



Australia's favourite  
climate systems

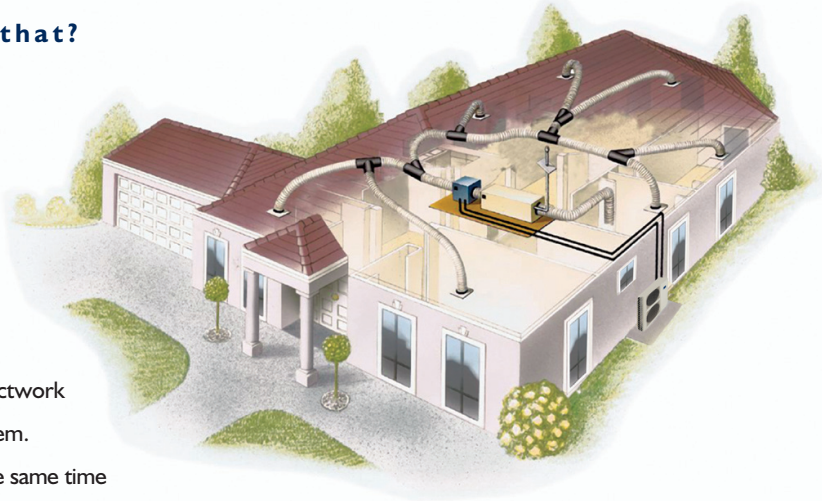
# Brivis ICE series

## ADD-ON Cooling

### Would you like ICE with that?

Now that you have decided on your Brivis heater, we can also provide you with year round comfort using cooling with the Brivis ICE series of add-on products. Brivis ICE is a fully integrated refrigerated air conditioning system that provides cooled, filtered and dehumidified air through the same ductwork and grilles as your gas ducted heating system.

The Brivis ICE range 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 cold air now 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 unit where it is dissipated to the outside air.



The ICE series indoor coil unit is incorporated into your heating ductwork



High efficiency CDU/CDA series outdoor unit



Mid efficiency CXA series outdoor unit



Networker Control



Programmable Control

### Controlling the ICE

The Brivis ICE range can be controlled by either the Networker or the Brivis Programmable Controller. The Networker enables you to create up to four separate zones. Combinations of up to three of these zones can be programmed to switch on and off as and when required.

#### Key Points

- Adds on to Brivis heating.
- Mid and High efficiency models.
- Filtered, dehumidified, cool air.
- Single controls for both heating and cooling.
- Zoning.

\*When installing a Brivis ICE range 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.

Add-On Cooling Selection Chart				
Heater Model	Recommended ICE Outdoor Model		Recommended Indoor Model	Nominal Cooling Capacity (kW)
Current Models	High Efficiency Model	Mid Efficiency Model		
MPS20 std	CDUI2A-7	38CXA12-7	28IDA12	12
MPS20 XA	CDUI5A-7D or CDUI5A-9	38CXA14-7 or 38CXA14-9	28IDA15	15
MPS30 std	CDUI8A-9	38CXA17-9	28IDA18	18
MPS30 XA	CDUI8A-9	38CXA17-9	28IDA18	18
MPS35	38CDA21B9	n/a	28IDA21	21
2PW20	CDUI0A-7	38CXA10-7	28IDA10	10
2PW20 XA	CDUI2A-7	38CXA12-7	28IDA12	12
B20XA	CDUI0A-7	38CXA10-7	28IDA10	10
2PW26	CDUI5A-7D or CDUI5A-9	38CXA14-7 or 38CXA14-9	28IDA15	15
B26	CDUI2A-7	38CXA12-7	28IDA12	12
2PW26 XA, B26 XA	CDUI8A-9	38CXA17-9	28IDA18	18
Previous Models				
MPS 20 (Pre Sep 2001)	CDUI0A-7	38CXA10-7	28IDA10	10*
MPS 30 (Pre Sep 2001)	CDUI5A-7D or CDUI5A-9	38CXA14-7 or 38CXA14-9	28IDA15	15
MPS20 std (Oct 2001 to Sep 2003)	CDUI0A-7	38CXA10-7	28IDA10	10
MPS20 XA (Oct 2001 to Sep 2003)	CDUI2A-7	38CXA12-7	28IDA12	12
MPS30 std (Oct 2001 to Apr 2003)	CDUI2A-7	38CXA12-7	28IDA12	12
MPS30 XA (Oct 2001 to Sep 2003)	CDUI5A-7D or CDUI5A-9	38CXA14-7 or 38CXA14-9	28IDA15	15

