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The choice is simple.....

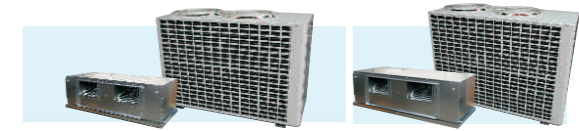


# Fixed Capacity Units



Eclipse ducted air conditioners are built to perform in the hottest of summers and.....

## SINGLE PHASE / 240v



MODEL	V140	V150	V160	V170
<b>NETT CAPACITY</b> (AS/NZ 3823.1.2)				
Cooling (Kw)	11.5	14.2	15.9	17.1
Heating (Kw)	12.5	14.9	16.3	17.3
<b>POWER SUPPLY - 50Hz</b>				
Phase/Volts	1 / 240	1 / 240	1 / 240	1 / 240
Full Load Amps	27	32	38	38
<b>COMPRESSOR TYPE</b>	Scroll	Scroll	Scroll	Scroll
<b>AIRFLOW L/s</b>				
Hi-speed	800	920	1050	1120
Med-speed	710	730	940	1070
Low-speed	610	630	820	990
<b>OUTDOOR DIMENSIONS</b> (mm)				
Depth	590	590	590	610
Height	870	870	870	990
Width	1290	1290	1290	1360
<b>INDOOR DIMENSIONS</b> (mm)				
Depth	580	580	580	580
Height	385	385	385	425
Width	1070	1070	1070	1270
<b>WEIGHT</b> (kg)				
Outdoor	110	120	122	133
Indoor	49	49	51	56
<b>SOUND PRESSURE LEVEL dB(A)</b>	54	54	56	57

These specifications, designs and information are subject to change without notice. Please check prior to purchase.  
**Important:** The Local Electricity Supply Authority may require limits on - starting currents, running currents & voltage drops. Please check prior to purchase.

## THREE PHASE / 415v



MODEL	V340	V350	V360	V370	V375	V380	V3100	V3110	V3120	V3130
<b>NETT CAPACITY</b> (AS/NZ 3823.1.2)										
Cooling (Kw)	11.5	14.2	15.9	17.1	18.5	21.7	24.7	27.7	29.9	33.0
Heating (Kw)	12.0	14.9	16.3	17.3	19.2	22.2	25.9	28.9	32.4	34.0
Phase/Volts	3 / 415	3 / 415	3 / 415	3 / 415	3 / 415	3 / 415	3 / 415	3 / 415	3 / 415	3 / 415
Full Load Amps - Phase 1	11.6	14.8	16.3	17.5	20.0	23.3	24.8	26.0	27.5	28.4
Phase 2 & 3	7.5	9.6	10.5	11.3	13.0	15.6	16.8	17.8	18.6	18.8
<b>COMPRESSOR TYPE</b>	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
<b>AIRFLOW L/s</b>										
Hi-speed	800	920	1050	1120	1180	1350	1620	1620	2000	2000
Med-speed	710	730	940	1070	1130	1200	1480	1480	1880	1880
Low-speed	610	630	820	990	1050	1090	1320	1320	1710	1710
<b>OUTDOOR DIMENSIONS</b> (mm)										
Depth	590	590	590	610	610	610	610	610	630	630
Height	870	870	870	990	990	1080	1080	1080	1280	1280
Width	1290	1290	1290	1360	1360	1520	1520	1520	1700	1700
<b>INDOOR DIMENSIONS</b> (mm)										
Depth	580	580	580	580	580	675	675	675	675	675
Height	385	385	385	425	425	490	490	490	640	640
Width	1070	1070	1070	1270	1270	1360	1360	1360	1510	1510
<b>WEIGHT</b> (kg)										
Outdoor	110	120	122	133	135	140	170	180	230	230
Indoor	49	49	51	56	56	68	71	71	71	71
<b>SOUND PRESSURE LEVEL dB(A)</b>	54	54	56	57	58	58	58	58	58	58

Design Conditions - Cooling: 35 C DB outdoor / air entering indoor 27 C DB, 19 C WB. Heating: 7 C DB, 6 C WB outdoor / air entering indoor 20 C DB.  
 Operating Conditions - Cooling: 15 C DB to 50 C DB outdoor / air entering indoor 29 C DB. Heating: -5 C to 21 C DB outdoor / air entering indoor 21 C DB.



