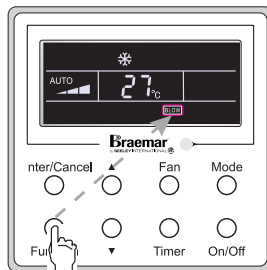
Press "Function" button to select BLOW

Press "Enter/Cancel" button to activate BLOW

Press "Enter/Cancel" button to cancel BLOW

Press "Function" button to select BLOW

# OPERATION cont.

## LOCK FUNCTION

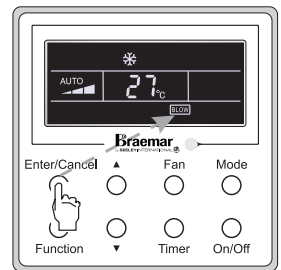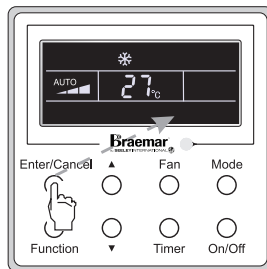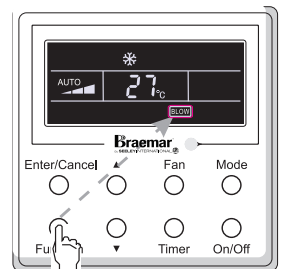Under the ON state of the unit without any malfunction or under the OFF state of the unit, press ▲ and ▼ buttons at the same time for 5s till the wired controller enters the lock state and the LCD displays ▢ .

Press ▲ and ▼ buttons at the same time for 5s to quit the lock state.

Under the lock state, pressing any other buttons with give no response.

## MEMORY FUNCTION

In the OFF state, press the Mode and ▲ buttons at the same time for 5s to switch to "MEMORY" mode. "MEMORY" will be displayed, and when the unit is ON, the wired controller after power failure will resume its original running state upon power recovery.

Memory contents are: On/Off, Mode, Set Temperature, Set Fan speed and Lock function.

Note: It takes 5s to save data. Therefore, please do not cut off the power at this time, or data will fail to be saved.

If MEMORY function is not activated, the unit will go to the OFF state after power recovery.

## REMOTE CONTROLLER

Your air conditioner is supplied with an optional wireless remote controller, which can be used in conjunction to the wired wall controller.  The wired controller will still need to be installed, as this acts as the receiver.

Please follow the below cautionary notes when using the remote controller:-

1. Ensure there are no obstructions between the wired wall controller receiver and remote controller.

2. Don't let the remote control drop onto hard surfaces or be subjected to sudden shocks in any way. Don't allow the remote control to get wet. The warranty does not cover misuse or accidental damage.

3. Don't place the remote control in direct sunlight, or near extremes of temperature. This will affect the control's temperature reading.

4. Don't place near strong electromagnetic waves.

5. Don't mix old and new batteries! If the remote control will not be used for a long time, remove the batteries to avoid corrosion.

6. Before operating the air conditioner, please read this manual carefully and keep it in a safe place for future reference.

7. This wired controller is applicable to various kinds of air conditioners - some specific functions unavailable to the duct type air conditioners will be covered in this manual.

# OPERATION cont.

## CHANGING BATTERIES

Push down on the battery panel to open the battery compartment area.

Insert 2 x AAA 1.5V batteries, ensuring the polarity aligns with the markings in the battery compartment (refer right).
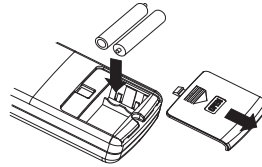
If the remote controller does not activate, remove the batteries and re-insert after waiting 30 seconds.

