



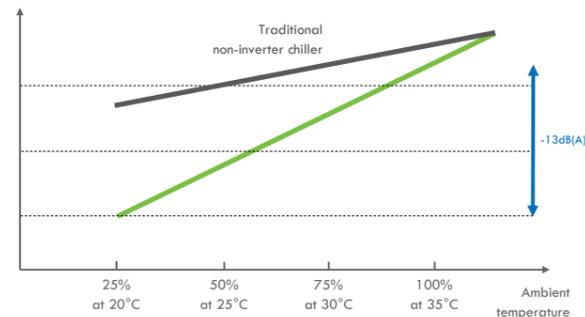
The chillers and compressors have been subject to intensive testing at extreme working conditions. Performances, acoustic, endurance and vibration tests ensure the most robust technical solution.

COMPACT DESIGN

Using the highly efficient compressor with integrated inverter, compact heat exchangers and space-saving panel, more power is delivered from a reduced footprint.

SILENT OPERATION

Sound power levels at full load operating conditions are down to 86 dB(A) and even lower at part load conditions.



EXTENSIVE OPTION LIST

- ▶ The **rapid restart** option enables the chiller to restart within 30 seconds of the power being restored and reach full-load cooling capacity in less than 6 minutes
- ▶ The **Smart energy meter** enables you to remotely monitor the energy usage in real time and adjust it accordingly
- ▶ **VFD pumps** can be used to optimise the working efficiency of the chiller and thus maximise the energy savings
- ▶ **Refrigerant leak detection** option provides rapid advanced warning of potential problems. Refrigerant losses are minimised

Industrial Chiller

PRODUCT SOLUTIONS

- HIGH EFFICIENCY
- RELIABILITY
- COMPACT DESIGN
- STANDARD 3 YEAR WARRANTY
- R134a



PROVEN CAPABILITY

DAIRY

- ▶ Air cooled chiller installation
- ▶ Propylene glycol is cooled and used for process cooling of milk
- ▶ Daikin high efficiency air cooled chiller EWAD540TZXS
- ▶ Incorporates HallScrew single screw compressor technology
- ▶ 477kW cooling capacity

BREWERY

- ▶ Turnkey project
- ▶ Twin circuit high efficiency Daikin Air Cooled Chiller EWADH14C
- ▶ 1055kW capacity when chilling 30% propylene glycol from 2°C to -4°C
- ▶ Two HallScrew single screw compressors
- ▶ SCADA controls



Ref: DaikinChiller_1.1_0317





AN INTRODUCTION TO...

Industrial air cooled chiller solutions

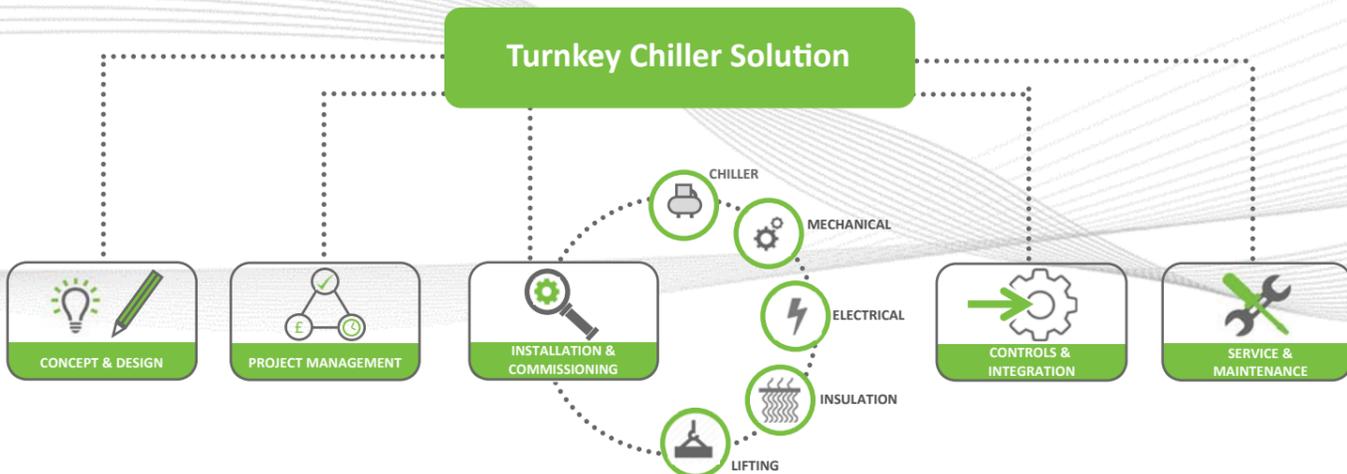
Complete turnkey solutions using Daikin air cooled chillers with R134a inverter driven single screw compressors

Refrigeration is a critical component to deliver operational reliability and efficiency. Built on a proven track record of quality and technological expertise, J & E Hall incorporates Daikin air cooled chillers into sustainable, cost effective and business specific solutions for the food and beverage sector.

