INDUSTRIAL CHILLERS

Aqua Cooler's Industrial Cooling Solutions

Your Partner In Cool.

AQUA CHILLER

About Us

Formed in 1994 by the amalgamation of three companies specialising in chilled technology, Aqua Cooler has a proud heritage dating back to 1946 with the manufacture of packaged water chiller units. With over 50 years experience in the industry, no other Australian brand can offer the same level of attention to detail and quality.

Today, the company offers a wide range of industrial process chilling products in four ranges, providing a solution from small indoor scientific chillers in our gladiator range through to large roof top packaged units containing dual refrigeration and water circuit redundancy for mission critical process cooling.

Aqua Cooler offers a host of products and solutions to the market, in addition to a resource-packed aftermarket service. With over 50 years in refrigeration and an intimate understanding of our customer's process cooling needs allow us to provide unparalleled level of specialised aftermarket service.

Your Partner In Cool.

AQUA COOLER

AQUA CHILLER

ARCtick CERTIFIED
Refrigerant Trading Authorisation AU41196

Aqua Chiller Applications

There's an AquaChiller process chiller to fit every application. We regularly supply industries such as medical imaging, healthcare, plastic manufacturing, mining and mineral production, pharmaceutical, farming, laser and waterjet cutting, data centres, food processors and almost any other process imaginable that requires water cooling.

Scientific Applications

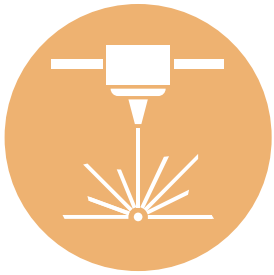
Agriculture

Healthcare

Chemical & Pharma

Machine Tools

Plastics



Laser

Food Processing

Aqua Cooler is Trusted By:

Queensland Government

BHP

NSW GOVERNMENT

MONASH University

UNSW THE UNIVERSITY OF NEW SOUTH WALES

Which Aqua Chiller Range is right for me?

Aqua Chiller has a solution for a wide range of industrial cooling requirements. Our chillers are categorised into four ranges, each with their own unique features and benefits. From a small chiller suitable for indoor laboratory equipment, to a large dual redundancy Gladiator HYDRA unit suitable for critical applications, we can provide you with the best solution.

Factors to consider with selection of models

Each Industrial Chiller range offers its own unique features and benefits, designed to deliver ultimate value to our customers. With multiple levels of technology, you only pay for what you really need.

Additional options and bespoke solutions

Need any additional options such as an upgraded pump, remote condenser, close hysteresis or low temperature options? Our team can help. Contact us to speak with our in-house engineering and sales team to devise a customised solution to suit your chilling needs.

Full Range Features

- Your choice of refrigerant (R134a, R410a).
- Built with world-market-leading component brands such as Emerson and Danfoss compressors.
- Hydrophilic-coated aluminium condenser fins with an upgrade e-coating option for additional corrosion protection.
- High-quality build with galvanised frames and panels forming a stylish and practical structure.
- Laden with safety features, such as phase failure protection, flow switch protection, high and low pressure protection and over-heating protection, included as a standard feature in all chillers.
- Available in both air-cooled and water-cooled configurations and open or closed loop pipework to suit the process needs.
- Various water pump options to suit high and low pressure applications.
- Multiple evaporator types available including coil-in-tank, plate heat exchanger, or shell and tube (on request).

Full Range Benefits

- Wide operating limits means Aqua Cooler's Aqua Chiller can be used in a broad range of situations, particularly important for the harsh Australian climate.
- Most models' internal buffer tanks ensure that temperature remains consistent under varying loads, we also offer closed loop versions for existing chillers.
- Simple to use PCB controller; set-and-forget reliability.
- A large selection of chiller models are available to suit a wide range of applications.
- With over 50 years in refrigeration and an intimate understanding of our customer's process cooling needs Aqua Cooler's proud history allows you to select an Aqua Chiller with confidence.

