

Table 1. Hydronic boilers and systems. (DHW = domestic hot water)

Company	Brand	Model	Fuel	Type	Heating capacity (kW)	Fuel consumption	Efficiency (%) or heat pump COP	Options	Features	Warranty	Dimensions (mm) and weight	RRP	Comments
Australian Hydronic Supplies www.hydrronicsupplies.com.au	Radiant	RK34A (Internal)	Natural gas or LPG	Gas instantaneous condensing	9 to 34kW	78 / 137MJ/h	98.3% @ 80°C		See website	3 years	730 x 410 x 310 / 42kg	POA	
		RK34A (External)			9 to 34kW	78 / 137MJ/h	98.3% @ 80°C				985 x 560 x 300 / 43kg		
		RK34B (Internal)			9 to 34kW	78 / 137MJ/h	98.3% @ 80°C	DHW			730 x 410 x 310 / 42kg		
		RK34B (External)			9 to 34kW	78 / 137MJ/h	98.3% @ 80°C	DHW			985 x 560 x 300 / 43kg		
		RAIN30ER (External)		Gas instantaneous non-condensing	17 to 31kW	78 / 137MJ/h	86% @ 80°C		See website	2 years	985 x 560 x 300 / 43kg		
		ELITE30ER (Internal)			17 to 31kW	78 / 137MJ/h	86% @ 80°C				730 x 410 x 310 / 42kg		
		RK55		Gas instantaneous condensing	12 to 55kW	208MJ/h	97.8% @ 80°C			3 years	700 x 490 x 470 / 52kg		
		RK100			25 to 100kW	394MJ/h	98.1% @ 80°C				800 x 495 x 570 / 87kg		
	Laing	EPR	Electricity	Resistive electric	6, 9, 12, 15kW				See website	2 years	635 x 315 x 150 / 17kg		
	Ambient	Heat Pump	Electricity	Variable-speed air-source heat pump	9 to 23kW	COP 1 to 4.5		Heating / cooling / DHW	EC variable-speed fans and Carel electronics		1200 x 500 x 1200		
		One Heat	Solar/Gas		9 to 34kW			Heating / DHW	See website				
Automatic Heating Pty Ltd www.automaticheating.com.au	Meridian	M24	Natural Gas	Gas condensing hydronic boiler	24kW	96 MJ/h	97%	Hydronic heating	In-built pump		850H x 450W x 280D	POA	
		M32	Natural gas or LPG		32kW	120MJ/h	97%	Hydronic heating	In-built pump		850H x 450W x 280D		
		M50	Natural gas or LPG		50kW	192MJ/h	97%	Hydronic heating	In-built pump		750H x 400W x 420D		
		M75	Natural gas		75kW	280MJ/h	97%	Hydronic heating	In-built pump		880H x 495W x 500D		
		M100	Natural gas or LPG		100kW	360MJ/h	97%	Hydronic heating	In-built pump		880H x 495W x 500D		
		M120	Natural gas		120kW	407MJ/h	97%	Hydronic heating	In-built header and pump		1207H x 550W x 875D		
		M150	Natural gas		150kW	592MJ/h	97%	Hydronic heating	In-built header and pump		1207H x 550W x 875D		
		Firex	FX34		Wood	Biomass hydronic boiler	28.2kW		82%	Hydronic heating	Total gasification pyrolytic combustion		
	FX45		35.1kW				82%	Hydronic heating	Total gasification pyrolytic combustion		1570H x 610W x 995D		
	FX55		45.2kW				82%	Hydronic heating	Total gasification pyrolytic combustion		1570H x 610W x 1195D		
Bosch www.bosch-climate.com.au	Bosch	Condens 5000W	Natural gas or LPG	Gas instantaneous condensing boiler	18 kW	75MJ/h	91% @ 80°C	DHW option ("Combi") for 37kW model	Electronic ignition	1 year parts and labour, 5 year heat exchanger	750 x 440 x 360, 27.1kg		
					30kW	130MJ/h					750 x 440 x 360, 46.5kg		
		Standard Efficiency Boiler				37kW					130MJ/h		
				Gas instantaneous	30kW	132.8MJ/h	88.5% @ 60/80°C				440 x 898 x 315, 42kg		
Comfort Heat Australia www.comforheat.com.au	Intaflor	HH012S	Single-phase electricity	Reverse-cycle air-source heat pump	12kW (10kW cooling)		3 (heating COP), 2.75 (cooling EER)	Heating and cooling	Can operate down to -15°C and up to 45°C. Sanyo compressor, automatic defrost, galvanised powder coated steel enclosure	1 year	1100 x 470 x 1250, 165kg	POA	
		HH016S/T	Single/three-phase electricity		16kW (13kW cooling)		3/3.2 (heating COP), 3 (cooling EER)				1100 x 360 x 1350, 195kg / 1630 x 450 x 1050, 190kg		
		HH023S/T	Single/three-phase electricity		23kW (18kW cooling)		3 (heating COP), 2.42/2.5 (cooling EER)				1490 x 735 x 1260, 280kg		
		HH028T	Three-phase electricity		28kW (22kW cooling)		3 (heating COP), 2.76 (cooling EER)				1490 x 735 x 1260, 285kg		
		HH035T	Three-phase electricity		35kW (25kW cooling)		3 (heating COP), 2.7 (cooling EER)				1510 x 950 x 1260, 305kg		