## CONTROLLER LAYOUT

Signal transmitter

FAN button

I FEEL button

CLOCK button

X-FAN button

TURBO button

SLEEP button

TEMP button

- / + buttons

ON/OFF button

MODE button

TIMER ON / OFF buttons

LIGHT button
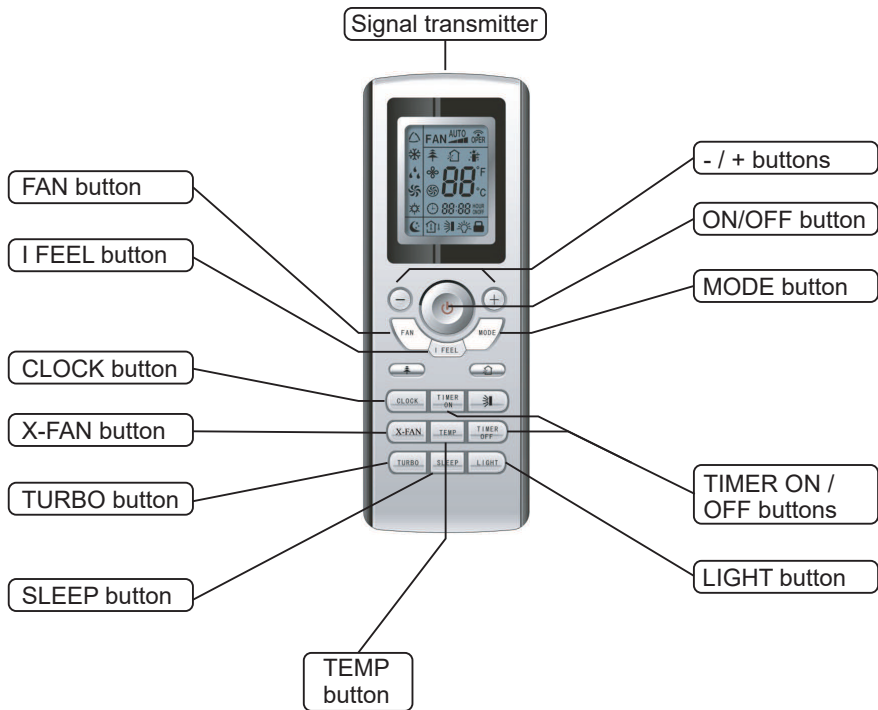
# OPERATION cont.

## ON / OFF

Press to turn the power on or off. SLEEP function will be cancelled when power is turned off.

## MODE

Press to toggle between AUTO, COOL, DRY, FAN and HEAT modes. The remote controller & indoor will display the below icons:-



△    AUTO Mode - cycles between COOL and HEAT modes depending on ambient temperature.

❄    COOL Mode - refrigerated cooling

💧    DRY mode - for extracting moisture from the air.

🌀    FAN mode - Fan only operation (no cooling).

☼    HEAT mode - reverse cycle heating

## FAN SPEED

Press the FAN button to toggle between AUTO, Low, Medium and High speed.



AUTO fan speed is default on power up. In DRY mode, only Low FAN speed is selected.

## CLOCK

Press the CLOCK button to set the clock time. 🕐 will flash on the display, and the clock can be adjusted by pressing the + or - buttons. Once the correct time is set, press the CLOCK button again to confirm the clock setting. 🕐 will be displayed continuously, this indicates the clock time is set. '12:00' is the default setting after power up. Set the correct time to enable the TIMER function to work correctly.
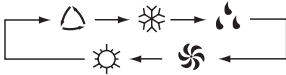
## TEMP

Press the TEMP button to toggle between the following on the indoor display:-
• SET temperature (room target temperature)
• Indoor ambient temperature
Note: remote controller will always display the SET temperature.

## + / - BUTTONS

Use to adjust the SET temperature within the range 16-30°C (61-86°F). Hold the button down for quick adjustment.
Note: TEMP adjustment is unavailable in AUTO mode.

## X-FAN

The X-FAN function can be used in COOL or DRY modes, so as to continue operation of the indoor fan for an additional 10 minutes after the

## OPERATION cont.

### X-FAN cont.

power is turned off (so as to remove excess moisture from the indoor coil). The ✻ icon will be displayed. Default setting is X-FAN 'OFF', and is not available in AUTO, FAN or HEAT modes. It is the same as BLOW function on the wired controller.

### TURBO

When the unit is first turned on in COOL or HEAT modes, press TURBO to quickly reach the SET temperature. TURBO will be shown on the remote controller display. TURBO mode is cancelled if MODE or FAN speed is changed.

### LIGHT

Press the LIGHT button to toggle between LIGHT ON and LIGHT OFF status. Default is LIGHT 'ON'.

### TIMER SETTINGS

The unit can be programmed to turn on, turn off or a combination of both when in standby or power ON modes. Use the below settings.

### TIMER ON

Press the TIMER ON button to enter the setup. The ⏱ icon will disappear and "ON" will blink on the remote controller display. Use the - or + buttons to adjust the clock time for the unit to start. Holding these buttons will produce rapid adjustment. When complete, press the TIMER ON button again to set.

Pressing the TIMER ON button again will CANCEL the TIMER ON function.

