

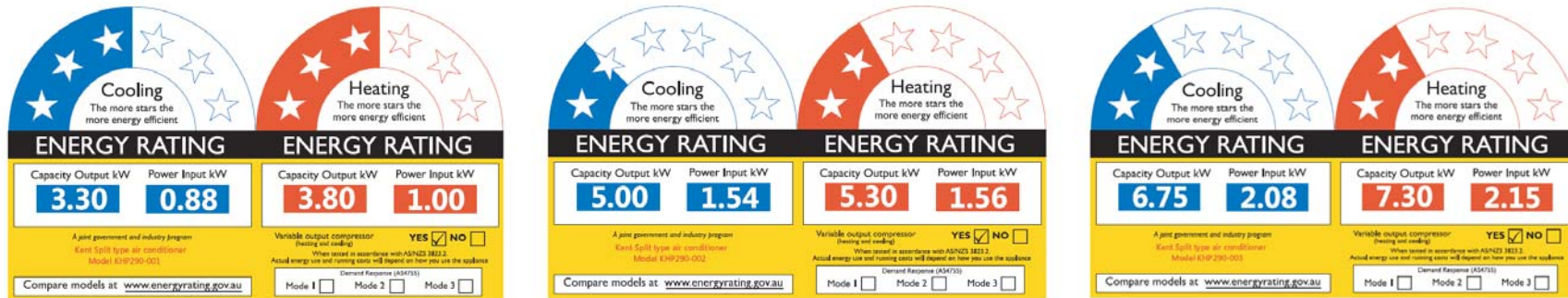
**Note the different star ratings applied to energy efficiency performance label types.**

There are currently two types of heat pump labels found in NZ - an old combined label and a revised side-by-side label. This is because some NZ heat pumps are also sold in Australia, where the labeling has been revised and new test operating conditions have been applied. Kent uses the revised version, whereby a side-by-side rating label shows separate heating and cooling performance. The red stars are for heating efficiency and the blue stars are for cooling efficiency. The older combined labels show both red and blue stars on top of each other (as shown to the right).



**Take care when comparing these labels as the star ratings are dialed back by two stars on the side-by-side label. A two-star model shown on a side-by-side label is equivalent to about a five-star model on the older combined label (Kent rating equivalents in table below).**

Here are the side-by-side labels shown on the three sizes of Kent heat pumps:



The labels declare the performance of a heat pump when operated during test-controlled conditions. Capacity output is the amount of heating or cooling (kWh) you will get out of the heat pump (at its rated capacity, at 7 °C). Power input is the amount of electricity the product uses (kWh) to produce the cool or hot air. You can also use the numbers to calculate a heat pump's heating efficiency, which is known as the Coefficient of Performance (COP), or its cooling efficiency, known as the Energy Efficiency Ratio (EER). The higher the ratio, the more efficient it is. Coefficient of Performance (COP) is the ratio between the heating power input and capacity output. For example, 5.30 divided by 1.56 = 3.39. Energy Efficiency Ratio (EER) is the ratio between the cooling input and output. For example, 5.00 divided by 1.54 = 3.25.

Brand	Model	Installation Type	Phase	Available	10 Yr Energy Cost	Cooling				Heating				Variable Output Compressor
						Star Rating Old	Star Rating New	Output (kW)	Energy Input(kW)	Star Rating Old	Star Rating New	Output (kW)	Energy Input(kW)	
Kent	KHP290-001	Single Split System, Non Ducted	Single	AUS & NZ	\$639	6	3	3.30	.88	6	3	3.80	1.00	✓
Kent	KHP290-002	Single Split System, Non Ducted	Single	AUS & NZ	\$1054	5	1.5	5.00	1.54	4.5	2	5.30	1.56	✓
Kent	KHP290-003	Single Split System, Non Ducted	Single	AUS & NZ	\$1438	5	2	6.75	2.08	4.5	2	7.30	2.15	✓