

SMARTD Product Line

SMARTD

The global #1 in oil-free centrifugal chillers.
Revolutionary **Energy Savings** for the built
environment!



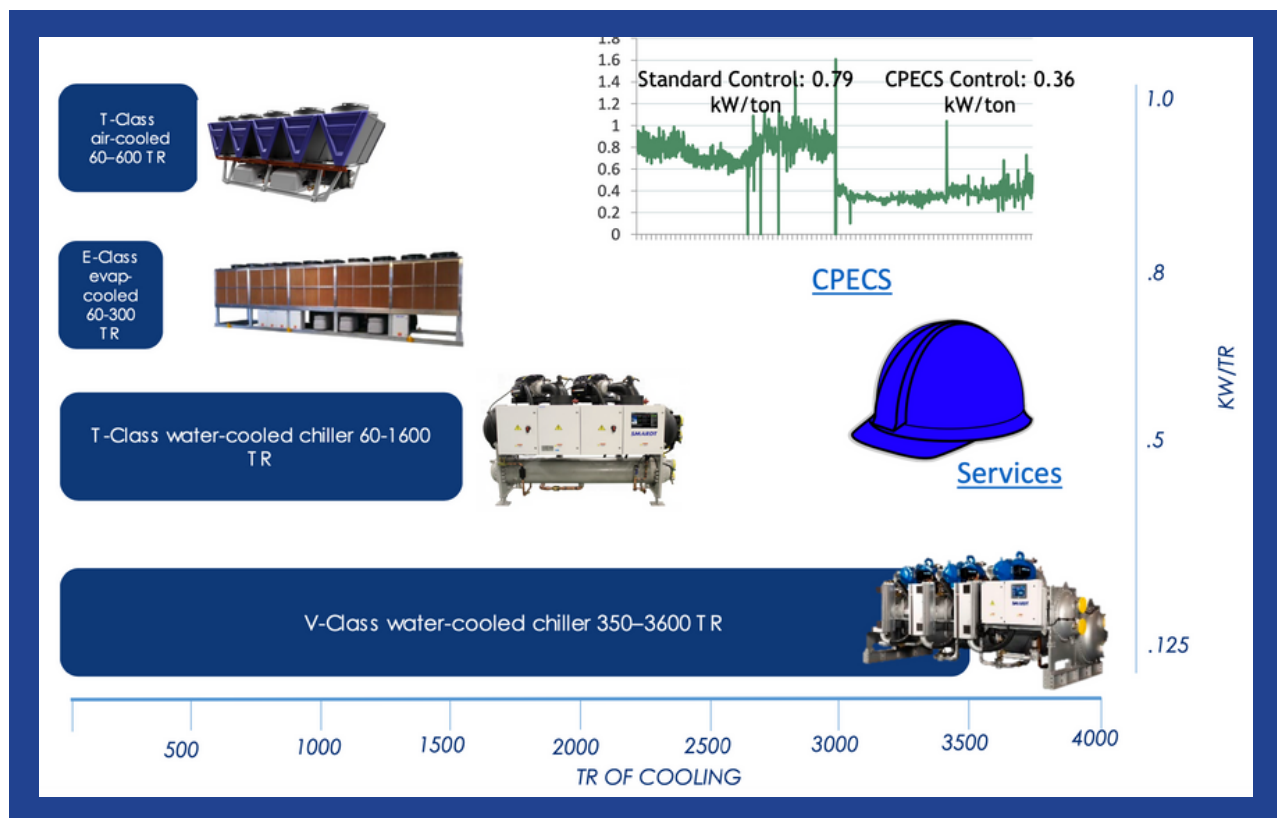
JSA Service
Chiller & HVAC Specialists

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THE WORLD LEADER IN OIL-FREE CHILLER EFFICIENCY

The Smardt Chiller Group was established to maximise the customer benefits of the Turbocor oil-free centrifugal compressor technology in chiller performance. Driving whole life costs of ownership way down, your Smardt chiller saves you money, year after long year, while reducing your carbon footprint and making a major

contribution to the future of the planet. Working with the Turbocor technology longer than any other HVAC manufacturer in the world, the Smardt Chiller Group has developed a lead in performance and reliability which translates into major benefits for owners – and the environment.



20% - 50 % Increase in Chiller Efficiency

- Greenfield sites
- Chiller replacements
- Plant upgrades
- Compressor retrofits



SMARTD KEY FACTS

Pioneer & world leader in high efficiency oil-free chillers



PIONEER

Founded in 2005 by Turbocor founder Roger Richmond-Smith.



HISTORY

Largest oil-free chiller installation base with some 8000 installed.



TECHNOLOGY

Development centers in Stuttgart, Montreal, Melbourne.



EXPERTISE

Largest user of Turbocor compressors in the world.



GLOBAL

Manufacturing in Germany, Australia, Canada, USA, China, Brazil.



KNOW-HOW

Unparalleled experience across a diverse range of applications, climates and industries.