AQUA CHILLER

Feature	GLADIATOR	ThermalX	GLADIATOR TITAN	GLADIATOR HYDRA
High Quality Build Suitable for Outdoor Use	✓	✓	✓	✓
Choice of Refrigerant	R410a / R134a	R410a / R134a	R410a / R134a	R410a / R134a
Hydrophilic Blue Fin Aluminium Condenser	✓	✓	✓	✓
Optional Blygold Condenser Coating	✓	✓	✓	✓
Evaporator Options	Coil in Tank, Plate Pack	Coil in Tank, Plate Pack	Plate Pack	Pate Pack
Controller	Basic PCB	Advanced PCB	Advanced PCB	Advanced PCB
Internal Buffer Tanks	✓	✓	✓	✓
Compressor Brand	Panasonic/ Emerson/ Danfoss	Emerson/Danfoss	Emerson/Danfoss	Emerson/Danfoss
Electrical Components	Schneider	Schneider	Schneider	Schneider
Various Pump Options	✓	✓	✓	✓
BMS Connectivity	RS485 Modbus RTU	BACnet /Modbus	BACnet /Modbus	BACnet /Modbus
Internal Network Web Interface	×	✓	✓	✓
Fan Speed Controller	HP Control	✓	✓	✓
Closed Loop Option	✓	✓	✓	✓
Flow Protection	Switch	Meter	Meter	Meter
Pressure Sensors	Manual	Transducers	Transducers	Transducers
Phase Fail Protection	✓	✓	✓	✓
Optional Aqua Cooler Advanced Monitoring Solution	Limited	✓	✓	✓
Data Logging	×	✓	✓	✓
Mounting Options	Castors, Skid	Castors, Skid	Skid	Skid
Redundant Refrigeration Circuit	×	×	✓	✓
Redundant Water Cirucit	×	×	×	✓
Remote Condenser Option	✓	✓	✓	✓
UPS Option (pump only)	✓	✓	✓	✓

Our Chillers at a glance.

Electrical

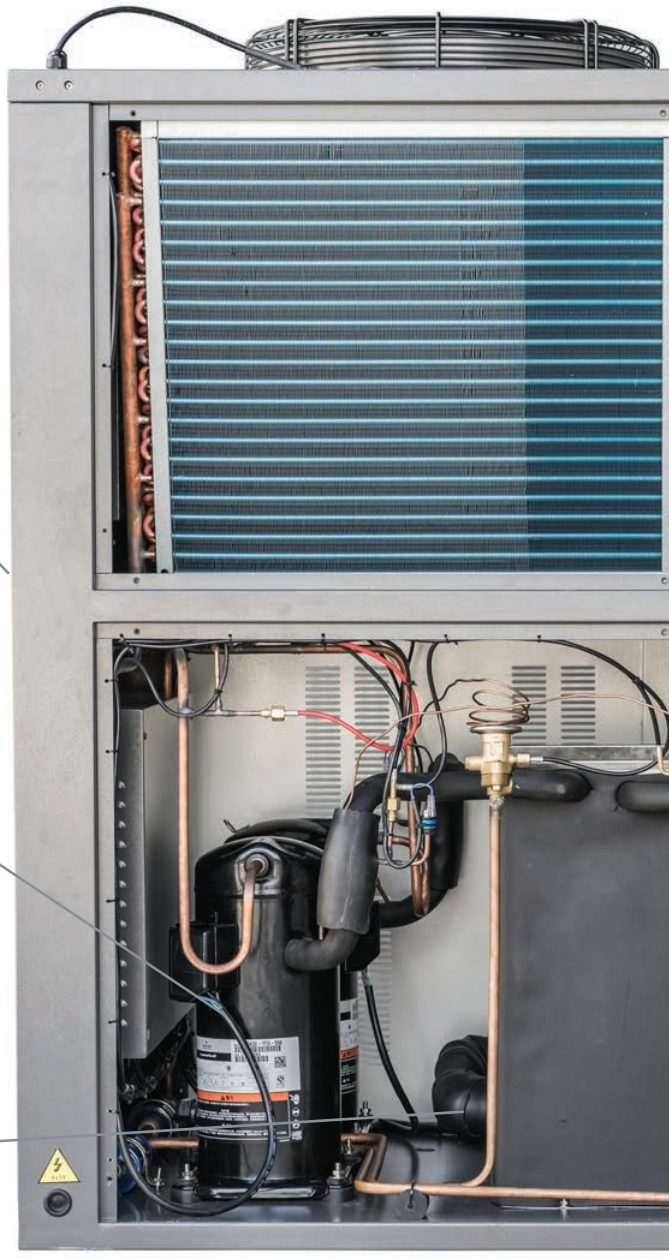
Every component in our chillers have been selected for reliability and longevity. Electrical components including breakers and relays are sourced from reputable suppliers such as Schneider. Our controllers are easy to use with "set and forget" reliability.

