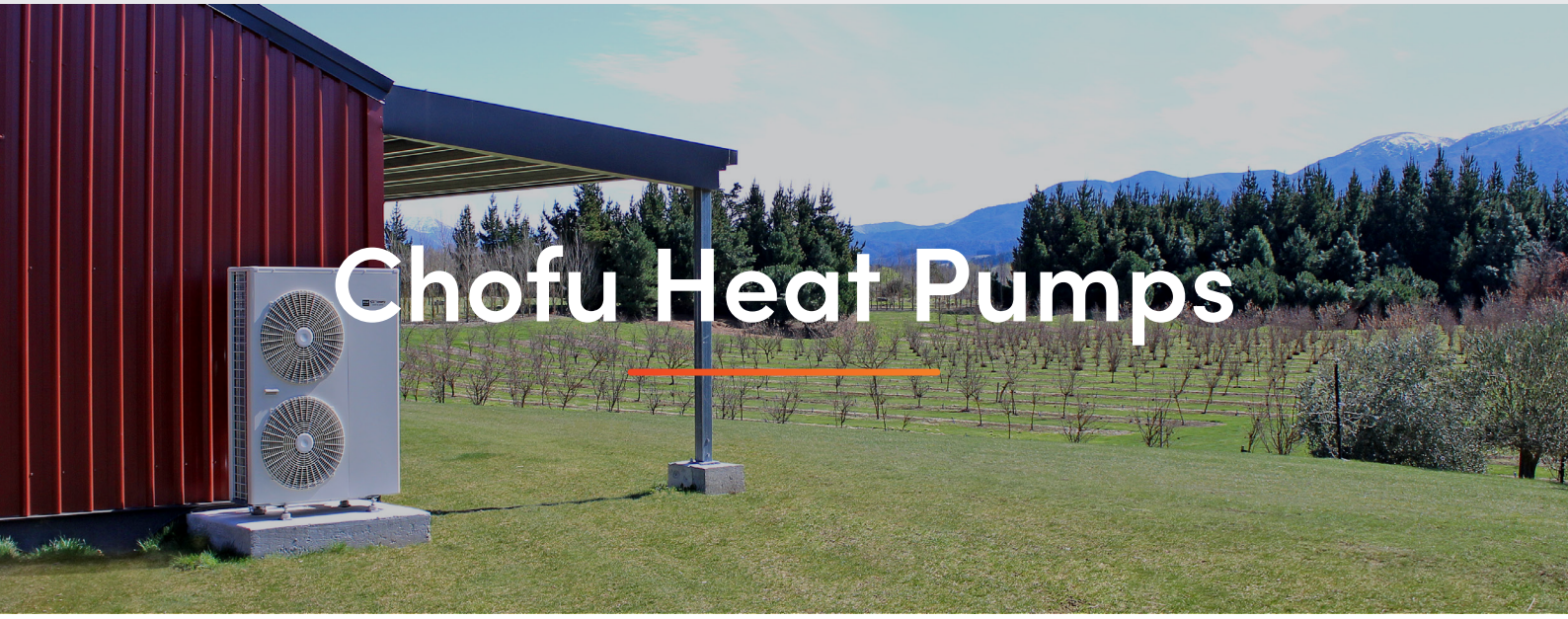

Chofu Heat Pumps

Latest heat pump technology

Made in Japan for Central Heating New Zealand, Chofu air-to-water heat pumps are ideal for warm water underfloor heating as well as radiators and domestic hot water production. Featuring a remote programmable keypad for control of operation, this heat pump is proven in the New Zealand environment.

An investment in your comfort

For more than 50 years Chofu has dominated Japan's domestic heating market becoming a household name synonymous with reliability and quality. Chofu's commitment to technological innovation, renewable energy and conservation has secured the company's position as Japan's leading air-to-water heat pump manufacturer.

Unknowingly, you may already be taking advantage of Chofu's expansive product offering. For decades the company has been providing complete white-label systems or componentry to international heating companies.

- 5-Year Warranty
- Inverter Compressor
- Low Noise
- Max Temp 60°C
- Min Ambient -20°C
- Environmentally friendly R32 refrigerant gas
- 10% reduction in energy consumption

A recent change in strategic direction has seen Chofu take large steps into the global heating arena. No longer the backing singer, Chofu is poised to take centre stage and its fair share of the international limelight.

Chofu's air-to-water heat pumps are an investment in your comfort and health. If you are wanting heating technology which boasts higher efficiencies, lower operation costs and more eco-friendly features than traditional heating methods look no further than Chofu's range.

Chofu's second generation, air-to-water heat pump is the first of its kind to use R32 refrigerant in New Zealand. R32 has less environmental impact than R410A which is currently the international refrigeration standard. With a GWP (Global Warming Potential) of 675, R32 is less than half of R410A, which has a GWP of 2090. Because R32 efficiently conveys heat it requires less refrigerant volume per kW. This equates to a 10% reduction in energy consumption.

The R32 Chofu boasts heating efficiencies over a COP of 4.5 and delivers temperatures up to 60°C at high efficiency. Chofu's air to water heat pump is suitable for use with underfloor heating systems and radiators. There are 6,10 and 16kW models available.

Key to Chofu's range is quality componentry which is engineered and built at Chofu's manufacturing plant in Yamaguchi on ogimachi, Japan. Chofu's scroll inverter technology provides a precise room temperature without fluctuations and power wastage. When external temperatures drop well below zero, Chofu heat pumps modulate temperature to maintain energy efficiency and uphold a superior Coefficient of Performance (COP).

Chofu's heat exchanger guarantees efficient heat transfer from air to water providing further cost savings. The company's patented anti-frost technology ensures high performance is maintained in temperatures as low as -20°C.

16kW, 10kW, and 6kW Chofu Air-to-Water heat pump

Model	6kW	10 kW	16 kW
Type	Heating and Cooling Monobloc Type DC Inverter (Reverse cycle)		
Power	1N ~ 230V 50Hz		
Heating (*)			
Capacity [kW]	6.0	10.0	16.0
Power Input [kW]	1.43	2.28	3.72
Running Current (MAX.) [A]	6.3 (11.2)	10.1 (17.5)	16.3 (25.3)
COP	4.20	4.39	4.30
Cooling (*)			
Capacity [kW]	5.0	8.0	16.0
Power Input [kW]	1.28	2.28	4.10
Running Current (MAX.) [A]	5.6 (8.1)	10.0 (11.6)	17.8 (23.0)
EER	3.91	3.51	3.90
Max. Pressure [MPa]	4.2	4.2	4.2
Refrigerant (R32) [kg]	0.8	1.55	2.99
Dimensions & Weight (NET)			
Height [mm]	675	882	1,418
Width [mm]	825	850	1,000
Depth [mm]	300	330	330
Weight [kg]	54	74	129
Noise			
Sound Power dB(A)	62	66	62
Sound Pressure dB(A) *1	54	58	54
Sound Pressure dB(A) *2	57	61	57

*1 Average sound pressure at 1m with 1 reflective surface (Q=2) - estimated
*2 Average sound pressure at 1m with 2 reflective surfaces (Q=4) - estimated

CHOFU