## SINGLE PHASE / 240v



MODEL	D140	D150	D160	D170
<b>NETT CAPACITY</b> (AS/NZ 3823.1.2)				
Cooling (Kw)	1.1 - 11.5	1.4 - 14.2	5.6 - 15.9	6.0 - 17.1
Heating (Kw)	1.2 - 12.5	1.5 - 14.9	8.15 - 16.3	8.6 - 17.3
Phase/Volts	1 / 240	1 / 240	1 / 240	1 / 240
Full Load Amps	27	32	38	38
<b>COMPRESSOR TYPE</b>	Scroll	Scroll	Scroll	Scroll
<b>AIRFLOW L/s</b>				
Hi-speed	800	920	1050	1120
Med-speed	710	730	940	1070
Low-speed	610	630	820	990
<b>OUTDOOR DIMENSIONS</b> (mm)				
Depth	590	590	590	610
Height	870	870	870	990
Width	1290	1290	1290	1360
<b>INDOOR DIMENSIONS</b> (mm)				
Depth	580	580	580	580
Height	385	385	385	425
Width	1070	1070	1070	1270
<b>WEIGHT</b> (kg)				
Outdoor	110	120	122	133
Indoor	49	49	51	56
<b>SOUND PRESSURE LEVEL dB(A)</b>	54	54	56	57

These specifications, designs and information are subject to change without notice. Please check prior to purchase.  
**Important:** The Local Electricity Supply Authority may require limits on - starting currents, running currents & voltage drops. Please check prior to purchase.

The new Eclipse range of ducted air conditioning units are a breakthrough in residential and light commercial climate control. Quite simply, it's a machine.

Why? To begin with, the Eclipse range of ducted unit's uses advanced new technologies to provide brilliant cooling capacity, exceptional air quality and humidity control together with amazing affordability in running costs.

With high efficient, large capacity coils as well as ruffle bore tubing technology and crinkle cut double finned louvers, Eclipse ducted air conditioners provide you with peace of mind, saving you money as well as our environment.

To put it simply, with these features, as well as scroll compressor, vertical discharge fan design, Eclipse ducted air conditioners deliver in all the crucial areas of performance. In fact Eclipse ducted air conditioners have been tested to be up to 20% more efficient to run than other air conditioning systems.

The worlds most advanced ducted air conditioning technology



## THREE PHASE / 415v



MODEL	D340	D350	D370	D375	D380
<b>NETT CAPACITY</b> (AS/NZ 3823.1.2)					
Cooling (Kw)	1.1 - 11.5	1.4 - 14.2	1.7 - 17.1	1.8 - 18.5	7.4 - 21.7
Heating (Kw)	1.2 - 12.0	1.5 14.9	1.7 - 17.3	1.9 - 19.2	7.4 - 21.7
Heating					
Phase/Volts	3 / 415	3 / 415	3 / 415	3 / 415	3 / 415
Full Load Amps - Phase 1	11.6	14.8	17.5	20.0	20.0
Phase 2 & 3	7.5	9.6	11.3	13.0	13.0
<b>COMPRESSOR TYPE</b>	Scroll	Scroll	Scroll	Scroll	Scroll
<b>AIRFLOW L/s</b>					
Hi-speed	800	920	1120	1180	1350
Med-speed	710	730	1070	1130	1200
Low-speed	610	630	990	1050	1089
<b>OUTDOOR DIMENSIONS</b> (mm)					
Depth	590	590	610	610	610
Height	870	870	990	990	1080
Width	1290	1290	1360	1360	1520
<b>INDOOR DIMENSIONS</b> (mm)					
Depth	580	580	580	580	675
Height	385	385	425	425	490
Width	1070	1070	1270	1270	1360
<b>WEIGHT</b> (kg)					
Outdoor	110	120	133	135	140
Indoor	49	49	56	56	68
<b>SOUND PRESSURE LEVEL dB(A)</b>	54	54	57	58	58

