



# HEATING & ADD-ON COOLING

*Australia's most efficient Ducted Gas Heating System*



*Australia's favourite  
climate systems*

# Welcome to **Brivis**

Brivis has been helping people choose climate systems for their homes for over 40 years. The Brivis reputation for innovation, quality and reliability has made it the top selling central heating system in Australia. We have created this information guide to help you choose your Brivis heating system. It will enable you to make an informed decision about the heating system that best suits you, your home and your lifestyle.

## **Our commitment to the environment.**

At Brivis, we are dedicated to creating energy efficient heating products. This focus led us to create the High Efficiency (HE) range of heaters which won the highly regarded Galaxy Energy Awards, five years in a row.



We have also made significant improvements to our manufacturing processes to reduce our greenhouse emissions that have resulted in national and international recognition. These include

- Galaxy Environmental Excellence Award two years running
- SEAV Energy Gold Award
- UTC's Energy Conservation Award



As a continuing commitment to the environment, Brivis has joined the Greenhouse Challenge. This is an initiative run by the Australian Greenhouse Office whereby Brivis has agreed to further reduce Greenhouse gas emissions resulting from our manufacturing.

## **Australian made.**

Brivis is the market leader and has been designing and manufacturing climate systems in Australia for 40 years. Our manufacturing operation in Victoria employs hundreds of Australians whose work is world class.



Each Brivis system is made to withstand the extremes of the Australian climate and adheres to ISO 9001 Quality Systems and EMC (Electromagnetic Compatibility) standards. That's why our products have guarantees of up to 10 years. Is it any wonder they have won this many awards?

## **We've got the size to suit you.**

To ensure your heater performs to its maximum capabilities, Brivis has designed a unique sizing guide system. Provided to every one of our authorised dealers, the sizing guide helps determine the right unit for your house, no matter where you live in Australia.

The dealer enters your house details, including the location, into the computer and the sizing guide software does the rest. It selects a system that will provide you with the best performance, efficiency and economy. If the equipment doesn't perform to our standards, Brivis will rectify the problem free of charge, or refund your money.

## **Installed in only a day.**

The performance of your heater relies a great deal on its installation. At Brivis, we have a national network of authorised dealers to install your heater for you. And they'll usually only take a day to do it. Specialists, selected and trained by Brivis, our dealers will provide you with a quality installation backed by a performance guarantee.

# Australia's favourite climate systems



## Whole house heating.

With ducted heating you never have to walk out of a warm room into a cold one. You can be watching TV while the kids are in bed, and everyone stays warm.

Gas ducted central heating is without a doubt the most cost effective way to heat your entire house. You can save up to \$300\* per year in operating costs to heat your entire house using a high efficiency gas ducted heater compared to using a reverse cycle ducted split air conditioner or gas space heaters.

A household using electrical appliances for heating produces three times\*\* more greenhouse gas emissions than a household using ducted gas appliances.

## Move to a warm zone.

Ducted central heating offers heating flexibility through zoning. Zoning enables you to divide your home into sections so living areas can be heated during the day and sleeping areas at night, or whatever suits you. Zoning is not only practical but economical. It can reduce your gas bill by up to \$200 per year in a typical home.\* Ask your dealer about the zoning option.

## What is Ducted Heating?

Ducted central heating comprises a central heating unit, which is connected to a series of outlets. Positioned strategically throughout your home, these outlets, or ducts, are installed either in the floor or ceiling. Installation of the heating unit depends on your house. If your house is built on a concrete slab, the unit is installed in the roof. If it has space underneath or a very low roof line, the unit is installed outside or under the floor. The ductwork, which connects the outlets to the heating unit, is neatly tucked away out of sight.

## How does it work?

The heating unit draws air from inside your house through a return air grille. From here it then flows into the heater where it's warmed, and then on to every room of your home via outlets, in the form of warm, gentle air.