Daikin www.daikin.com.au	Daikin	Altherma	Single-phase electricity	Split system heat pump boiler (heating only or heating/cooling model available)	11.2, 14, 16kW	2.55, 3.26, 3.92kW	COP 4.39, 4.29, 4.08 (3.6, 2.95, 2.59 cooling model)	Heating only or heating and cooling. Also available as a monobloc (both units together)	Can operate down to -20°C (heating mode) and to 46°C (cooling mode)	5 years	890 x 480 x 344, 44kg (indoor unit); 1170 x 900 x 320, 102kg (outdoor unit)	POA	
GeoExchange Australia www.geoexchange.com.au	WaterFurnace	NSKW	Electricity	Ground-source heat pump	6, 8, 12, 17kW		Cooling COP: 5.1 to 6.1. Heating COP: 4.1 to 4.3	Heating, cooling, hot water	Underfloor heating, pools, spas, chilled water for fan coils	5 years parts	597-787 x 665 x 495-559, 102 to 156kg	POA	
		NHKW			20kW		Cooling COP: 4.6 to 5.4. Heating COP: 3.1 to 3.5	Heating, cooling, hot water	High temperature heat pump for radiators, also suitable for underfloor heating		650 x 850 x 610, 188kg		
		NKW			30, 45, 60, 90, 150kW		Cooling COP: 5.0 to 5.8. Heating COP: 3.5 to 3.7	Heating, cooling, hot water	Large residences and commercial applications		1455-1806 x 612 x 1080-1486, 323 to 841kg		
		Synergy 3D			9, 12, 15 and 17kW		Cooling COP: 5.0 to 5.8. Heating COP: 3.5 to 3.7	Heating, cooling, hot water	Combination unit for both hydronic heating and ducted cooling / heating		600 x 800 x 1480, 190 to 245kg		
	NIBE	F2030	Electricity	Air-source heat pump	7, 9kW		COP of 4.05 at 7°C outside/45°C water temp	Heating and hot water	63°C output at -25°C, very low noise, integrated controls		1134 x 1260 x 570, 165kg		
		F2040			8, 12, 16kW		COP of 3.66 at 7°C outside/45°C water temp	Heating, cooling and hot water	Inverter compressor, cooling, 55°C output, integrated controls	895-1450 x 1035-1145 x 422-452, 90-135kg			
		F2300			14, 20kW		COP of 3.69 at 7°C outside/45°C water temp	Heating and hot water	63°C output at -25°C, very low noise, integrated controls	1385 x 1455 x 620, 230kg			
Hunt Heating www.huntheat.com.au	Immergas	SE 32+ Indoor	Natural gas or LPG	Instantaneous boiler	36kW	147MJ/h	87.3%	DHW, outdoor version also available	Multiple cabinet colours available, Grundfos pump, frost protection		725 x 520 x 250, 43kg	POA	
		Intec	Natural gas or LPG	Instantaneous condensing boiler	12kW	49MJ/h	97.4%	Indoor and outdoor versions	Built-in frost protection, Grundfos pump, solar compatible	3 years parts and labour, 10 years heat exchanger	Indoor: 720 x 440 x 300 Outdoor: 990 x 470 x 310, 33kg (12kW), 38.8kg (30kW)		
	Gaudium Solar Plus		Natural gas or LPG	Depends on boiler selected				High and low temperature zones optional	Complete solar compatible system in a cabinet, inc boiler, expansion tank, solar controller and 160 litre storage tank		2200 x 950 x 360		
	Kospel	Ekco	Electricity (three-phase)	Electric instantaneous boiler	8, 12, 18, 24kW	8, 12, 18, 24kW	COP 1		20 to 85°C adjustable water temperature	1 year	710 x 418 x 251		
	MCZ	Duo Hydro-Air pellet stove	Wood pellet	Pellet boiler	18kW water, 22.3kW total	0.9 to 4.9kg/h	92.5%		Provides both hot air and hydronic hot water, 44-litre hopper		1213, 582 x 558, 190kg		
	Red	Compact 18, 24, 35	Wood pellet	Pellet boiler	16.8, 22.1, 32kW	1.1 to 3.7, 1 to 4.8, 1.3 to 6.7kg/h	93.7, 90.2, 92.8%		10 litre (models 18 and 24) or 146 litre hopper		1235 x 600 x 660, 200kg (models 18 and 24); 1340 x 745 x 705, 300kg (model 35)		
Hurlcon Heating www.hurlconheating.com.au	Beretta	Meteo Green	Natural gas or LPG	Gas pre-mix condensing external/internal	36 kW	140/14MJ/h	98.7% @ 80°C	Central heating only	Wall-hung, 1:10 modulation, modulating pump, comes with thermostat and valves	2 years parts and labour, 5 years heat exchanger	W553 x H764 x D274, 45kg	POA	
	Beretta	Power Plus			50 to 3000kW	180/360+ MJ/h			Light commercial cascading wall-hung and floor-standing boxed modules	1 year parts and labour	Depends on installation		
	Lamborghini	Futura			75 to 1160kW	288 / 470 / 576 / 940+ MJ/h	98% @ 80°C		Commercial cascading floor-standing cabinet modules, small footprint	1 year parts and labour	Depends on installation		