\* 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 - High Efficiency Model		CDUI0A-7	CDUI2A-7	CDUI5A-7D	CDUI5A-9	CDUI8A-9	38CDA21B9
Nominal Cooling Capacity	kW	9.50	11.30	15.30	15.30	17.10	20.60
Compressor Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Efficiency	EER	3.40	3.12	3.29	3.39	3.21	3.45
Operating Range - Outdoor	C	15 ~ 45	15 ~ 45	15 ~ 50	15 ~ 50	15 ~ 50	15 ~ 50
Dimension (L x W x H)	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	1180 x 370 x 1366
Weight	kg	107	110	136	136	138	160
Sound Power Level	dB(A)	66	66	67	66	67	70
Refrigerant Type		R-22	R-22	R-22	R-22	R-22	R-22
Chargeless Length	m	15	15	15	15	15	15
Refrigerant Connection Pipe Sizes							
Gas	mm/inch	19.05 / 3/4"	19.05 / 3/4"	19.05 / 3/4"	22.20 / 7/8"	28.60 / 1 1/8"	28.60 / 1 1/8"
Liquid	mm/inch	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"	12.70 / 1/2"
Refrigerant Recommended Pipe Sizes - System							
Gas	0 - 15m	mm/inch	19.05 / 3/4"	19.05 / 3/4"	22.20 / 7/8"	22.20 / 7/8"	28.60 / 1 1/8"
Gas	16 - 30m	mm/inch	22.20 / 7/8"	22.20 / 7/8"	28.60 / 1 1/8"	28.60 / 1 1/8"	28.60 / 1 1/8"
Liquid	0 - 15m	mm/inch	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"	12.70 / 1/2"
Liquid	16 - 30m	mm/inch	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"	12.70 / 1/2"
Power Supply	V-ph-Hz	240 - 1 - 50	240 - 1 - 50	240 - 1 - 50	415 - 3 - 50	415 - 3 - 50	415 - 3 - 50
Full Load Current	A	21.60	25.90	26.10	16.20	16.20	19.00
Single Phase Start Type		DOL	DOL	Soft	n/a	n/a	n/a

Outdoor Unit - Mid Efficiency Model		38CXA10-7	38CXA12-7	38CXA14-7	38CXA14-9	38CXA17-9
Nominal Cooling Capacity	kW	10.13	11.36	14.08	14.10	16.73
Compressor Type		Scroll	Scroll	Scroll	Scroll	Scroll
Efficiency	EER	2.90	2.84	2.78	2.84	2.85
Operating Range - Outdoor	C	15 ~ 48	15 ~ 48	15 ~ 48	15 ~ 48	15 ~ 48
Dimension (L x W x H)	mm	900 x 320 x 1360	900 x 320 x 1360	900 x 320 x 1360	900 x 320 x 1360	900 x 320 x 1360
Weight	kg	97	103	109	106	108
Sound Power Level	dB(A)	68	68	68	68	68
Refrigerant Type		R-22	R-22	R-22	R-22	R-22
Chargeless Length	m	7.50	7.50	7.50	7.50	7.50
Refrigerant Connection Pipe Sizes						
Gas	mm/inch	19.05 / 3/4"	19.05 / 3/4"	22.20 / 7/8"	22.20 / 7/8"	22.20 / 7/8"
Liquid	mm/inch	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"
Refrigerant Recommended Pipe Sizes - System						
Gas	0 - 15m	mm/inch	19.05 / 3/4"	19.05 / 3/4"	22.20 / 7/8"	22.20 / 7/8"
Gas	16 - 30m	mm/inch	22.20 / 7/8"	22.20 / 7/8"	28.60 / 1 1/8"	28.60 / 1 1/8"
Liquid	0 - 15m	mm/inch	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"
Liquid	16 - 30m	mm/inch	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"
Power Supply	V-ph-Hz	240 - 1 - 50	240 - 1 - 50	240 - 1 - 50	415 - 3 - 50	415 - 3 - 50
Full Load Current	A	17.00	19.00	22.00	10.00	14.00
Single Phase Start Type		DOL	DOL	Soft	n/a	n/a

## Indoor Unit

Indoor Unit		28IDA10	28IDA12	28IDA15	28IDA18	28IDA21
Dimension (L x W x H)	mm	615 x 545 x 430	615 x 545 x 430	675 x 610 x 535	675 x 610 x 535	780 x 750 x 550
Weight	kg	27	30	40	43	50
Duct Spigot (Inlet)	mm	350	350	400	400	450
Duct Spigot (Outlet)	mm	350	400	400	450	500
Pipe Connection Sizes						
Gas	mm/inch	19.05 / 3/4"	19.05 / 3/4"	28.60 / 1 1/8"	28.60 / 1 1/8"	28.60 / 1 1/8"
Liquid	mm/inch	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"	9.52 / 3/8"	12.70 / 1/2"
Drain Connection	mm	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 for residential and light commercial applications.

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

For more information call us on **13 COOL (13 2665)**

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