### Key Points

- *Brivis has been helping people choose climate systems for 40 years.*
- *Heating is a long term investment. So buy a system that suits your lifestyle.*
- *The most effective and inexpensive way to power any heater is with natural gas.*
- *Ducted central heating heats your whole house.*

\* Sustainable Energy Authority Victoria, 2004 for a house size up to 150m<sup>2</sup>

\*\*AGA (Australian Gas Association)

# Multiplex Series

## The most energy-efficient, environmentally friendly gas ducted heater in Australia.

The Multiplex Series (MPS) includes both High Efficiency (HE) 5.5 star energy-rated heaters and



Medium Efficiency (ME) 4 star-rated heaters. The HE series has won the Australian Gas Association's Appliance of the Year award, as well as Galaxy Awards for the most energy-efficient product five years in a row. They are the most technically advanced, and efficient heaters on the market today.

## Advanced technology.

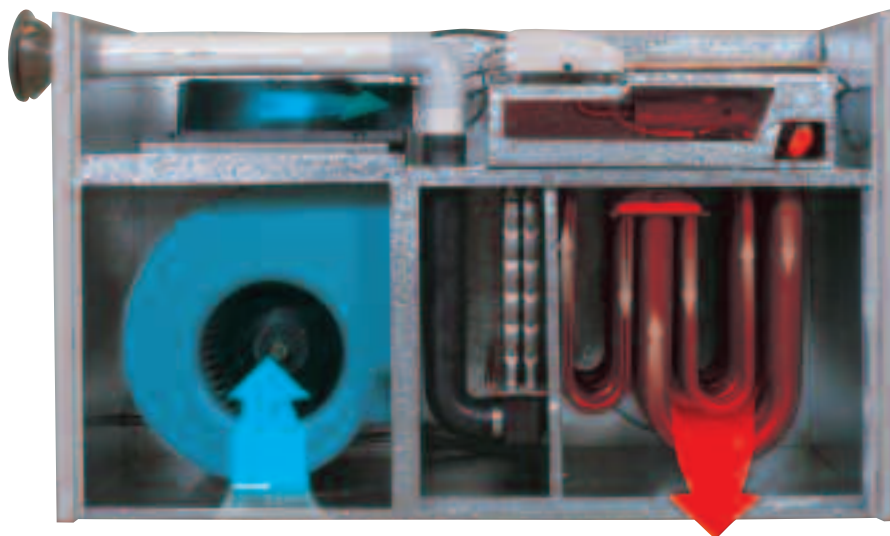
The technology used in the MPS series is a culmination of Brivis' 40 years of heating experience in Australia. The MPS features ensure that the heaters are far more effective at heating your home, with the least amount of energy and expense. Every stage of the MPS's operation has been designed to make it more reliable, unobtrusive and healthy for you.

All MPS heaters have a Hot Surface Ignition (HSI) system to start the heater. Two flame sensors on either side of the burner send a signal to confirm that there is



ignition across the whole burner. The gas then comes on fully and the circulation fan starts slowly and gently ramps to the optimum speed for heating the house. This ensures that the start up of the heater is extremely quiet and that you don't feel a cold draught when the fan starts.

The MPS High Efficiency (HE) units have a unique secondary heat exchanger which maximises the heat transferred into your house and minimises wastage. The MPS series have very advanced Energy Management Systems. The first benefit of the Energy Management System is zoning, which effectively means you can divide your home into four separate heating areas. During the day, you can heat the living



*Airflow through the HE external.*



# Australia's most efficient Ducted Gas Heating



areas, and during the night, your bedrooms. If you want the whole house heated at the same time, you can heat all zones. And the whole process is automatically controlled by your wall controller. It's up to you. Ask your dealer about the zoning option.

The second great energy advance is the exclusive Brivis Adaptive Zoning System, the ability of the MPS to reduce it's output by up to 60%. The heater detects how many outlets you are currently operating and reduces the energy and fan requirements automatically. This means that if you only want certain parts of your house heated, you're not wasting energy.

Once the temperature inside your home reaches your pre-set temperature, the burners inside the heating unit will turn off. The fan then gradually slows down ensuring that all the remaining heat inside the unit is used to heat your house.

