

# DualComfort™

## Keep your energy costs to a minimum

The combination of Ducted Gas Heating with refrigerative cooling provides a superior whole home climate control solution at an affordable rate.

## The ultimate form of air-conditioning

The system combines the best form of heating and the best form of cooling. It can be zoned, utilises common ductwork and allows you to maintain your desired level of comfort all year.

## Better performance in cold ambient temperatures

When the outside temperature drops close to zero the Ducted Gas Heater of the DualComfort™ heating and cooling solution outperforms electric reverse cycle systems. In colder weather, gas heating is more effective and more comfortable, as the heat output of gas appliances is not affected by low ambient temperatures, which is the case with reverse cycle systems.

## Considering cooling? You should read this.

The Brivis StarPro series of Ducted Gas Heaters provide the flexibility to integrate a Brivis ICE™ (Integrated Cooling Equipment) refrigerated system, all while using the exact same ductwork and grilles - saving you both time and money. We call this technology, Brivis DualComfort™.

The Brivis DualComfort™ whole of home Ducted Gas Heating and refrigerative cooling solution allows you to create that perfect feeling of

comfort throughout your home. DualComfort™ provides both refreshing, refrigerated cooling, or comfy gas heating. The technologies used in the DualComfort™ heating and cooling solution combines a StarPro series Ducted Gas Heater with Brivis ICE™ and a Networker controller - and are a culmination of 50 years of Brivis heating and cooling experience in Australia.

## DualComfort™ product features

- ZonePlus™ compatible (StarPro only)
- Advanced control options
- Australian designed, locally made for more than 50 years
- Brivis ICE™ Add-On refrigerated cooling system
- Electronic ignition and integrated diagnostics
- Duct work installation flexibility (under floor or in roof space)
- Heating and cooling from the one controller

## Flexible installation options

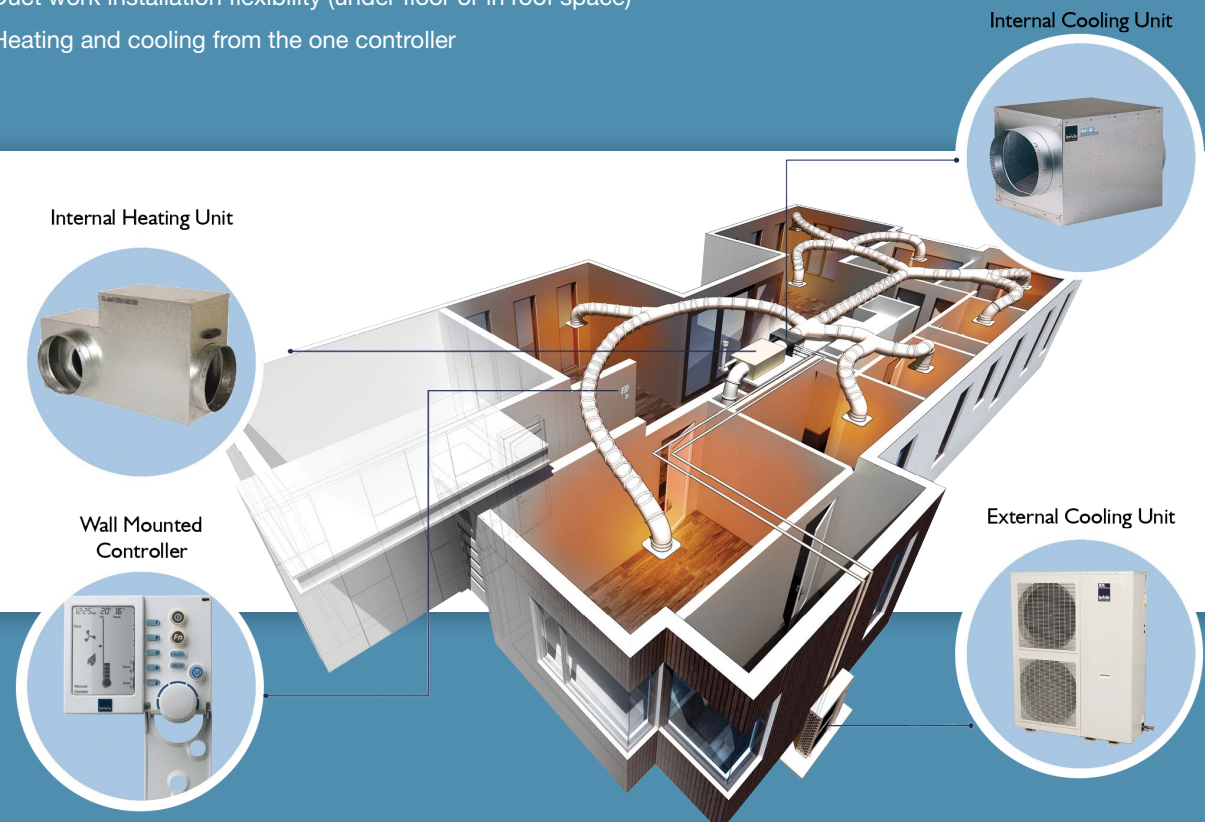
With the DualComfort™ heating and cooling solution you can install both the gas heating and refrigerated cooling at the same time, or install just the heating first, ready for the cooling to be added in at a later date. Simple.