Table 1. Hydronic boilers and systems (continued).

Company	Brand	Model	Fuel	Type	Heating capacity (kW)	Fuel consumption	Efficiency or COP	Options	Features	Warranty	Dimensions and weight	RRP	Comments
Hydro Heat www.hydroheat.com.au	Baxi	Duotec GA1.12	Natural gas or LPG	Gas adaptive condensing	12 to 28kW (heating only) 24 to 40kW (combination)	50MJ/h	91.2/92.5% at 80/60°C 97.1% at 50/30°C	DHW		2 years	Indoor: 763 x 450 x 345, 34.5 Outdoor: 980 x 473 x 362, 40.5	POA	
		Duotec GA1.24				98MJ/h							
		Duotec GA1.28				115MJ/h							
		Duotec GA 24 (combination)				85/98MJ/h							
		Duotec GA 28 (combination)				98/115MJ/h							
		Duotec GA 33 (combination)				115/135MJ/h							
Pivot Stove & Heating www.pivotstove.com.au	Esse	Ironheart	Wood	Wood	4/8 kW	1.8 kg/h	81%	Hot water, radiators, in slab	Radiant heating, cooking	2 year warranty	900 x 905 x 600, 350 kg	11,400 / 11,900	Handcrafted in the UK. Choice of colours with the 990 series.
		990 WD			5 kW	1.8 kg/h	72%	Hot water			900 x 990 x 600, 430 kg	14,300	
		990 CH			16.9 kW	4.5 kg/h	72%	Inslab, radiator panels, pool, spa, hot water (DHW)			900 x 990 x 600 430kg	15,400	
Run On Sun www.runonsun.com.au	Run On Sun	Hydronic-1000	Solar/stove	Evacuated tubes/stove: 1000-litre 316 stainless steel cylinder with up to 2 coils. + solar	9 to 18 / 4 to 25kW	Solar: NA wood: varies		Radiators/floor heating	1000 to 1800 litre storage	7 years	1700 H x 1050 Diameter	2,500	Combine with three to six 30-tube collectors, pump & controller.
Siddons Solarstream www.siddonssolarstream.com	Siddons Solarstream	3-in-1 Monoblock and 2-in-1 high temp heat pump	Electricity	Air source heat pump	6 to 17.3kW	1.7 to 7.5kW	COP 3.3 (W/W), 45°C outlet temp, 40°C inlet temp	Heating, cooling and hot water			885/410/550 to 1115/470/1250		
Skyline Energy www.skylineenergy.com.au	Skyline Energy	SX-07	Electricity	Air-source heat pump	5 kW	1.4kW nom	COP 3 average at 10°C ambient air, 45°C water out	N/A		1 year parts and labour. 2 years parts	1140 x 360 x 550, 75kg	4822	Single panasonic axial compressor
		SX-11			7 kW	2.6kW nom					1119 x 490 x 710, 120kg	5495	
		SX-13CC			9kW	2.8kW nom					1120 x 490 x 1270, 160kg	6850	Single Copeland ZW34 compressor
		SX-17CC			12kW	3.6kW nom					1120 x 490 x 1270, 160kg	7850	Single Copeland ZW47 compressor
		SX-17DC			4 to 14kW	1.1 to 4.8kW					1030 x 420 x 1380, 160kg	10560	Mitsubishi DC inverter
		SX-24			17kW	5.6kW nom					1450 x 800 x 1060, 200kg	10900	Dual Copeland ZW34 compressor, single or two-phase
		V35			23kW	7.5kW nom					1250 x 935 x 1650, 320kg	13420	Dual Copeland ZW47 compressor, single or two-phase
		V42			26kW	8.7kW nom					1250 x 935 x 1650, 360kg	14000	Dual Copeland ZW52 compressor, single or two-phase
		V42-3			28kW	9kW nom					1250 x 935 x 1650, 360kg	14000	Dual Copeland ZW61 compressor, three-phase