## Guaranteed to last.

The MPS series of heaters come in both external and internal models, which are designed and made in Australia to withstand our variable and often harsh climate.

## Great looks.

The MPS units are designed to fit easily into any roof, under the floor or unobtrusively beside the house.



The internal MPS can be divided into two pieces for easy installation.

## The most choices.

The MPS series has several different options and models to choose from so that you can select the right heater for your needs. Brivis dealers and installers are carefully selected and trained by us to help you get the most from your investment. So talk to them or call us on 1800 777 743 to discuss your options.

The MPS heater is controlled by our most advanced thermostat, the Networker. There are also both natural gas and LPG models, zoning options and 4 and 5+ star energy rating models available. Refer to the table on page 8 for full details. The MPS has Extra Air (XA) models available to suit the Brivis ICE add-on refrigerative cooling system, giving you total climate control all year round.

The MPS heater can also be connected to home automation systems using the Brivis 529 Interface. Ask your dealer for more details.

### Key Points

- The MPS is the most energy-efficient and environmentally friendly gas ducted heater in Australia.
- The Hot Surface Ignition System means you have no pilot light which further saves on running costs.
- The gradual fan start up and cool down means no cool drafts in your home and increased heater efficiency.
- The unique secondary heat exchanger makes the MPS 5.5 star heater the most energy-efficient in Australia.
- The Auto Energy Management System can reduce the heater's output by up to 60%.
- MPS units with Brivis ICE add-on cooling enable you to have year round climate control.
- Adaptive Zoning - Economy and comfort.

# The Classic Series

## Australia's favourite.

The Brivis Classic series of heaters are Australia's favourite gas ducted heaters. More Classic heaters have been sold in Australia than all other brands combined. Classic heaters come with energy ratings from 2.5 to 3 stars.

## Heaters for all homes.

The Classic series includes heaters for all types of homes. The Two Piece Wombat range of heaters have a 3 star energy rating, which means lower running costs for you. And plenty of air for Brivis ICE add-on cooling.



*The Two Piece Wombat for easier installation.*

The Buffalo Series heaters are designed to be installed outside your home, in the backyard or courtyard.

Our Upflow and Downflow heaters are designed to be installed in a cupboard or under the stairs. Ideally suited for townhouses, units and the replacement market.



## Guaranteed to last.

The Classic series of heaters are designed and made in Australia to withstand our variable and often harsh climate.

## The most choices.

The Classic series has several different options and models to choose from so that you can select the right heater for your needs. Brivis dealers and installers are carefully selected and trained by us to help you get the most from your investment. So talk to them or call us on 1800 777 743 to discuss your options.

The Classic series comes with a choice of three controllers - the Networker\*, Manual or Programmable Controller. Some models also come with the option of extra air (XA) and LPG.



*The external Buffalo.*

### Key Points

- *The most popular ducted heater in Australia.*
- *Heaters for all homes.*
- *2.5 and 3 star energy rating models to choose from.*
- *Compatible with Brivis ICE add-on refrigerative cooling.*
- *Choice of thermostats.*

\*Requires an interface to be fitted.

## Would you like ICE with that?

Now you have decided on your Brivis heater, we can also assist you in determining your cooling needs, providing you with year round comfort. The Brivis ICE system is an air conditioner that provides filtered, dehumidified, cooled air through the same ducts as your heating system using the fan in your heater to distribute the air. Brivis ICE can be installed at the same time as the heater or at a later date\*.



## How does ICE cool your home?

There are four simple processes in providing you with cool air

- Air from inside the house is drawn and filtered through a return air grille.
- The air then passes through an indoor coil where the heat in the air is transferred to the refrigerant.
- The now cold air passes through ductwork and into the rooms via the ceiling or floor vents.
- The heat given up by the air in the indoor coil is carried by the refrigerant to an outdoor coil where it is dissipated to the outside air.



*The ICE series indoor coil unit is incorporated to your heating ductwork.*



*The ICE series outdoor unit.*

## Controlling the ICE

The Brivis ICE system can be controlled by either the Networker or the Programmable Controller (for more information see page 7). The Networker enables you to create up to four separate zones. Combinations of these zones can be programmed to switch on and off when required or programmed.