Design Conditions - Cooling: 35°C DB outdoor / air entering indoor 27°C DB, 19 C WB; Heating: 7°C DB, 6°C WB outdoor / air entering indoor 20 C DB.  
 Operating Conditions - Cooling: 15°C DB to 50°C DB outdoor / air entering indoor 24°C DB. Heating: -5°C to 21°C DB outdoor / air entering indoor 21°C DB.

Eclipse ducted air conditioners are designed and built in Australia for Australia's extreme climatic conditions.



Australia is an extremely difficult environment for air conditioners. With temperatures that can reach 50 degrees or fall well below 0, it takes an Australian ducted air conditioning company to cope with the extreme climatic conditions that this country can offer. While other air conditioning companies struggle to cope, we call it home.

Our systems are specifically designed and engineered in Australia for Australia's extreme weather and large open plan homes.

And with its sturdy robust design, it's tough heavy gauge fully galvanised UV powder coated external casing, Eclipse units will handle anything this great country of ours can throw at it.

As a built-in bonus all Eclipse ducted units feature epoxy anti-corrosive coated internal and external coils, keeping each unit corrosive free for longer.



.....The coldest of winters.

Because comfort is about humidity control not just temperature alone, Eclipse's ducted ADT delivers superior performance when compared to inverter type systems. Eclipse's ADT runs at a constant evaporating temperature, thereby removing more moisture from the air, unlike inverter's which speed up and slow down, .

Eclipse's ducted ADT also has the added benefits of reduced noise levels. The noise commonly associated by starting and stopping of the air conditioning systems is all but eliminated thanks to ADT's varying capacity. This along with a variety of other noise reducing features makes Eclipse's ADT one of the quietest units available.

Eclipse's ducted ADT is so smart it considers all the factors that make you comfortable, it predicts how fast the temperature is rising and falling inside your home, remembers your preferred setting in similar conditions and instantly makes all the necessary adjustments so when you turn the system on you feel totally comfortable as quick as possible.

Eclipse's ducted ADT is the ultimate in climate control technology. Combine this with ITC technology and the Eclipse ducted systems are unsurpassed in energy savings and total comfort.

## Superior Intelligence.



Eclipse Advanced Digital Technology, an Australian company leading the way in ducted air conditioning technology.

## Why choose Eclipse Ducted Air Conditioners ?

Beware of performance figures. While some manufacturers quote capacities on European or Japanese standards. Eclipse ducted units are all based on and comply with AS/NZ 3823.

It's just another reason why it's ducted air conditioning made better by Eclipse.

- ✔ Australian owned & made
- ✔ Manufactured for Australia's extreme climatic conditions.
- ✔ Greatest technology, more features & ITC.
- ✔ Up to 38% cheaper to run.
- ✔ Guaranteed operating temperature from -10°- +48°
- ✔ Whisper quiet operation.
- ✔ Extreme reliability.
- ✔ Australia's longest guarantee. 5 years.
- ✔ Local after sales service & parts.



Australian made & Australian owned



The choice is simple.....Eclipse !!!



Smarter technology gives you greater comfort and faster cooling/heating whilst being cheaper to run.

Eclipse's ADT (Advanced Digital Technology) is the most technologically advanced ducted air conditioning system delivering outstanding energy efficiency and a whole new level of comfort. The highly intelligent ADT adjusts its own capacity, so that the capacity output precisely matches the required cooling/heating needs for your home. It can vary its capacity instantly from 100% down to 10% so you always have the perfect amount of cooling/heating, no wasted energy.