		Solar Lord www.solarlord.com.au			Solar Lord	G450U45-O G450U45-OH E450U45-O					Solar back up by gas	Solar pre-heat with gas instantaneous	30kW
Superior Boilers www.superiorboilers.net.au	ÇETİK ISI SANAYİ	EKO Series	Wood	Solid fuel (wood, coal) fired boiler	23 to 104kW		88%				1410 x 1220 x 580, 200kg to 1910 x 1830 x 780, 650kg	POA	
		EKO S and PS Series	Wood pellet	Wood pellet boiler	23 to 104kW		88% to 94%	Also available with a piston feed system (PS Series) for burning various woody wastes (nuts shells, wood chips, grain etc) for 29 to 70kW models	Hopper only needs refilling every three days			1370 x 1470 x 580, 300kg to 2045 x 2010 x 785, 900kg	
The Green Power Company www.greenpowerco.com.au	Siddons Solarstream	3-in-1 Monoblock and 2-in-1 high temp heat pump	Electric	Air-source heat pump	6 to 17.3kW	1.7 to 7.5kW	COP 3.3 (W/W), 45°C outlet temp, 40°C inlet temp	Heating, cooling and hot water			885/410/550 to 1115/470/1250		
Tubulous Australia www.tubulousaustralia.com.au	Tubulous	Terrier	Wood	Wood boiler	4kW							POA	Suitable for central heating, swimming pool heating, commercial applications
		40H			12kW					510 x 240 x 858, 50kg			
		90H			26kW					680 x 430 x 1069, 101kg			
		130H			30kW					845 x 600 x 1219, 178kg			
		130H Mk2			36kW					1145 x 620 x 1500, 240kg			
		Trojan vertical			40kW					830 x 750 x 1730, 160kg			
		250H			58kW					1200 x 750 x 1905, 450kg			
		350H			88kW					1370 x 750 x 2250, 800kg			
Tivok Energy www.tivok.com.au	Tivok Energy	T-HP72AB	Electricity	Air-source heat pump	7.25kW	1.8 kW	COP 4.03	DHW, hydronic	High efficiency, low noise	5 years	1002 x 302 x 620, 88kg	3164.71+ GST	A combination of these system components are eligible for STC certificates.
		T-HP200AB			17.5kW	4.17kW	COP 4.2				High efficiency, low noise, high heating capacity	752 x 690 x 965, 137kg	
		T-T420AB	N/A	HX storage tank	N/A	N/A	Load side heat exchange coil, isolates DHW from heating loop. Scalable, low pressure, multiple heat source inputs		15 years	666 x 666 x 1764, 71kg	865.54+GST		
		T-U5812AB	Solar thermal	Evacuated U-tube solar collector	4.5kW @ 6kW/m <sup>2</sup> peak	0	75%		U-tube type, evacuated tube, high efficiency, vented, solar PV compatible mounting frame	10 years	1950 x 990 x 90, 38kg	2,428.11+GST	
Wise Living Products www.wiseliving.com.au	Thermalux	Gourmet Cooker	Wood	Wood stove with hydronic connection	15kW			Cooking, convection heating, DHW/hydronic	Self-cleaning glass firebox door, available in four colours		910 x 700 x 560, 200 kg	POA	
		Linea		Wood heater with hydronic connection	20kW			DHW, solar compatible	Freestanding on legs or pedestal, or in-built		700 x 560 x 500 (freestanding)		
		Dynamic 2500		Wood boiler	25kW				Separate firebox and ashpan doors, separate damper and air controls		680 x 400 x 850, 120 kg		
		Dynamic 3500			35kW						560 x 700 x 910, 220 kg		
		Belvedere 5000			50kW				Available with integral pump and thermostat control		710 x 585 x 1200, 280kg		