Compressors

Our chiller's compressors bring you long lasting reliability and durability with exceptionally high standards of quality. Only the best of the best makes the cut, such as Emerson and Danfoss.

Pumps

A range of pump options are available for our chiller range. All of which are sourced from highly reputable and market leading manufacturers. Closed loop options are available to suit external pumps or tanks.



Optional Features

- External tank
- Glycol compatibility
- Remote condenser
- External pump / tank
- Pump upgrades

Enclosure

The stylish and practical structural enclosure is robustly constructed with a rigid frame, powder coated galvanised aluminium panels and heavy-duty castors or skid channels. Our chillers are designed for indoor or outdoor installation.

Condensers

Aqua Cooler uses a custom-designed and manufactured condensors in our chillers. An advanced hydophilic coating on the condenser is included as a standard feature and an option of blygold coating exists for extreme environments.

Evaporators

Our chillers are equipped as standard with an efficient coil-in-tank or shell-and-tube type (model dependant) evaporator, with the option to upgrade to an even high-performing plate-type exchanger.

Internal Tanks

Most of our chillers are equipped with an integrated internal buffer tank to cover peak loads or in situations where a surge in demand exceeds.

Close tolerance upgrade

Fan upgrades

Quality Assured

All Aqua Cooler chillers are tested throughout the manufacturing process followed by a substantial and comprehensive test upon completion. Coupled with the world's most trusted component brands, Aqua Cooler's products are designed and built to last.

ThermalX

Aqua Cooler's Thermal X range contains our R Series design which has stood the test of time in the harshest Australian conditions. With over 5,500 installs worldwide, Aqua Cooler's R Series is backed by 50 years of history and experience. Each R Series includes our advanced PCB controller as a standard feature which allows advanced control including a web-based interface via IP, HLI capability via RS485, Modbus, Bacnet, and more.

Features

- Thermal X Series industrial process chillers are Australian designed and tested.
- A high ambient temperature operation of up to 46°c with R134a.
- Advanced PCB controller with Australian designed software allows advanced control - Web page interface via IP, HLI capability RS485, Modbus, Bacnet, and more.
- Extensive parameter settings to suit a variety of applications.
- Advanced safety controls will ensure your chiller remains safe. Features such as phase protection, thermal overload, low flow protection, water freeze protection and more as a standard feature.
- Improved data logging via USB or webpage download.
- Variable speed drive options on fans ensure your Thermal X chiller is only working as hard as it needs to.
- Open or closed loop pipework options to suit the requirements of the process.
- Refrigerant options of R134a or R410A.
- High efficiency scroll and rotary compressors made by industry leading brands.
- Manually controlled water bypass valve to reduce water flow to suit applications.
- View critical parameters such as pressures, water flow rate, and temperatures via the PCB.
- Supports remote start/stop/on/off , remote alarm signal output, and remote run signal.

Benefits

- Using the advanced PCB, multi-chiller control options are available that allow benefits such as redundancy control, remote start / stop and performance monitoring.
- Your Aqua Cooler R Series industrial process chiller can be tailored to your unique requirements ensuring you have the most effective and efficient solution to your project. Talk to us about any required customisations.
- Wide operating limits means Aqua Cooler's R Series can be used in a broad range of situations, particularly important for the harsh Australian climate.
- Internal buffer tanks ensure that temperature remains consistent under varying loads.
- Rely on over 50 years of industry experience and over 5,500 Thermal X chillers to be sure you're making the right investment.