The Brivis ICE system using advanced technology coupled with Brivis gas heating creates the perfect climate inside regardless of weather conditions outside your home.

### Key Points

- Adds on to Brivis heating.
- Filtered, dehumidified, cool air.
- Networker controls both heating and cooling.
- Perfect Home Climate Control.
- Zoning.

\*When installing a Brivis ICE system to an existing gas heating system, care must be taken to ensure the duct system is sized and designed correctly. If you are installing a heating system and plan to install Brivis ICE at a later date, then ensure that you advise your dealer and they will size the system accordingly.

# Controllers suitable for both Heating & Cooling

## You're in control.

To give you maximum control over the way you heat or cool your house, we have three compact wall controllers to choose from. Available in manual and automatic models, each controller is easy to read, unobtrusive and technologically advanced, without being unnecessarily complicated to use.

## The Networker.

The Networker can operate in either auto or manual modes. In manual mode, you set your own temperature, then leave the rest to the Networker. It will maintain the temperature you have chosen, until you choose to turn it off.

In auto mode the Networker allows you to preset temperatures and times to turn the heater on and off, in each individual zone. This means that you can wake up to a nice warm house. The Networker is designed with an easy-to-use rotary dial, an easy-to-read LCD screen and is backlit using state of the art Electro-Luminescence (EL) technology, making the screen easier to read in poorly lit areas or at night.

When zoning, two Networkers can be used together to provide enhanced temperature control. During warmer weather the Networker can be used to operate a Brivis cooling system.

When in cooling mode, the Networker can be programmed to turn off after you've gone to sleep giving you comfortable sleeping conditions.



## The Programmable Controller.

The Programmable Controller can operate in either auto or manual modes. In auto mode you preset temperatures and times for the heating/cooling system to turn on and off. Alternatively the manual mode allows you to turn the heating/cooling system on or off as desired.



## The Manual Controller.\*

The Manual Controller is a simple to use control where you set the temperature when you want heating.



### Key Points

- Available in manual and automatic models.
- Easy to use.
- EL technology gives uniform and clear backlighting of the Networker display.
- Two networkers can be used together for enhanced climate control.

\*Cannot be used with Brivis ICE system.



# Specifications Heating

Models	Star Rating	Wall Control	EMS	Ignition	Output kW	Airflow in L/s*		Dimensions			Weight Kg
						Std	XA	L	W	H	
<b>Multiplex (MPS) Series</b>											
<i>External</i>											
HE30e	5.5	N	EMS	HSI	30	990	1035	1160	580	780	90
HE20e	5.1	N	EMS	HSI	20	725	835	1160	420	785	70
ME30e	4.0	N	EMS	HSI	30	1050	1050	1160	580	780	88
ME20e	4.0	N	EMS	HSI	20	725	835	1160	420	785	69
<i>Internal</i>											
HE30i	5.5	N	EMS	HSI	30	1010	1065	1105	545	660	78
HE20i	5.1	N	EMS	HSI	20	765	860	1065	400	660	72
ME35i	4.0	N	EMS	HSI	35	1120	-	1105	545	660	75
ME30i	4.0	N	EMS	HSI	30	1115	1120	1105	545	660	75
ME20i	4.0	N	EMS	HSI	20	765	860	1065	400	660	71
<b>Classic Series**</b>											
<i>Buffalo - External</i>											
B26	2.8	N/M/P	-	ISI	26	815	1060	1320	565	1175	114
B20	2.8	N/M/P	-	ISI	18.5	490	585	1090	395	1130	74
B15	2.8	N/M/P	-	ISI	13.5	490	-	1090	395	1130	74
<i>2 Piece Wombat - Internal</i>											
2PW 26	3.0	N/M/P	-	ISI	25.5	940	1025	1080	525	812	64
2PW 20	3.0	N/M/P	-	ISI	20	590	780	1000	400	784	49
2PW 15	3.0	N/M/P	-	ISI	14.5	530	-	1000	400	784	49
<i>Upflow / Downflow - Internal</i>											
U26	2.5	N/M/P	-	ISI	26	1050	1170	485	565	1250	76
U20	2.5	N/M/P	-	ISI	20.5	540	605	457	395	1122	53
D20	2.5	N/M/P	-	ISI	20.5	525	560	457	395	1122	53

\*All 26, 30 and 35 models are quoted @ 125Pa total static pressure. All other models @ 50Pa.