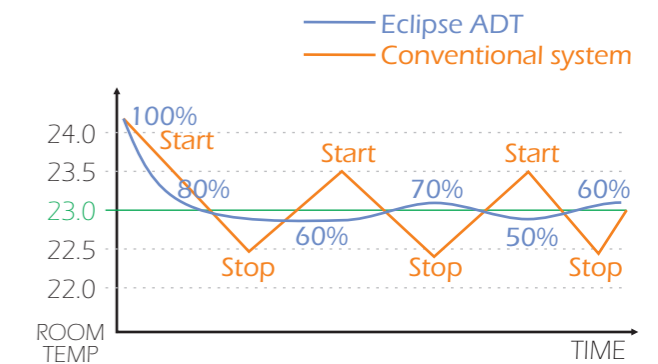
For example, on a 40 degree day you may require 18kW of capacity to cool your entire home however, on a 32 degree day to cool only the living areas you may require just 8kW. With a traditional air conditioning system you are always paying the running costs on a 18kW machine. Eclipse's Ducted ADT will automatically adjust its own capacity down to 8kW saving you money.

Starting and stopping a compressor to keep a set temperature wastes a lot of power as well as puts wear and tear on the system. Eclipse's ducted ADT virtually eliminates start/stops by varying its capacity.

This technology provides substantial energy savings over traditional air conditioning systems. As a matter of fact Eclipse's ducted ADT has shown to be as much as 40% more efficient when evaluated against the Seasonal Energy Efficiency Ratio (SEER).

## The future in comfortable living

### TEMPERATURE VARIATION & POWER CONSUMPTION



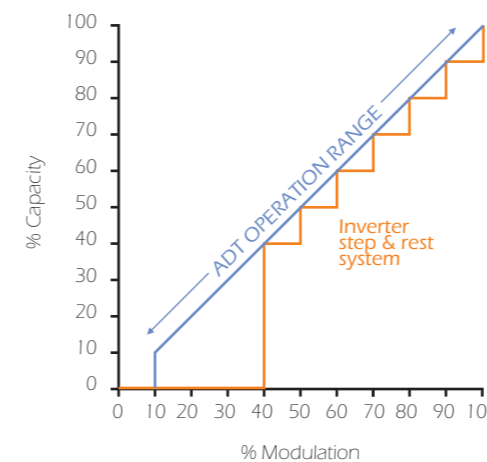
Eclipse's ADT is capable of keeping a more precise temperature inside your home to within  $\pm 0.2$  of a degree.

## Energy Smart Performance.

At the heart of Eclipse's ducted ADT technology is the sophisticated digital variable capacity compressor. The beauty of this technology is its inherent simplicity, instant and infinite capacity range, superior humidity control and reduced running costs.

The digital scroll has a simpler architecture than inverter technology, thereby increasing reliability and future maintenance costs.

### CAPACITY RANGE



### CSIRO REPORT

The CSIRO was commissioned to calculate the energy savings of the Advantage Air Fresh Air and Gen III 500 systems. In order to do these calculations, estimations had to be made on a range of variables, including the size of the house (201msq of air conditioned area), location of the house (Perth, Western Australia), electrical, lighting, power supply of the air fan, occupancy of the house and usage of the air conditioning.

The CSIRO concluded that for these estimates, a ducted air conditioning system with Fresh Air and Gen III 500 would reduce energy usage by 38% and save \$973.00 per annum on a given energy tariff. This comparison was made against the same system under the same estimations, using conventional "constant volume" technology. The actual saving for each home will vary on each of these variables.

	TYPICAL INVERTER	DIGITAL SCROLL
MICROPROCESSOR	Multiple	Single
ELECTRONIC EXPANSION VALVE	Multiple	Single
HOT GAS BYPASS SYSTEM	Required	Not Required
LIQUID BYPASS SYSTEM	Required	Not Required
OIL SEPARATOR	Required	Not Required
ELECTRONIC SUPPRESSION	Required	Not Required

The digital scroll also offers the widest system capacity range of 10% to 100%. The capacity range of an inverter is often shown as the frequency range of the compressor. This is often shown as 40Hz to 120Hz. When fitted to a system this could mean a capacity range of only 50% to 100%.