AQUA COOLER

Quality Assured

All Aqua Cooler chillers are tested throughout the manufacturing process followed by a substantial and comprehensive test upon completion. Coupled with the world's most trusted component brands, Aqua Cooler's products are designed and built to last.

Specifications: 1-17 kW

	Cooling Capacity	Input Power		Current Draw (A)		Refrigerant			Compressor			
Model	kW	kW	Power	Operation	Maximum	Type	Charge (kg)	Control method	Type	Number in Chiller	Brand	Power (kW)
R150A1-A-CC	1.6	1.8	1PH/240V/50HZ	7.1	10.4	R134a	1.0	Expansion Valve	Rotary	1	Haili	0.8
R150A1-A-PP	2.0	1.8		6.8	10.1	R134a	1.0		Rotary	1	Haili	0.8
R180A1-A-CC	2.3	1.9		8.2	18.0	R134a	1.4		Rotary	1	Emerson	1.0
R150A1-410-CC	2.5	1.9		6.3	9.2	R410A	0.9		Rotary	1	Panasonic	0.9
R150A1-410-PP	2.6	1.9		6.3	9.2	R410A	0.9		Rotary	1	Panasonic	0.9
R230A1-A-CC	2.7	2.2		8.0	20.0	R134a	2.1		Rotary	1	Emerson	1.3
R180A1-410-CC	2.8	1.9		6.9	10.2	R410A	1.6		Rotary	1	Panasonic	1.0
R180A1-A-PP	3.3	1.9		6.1	17.7	R134a	1.4		Rotary	1	Emerson	1.0
R180A1-410-PP	3.6	2.1		7.0	10.2	R410A	1.6		Rotary	1	Panasonic	1.1
R300A3-A-CC	3.8	2.5	3PH/415V/50HZ	6.5	13.0	R134a	2.6		Scroll	1	Danfoss	1.6
R230A1-A-PP	3.8	2.3	1PH/240V/50HZ	7.9	19.7	R134a	2.1		Rotary	1	Emerson	1.3
R330A3-A-CC	4.2	3.0	3PH/415V/50HZ	6.2	13.0	R134a	3.0		Scroll	1	Emerson	2.0
R300A3-410-CC	4.2	2.9		5.9	12.0	R410A	2.6		Scroll	1	Danfoss	2.0
R230A1-410-CC	4.3	2.6	1PH/240V/50HZ	9.3	14.5	R410A	2.0		Rotary	1	Panasonic	1.6
R330A3-410-CC	5.0	3.5	3PH/415V/50HZ	7.1	12.0	R410A	3.2		Scroll	1	Danfoss	2.5
R300A3-A-PP	5.2	2.6		6.3	12.7	R134a	2.6		Scroll	1	Danfoss	1.7
R230A1-410-PP	5.2	2.6	1PH/240V/50HZ	9.2	14.5	R410A	2.0		Rotary	1	Panasonic	1.6
R330A3-A-PP	5.8	3.2	3PH/415V/50HZ	6.1	12.7	R134a	3.0		Scroll	1	Emerson	2.3
R300A3-410-PP	5.9	3.0		6.5	12.0	R410A	2.6		Scroll	1	Danfoss	2.0
R420A3-A-CC	6.2	4.2		9.8	18.0	R134a	3.1		Scroll	1	Emerson	2.1
R330A3-410-PP	6.9	3.6		7.3	12.0	R410A	3.2		Scroll	1	Danfoss	2.7
R420A3-410-CC	7.0	4.3		8.0	17.0	R410A	4.2		Scroll	1	Danfoss	2.3
R540A3-A-CC	8.0	4.4		11.5	18.2	R134a	3.5		Scroll	1	Danfoss	2.4
R420A3-A-PP	8.1	4.2		8.8	17.0	R134a	3.1		Scroll	1	Emerson	2.2
R670A3-A-CC	9.1	5.1		13.0	21.0	R134a	4.2		Scroll	1	Danfoss	3.1
R540A3-410-CC	9.3	4.7		9.6	17.5	R410A	3.2		Scroll	1	Danfoss	2.7
R420A3-410-PP	9.4	4.3		8.1	17.0	R410A	4.2		Scroll	1	Emerson	2.3
R540A3-A-PP	9.7	4.5		10.1	17.2	R134a	3.5		Scroll	1	Danfoss	2.4
R670A3-A-PP	11	5.1		12.0	20.0	R134a	4.2		Scroll	1	Danfoss	3.1
R670A3-410-CC	11	5.5		11.1	19.0	R410A	5.5		Scroll	1	Danfoss	3.5
R830A3-A-CC	12	5.9		15.4	28.0	R134a	4.8		Scroll	1	Danfoss	3.9
R540A3-410-PP	12	4.8		9.6	17.5	R410A	3.2		Scroll	1	Emerson	2.7
R830A3-A-PP	14	6.0		14.4	27.0	R134a	4.8		Scroll	1	Danfoss	3.9
R830A3-410-CC	14	6.1		11.2	23.0	R410A	5.9		Scroll	1	Danfoss	4.1
R670A3-410-PP	15	5.5		11.1	19.0	R410A	5.5		Scroll	1	Danfoss	3.5
R1000A3-A-CC	16	7.1		19.5	40.0	R134a	6.4		Scroll	1	Danfoss	5.1