N = Networker P = Programmable M = Manual HSI = Hot Surface Ignition ISI = Intermittent Spark Ignition EMS=Energy Management System

Due to constant innovation the product range may change without notice.

\*\*All Classic heaters are Networker compatible but require an interface to be fitted at additional cost.

## Our Guarantee to you

Brivis has the reputation for making products of the highest quality so in our opinion you won't need our warranty but, for your peace of mind, we offer a 10 year warranty on the heat exchanger and burners and our heaters have a 3 year parts and labour warranty.

On MPS heaters, Brivis offers you an option of an extended 2 year warranty\*

\*Conditions apply: See Brivis heaters owners manual for further warranty terms and conditions.

# Specifications Cooling

## ICE Specification Tables.

Add-On Selection Chart			
Heater Model	Recommended Outdoor Model	Recommended Indoor Model	Nominal Cooling Capacity (kW)
MPS20 std	CDUI2A-7	IDUI2A	11.3
MPS20 XA	CDUI5A-7H or CDUI5A-7D or CDUI5A-9	IDUI5A	15.3
MPS30 std	CDUI8A-9	IDUI8A	17.1
MPS30 XA	CDUI8A-9	IDUI8A	17.1
MPS35	CDUI2A-9	IDUI2A	20.6
2PW15, 2PW20, B15, B20	CDUI0A-7	IDUI0A	9.5
2PW20XA, B20XA	CDUI0A-7	IDUI0A	9.5
2PW26, B26	CDUI2A-7	IDUI2A	11.3
2PW26 XA, B26 XA	CDUI5A-7H or CDUI5A-7D or CDUI5A-9	IDUI5A	15.0
MPS 20 (Pre Sep 2001)	CDUI0A-7	IDUI0A	9.5*
MPS 30 (Pre Sep 2001)	CDUI5A-7H or CDUI5A-7D or CDUI5A-9	IDUI5A	15.3*
MPS20 std (Oct 2001 to Sep 2003)	CDUI0A-7	IDUI0A	9.5
MPS20 XA (Oct 2001 to Sep 2003)	CDUI2A-7	IDUI2A	11.3
MPS30 std (Oct 2001 to Apr 2003)	CDUI2A-7	IDUI2A	11.3
MPS30 XA (Oct 2001 to Sep 2003)	CDUI5A-7H or CDUI5A-7D or CDUI5A-9	IDUI5A	15.3

\* The ducting must be increased in size and expanders must be fitted to pops to enable larger ducting. NOTE: XA Heaters have larger pops fitted.