Ask your installer about being Brivis ICE™ ready

## What makes DualComfort™ ducted air conditioning so attractive?

- Fully integrated gas heating and Brivis ICE™ refrigerated cooling system. The best of both worlds
- Staggered installation options allowing you to install heating first and cooling later, lowering your initial upfront cost
- Common ductwork and grilles for both heating and cooling to rooms, meaning low cost installation
- Flexibility to customise system for whole-of-home or zoned heating and cooling, meaning lower running cost
- Brivis NC-6 Networker controller has built in zoning functionality which is simple and easy to use

When installing a Brivis ICE™ Add-on refrigerated cooling system to an existing Ducted 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™ Add-on refrigerated cooling system at a later date, then ensure that you advise your dealer and they will size the system accordingly.



Brivis ICE™

# Controllers

# Specifications

## The Brivis Networker

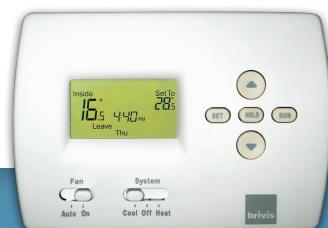
The Brivis Networker Controller can operate in either auto or manual modes. In manual mode, you set your own temperature, then leave the rest to the Networker. It will maintain the temperature you have chosen, until you choose to turn it off. In auto mode the Networker allows you to preset temperatures and times to turn the system on and off. This means that you can wake up to a nice warm house in winter.

The Networker is designed with an easy-to-use rotary dial, an easy-to-read LCD screen and is backlit using Electro-Luminescence (EL) technology, making the screen easier to read in poorly lit areas or at night. 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.

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

## Programmable Controller

The Programmable Controller can operate in either auto or manual modes. To program you simply preset temperatures and times for the heating/cooling system to turn on and off. This Controller is suitable for Brivis ICE™ system with the Classic Heater Range.



### Networker Features

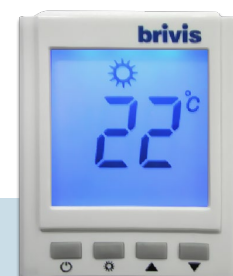
- Electro- Luminescence (EL) technology
- Large on-screen icons
- LCD backlit display screen
- Temperature dial
- Preset ON-OFF times
- On board diagnostics

### Sensor Features

- Slimline
- Discrete
- Non Volatile Memory

## Manual Controller

The Manual Controller is a simple to use heating only thermostat with a large easy to read digital display.