### TIMER OFF

Press the TIMER OFF button to enter the setup. The ⏱ icon will disappear and "OFF" will blink on the remote controller display. Use the - or + buttons to adjust the clock time for the unit to stop. Holding these buttons down will produce rapid adjustment. When complete, press the TIMER OFF button again to set.

Pressing the TIMER OFF button again will cancel the TIMER OFF function.

### I FEEL

Press the I FEEL button have the remote control act as a local temperature sensor - instead of the room temperature being sensed at the wall control, it will respond to the temperature wherever the remote control is placed. When using the I FEEL function, keep the remote control in the air conditioned space in an unobstructed line to the wire wall control.

Press the I FEEL button again to **cancel** this feature.

### SLEEP

Press the SLEEP button to activate SLEEP ON or SLEEP OFF modes.

## OPERATION cont.

### ERROR DISPLAY

Your unit is supplied with self-diagnostic controls to identify when a error condition occurs.

When an error occurs to the unit, the error code will be shown on the wired controller. If multiple errors occur simultaneously, the error codes will be shown cyclically on the display.

A typical error message is shown - "E1" means the high pressure protection has activated.  A full list of error codes is provided overleaf.

Please note the error code displayed when contacting Seeley service.

NOTE: not all error codes are displayed due to an air conditioner fault, but may also show a temporary status change (eg defrost mode or DRED activation).  Refer to the Troubleshooting section for further details.
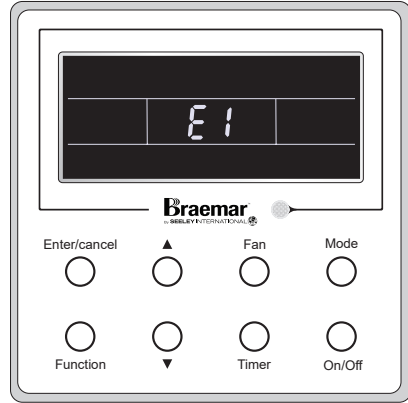
### FAULT CONDITIONS

If the below conditions should occur, please turn off the air conditioner and isolate its power immediately, and then contact the Seeley qualified service agents for assistance:-

- Power cord is overheating or damaged

- Abnormal sound during operation.

- Circuit breaker is continually tripping

- Burning smell is noticed

- Indoor unit is leaking condensate

# OPERATION cont.

## ERROR DISPLAY cont.

Error codes and their meanings are shown below:

| Number | Error Code | Error Description |
|--------|-----------|-------------------|
| 1 | b5 | Indoor unit liquid valve temperature sensor open/short circuited |
| 2 | b7 | Indoor unit liquid valve temperature sensor open/short circuited |
| 3 | dn | Communication line mis-connected or expansion valve error |
| 4 | En | Frequency restricted/reduced with IPM current protection |
| 5 | EU | Frequency restricted/reduced with IPM temperature protection |
| 6 | E1 | Compressor high pressure protection |
| 7 | E2 | Indoor anti-freeze protection |
| 8 | E3 | Compressor low pressure protection |
| 9 | E4 | Compressor high discharge temperature protection |
| 10 | E5 | Whole unit over-current protection |
| 11 | E6 | Communication error |
| 12 | E7 | Running mode conflict |
| 13 | E8 | Overload protection |
| 14 | E9 | Indoor unit full water protection |
| 15 | Fo | Pump-down |
| 16 | FH | Frequency restricted/reduced with anit-freezing protection |
| 17 | F0 | System charge shortage or blockage protection |
| 18 | F1 | Return air temperature sensor open/short circuited |
| 19 | F2 | Evaporator temperature sensor open/short circuited |
| 20 | F3 | Outdoor ambient temperature sensor open/short circuited |
| 21 | F4 | Outdoor mid-tube temperature sensor open/short circuited |
| 22 | F5 | Discharge temperature sensor open/short circuited |
| 23 | F6 | Frequency restricted/reduced with overload protection |
| 24 | F8 | Frequency restricted/reduced with whole unit current protection |
| 25 | F9 | Frequency restricted/reduced with high discharge temperature |
| 26 | Hc | Pfc protection |
| 27 | HE | Compressor demagnetization protection |
| 28 | H1 | Forced defrosting |
| 29 | H3 | Compressor overheating protection |
| 30 | H5 | IPM current protection |
| 31 | H6 | Motor stalling |
| 32 | H7 | Compressor desynchronizing protection |