**About table 1**

Data for this table was sourced from the manufacturers/suppliers listed in the table.

Heating capacity is the maximum heat output for each unit, while fuel consumption is the rate of fuel use at maximum heating capacity.

Efficiency or COP: Efficiency in per cent for gas or solid fuel boilers is the percentage of energy contained in the fuel that's transferred to the hydronic water circuit. For heat pumps, the figure is given as the COP (coefficient of performance), and is the ratio of electrical energy input to heat output.

Options includes any functions above standard hydronic heat production, such as the ability to produce domestic hot water (DHW) or provide cooling in summer.

Some electric systems may require three-phase connections. Phase refers to the type of electrical power input. Single phase is standard 230 VAC as found in most homes. Some homes have three-phase supplies from the street connection and so can use three-phase systems.

Table 2. Reverse-cycle air conditioners for heating/cooling.

Brand	Model	Type	Inverter	Phase	Cooling input power	Cooling capacity	EER	Heating input power	Heating capacity	COP	Refrigerant
Bd-Bingdian	FIV-25HS1(D)M / FUV-25HS1	Single split system	Yes	Single	0.57kW	2.5kW	4.39	0.7kW	2.8kW	4.00	R410a
Daikin	FTXM20P / RXM20P	Single split system	Yes	Single	0.41kW	2kW	4.88	0.59kW	2.7kW	4.58	R32
	FTXM25P / RXM25P				0.51kW	2.5kW	4.90	0.65kW	3.2kW	4.92	
	FTXJ25P / RXJ25P				0.54kW	2.5kW	4.63	0.7kW	3.2kW	4.57	
	FFQ25C2 / RXS25L2				0.56kW	2.5kW	4.46	0.8kW	3.2kW	4.00	R410a
	FTXR28K / RXR28K				0.57kW	2.77kW	4.86	0.71kW	3.57kW	5.03	R32
	FTXZ25N / RXZ25N				0.42kW	2.5kW	5.95	0.62kW	3.6kW	5.81	
	FTXZ35N / RXZ35N				0.68kW	3.5kW	5.15	0.99kW	5kW	5.05	R410a
	FCQ50KA / RZQ550AV				1.27kW	5kW	3.94	1.41kW	6kW	4.26	
	FTXM50P / RXM50P				1.18kW	5kW	4.24	1.42kW	6kW	4.23	R32
	FCQ100KA / RZQSI00AY				2.57kW	10kW	3.89	2.77kW	11.2kW	4.04	R410a
	FCQ100KV / RZQSI00AY	2.57kW	10kW	3.89	2.77kW	11.2kW	4.04				
	RXYQ6T	Multiple split - VRF		Three	3.87kW	16kW	4.13	4.22kW	18kW	4.27	
Fujitsu General	ASTG09KMCA/AOTG09KMCA	Single split system	Yes	Single	0.51kW	2.5kW	4.90	0.65kW	3.2kW	4.92	R32
	ASTG09KUCA/AOTG09KUCA				0.51kW	2.5kW	4.90	0.67kW	3.2kW	4.78	
	ASTG09LVCC				0.58kW	2.5kW	4.31	0.73kW	3.4kW	4.66	R410a
	ASTG09LVCA				0.58kW	2.5kW	4.31	0.73kW	3.4kW	4.66	
	ASTG09LUCA				0.58kW	2.5kW	4.31	0.78kW	3.4kW	4.36	