Brivis Ducted Gas Heater	Star Rating	Capacity (kW)	Airflow (L/s) @ 100Pa ESP	Dimensions (L x W x H)	Net Weight (kg)	Available in LPG / ULPG
<b>StarPro SP6 Series</b>						
SP615IN	6.0	14.0	630	1021 x 395 x 634	57	-
SP623EN	6.0	23.0	660	1046 x 416 x 750	68	ULPG
SP623EN-XA	6.0	23.0	705	1046 x 416 x 750	68	ULPG
SP623IN	6.0	23.0	720	1021 x 395 x 634	58	ULPG
SP623IN-XA	6.0	23.0	755	1021 x 395 x 634	58	ULPG
SP630EN	6.0	29.0	890	1096 x 568 x 810	89	ULPG
SP630EN-XA	6.0	29.0	1020	1096 x 568 x 810	89	ULPG
SP630IN	6.0	29.0	1085	1070 x 547 x 684	78	ULPG
SP630IN-XA	6.0	29.0	1120	1070 x 547 x 684	78	ULPG
SP635IN	6.0	35.0	1155	1070 x 547 x 684	78	ULPG
<b>StarPro HX Series</b>						
HX15I	5.7	15.0	630	1021 x 395 x 634	57	-
HX23E	5.8	23.0	660	1046 x 416 x 750	68	LPG
HX23E-XA	5.8	23.0	705	1046 x 416 x 750	68	LPG
HX23I	5.8	23.0	720	1021 x 395 x 634	58	LPG
HX23I-XA	5.8	23.0	755	1021 x 395 x 634	58	LPG
HX30E	5.7	29.0	890	1096 x 568 x 810	89	LPG
HX30E-XA	5.7	29.0	1020	1096 x 568 x 810	89	LPG
HX30I	5.7	29.0	1085	1070 x 547 x 684	78	LPG
HX30I-XA	5.7	29.0	1120	1070 x 547 x 684	78	LPG
HX35I	5.6	35.0	1155	1070 x 547 x 684	78	-
<b>StarPro SP5 Series</b>						
SP515IN	5.0	14.0	600	1021 x 395 x 634	53	-
SP521EN	5.0	21.0	645	1046 x 416 x 657	66	-
SP521EN-XA	5.0	21.0	685	1046 x 416 x 657	66	-
SP521IN	5.0	21.0	740	1021 x 395 x 634	53	-
SP521IN-XA	5.0	21.0	770	1021 x 395 x 634	53	-
SP530EN	5.0	30.0	995	1096 x 568 x 707	85	-
SP530EN-XA	5.0	30.0	1000	1096 x 568 x 707	85	-
SP530IN	5.0	30.0	1110	1070 x 547 x 684	71	-
SP530IN-XA	5.0	30.0	1170	1070 x 547 x 684	71	-
SP535IN	5.0	35.0	1190	1070 x 547 x 684	72	-

\* The two Networkers must be 'NC-3' or 'NC-6' models. The Networker cannot be used with Brivis ICE™ system on Classic heater range.



