

**DEPARTMENT OF LOGISTICS AND INFRASTRUCTURE 2023 COMMERCIAL HEAT PUMP MARKET RESEARCH RESULTS**

14 October 2024

Models with refrigerant Global Warming Potential (GWP) &gt; 700 crossed out as not complying with DLI Minimum Design Standard requirements

Item	Manufacturer	Distributor	Application	Type	Refrigerant	Capacity Range kW	Max. Hot Water Temp.	Energy Efficiency Cert-ification	Applicable Standards for energy performance rating and certification	Applicable Standards for acoustic performance rating
1.1	TRANE	TRANE AUSTRALIA	Large Commercial/Residential Space Heating, DHW	Air-Sourced / Scroll	HFO R454b <del>HFC 410a</del>	100 - 250	60° C	EUROVENT/AHRI	EN14825 EN14511 ASHRAE 90.1 AHRI 551/591	ISO 9614
			Large Commercial/Industrial Space Heating	Air-Sourced / Screw	HFO R1234ze <del>HFC R134a</del>	350 - 750	55° C			
			Large Commercial/Industrial Space Heating, DHW	Water-Sourced / Screw	HFO R1234ze <del>HFC R134a</del>	150 - 750	80° C			
1.2	CARRIER	CARRIER AUSTRALIA	Large Commercial/Residential Space Heating, DHW	Air-Sourced / Multi-Scroll	<del>HFC R 410a</del>	18 - 1000	60° C	EUROVENT/AHRI	EN14825 EN14511 ASHRAE 90.1 AHRI 551/592	ISO 9614
			Large Commercial/Industrial Space Heating	Air-Sourced / Screw	<del>HFC R134a</del>	250 - 1700	55° C			
			Large Commercial/Industrial Space Heating	Water-Sourced / Screw	HFO R1234ze <del>HFC R134a</del>	300 - 1400	50° C			
1.3	DAIKIN	DAIKIN AUSTRALIA	Large Commercial/Residential Space Heating, DHW	Air-Sourced / Scroll	HFC R32 <del>HFC R410a</del>	80 - 630 20 - 600	60° C	EUROVENT/AHRI	EN14825 EN14511 ASHRAE 90.1 AHRI 551/593	ISO 9614
			Large Commercial/Residential Space Heating	Air-Sourced / Scroll	<del>HFC R134a</del>	250 - 600	55° C			
1.4	MITSUBISHI (CLIMAVENETA)	MITSUBISHI AUSTRALIA	Small Commercial/Residential DHW	Air-Sourced / Scroll	R744 (CO2)	5-40	90° C	EUROVENT/AHRI	EN14825 EN14511 ASHRAE 90.1 AHRI 551/594	ISO 9614
			Small Commercial/Residential Space Heating, DHW	Air-Sourced / Scroll	<del>HFC R407C</del>	5-45	70° C			
			Small Commercial/Residential Space Heating, DHW	Air-Sourced / Scroll	HFC R32	50 - 110	65° C			
			Large Commercial/Industrial Space Heating	Water-Sourced / Screw	HFO R1234ze <del>HFC R134a</del>	300 - 1400	50° C			
1.5	BLUEBOX	EUROTHERMAL	Large Commercial/Residential Space Heating, DHW	Air-Sourced / Scroll	HFO R454b <del>R410a</del>	40 - 900	65° C	EUROVENT	EN14825 EN14511	ISO 9614
			Large Commercial/Residential Space Heating	Air-Sourced / Screw	HFO R1234ze <del>HFC R134a</del>	300 - 1900	55° C			
			Large Commercial/Residential Space Heating	Water-Sourced / Screw	HFO R1234ze <del>HFC R134a</del>	200 - 1100	50° C			
1.6	REVERE	AUTOMATIC HEATING	Small Commercial/Residential DHW	Air-Sourced / Scroll & Piston	R744 (CO2)	5 - 80	90° C	To Be Confirmed (TBC)	TBC	TBC
			Small Commercial/Residential Space Heating, DHW	Air-Sourced / Scroll & Piston	R290 (Propane)	8-60	70° C			
			Small Commercial/Residential Space Heating, DHW	Air-Sourced / Piston	R290 (Propane)	27 - 110	60° C			
			Small Commercial/Residential Space Heating, DHW	Air-Sourced / Scroll	HFC R32 <del>HFC R410a</del>	2 - 25	60° C			
1.7	RHEEM	RHEEM	Small Commercial/Residential DHW	Air-Sourced / Sroll	<del>HFC R134a</del>	16-40	65° C	TBC	TBC	TBC
			Small Commercial/Residential DHW	Air-Sourced/ Scroll	HFO R1234yf	15-30	65° C			
1.8	RINNAI	RINNAI	Small Commercial/Residential DHW	Air-Sourced / Sroll	HFC R513a	20-40	65° C	TBC	TBC	TBC
1.9	MADIMACK	MADIMACK	Small Commercial/Residential Space HEATING, DHW	Air-Sourced / Scroll	<del>HFC R134a</del>	17 - 135	65° C	TBC	TBC	TBC
1.10	MAYEKAWA	MAYEKAWA	Small Commercial/Residential Space Heating, DHW	Air Sourced / Piston	R744 (CO2)	70 - 80	90° C	TBC	TBC	TBC
1.11	GLACIEM	GLACIEM	Industrial	Water Sourced / Piston	R744 (CO2)	70 - 80	90° C	TBC	TBC	TBC