Notes

1. Nominal cooling capacity is calculated with 7°C chilled-water supply and 35°C inlet cooling air temperature at system flow rate and pressure
2. Working conditions:
   - Recommended temperature range of chilled fluid: 3°C and 25°C. Use of glycol recommended for set points under 3°C.
   - Temperature difference between inlet and outlet chilled fluid between 3°C and 10°C
   - We recommend the use of R134a when ambient temperatures are expected to reach 40°C+
3. Operation current draw (OCD) per phase at design point - Measure under Evaporating Temp: 2°C | Condensing Temp: 50°C | Superheat: 5K | Subcooling: 2K
4. The flow rate is the nominal flow rate at the available lift. The actual flow rate will depend on the load requirement and the pump curve. Non-standard pump available on request.

Condenser		Evaporator			Water Pump Standard Option Stainless Steel #304 Pump / Pipes			Upgraded Pump Options	Dimensions and Weight			
Type	Cooling air flow (m3/h)	Type	Tank volume	Inlet/outlet pipe calibre	Avail Lift (m)	Flow Rate (L/s)	Model		Length (mm)	Width (mm)	Height (mm)	Weight (kg)
Hydrophilic Alumunium fin with low noise rotor fan	2200	Coil in Tank	80	1"	44	2 m3/h l 0.56 L/s	CHLF2-60	Contact us for specialised pumping requirements	1170	640	1335	150
	2200	Plate Pack	21	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	150
	2200	Coil in Tank	80	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	160
	2200	Coil in Tank	80	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	150
	2200	Plate Pack	21	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	150
	2200	Coil in Tank	80	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	170
	2200	Coil in Tank	80	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	160
	2200	Plate Pack	21	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	160
	2200	Plate Pack	21	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	160
	2200	Coil in Tank	80	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	180
	2200	Plate Pack	21	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	170
	2200	Coil in Tank	80	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	190
	2200	Coil in Tank	80	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	180
	2200	Coil in Tank	80	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	170
	2200	Coil in Tank	80	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	190
	2200	Plate Pack	21	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	180
	2200	Plate Pack	21	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	170
	2200	Plate Pack	21	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	190
	2200	Plate Pack	21	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	180
	9000	Coil in Tank	180	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	350
	2200	Plate Pack	21	1"	44	2 m3/h l 0.56 L/s	CHLF2-60		1170	640	1335	190
	9000	Coil in Tank	180	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	350
	9000	Coil in Tank	180	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	380
	9000	Plate Pack	70	1"	44	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	350
	9000	Coil in Tank	180	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	410
	9000	Coil in Tank	180	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	380
	9000	Plate Pack	70	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	350
	9000	Plate Pack	70	1"	44	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	380
	9000	Plate Pack	70	1"	44	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	410
	9000	Coil in Tank	180	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	410
	9000	Coil in Tank	180	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	440
	9000	Plate Pack	70	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	380
	9000	Plate Pack	70	1"	44	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	440
	9000	Coil in Tank	180	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	440
	9000	Plate Pack	70	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	410
	9000	Coil in Tank	180	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	470