Moreover the digital scroll can achieve its continuous spectrum of capacity output instantly, ensuring a much tighter control of room temperature. This is an improvement over inverter technology which can only adjust its capacity output in steps.





You'll sleep easy with the security of Australia's longest warranty.

Using an Eclipse ducted reverse cycle air conditioning unit will give you the most versatile, as well as the most efficient way, of heating a home.

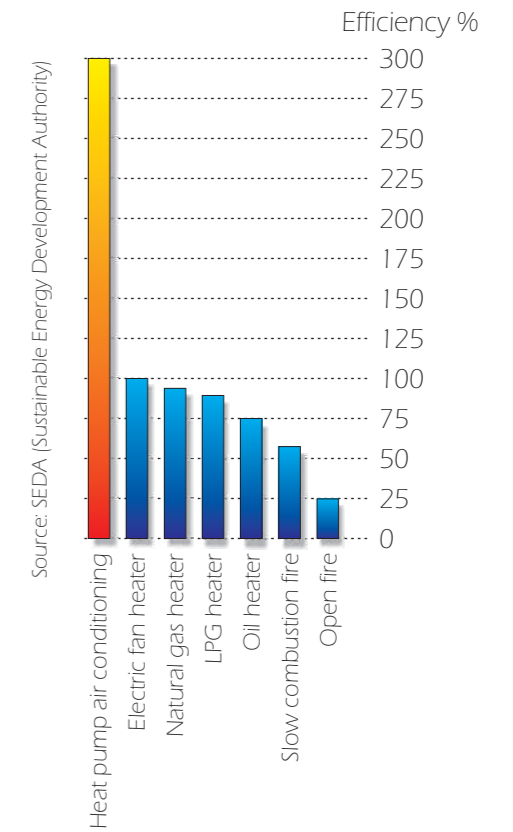
Eclipse reverse cycle ducted air conditioners absorb heat from the outside of your home and transfer it to the interior. They also have the advantage of heating without the risk of dangerous fumes, fuel or high temperatures associated with starting fires or for small hands to get burnt on.

Even more exciting, because Eclipse ducted air conditioners are ducted to every room, they control the temperature to the entire home equally, no hot or cold spots, giving you the sensation of a perfect day no matter how extreme the weather is outside. So now every day is shorts and tee shirt weather.

But that's not all... Because Eclipse ducted units are concealed inside your roof, there are no annoying noises or drafts while you are trying to watch TV.

Wouldn't you rather be living in a home with Eclipse ducted air conditioning ?

## Enjoy a relaxing getaway with the money you save



## Because peace of mind is worth everything



Eclipse National are one of the largest air conditioning manufacturers in Australia. We have been manufacturing air conditioners for over 15 years. .

You'll be pleased to know that while other companies are working out ways to make a better toaster or how to create a more effective ad, we are continuously researching and developing and building on our reputation.

Every Eclipse ducted air conditioning unit is built right here in Australia. So not only will your money stay in this country, you will never have to worry about replacement parts or service.

But even more exciting, to show our commitment to you, we offer a five year warranty\*^ on the entire range of Eclipse ducted air conditioner products, giving you peace of mind, so you and your family can enjoy years of pleasure.

Imagine how that would make you feel ?

\* 2 year commercial warranty  
 ^ Terms & conditions apply. Please check prior to purchase.



No other system offers this level of technology, sophistication or control.

Eclipse ducted air conditioners bring you a new level of comfort and energy savings to air conditioning systems. Eclipse ITC (Independent Temperature Control) technology is the ultimate in climate control.