## ERROR DISPLAY cont.

Error codes and their meanings are shown below:

| Number | Error Code | Error Description |
|--------|-----------|-------------------|
| 33 | LA | Outdoor fan 1 error protection |
| 34 | Lc | Compressor startup failure |
| 35 | Ld | Compressor phase loss/reversal protection |
| 36 | LE | Compressor stalling |
| 37 | LF | Over-speeding |
| 38 | LP | Indoor and outdoor units unmatched |
| 39 | L3 | Outdoor fan 1 error protection |
| 40 | L9 | Over-power protection |
| 41 | Pd | Sensor connection protection |
| 42 | PE | Temperature drift protection |
| 43 | PF | Drive board temperature sensor error |
| 44 | PH | DC Bus over-voltage protection |
| 45 | PL | DC Bus under-voltage protection |
| 46 | PP | AC input voltage abnormal |
| 47 | PU | Capacitor charging error |
| 48 | P5 | Over phase current protection |
| 49 | P6 | Drive board communication error |
| 50 | P7 | IPM temperature sensor open/short circuited |
| 51 | P8 | IPM temperature protection |
| 52 | P9 | AC contactor protection |
| 53 | U1 | Compressor phase current sensing circuit error |
| 54 | U3 | DC bus voltage drop error |
| 55 | U5 | Whole unit current sensing circuit error |
| 56 | U7 | 4 way valve reversing error |
| 57 | U8 | PG motor zero-crossing protection |
| 58 | ❄ | Defrost or oil return |

## DRED CODES

| Number | DRED Code | Code Description |
|--------|-----------|-------------------|
| 1 | d1 | DRED mode 1 (full shut down) |
| 2 | d2 | DRED mode 2 (50% power) |
| 3 | d3 | DRED mode 3 (75% power) |

# MAINTENANCE & SERVICE

## AIR FILTER

It is important to check and clean the air filter as per the Maintenance Schedule below. A dirty air filter will not allow the correct amount of clean air to pass through your air conditioner, resulting in poor performance and increased running costs. You should ask the installer to show you where the air filter is located. To clean the air filter, it should be removed and then cleaned with a vacuum cleaner. If it is very dirty, wash it with soapy water and then wipe off. Make sure it is completely dry before refitting it. You should never operate the air conditioner without the air filter in place.

## INDOOR COIL (REFER PAGE 2)

It is advisable to have the fan, drain, pump and duct connections checked on an annual basis (as set out in the Maintenance Schedule overleaf). Drains can become blocked by all types of insects, and rats have been known to chew through the drain to get to the water in the pipe.

## OUTDOOR UNIT (REFER PAGE 2)

The Outdoor unit has either one or two fans, it draws air through the appliance to expel the heat generated during the cooling cycle. We recommend checking that plants haven't grown into or around the air intake or outlet, along with other debris that may build up over time, namely, leaves and the like.

## REFRIGERANT

The refrigerant is the life blood of your air conditioning unit. Not only does the correct refrigerant charge provide you with reliable and economical cooling, it also provides the cooling for the compressor. A lack of refrigerant, due to a leak, will cause the compressor to overheat and expire prematurely. You will notice a decline in cooling effect and an increase in power consumption. Therefore, having a qualified, licensed technician service your air conditioner will save you money in the long term.

## PLEASE REFER TO THE NEXT PAGE FOR THE MAINTENANCE SCHEDULE

# MAINTENANCE SCHEDULE

| Installation Date: | / / | Installer: | |
|---|---|---|---|

| Items to be done by the **Home Owner/User** (please sign in the places indicated) | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Monthly | Annually | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| Air filter cleaning | ✔ | | | | | | |
| Air filter replacement | | ✔ | | | | | |
| Maintain required clearance around Outdoor unit | | ✔ | | | | | |

| Items to be done by a **Qualified Licensed Technician** (Home owner/user must ensure that the technician signs and dates in the places indicated) | |
|---|---|
| | Annually |
| Check, clean or replace filter | ✔ |
| Check drain from indoor coil | ✔ |
| Check indoor coil fan | ✔ |
| Check outdoor unit clearances – maintain garden and debris | ✔ |
| Check refrigerant charge | ✔ |
| Check refrigeration connections for soundness | ✔ |
| Check outdoor fans | ✔ |
| Check electrical connections | ✔ |
| Check ductwork (including but not limited to: duct, fittings, zone dampers, grilles) | ✔ |
| Check overall installation | ✔ |
| Report to the home owner/user all tasks that require attention | ✔ |

| Year 1 – Date: | / / | Technician: | |
|---|---|---|---|
| Year 2 – Date: | / / | Technician: | |
| Year 3 – Date: | / / | Technician: | |
| Year 4 – Date: | / / | Technician: | |
| Year 5 – Date: | / / | Technician: | |

**Please NOTE**: the Maintenance Schedule covers Year 1 to Year 5. To preserve your investment for many years afterwards, we strongly recommend that you continue to maintain and service the Braemar Cassette Inverter Air Conditioning Unit as per the items and frequency set out in the Schedule, and as indicated elsewhere in this Manual.