T-CLASS AIR-COOLED CHILLERS 60 - 600 TR

- Small footprint and light weight
- "V" coil configuration for added protection
- EC fans as standard
- Stainless steel or epoxy coated base frame available
- More efficient than variable speed screws
- Refrigerant: R134a, 513A



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E-CLASS EVAPORATIVE CHILLERS 60-300 TR

- Most suitable for dry climates
- Water-cooled efficiencies achievable
- EC fans as standard
- Low water consumption, low maintenance costs
- Refrigerant: R134a, 513A



T-CLASS WATER-COOLED CHILLER WE 60-1600 TR

- Multiple compressor design
- Redundancy with up to 8 compressors
- Customisable vessel configurations
- Compact footprint
- Refrigerant: R134a/513a

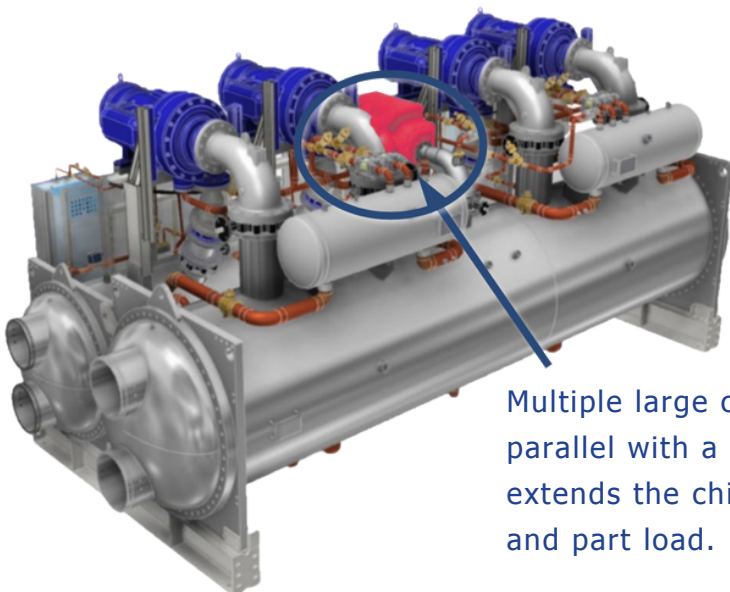


V-CLASS WATER-COOLED CHILLERS 350 - 3600 TR

- World's largest capacity oil-free chiller
- Multiple compressor design
- Redundancy with up to 8 compressors
- Customisable vessel configurations
- Compact footprint
- Refrigerant: R134a



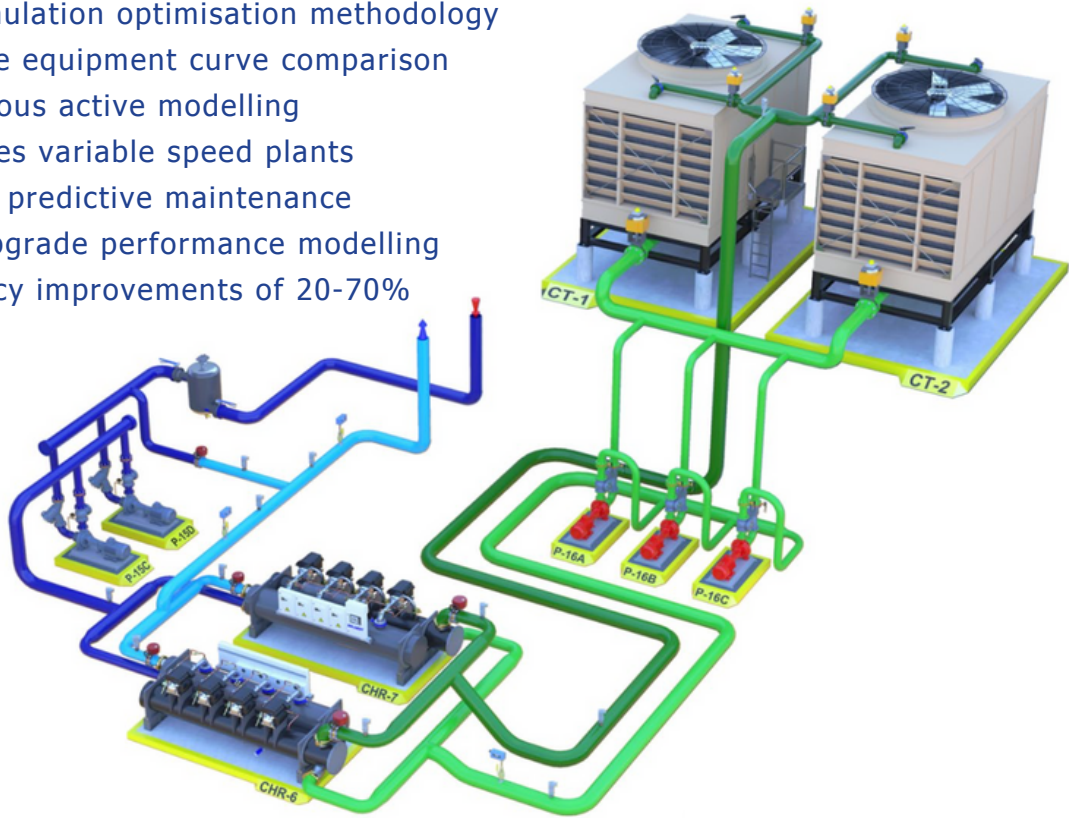
V-CLASS WATER-COOLED: PONY EXPRESS



Multiple large compressors running in parallel with a single small compressor extends the chillers capabilities at full and part load.

CENTRAL PLANT ENERGY CONTROL SYSTEM (CPECS)

- World leading advanced plant optimisation system
- Live simulation optimisation methodology
- Realtime equipment curve comparison
- Continuous active modelling
- Optimises variable speed plants
- Enables predictive maintenance
- Plant upgrade performance modelling
- Efficiency improvements of 20-70%



01932 780 321



info@jsaservice.com



123 Harris Way, Sunbury-on-Thames, Middlesex TW16 7EL



Department DD Number

Service Desk	01932 756 969
Parts ID	01932 756 968
Technical - Training	01932 756 967
Accounts	01932 756 966



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