As a member of the Daikin group we have a passion for building long term client partnerships, which is demonstrated by our focus on plant sustainability, energy efficiency and life cycle costs.

- ▶ Complete turnkey solution
- ▶ Duties from 170kW up to 2MW
- ▶ Outstanding reliability
- ▶ Compact design
- ▶ HallScrew single screw compressors
- ▶ Inverter technology for superior efficiency
- ▶ Heat pumps
- ▶ Standard 3 year warranty

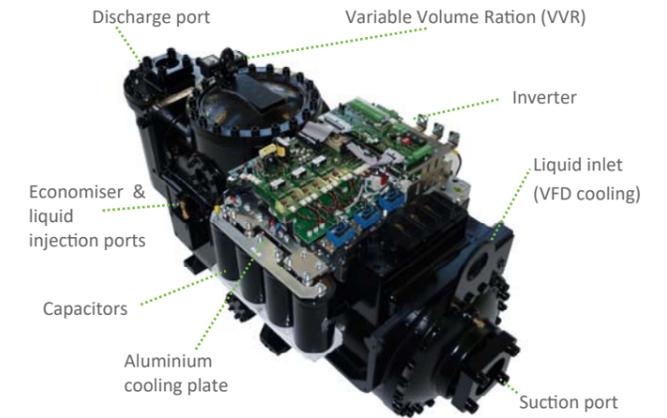
Turnkey Chiller Solution



Industrial Chiller

The HallScrew inverter single screw compressor at the heart of Daikin's chiller range reflects the Group's commitment to developing highly efficient systems without compromising on reliability and performance.

By installing these advanced chillers, food and beverage manufacturers can benefit from significant carbon savings and reduce the impact of rising energy prices.

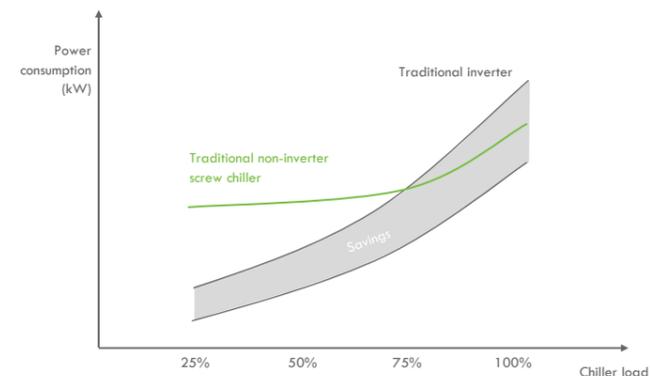


Best full load and part load efficiencies

Daikin inverter screw chillers can deliver precise control of your process cooling requirements. The advanced control technology matches the unit's output to the process requirements and optimises the plant's efficiency for any loads between 10 – 100%.

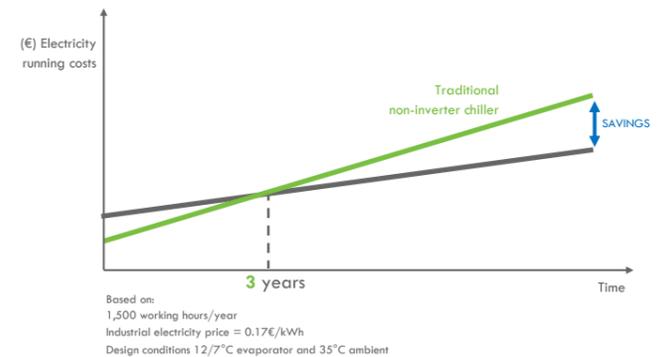
- ▶ Inverter screw compressors run most efficiently at partial loads, using only the power necessary to match the load required
- ▶ Control software with Dynamic Condensing Pressure Management and Innovative Economisers Control logic. This results in an efficiency optimisation from using the most efficient set point for the unit at any ambient temperature

High efficiency components



Rapid payback relative to traditional non-inverter chiller

Seasonal cooling application:
Return on investment within 3 years



Process cooling application:
Return on investment within 1 year