Outdoor Unit		CDUI0A-7	CDUI2A-7	CDUI5A-7H	CDUI5A-7D	CDUI5A-9	CDUI8A-9	CDUI2A-9
Nominal Cooling Capacity	kW	9.5	11.3	15.3	15.3	15.3	17.1	20.6
Compressor Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Operating Range	OC	15 - 45	15 - 45	15 - 50	15 - 50	15 - 50	15 - 50	15 - 50
Dimensions - Outdoor (LxWxH)	mm	1100 x 360 x 830	1100 x 360 x 830	1100 x 360 x 1366	1100 x 360 x 1366	1100 x 360 x 1366	1100 x 360 x 1366	1100 x 360 x 1366
Weight (Outdoor)	kg	107	110	136	136	136	138	154
Sound Power Level (outdoor)	dB(A)	66	66	67	67	66	67	70
Refrigerant Type		R22	R22	R22	R22	R22	R22	R22
Chargeless Length	m	15	15	15	15	15	15	15
Refrigerant Connection Pipe Sizes								
Gas	mm	19.1	19.1	28.6	28.6	28.6	28.6	28.6
Liquid	mm	9.5	9.5	9.5	9.5	9.5	9.5	12.7
Refrigerant Recommended Pipe Sizes - System								
Gas 0-15m	mm	19.1	19.1	22.2	22.2	22.2	28.6	28.6
Gas 16-30m	mm	22.2	22.2	28.6	28.6	28.6	28.6	28.6
Liquid 0-15m	mm	9.5	9.5	9.5	9.5	9.5	9.5	12.7
Liquid 16-30m	mm	9.5	9.5	9.5	9.5	9.5	9.5	12.7
Voltage		240 - 1 - 50	240 - 1 - 50	240 - 1 - 50	240 - 1 - 50	415 - 3 - 50	415 - 3 - 50	415 - 3 - 50
Full Load Current	A	21.6	25.9	26.1	26.1	16.2	16.2	19.0
Single Phase Start Type		Hard	Hard	Hard	Soft	n/a	n/a	n/a
<b>Indoor Unit</b>		<b>IDUI0A</b>	<b>IDUI2A</b>	<b>IDUI5A</b>	<b>IDUI5A</b>	<b>IDUI5A</b>	<b>IDUI8A</b>	<b>IDUI2A</b>
Dimensions - Indoor (LxWxH)	mm	615 x 545 x 430	615 x 545 x 430	675 x 610 x 535	675 x 610 x 535	675 x 610 x 535	675 x 610 x 535	780 x 750 x 550
Weight (Indoor)	kg	27	30	40	40	40	43	50
Duct Spigot (Inlet)	mm	350	350	400	400	400	400	450
Duct Spigot (Outlet)	mm	350	400	400	400	400	450	500
Pipe Connection Sizes (Indoor)								
Gas	mm	19.1	19.1	28.6	28.6	28.6	28.6	28.6
Liquid	mm	9.5	9.5	9.5	9.5	9.5	9.5	12.7
Drain Connection	mm	20	20	20	20	20	20	20

## Warranty

Because Brivis has been helping people choose climate systems for their homes for more than forty years you can rely on us for total quality. Our extensive and ongoing investment in research and design means every model we make is the best possible design for Australian families and Australian conditions. Every Brivis ICE Series cooling system comes with a full five year warranty on parts and labour.<sup>†</sup> However our ongoing commitment to quality control and research means its highly unlikely you'll ever need to use our warranty.

<sup>†</sup> 5 year warranty only applies to domestic installations. Commercial installations have a one year parts & labour warranty.

Due to our policy of continuous improvement, product specifications and details are subject to change without notice

### **Service Centre.**

Operating 7.30am to 7.30pm Mon-Fri and 8.00am to 2.00pm Saturday, the Brivis Service Centre provides nothing but quality service. We can answer your questions over the phone or have one of our dedicated technicians come out to your home. Simply call our national number for assistance on 1800 335 094.

### **Advice Centre.**

Operating from 7.30am to 5.30pm Mon-Fri, our advice centre can help select the right product for you. Call us on 1800 777 743.

#### **Brivis Australia**

61 Malcolm Rd  
Braeside  
Vic, 3195  
Ph +61(03) 9264 9555  
Fax +61(03) 9264 9400  
www.brivis.com.au  
email: customer.sales@brivis.com.au

#### **Brivis New Zealand**

Distributor: Warm Air Ltd  
PO Box 38 523  
Wellington Mail Centre  
Wellington, NZ  
Ph +64(04) 568 8269  
Fax +64(04) 568 9910  
www.warmair.co.nz  
email: sales@warmair.co.nz

#### **Brivis South Africa**

Distributor: Lorenz and Associates  
Northlands Deco Park  
Cnr Witkoppen and Newmarket Roads  
North Riding, Johannesburg 2194  
Ph +27(011) 704 6111  
Fax +27(011) 704 0022  
24 Hour Service +27(011) 704 6116  
www.brivis.co.za  
email: info@brivis.co.za



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**Sales 1800 777 743 Service 1800 335 094 [www.brivis.com.au](http://www.brivis.com.au)**

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