Safety Features

- Phase Sequence or Missing Phase Protection
- Low Water Flow Protection
- High Pressure Protection
- Low Pressure Protection
- Thermal Overload Protection
- High and Low CHW Supply Temperature Warning and Alarms
- High and Low CHW Return Temperature Warning and Alarms
- High Ambient Alarms
- Low Water Tank Alarm

Specifications: 17-112 kW

	Cooling Capacity	Input Power		Current Draw (A)		Refrigerant			Compressor			
Model	kW	kW	Power	Operation	Maximum	Type	Charge (kg)	Control method	Type	Number in Chiller	Brand	Power (kW)
R1200A3-A-CC	17	8.5	3PH~415V/50HZ	21.6	40.0	R134a	7.0	Expansion Valve	Scroll	1	Danfoss	6.5
R830A3-410-PP	17	6.1		11.2	23.0	R410A	5.9			1	Danfoss	4.1
R1000A3-410-CC	18	7.1		14.5	29.0	R410A	7.9			1	Danfoss	5.1
R1000A3-A-PP	19	8.3		18.9	39.0	R134a	6.4			1	Danfoss	6.3
R1330A3-A-CC	20	9.6		23.7	39.0	R134a	8.4			1	Danfoss	7.6
R1200A3-A-PP	20	8.9		21.0	39.0	R134a	7.0			1	Danfoss	6.9
R1200A3-410-CC	20	8.0		15.6	30.0	R410A	9.2			1	Danfoss	5.9
R1000A3-410-PP	21	7.2		14.7	29.0	R410A	7.9			1	Danfoss	5.2
R1330A3-A-PP	23	9.8		22.9	38.0	R134a	8.4			1	Danfoss	7.8
R1500A3-A-CC	24	11		27.3	49.3	R134a	8.9			1	Emerson	6.9
R1330A3-410-CC	24	8.9		17.0	29.0	R410A	11			1	Danfoss	6.9
R1200A3-410-PP	24	8.1		15.8	30.0	R410A	9.2			1	Danfoss	6.1
R1500A3-A-PP	27	11		25.7	47.6	R134a	8.9			1	Emerson	7.1
R1330A3-410-PP	27	9.1		17.2	29.0	R410A	11			1	Danfoss	7.0
R1500A3-410-CC	29	12		22.8	37.2	R410A	13			1	Danfoss	7.9
R1500A3-410-PP	34	12		23.0	37.2	R410A	13			1	Emerson	8.0
R2000A3-A-CC	36	16		32.2	65.3	R134a	15			1	Emerson	12.2
R2000A3-410-CC	37	14		27.8	45.8	R410A	17			1	Danfoss	10.5
R2000A3-A-PP	38	16		30.6	63.6	R134a	15			1	Emerson	12.3
R2000A3-410-PP	42	15		28.1	45.8	R410A	17			1	Emerson	10.8
R2500A3-A-CC	44	19		34.8	83.3	R134a	18			1	Emerson	15.5
R2500A3-410-CC	47	18		32.9	58.2	R410A	23			1	Danfoss	14.5
R2500A3-A-PP	48	20		33.4	81.6	R134a	18			1	Emerson	15.9
R2500A3-410-PP	55	19		33.4	58.2	R410A	23			1	Emerson	14.9

