



# VARIVAT

Specialist Refrigeration Equipment



Westpac Waikato Business Awards  
Innovation Winner



18

- Increased vat chilling performance
- Chills multiple vats
- Issues warning alerts
- Lower current draw for chilling output
- Significant reduction in refrigerant footprint
- No need for additional plate coolers
- 'Optional' hot water generation
- 'Optional' comprehensive monitoring and reporting via 'CoolCARE'
- Designed and built in New Zealand for Kiwi farmers
- + MORE

*You don't need any other chillers on the farm when you choose a VariVAT. We arrange the complete installation from start to finish, with minimal disruption to you.*

coolsense.co.nz

Cold, calm <sup>AND</sup> Connected

SNAP CHILLING | HEAT RECOVERY | ENERGY SAVING





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## WHO KNEW MILK CHILLING COULD BE THIS SIMPLE?

One 'box' which does it all – snap chilling, hot water and compliance.

Greg Lohead,  
Mount Oaks Farm

### THE COMPLETE TURN-KEY SOLUTION

VariVAT provides a comprehensive turn-key package that includes all componentry to complete your on-farm milk chilling and heat recovery requirements (electrical connection required).



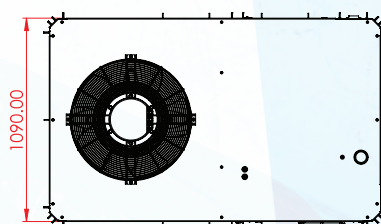
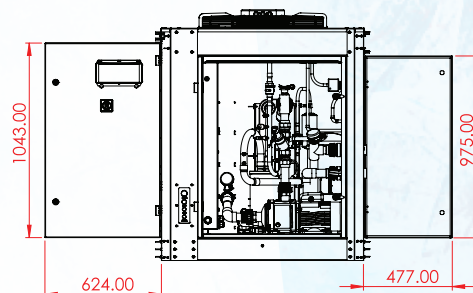
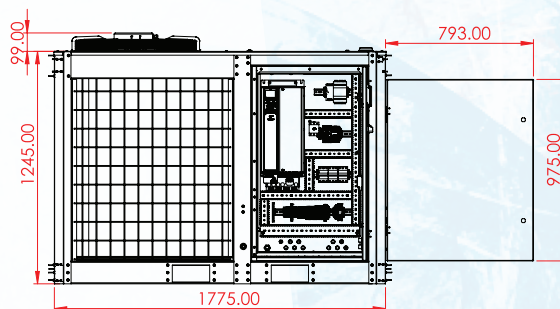
**VARIVAT | 18**

Energy Efficiency Rating @ 7°C	3.4
Power Input	415V/3ph 50 Hz With Neutral
Refrigerant	R410A/R454B
Refrigerant Weight	10.8 kg
Refrigerant Oil	Polyester 160SZ
Cooling Capacity Control	25% to 100%
Max Cooling Capacity @ 7°C	52 kW
Fluid Medium and SHC	40% MPG SHC 3,746 J/kg/°C
Fluid Flow	3,800 L/hr to 11,000 L/hr
Max Air Inlet Temperature	36°C
Variable EC Fan Speed / kW	0 to 1,510 RPM @ 3.2 kW
Condenser Max Air Flow / PD	13,800 m³/hr @ 130 Pa
Heat Recovery %	32%
Total Absorbed Power *	22.8 kW
Maximum Nominal Current	32.7 Amps
Displacement Power Factor	0.97
Dry Weight **	626 kg
Operating Weight	710 kg

\* Total Absorbed Power without Internal Pump installed

\*\* Total Weight of Basic Options (without Pump, Buffer Tank, De-Super Heater installed)

#### VARIVAT 18



INSTALL KIT | PIPEWORK | PLATE EXCHANGE COOLERS | HOT WATER HEADER TANK | CHILLER UNIT

Products of **COOLSENSE NZ LTD**  
www.coolsense.co.nz

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