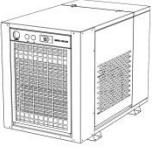








Thermex Solutions is Australia’s largest manufacturer of small specialised industrial water chillers

The table below shows the full range of Thermex industrial process chillers and an indication of their performance and size

For more in-depth information the on the product or some information on how the chiller can be supplied to suit a more specialised cooling requirement see the individual data sheets or contact Thermex

Model	Nominal Cooling Capacity- kW	Dims –L W H
Air Cooled Outdoor Chillers		
	TCM010	1.0
	TCM015	1.2
	TCM020	1.7
	TCM025	2.3
	TC03	3
	TC04	4
	TC07	7
	TC08	8
	TC10	10
	TC12	12
	TC15	15
	TC18	18
	TC20	20
	TC25	25
	TC27	27
	TC30	25.0
	TC40	36.0
	TC50	45.0
	TC60	60
	TC80	80
	TC100	100
	TC125	120
	TC150	150



60-100 kW Chillers with internal buffer tanks			
	TC60A-B	60 kW	2165 x 1850 x 1650
	TC80A-B	80 kW	
	TC100A-B	100 kW	
	TC120A-B	120 kW	
Closed Loop Chillers – for installations where there is external water storage			
	TC03A-CL	3.0	850 x 680 x 850
	TC04A-CL	4.0	
	TC07A-CL	3.7	1120 x 680 x 850
	TC08A-CL	4.5	
	TC10A-CL	5.1	
	TC12A-CL	6.1	
	TC15A-CL	8.1	1520 x 800 x 1200
	TC18A-CL	10.3	
	TC20A-CL	11.7	
	TC25A-CL	15.6	
	TC27A-CL	17.5	
	TC30A-CL	25.0	
	TC40A-CL	36.0	2165 x 970 x 1300
	TC50A-CL	45.0	

STANDARD FEATURES

- **Rugged Powder coated galvanised steel** chassis for all weather durability
- **All weather durability** – all the components on the chiller are rated to be in the weather. The electrical enclosure is an IP55 rated
- **Pumps** – Thermex series chillers are supplied with an integrated primary pump
- **High efficiency scroll compressors** from the industry’s leading suppliers for durability and long product life
- **Warranty** – Comprehensive 12 months warranty on all parts and labour
- **Buffer tanks** to provide close temperature control and minimise compressor starts – stainless steel – for chillers up to 50kW
- **High efficiency** R134a refrigerant with low global warming potential and to ensure operation in even the highest ambient temperatures
- **Comprehensive** factory acceptance testing before dispatch
- **Highly** accurate electronic controller
- **Stainless steel** plate heat exchanger evaporator
- **Evaporator** protection on all models
- **A comprehensive range to suit any solution**

OPTIONS

- Primary/ secondary heat exchanger for food preparation or for cooling high water temperatures
- Castors
- Split unit construction with remote condensers
- High ambient operation for installations up to 52C
- Variable speed drives – fitted to the compressor to allow turn down in partial load conditions
- Electronic TX valves for accurate super heat control and improved evaporator performance
- Redundant pumps
- Reverse cycle to provide heat and cooling for environmentally affected systems
- UPS connection for the water pump, controller etc
- Remote on/off switches
- Ultra-quiet operation
- Condenser spray systems
- Condenser protection – coating that provide extra-long life where the unit is installed in a corrosive atmosphere
- Water filters
- Tandem installation with duty cycling

Industrial process chillers are designed to circulate water to a heat producing process via a water pump. The water brings the heat back to the chiller where the compression cycle cools the water before it is returned to the heat process.

They are typically not for potable water applications although the chiller can be designed to supply potable water.

All Thermex chillers up to 50kW are supplied with a buffer tank – the buffer tank is an important feature in all chillers and the bigger the better. The buffer tank in a process chiller has many benefits such as

- helping protect the compressor from excessive starts
- preventing thermal spikes impacting on the compressor
- allows closer temperature tolerance to the process
- having stored chilled water to allow a managed shut down of a process should there be a problem with the cooling cycle
- allows for a vented design and prevent the need for a hydraulics kit



All Thermex process industrial chillers are supplied with high efficiency scroll compressors supplied by Copeland. The scroll compressor is the latest in compressor technology

All Thermex water chillers use R134a refrigerant – R134a is a contemporary refrigerant with a low global warming potential. R134a refrigerant also has the benefit of being a low-pressure refrigerant gas – this allows Thermex chillers to operate in extreme ambient conditions- up to 52°C. Chinese and European manufactured chillers are rated at 35C ambient condition and are generally supplied with condensers that are not suited to these extreme conditions.



CONTACT

THERMEX SOLUTIONS
20/85 ALFRED RD
CHIPPING NORTON NSW 2170
AUSTRALIA
www.thermex.com.au

Phone – (02) 9724 2492

Email

sales@thermex.com.au