**Braemar** by SEELEY INTERNATIONAL  MBHVD1S Series Multi Cassette

# OPERATION TIPS

The following events may occur during normal operation:

1. **Protection of the air conditioner.**
   Compressor protection
   - The compressor cannot restart for 3 minutes after it stops.
   - The supply air drops below a pre-determined set point; this prevents the indoor coil from freezing.

2. **A white mist coming out from the Indoor unit.**
   - A white mist may generate due to a large temperature difference between air inlet and air outlet on COOL mode in an indoor environment that has a high relative humidity.

3. **Low noise of the air conditioner.**
   - You may hear a low hissing sound when the compressor is running or has just stopped running.
   This sound is the sound of the refrigerant flowing or coming to a stop.
   - You can also hear a low "squeak" sound when the compressor is running or has just stopped running.
   This is caused by heat expansion and cold contraction of the plastic parts in the Unit when the temperature is changing.

4. **Dust is blown out from the Indoor unit.**
   This is a normal condition when the air conditioner has not been used for a long time or during first use of the Unit.

5. **A peculiar smell comes out from the Indoor unit.**
   This is caused by the Indoor unit giving off smells permeated from building material, from furniture, smoke (for example if someone is cooking food), or from the duct work.

6. **FAN operation during COOL mode.**
   When indoor air temperature reaches the setting on the wired wall control, the compressor will stop operating and after approximately 60 seconds the indoor fan will stop blowing air. When the room temperature rises back to the set point, the indoor fan and the compressor will start again.

# TROUBLESHOOTING

| Problem | Probable Cause | Remedy |
|---|---|---|
| 1. The air conditioner does not run. | 1.1 Power failure.<br>1.2 Fuse blown or circuit breaker open.<br>1.3 Thermostat adjustment too low (in heating mode) or too high (in cooling mode). | 1.1 Wait for power to resume.<br>1.2 Replace the fuse or reset the breaker.<br>1.3 Check thermostat setting. |
| 2. There is insufficient cooling. | 2.1 The room was probably very hot when you started the system. | 2.1 Wait a while so the Unit has enough time to cool the room. |
| 3. 'Clicking' sound is heard from the air conditioner. | 3.1 In heating or cooling operation any plastic parts may expand or shrink due to a sudden temperature change in this event, a clicking sound may occur. | 3.1 This is normal. |
| 4. SET temperature can't be adjusted. | 4.1 Unit is operating in AUTO mode.<br>4.2 The required SET temperature is outside of the allowable range. | 4.1 Temperature cannot be set in AUTO mode.<br>4.2 SET temperature range is 16-30°C |
| 5. Cooler is not operating at full power, or at all. | 5.1 For residences with a Smart Meter, DRED (Demand Response energy saving) mode has been activated by the Electricity Supplier. Codes 'd1', 'd2' or 'd3' are shown in the controller display. | 5.1 This is not an air-conditioner fault, but a requirement from your Electricity Supplier. DRED mode will stop when the power grid demands are reduced. |

# TROUBLESHOOTING cont.

## WARRANTY & SERVICE

For prompt, efficient service, please follow the above before calling the appropriate number below.

### For Refrigerated Cooling Issues            1300 526 477

When calling the Warranty Service number or booking an on-line service, please ensure you have your model and serial number available, along with date of purchase, and if possible a description of the problem. Refer to your Warranty Booklet for details, terms and conditions.

## NOTE:

Seeley International strives for continuous product improvements, therefore specifications are subject to change without notice. Unit colour may vary slightly from that depicted in this booklet.

Installation and commissioning of this system to the manufacturer's specification, and compliance with industry standards, and local, state and national regulatory codes, are the responsibility of the installer.

Information in this booklet was true and correct at the time of publishing. E & OE.

# NOTES

# NOTES cont.

It is the policy of Seeley International to introduce continuous product improvements. Accordingly, specifications are subject to change without notice. Please consult with your dealer to confirm the specifications of the model selected.



**Warranty Service**
Refrigerated Cooling 1300 526 477
seeleyinternational.com



seeleyinternational.com