	ASTG09LUCB				0.58kW	2.5kW	4.31	0.78kW	3.4kW	4.36	
	AGTV09LAC				0.6kW	2.6kW	4.33	0.81kW	3.5kW	4.32	
	AGTV09LAC				0.6kW	2.6kW	4.33	0.81kW	3.5kW	4.32	
Haier	AS26NCIHRA(NF)/IU26QE3ERA	Single split system	Yes	Single	0.62kW	2.7kW	4.35	0.8kW	3.5kW	4.38	R410a
	AS26NCIHRA(NH)/IU26QE3ERA				0.62kW	2.7kW	4.35	0.8kW	3.5kW	4.38	
Hitachi	RAS-25YHA5/RAC-25YHA5	Single split system	Yes	Single	0.55kW	2.5kW	4.55	0.68kW	3.2kW	4.71	R410a
	RAS/C-25YHA4				0.55kW	2.5kW	4.55	0.68kW	3.2kW	4.71	
Kelvinator	KSV25HRD	Single split system	Yes	Single	0.59kW	2.5kW	4.24	0.75kW	3.2kW	4.27	R410a
LG	PO9AWN-NM14/PO9AWN-UM14	Single split system	Yes	Single	0.52kW	2.5kW	4.81	0.65kW	3.2kW	4.92	R410a
	S09AWN-NM14/PO9AWN-UM14				0.52kW	2.5kW	4.81	0.65kW	3.2kW	4.92	
	WO9AWN-NM14/PO9AWN-UM14				0.52kW	2.5kW	4.81	0.65kW	3.2kW	4.92	
	NHXM20S2A1/UHXM55MAO	Multiple split - fixed head			1.2kW	5.3kW	4.42	1.31kW	6.3kW	4.81	
	NHXM20S2A1/UHXM55MA1				1.29kW	5.27kW	4.09	1.6kW	6.33kW	3.96	
	NHXM20S2A1/UHXM70MA1				1.67kW	7.03kW	4.21	1.9kW	8.44kW	4.44	
	UTN36WH2/UU36WH2	Single split system			2.16kW	9.5kW	4.40	2.5kW	10.8kW	4.32	
	NHXM30S2A1/UHXM110MA1	Multiple split - fixed head			2.73kW	11.2kW	4.10	2.81kW	12.5kW	4.45	
	NHXM20S2A1/NHXM30S2A1/UHXM140BA1				3.17kW	14kW	4.42	3.66kW	16kW	4.37	
	NHXM30S2A1/UHXM160BA1				3.86kW	15.5kW	4.02	4.16kW	17.4kW	4.18	
Mammoth	MSR-L009	Self contained	No	Single	0.66kW	3kW	4.58	0.71kW	4kW	5.61	R410a
Midea	DMORC26DR	Single split system	Yes	Single	0.6kW	2.55kW	4.25	0.62kW	2.65kW	4.27	R410a
	MIS26				0.52kW	2.6kW	5.00	0.57kW	2.8kW	4.91	R32
Mitsubishi Electric	MSZ-FH25VE	Single split system	Yes	Single	0.51kW	2.5kW	4.90	0.58kW	3.2kW	5.52	R410a
	MSZ-FH25VEHZ				0.51kW	2.5kW	4.90	0.58kW	3.2kW	5.52	
	MSZ-FH25VE / MUZ-FH25VE				0.51kW	2.5kW	4.90	0.58kW	3.2kW	5.52	
	MSZ-GL25VGD/MUZ-GL25VGD				0.49kW	2.5kW	5.10	0.66kW	3.2kW	4.85	R32
	MSZ-EF25VEW / MUZ-EF25VE				0.55kW	2.5kW	4.55	0.7kW	3.2kW	4.57	R410a
	MSZ-EF25VEB / MUZ-EF25VE				0.55kW	2.5kW	4.55	0.7kW	3.2kW	4.57	
	MSZ-EF25VES / MUZ-EF25VE				0.55kW	2.5kW	4.55	0.7kW	3.2kW	4.57	
	MSZ-EF25VES				0.55kW	2.5kW	4.55	0.7kW	3.2kW	4.57	
	MSZ-EF25VEW				0.55kW	2.5kW	4.55	0.7kW	3.2kW	4.57	
	MSZ-EF25VEB				0.55kW	2.5kW	4.55	0.7kW	3.2kW	4.57	
	MSZ-GE25VAD/MUZ-GE25VAD				0.56kW	2.5kW	4.46	0.73kW	3.2kW	4.38	
	MFZ-KJ25VE / MUFZ-KJ25VE				0.54kW	2.5kW	4.63	0.77kW	3.4kW	4.42	
	MSZ-GL50VGD/MUZ-GL50VGD				1.17kW	4.8kW	4.10	1.37kW	5.8kW	4.23	