Notes

1. Nominal cooling capacity is calculated with 7°C chilled-water supply and 35°C inlet cooling air temperature at system flow rate and pressure
2. Working conditions:
   - Recommended temperature range of chilled fluid: 3°C and 25°C. Use of glycol recommended for set points under 3°C.
   - Temperature difference between inlet and outlet chilled fluid between 3°C and 10°C
   - We recommend the use of R134a when ambient temperatures are expected to reach 40°C+
3. Operation current draw (OCD) per phase at design point - Measure under Evaporating Temp: 2°C | Condensing Temp: 50°C | Superheat: 5K | Subcooling: 2K
4. The flow rate is the nominal flow rate at the available lift. The actual flow rate will depend on the load requirement and the pump curve. Non-standard pump available on request.

Condenser		Evaporator			Water Pump Standard Option Stainless Steel #304 Pump / Pipes			Upgraded Pump Options	Dimensions and Weight			
Type	Cooling air flow (m3/h)	Type	Tank volume	Inlet/outlet pipe calibre	Avail Lift (m)	Flow Rate (L/s)	Model		Length (mm)	Width (mm)	Height (mm)	Weight (kg)
Hydrophilic Alumunium fin with low noise rotor fan	9000	Coil in Tank	180	1"	45	4 m3/h l 1.11 L/s	CHLF4-60	Contact us for specialised pumping requirements	1685	810	1600	500
	9000	Plate Pack	70	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	440
	9000	Coil in Tank	180	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	470
	9000	Plate Pack	70	1"	44	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	470
	9000	Coil in Tank	180	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	530
	9000	Plate Pack	70	1"	44	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	500
	9000	Coil in Tank	180	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	500
	9000	Plate Pack	70	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	470
	9000	Plate Pack	70	1"	44	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	530
	13000	Coil in Tank	495	1½"	39.5	12 m3/h l 3.33 L/s	CHLF12-40		2615	1000	1830	700
	9000	Coil in Tank	180	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	530
	9000	Plate Pack	70	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	500
	13000	Plate Pack	270	1½"	39.5	12 m3/h l 3.33 L/s	CHLF12-40		2615	1000	1830	700
	9000	Plate Pack	70	1"	45	4 m3/h l 1.11 L/s	CHLF4-60		1685	810	1600	530
	13000	Coil in Tank	495	1½"	39.5	12 m3/h l 3.33 L/s	CHLF12-40		2615	1000	1830	700
	13000	Plate Pack	270	1½"	39.5	12 m3/h l 3.33 L/s	CHLF12-40		2615	1000	1830	700
	13000	Coil in Tank	495	1½"	39.5	12 m3/h l 3.33 L/s	CHLF12-40		2615	1000	1830	750
	13000	Coil in Tank	495	1½"	39.5	12 m3/h l 3.33 L/s	CHLF12-40		2615	1000	1830	750
	13000	Plate Pack	270	1½"	39.5	12 m3/h l 3.33 L/s	CHLF12-40		2615	1000	1830	750
	13000	Plate Pack	270	1½"	39.5	12 m3/h l 3.33 L/s	CHLF12-40		2615	1000	1830	750
	13000	Coil in Tank	495	1½"	39.5	12 m3/h l 3.33 L/s	CHLF12-40		2615	1000	1830	850
	13000	Coil in Tank	495	1½"	39.5	12 m3/h l 3.33 L/s	CHLF12-40		2615	1000	1830	850
	13000	Plate Pack	270	1½"	39.5	12 m3/h l 3.33 L/s	CHLF12-40		2615	1000	1830	850
	13000	Plate Pack	270	1½"	39.5	12 m3/h l 3.33 L/s	CHLF12-40		2615	1000	1830	850

Safety Features

- Phase Sequence or Missing Phase Protection
- Low Water Flow Protection
- High Pressure Protection
- Low Pressure Protection
- Thermal Overload Protection
- High and Low CHW Supply Temperature Warning and Alarms
- High and Low CHW Return Temperature Warning and Alarms
- High Ambient Alarms
- Low Water Tank Alarm