

Chiller Comparison Table

At Aqua Chiller we understand that every project has unique cooling requirements. That’s why we offer a diverse range of industrial chillers, - each series designed with specific features to meet varying demands. Whether you need compact indoor chillers, high-performance outdoor units, or robust solutions for large-scale applications, our range has you covered. Additionally, we provide customisation options to tailor any chiller to your exact specifications, ensuring optimal performance for your specific project needs. Use the table below to compare key features across our chiller ranges and find the perfect solution for your application.

Range Name:	 Warrior™	 Sentinel™	 Optimus™	 Apex™	 Zeus™	 Obsidian™	 GLADIATOR
Best For:	Smaller, compact, indoor applications	Base level chilling of stable heat loads	Advanced level of chiller utilising two compressors for part load efficiency	Premium chiller, matches capacity to heat load automatically for maximum efficiency	Utilises screw compressors for large cooling capacity requirements	Range designed for high ambient and extra harsh conditions	Simple, yet effective range of reliable value based chillers
Cooling Capacity Range	1.3kW to 4kW as standard Options up to 8kW	6kW to 110kW as standard	17kW to 211kW as standard Options up to 426kW	20kW to 100kW as standard Larger options available	155kW to 320kW as standard Larger options available	12kW to 165kW as standard Larger options available	1kW to 200kW as standard
Warranty Term (b)	3 years	3 years	3 years	3 years	3 years	3 years	1 year
Commissioning Included (a)	Yes	Yes	Yes	Yes	Yes	Yes	Option
Install Location	Indoor Only	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Outdoor	Indoor/Outdoor
Choice of Refrigerant	R134a*	R410a*	R410a / R134a*	R410a*	R134a*	R134a*	R134a
Optional Condenser Coating	✓	✓	✓	✓	✓	Included	✓
Evaporator Options	Brazed Plate Pack HX	Brazed Plate Pack HX	Brazed Plate Pack HX	Brazed Plate Pack HX	Shell and Tube HX	Brazed Plate Pack HX	Coil in Tank, Plate Pack
Controller	Carel µChiller	Carel µChiller	Carel µChiller	Carel pCO5	Carel pCO5	Carel µChiller	Basic PCB
Internal Buffer Tank	✓	✓	✓	✓	Option	✓	✓
Compressor Brand and Type	Tecumseh/Danfoss Reciprocating or Scroll	Copeland/Danfoss Scroll	Copeland/Danfoss Scroll	Danfoss Variable Speed Scroll	Bitzer/Frescold Twin Screw	Copeland/Danfoss Scroll	Panasonic/Emerson/Danfoss Reciprocating or Scroll
Capacity Control Steps	0 or 100%	0 or 100%	0, 50%, 100%	0%, then stepless from 25% to 100%	0%, then stepless from 50% to 100%	Model Dependant	0/50/100% (Model Dependant)
Expansion Device	Thermostatic Expansion Valve	Thermostatic Expansion Valve	Thermostatic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Thermostatic Expansion Valve	Capillary/Thermostatic Expansion Valve
Electrical Components	Eaton	Eaton	Eaton	Eaton	Eaton	Eaton	Schneider
Pump Included	✓	✓	✓	✓	Option	✓	✓
BMS Connectivity	Option	Option	Option	Option	Option	Option	Option
Web Interface Card	×	×	×	Option	Option	×	×
Fan Speed Controll	Yes	Yes	Yes	EC Fans	HP Control	Yes	HP Control
Closed Loop Option	✓	✓	✓	✓	Standard	✓	✓
Flow Protection	Switch	Switch	Switch	Switch	Switch	Switch	Switch
Pressure Sensors	Semi Auto Reset Switch / Transducer	Semi Auto Reset Switch / Transducer	Semi Auto Reset Switch / Transducer	Semi Auto Reset Switch / Transducer	Semi Auto Reset Switch / Transducer	Semi Auto Reset Switch / Transducer	Manual Switch
Phase Fail Protection	✓	✓	✓	✓	✓	✓	✓
Data Logging	Alarms Only	Alarms Only	Alarms Only	Alarms Only, Optional pCO Web Card Upgrade	Alarms Only, Optional pCO Web Card Upgrade	Alarms Only	Alarms Only
Mounting Options	Castors (Feet optional)	Adjustable Feet	Adjustable Feet	Adjustable Feet	Adjustable Feet	Adjustable Feet	Castors, Skid
Redundancy configurations available	×	×	Option	Option	Option	Option	×

Notes

- (a) Onsite commissioning included in metro areas only. Additional travel fees apply for areas outside of metro regions and will be specified on quotation.
 - (b) 3 year warranty valid when unit installed to our specifications verified by Aqua Chiller commissioning visit. 6 month maintenances must be completed and logged on our website by qualified personel. Annual water treatment and filter changes must occur with proof provided. Aqua Chiller can offer install and maintenance packages to suit.
- (*) Aqua Chiller is working on the transition from HFC to natural refrigerants. Please contact us to discuss your refrigerant requirements. Application specific alternatives are available on request.