Table 2. Reverse cycle air conditioners (continued).

Brand	Model	Type	Inverter	Phase	Cooling input power	Cooling capacity	EER	Heating input power	Heating capacity	COP	Refrigerant				
Mitsubishi Electric (continued)	MXZ-3D54VA	Multiple split - fixed head	Yes	Single	1.25kW	5.4kW	4.32	1.61kW	7kW	4.35	R410a				
	PUMY-P112YKM-A	Multiple split - VRF		Three	2.94kW	12.5kW	4.26	3.25kW	14kW	4.31					
	PUMY-P112VKM-A			Single	2.94kW	12.5kW	4.26	3.25kW	14kW	4.31					
	PUMY-P112YKM-A-BS			Three	2.94kW	12.5kW	4.26	3.25kW	14kW	4.31					
	PUMY-P112VKM-A-BS			Single	2.94kW	12.5kW	4.26	3.25kW	14kW	4.31					
	PUMY-P125VKM-A			Single	3.63kW	14kW	3.85	3.88kW	16kW	4.13					
	PUMY-P125YKM-A			Three	3.63kW	14kW	3.85	3.88kW	16kW	4.13					
	PUMY-P125VKM-A-BS			Single	3.63kW	14kW	3.85	3.88kW	16kW	4.13					
	PUMY-P125VKM-A			Single	3.63kW	14kW	3.85	3.88kW	16kW	4.13					
	PUMY-P125YKM-A-BS			Three	3.63kW	14kW	3.85	3.88kW	16kW	4.13					
	PUHY-EP200YLM-A			Three	5.19kW	22.4kW	4.32	5.73kW	25kW	4.36					
	PUHY-EP200YLM-A1			Three	5.19kW	22.4kW	4.32	5.73kW	25kW	4.36					
	Mitsubishi Heavy Industries			SRK20ZMXA-S / SRC20ZMXA-S	Single split system	Yes	Single	0.35kW	2kW	5.71		0.45kW	2.5kW	5.56	R410a
				SRK20ZMA-S / SRC20ZMA-S				0.44kW	2kW	4.55		0.62kW	2.7kW	4.35	
DXK06ZM-S		0.44kW	2kW	4.55				0.62kW	2.7kW	4.35					
SRK25ZMXA-S / SRC25ZMXA-S		0.49kW	2.55kW	5.20				0.60kW	3.13kW	5.26					
SRK25ZMA-S / SRC25ZMA-S		0.58kW	2.5kW	4.31				0.7kW	3.2kW	4.57					
DXK09ZMA-S / DXC09ZMA-S		0.58kW	2.5kW	4.31				0.7kW	3.2kW	4.57					
SRF25ZMXA-S / SRC25ZMXA-S		0.52kW	2.5kW	4.81				0.72kW	3.4kW	4.72					
SRR25ZM-S/SRC25ZMXA-S		0.57kW	2.5kW	4.39				0.75kW	3.4kW	4.53					
SCM_Z'-S		Multiple split - fixed head	0.84kW	4kW				4.76	0.9kW	4.5kW	5.00				
SCM50Z'			1.08kW	5kW				4.63	1.31kW	6kW	4.58				
Panasonic	CS-Z7RKR/CU-Z7RKR	Single split system	Yes	Single	0.41kW	2.05kW	5.00	0.55kW	2.7kW	4.91	R32				
	CS-Z9RKR/CU-Z9RKR				0.5kW	2.5kW	5.00	0.62kW	3.2kW	5.16					
	CS-RZ9RKR/CU-RZ9RKR				0.5kW	2.5kW	5.00	0.62kW	3.2kW	5.16					
	CS-Z12RKR/CU-Z12RKR				0.8kW	3.5kW	4.38	0.76kW	3.7kW	4.87					
	CS-RZ12RKR/CU-RZ12RKR				0.8kW	3.5kW	4.38	0.76kW	3.7kW	4.87					
	CS-RZ18RKR/CU-RZ18RKR				1.16kW	5kW	4.31	1.39kW	6kW	4.32					
	CS-Z18RKR/CU-Z18RKR				1.16kW	5kW	4.31	1.39kW	6kW	4.32					
	U-8ME2R8E/S-22MU1E5A/S-22MF2E5A				Multiple split - VRF	Three	4.77kW	22.4kW	4.70	4.87kW		25kW	5.13	R410a	