Eclipse's ITC gives you the ability to have any part of your home (zones) set at different temperatures. Sensors placed in a zone monitor the temperature then a powerful microprocessor adjusts the airflow to keep that zone to your desired temperature. As the heat loads in any zone change, the Eclipse computer logic adjust, giving you the ultimate in climate control. Eclipse ducted units are so intelligent, they even adjust the fan speeds for different size zones keeping your system quiet and eliminating the chance of potential damage.














Eclipse ITC technology not only gives you the ultimate in comfort, it also makes the system more economical. Air is stopped from entering into zones that have already reached and exceeded the desired temperature (see diagram 2) and is diverted to zones where it is needed most. No more wasted air. ITC also eliminates the problems of west facing rooms staying too warm, while east facing rooms become too cold (see diagram 3). This gives the Eclipse ITC controlled system much faster cooling times.

In fact, CSIRO have tested this technology to save you \*26% on your running cost compared to the same system without the ITC feature. By adding our outside air option, you will get a further \*12% saving totaling a massive \*38% on your total running costs.

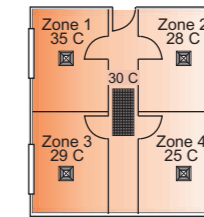
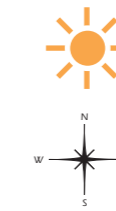
Also an industry first, Eclipse advanced computer controlled systems in the ducted units allow you to set timers for different zones. So, while your ducted air conditioning system cools/heats your living areas throughout the day, you can pre-program it to turn on the bedrooms automatically before bed time approaches. Now that's thinking.

## Life was meant to be easy

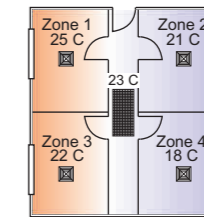
With a powerful micro-processor controlling every aspect of your Eclipse air conditioner, you'll always be in total control of your environment. Stylish with a slimline design, full of features yet easy to operate.

-  **COOLING MODE**  
One touch cooling
-  **HEATING MODE**  
One touch heating
-  **AUTO CHANGE OVER**  
Select the auto feature & let Eclipse intelligence give you year round comfort.
-  **FAN ONLY**  
Provides air circulation throughout your home.
-  **FAN SPEED**  
3 speed adjustable air flow
-  **AIR FILTRATION SYSTEM**  
Removes dust & contaminants from your home.
-  **SCROLL COMPRESSOR**  
Less moving parts means quieter, better efficiency extra reliability & cheaper to run
-  **24HR TIMER**  
Set your air conditioner to turn on/off from 1-24hrs.
-  **7 DAY TIMER (OPTIONAL)**  
Allows you to set your air conditioner to turn on/off for a period of 7 days with 4 events per day.
-  **RESTART PROTECTION**  
Protects your compressor from damage by isolating for 4 minutes upon restart.
-  **NOISE MINIMISATION**  
Acoustically insulated sealed compressor compartment & variable speed fans for quieter operation.
-  **SYSTEM WARM UP**  
Delays internal fan start up on heating cycle till air temperature reaches 30.
-  **DEFROST SMART CYCLE**  
Automatically senses ice build up on the outdoor coil & activates defrost cycle.

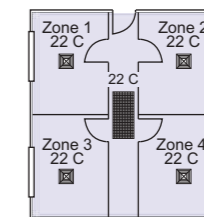
## A new level in climate control comfort



**(1) With air conditioning system turned off.**  
Different heat loads at different parts of the day produce different temperatures inside the home.



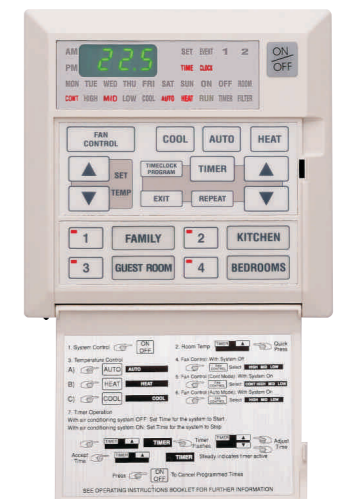
**(2) With standard air conditioning system**  
A standard air conditioning system takes its temperature reading from a central point, cooling the entire home at the same rate. This will make some zones too cold while other zones stay hot.