Brivis Ducted Gas Heater	Star Rating	Capacity (kW)	Airflow (L/s) @ 100Pa ESP	Dimensions (L x W x H)	Net Weight (kg)	Available in LPG / ULPG	
<b>Buffalo 5 Star Series</b>							
BX520	300mm base box	5.1	20.0	540	850 x 420 x 775	57	-
	350mm base box			600			
BX526	350mm base box	5.0	30.0	970	1030 x 580 x 895	67	-
	400mm base box			1040			
<b>StarPro MX Series</b>							
MX21E	4.4	21.0	645	1046 x 416 x 657	66	-	
MX21E-XA	4.4	21.0	685	1046 x 416 x 657	66	-	
MX21I	4.4	21.0	740	1021 x 395 x 634	53	-	
MX21I-XA	4.4	21.0	770	1021 x 395 x 634	53	-	
MX30E	4.3	30.0	995	1096 x 568 x 707	85	-	
MX30E-XA	4.3	30.0	1000	1096 x 568 x 707	85	-	
MX30I	4.3	30.0	1110	1070 x 547 x 684	71	-	
MX30I-XA	4.3	30.0	1170	1070 x 547 x 684	71	-	
MX35I	4.2	35.0	1190	1070 x 547 x 684	72	-	
<b>StarPro SP4 Series</b>							
SP415	4.1	15.5	555	845 x 397 x 625	65	-	
SP421	4.8	21.0	555	845 x 397 x 625	65	-	
SP430	4.2	30.0	953	923 x 549 x 644	84	-	
SP435	4.3	35.0	1041	923 x 549 x 644	84	-	
<b>Compact Classic Series</b>							
CC315IN	3.0	15.0	500	724 x 411 x 604	52	-	
CC320IN	3.5	19.5	500	724 x 411 x 604	53	-	
CC320IN-XA	3.5	19.5	570	724 x 411 x 604	53	-	
CC325IN	3.1	23.5	560	724 x 411 x 604	53	-	
CC325IN-XA	3.1	23.5	620	724 x 411 x 604	53	-	
CC330IN	3.3	30.0	940	843 x 564 x 640	71	-	
CC330IN-XA	3.3	30.0	1000	843 x 564 x 640	71	-	
<b>Classic Series</b>							
2P Wombat 15	3.6	14.5	495	1000 x 400 x 784	49	LPG	
2P Wombat 20	3.8	20.0	560	1000 x 400 x 784	49	LPG	
2P Wombat 20XA	3.8	20.0	725	1000 x 400 x 784	49	LPG	
2P Wombat 26	3.7	25.5	970	1080 x 525 x 812	64	LPG	
2P Wombat 26XA	3.7	25.5	1050	1080 x 525 x 812	64	LPG	
Buffalo 15	2.8	13.5	455	1090 x 395 x 1130	74	LPG	
Buffalo 20	2.8	18.5	455	1090 x 395 x 1130	74	LPG	
Buffalo 20XA	2.8	18.5	535	1090 x 395 x 1130	74	LPG	
Buffalo 26	2.8	26.0	845	1320 x 565 x 1175	114	LPG	
Buffalo 26XA	2.8	26.0	1090	1320 x 565 x 1175	114	LPG	
Downflow 20	2.5	20.5	485	457 x 395 x 1122	53	LPG	
Downflow 20XA	2.5	20.5	510	457 x 395 x 1122	53	LPG	
Upflow 20	2.5	20.5	490	457 x 395 x 1122	53	LPG	
Upflow 20XA	2.5	20.5	560	457 x 395 x 1122	53	LPG	
Upflow 26	2.5	26.0	1075	485 x 565 x 1250	76	LPG	
Upflow 26XA	2.5	26.0	1210	485 x 565 x 1250	76	LPG	