	U-8ME2R8/S-22MU1E5A/S-22MF2E5A	4.77kW		22.4kW		4.70	4.87kW	25kW	5.13						
	Samsung Electronics	AR09KSWSAWKN/AR09KSWSAWKX		Single split system	Yes	Single	0.48kW	2.5kW	5.21	0.62kW		3.2kW	5.20	R410a	
AQV09TWOQN/AQV09TWOQX		0.6kW	2.5kW				4.17	0.7kW	3.2kW	4.57					
AR09KSFSAWKN/AR09KSFSAWKX		0.56kW	2.5kW				4.46	0.7kW	3.2kW	4.57					
Stirling	STR-SSAC12000	Single split system	Yes	Single	0.8kW	3.4kW	4.25	0.87kW	3.8kW	4.37	R410a				
Toshiba	RAS-10G2KVP-A + RAS-10G2AVP-A	Single split system	Yes	Single	0.49kW	2.5kW	5.10	0.58kW	3.2kW	5.52	R410a				
	RAS-10SKVP2-A/RAS-10SAVP2-A				0.49kW	2.51kW	5.12	0.63kW	3.21kW	5.10					
	RAS-10N3KVP-A + RAS-10N3AVP-A				0.49kW	2.51kW	5.12	0.63kW	3.21kW	5.10					
	RAV-SM1104UTP-E + RAV-SP1104AT-A				2.21kW	10kW	4.52	2.34kW	11.2kW	4.79					
	RAV-SM1104UTP-E / RAV-SP1104AT-A1				2.21kW	10kW	4.52	2.34kW	11.2kW	4.79					
York	YH9JXH009BAR-FX / YH9JYH009BAR-A-X	Single split system	Yes	Single	0.62kW	2.7kW	4.35	0.78kW	3.5kW	4.49	R410a				
	YLQWYH012KAKAA-X	Self contained	No		3.02kW	12.3kW	4.07	3.28kW	12.7kW	3.87					
	YLQWYCO12KAKAA-X				3.02kW	12.3kW	4.07	3.28kW	12.7kW	3.87					
	YV2VYH022KAS-D-X				Multiple split - VRF	Yes	Three	5.53kW	22.8kW	4.12		6.03kW	26kW	4.31	

**About table 2**

Data for this table was sourced from the Energy Ratings website, [www.energyrating.gov.au](http://www.energyrating.gov.au)

The EER is the energy efficiency ratio when cooling. This is equivalent to the cooling output divided by the electrical input.

The COP is the coefficient of performance when heating. This is equivalent to the heating output divided by the electrical input. Only units with a COP of 4 or higher have been included.

Phase refers to the type of electrical power input. Single phase is standard 230 VAC as found in most homes. Some homes have three-phase supplies from the street connection and so can use three-phase systems.

Split systems have one indoor unit for each outdoor unit, whereas multiple splits have one outdoor unit feeding two or more indoor units.

Self contained units have the entire system in one enclosure.

VRF is variable refrigerant flow, where the outdoor unit can send a variable flow of refrigerant to the indoor units, providing better temperature control and higher system efficiency.