**(3) With Eclipse ITC controlled system**  
The Eclipse ducted unit will instantly work out how much cool air is required to every part of the home & deliver the exact amount of cooling. No air is wasted into zones that have already reached temperature. Saving you money.

\*For full report view CSIRO Report CMIT 0-2004-230

Eclipse ducted air conditioners are the most advanced systems available on the market today. They feature technology that not only makes your life easier, but also to saves you money. Before you purchase a ducted air conditioner compare a few of our standard features.



7 day optional wall controller shown

**ZONE CONTROLLER**  
Built in zone controller allows you to break up your home into 4 different areas without any chance of potential damage.

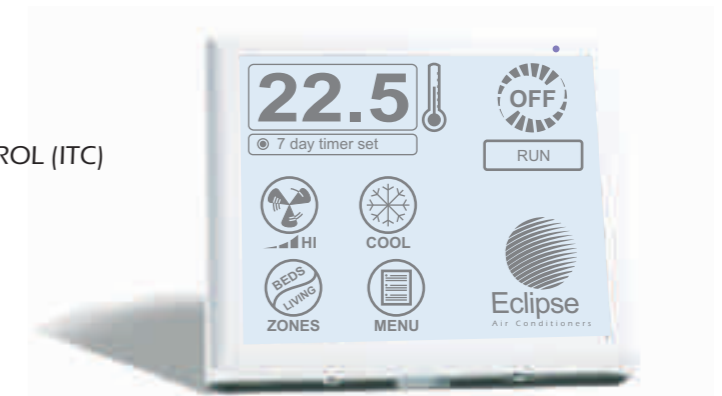
# The Worlds most Advanced Ducted Air Conditioning Technology



Energy Smart

## There's Digital, then there's Eclipse Digital

Eclipse Digital with ESL (Energy Smart Logic) technology are the most advanced systems available on the market today. ESL brings a range of features and technology that not only make your system cheaper to run but are also designed to keep you more comfortable. Units fitted with ESL can save you up to 26% on your running costs when compared to a similar system without this technology.



ESL LCD Touchscreen control panel makes operating the Eclipse unit child's play.

### INDEPENDENT TEMPERATURE CONTROL (ITC)

Built in ITC zone controller allows you to keep your home at different temperatures in 5 different zones making this the most economical and advanced system available on the market.

### FULL LOGIC TIMER (FLT)

Allows you to pre-program your air conditioner to turn on/off, set different temperatures & open & close zones at different parts of the day.

### SINGLE EVENT TIMER

Set your air conditioner to turn on/off, change temperatures or open & close zones.

### QUIET MODE

Turns down the entire operation of your air conditioners for minimal noise at sensitive times.

### SYSTEM LOCK

Allows you to lock your air conditioner so a special pin is needed to make any changes.

### MIN / MAX TEMPERATURES

Automatically turns on if the temperatures inside your home unexpectedly become extreme.

### MEMORY EVENT LOG

Records every aspect of your system to allow for more precise diagnostics.

### 3 PHASE PROTECTION

Protects your compressor from damage caused by reversed 3 phase rotation after a storm.

### SCROLL COMPRESSOR

Less moving parts means quieter, better efficiency extra reliability & cheaper to run

### ALPHA NUMERIC READOUT

The Eclipse LCD touchscreen control panel tells you every aspect of your unit in written English. No codes to decipher.

### FILTER ALERT

A dirty filter warning system reminds you to clean your filter to prevent costly damage.

\* Please note that all options may not be available at time of print. Please check prior to purchase.



Smarter technology gives you greater comfort, faster cooling/heating whilst being cheaper to run.