

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

14 October 2024

Models with refrigerant Global Warming Potential (GWP) > 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 Certification	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 HFC 410a	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 HFC R134a	350 - 750	55° C			
			Large Commercial/Industrial Space Heating, DHW	Water-Sourced / Screw	HFO R1234ze HFC R134a	150 - 750	80° C			
1.2	CARRIER	CARRIER AUSTRALIA	Large Commercial/Residential Space Heating, DHW	Air-Sourced / Multi-Scroll	HFC R 410a	18 - 1000	60° C	EUROVENT/AHRI	EN14825 EN14511 ASHRAE 90.1 AHRI 551/592	ISO 9614
			Large Commercial/Industrial Space Heating	Air-Sourced / Screw	HFC R134a	250 - 1700	55° C			
			Large Commercial/Industrial Space Heating	Water-Sourced / Screw	HFO R1234ze HFC R134a	300 - 1400	50° C			
1.3	DAIKIN	DAIKIN AUSTRALIA	Large Commercial/Residential Space Heating, DHW	Air-Sourced / Scroll	HFC R32 HFC R410a	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	HFC R134a	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	HFC R407C	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 HFC R134a	300 - 1400	50° C			
1.5	BLUEBOX	EUROTHERMAL	Large Commercial/Residential Space Heating, DHW	Air-Sourced / Scroll	HFO R454b R410a	40 - 900	65° C	EUROVENT	EN14825 EN14511	ISO 9614
			Large Commercial/Residential Space Heating	Air-Sourced / Screw	HFO R1234ze HFC R134a	300 - 1900	55° C			
			Large Commercial/Residential Space Heating	Water-Sourced / Screw	HFO R1234ze HFC R134a	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 HFC R410a	2 - 25	60° C			
1.7	RHEEM	RHEEM	Small Commercial/Residential DHW	Air-Sourced / Sroll	HFC R134a	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	HFC R134a	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