Brivis ICE™ - DualComfort™									
System Overview		10	13	15	17	18	22		
Power Supply		V-ph-Hz	220-240-1-50				400-415-3-50		
Mode			Inverter				Conventional		
Cooling Capacity	Nominal Capacity	kW	10	13	15	17	18	22	
	Rated Capacity <sup>1</sup>	kW	9.3	12.5	14.7	16.1	17.1	21.1	
	Capacity Range	kW	4.8 ~ 10.1	6.3 ~ 13.6	7.5 ~ 15.9	8.3 ~ 16.6	N/A		
	Rated Input	W	2.96	3.91	4.62	5.15	5.12	5.70	
	AEER		3.11	3.15	3.16	3.10	3.33	3.70	
<b>Brivis ICE™ Outdoor Unit</b>			<b>DONSC10Z7</b>	<b>DONSC13Z7</b>	<b>DONSC15Z7</b>	<b>DONSC17Z7</b>	<b>DO-SC18Z9</b>	<b>DO-SC22Z9</b>	
Power Supply		V-ph-Hz	220-240-1-50				400-415-3-50		
Maximum Input Current		A	22.0	28.0	30.0	30.0	20.9	20.9	
Compressor		Type	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	
Sound Pressure Level		dB(A)	62 <sup>2</sup>	62 <sup>2</sup>	62 <sup>2</sup>	62 <sup>2</sup>	56 <sup>3</sup>	56 <sup>3</sup>	
Sound Power Level			71	71	72	72	70	70	
Dimensions	Dimensions (L x W x H)	mm	990 x 354 x 966	938 x 392 x 1369	938 x 392 x 1369	938 x 392 x 1369	1258 x 450 x 1390	1258 x 450 x 1390	
	Net Weight	kg	70	100	122	123	161	161	
Refrigerant Piping	Refrigerant	Type	R410A						
	Gas Connection Size	mm	15.9	19.0	19.0	22.2	22.2	28.6	
	Liquid Connection Size		9.5	9.5	9.5	12.7	12.7	12.7	
	Recommended Interconnecting Pipe Size - Gas (mm)	1 - 10m		15.9	19.0	19.0	22.2	22.2	28.6
		10 - 30m					28.6	28.6	
	Recommended Interconnecting Pipe Size - Liquid (mm)	1 - 10m		9.5	9.5	9.5	12.7	9.5	12.7
		10 - 30m					12.7	12.7	
	Precharged Length		10	10	10	10	15	15	
	Max. Pipe Length	m	65	65	65	55	30	30	
	Max. Height Diff (CDU below)		25	25	25	25	8	8	
Max. Height Diff (CDU above)		30	30	30	30	8	8		
Ambient Temperature Limits		°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-5 ~ 46	-5 ~ 46	
<b>Brivis ICE™ Indoor Unit</b>			<b>DINXU10Z7</b>	<b>DINXU13Z7</b>	<b>DINXU15Z7</b>	<b>DINXU17Z7</b>	<b>DI-XU18Z</b>	<b>DI-XU22Z</b>	
Power Supply		V-ph-Hz	220-240-1-50				N/A		
Description		Type	Compact A-Frame Coil						
Airflow	Rated	L/s	561	688	736	969	920	992	
	Minimum		430	550	620	850	750	900	
Coil Static Pressure Drop	@ Rated Airflow (Dry / Wet)	Pa	95 / 118	96 / 120	88 / 110	92 / 122	138 / 173	101 / 127	
	@ Minimum Airflow (Dry / Wet)		56 / 70	62 / 77	62 / 78	73 / 98	91 / 114	82 / 103	
Dimensions	Dimensions (L x W x H)	mm	668 x 611 x 542	668 x 611 x 542	680 x 686 x 542	771 x 811 x 549	680 x 627 x 542	777 x 748 x 549	
	Net Weight	kg	35	35	40	42	36	41	
Duct Connection (Outlet)		mm	Φ350	Φ400	Φ450	Φ450	Φ450	Φ500	
Duct Connection (Inlet)			Φ350	Φ350	Φ400	Φ400	Φ400	Φ450	
Condensate Drain Connection			20	20	20	20	20	20	
Refrigerant Pipe Connections	Gas		15.9	19.0	19.0	22.2	22.2	28.6	
	Liquid		9.5	9.5	9.5	12.7	12.7	12.7	
Operating Temperature Limits			°C	19 ~ 32	19 ~ 32	19 ~ 32	19 ~ 32	17 ~ 32	17 ~ 32
Note 1: Capacities rated in accordance with AS3823; Note 2: dB(A) @ 1.5m; Note 3: dB(A) @ 3m.									
<b>Brivis Ducted Gas Heater Compatability (Table indicates maximum recommended add-on cooling capacity for specific heater models.)</b>									
	Brivis ICE™ Inverter				Brivis ICE™ Conventional				
<b>Heater Range</b>	<b>10</b>	<b>13</b>	<b>15</b>	<b>17</b>	<b>18</b>		<b>22</b>		
SP6	SP615I	SP623I, SP623E, SP623E XA	SP623I XA		SP630E, SP630E XA, SP630I, SP630I XA		SP635I		
SP5	SP515I	SP521I, SP521E, SP521E XA	SP521I XA		SP530E, SP530E XA, SP530I, SP530I XA		SP535I		
SP4	SP415UN, SP421UN		SP430 UN		SP435 UN				
StarPro HX	HX15I	HX23E, HX23E XA, HX23I	HX23I XA		HX30E, HX30E XA, HX30I, HX30I XA		HX35I		
StarPro MX		MX21E, MX21E XA, MX21I	MX21I XA		MX30E, MX30E XA, MX30I, MX30I XA		MX35I		
Classic	2PW20, B20 XA,		2PW20 XA, B26	2PW26	2PW26 XA, B26XA				
Compact Classic <sup>+</sup>	CC315, C320, CC320 XA, CC325	CC325 XA,	CC330, CC330 XA						

April 2014 - All specifications subject to change without notice. E&OE. All Brivis Classic heaters are Brivis Networker compatible but require an interface to be fitted at additional cost. Brivis Networker not compatible with Brivis ICE™ Add-on refrigerated cooling system on Brivis Classic Heaters.

<sup>+</sup> Brivis CC3 Ducted Gas Heaters do not have on-board Add-On Cooling connections.

Note: All images provided in this brochure are for illustration purposes only.

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

# Technical Specifications