

K12 Chiller



- 14.0kW Cooling Capacity (@17°C set point)
- Compact design offering maximum cooling capacity in the smallest space
- Versatile - many standard and non standard options
- Totally Reliable Workhorse

Chiller Specification

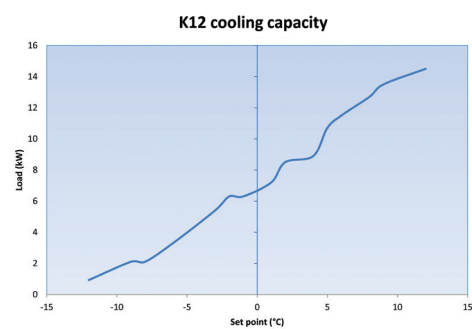
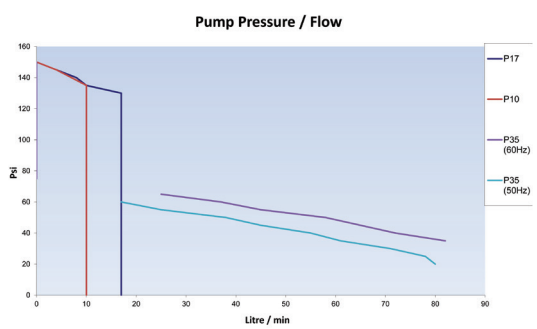
Dimensions L x W x H (Air Cooled)	775 x 510 x 1130 mm
Dimensions L x W x H (Water Cooled)	775 x 510 x 850 mm
Cooling capacity (water @ 17°C)	14000 watts
Microprocessor-based temperature controller	3 term PID digital
Temperature adjustable	0.1°C increments
Temperature stability	+/- 0.1 °C
Temperature range	+4° to +35°C
Extended temperature range - Optional	-20° to +70°C
Digital temperature display	Standard
Temperature alarm - Standard off-set +/- 10°C	Adjustable High / Low
Low fluid level alarm	Standard - Visual with pump interlock
Auto diagnostic functions	Controller and sensor
System volume	10 litres
Pressure control system	Standard fitment internal - user adjustable between 20 and 150psi
Compatible fluids	Hexid fluids / water / propylene glycol
Fluid connections	BSP Threaded Male 3/4"
Compressor over - load protection	Standard
Emergency Off (EMO)	Via main circuit breaker (MCB)
Tool-less access	No
Noise level	85 dB(A) @ 1 metre
Weight (approximated -Varies with options)	135kg
Wheels for mobility	Standard (2 locking)
Power Requirements	12 Amps 412 VAC 3ph 50/60 Hz 17 Amps 208 VAC 3ph 60 Hz
Warranty	2 years parts, one year labour

Standard Options

CAT NO	DESCRIPTION	USE
SA00006	Water cooled	To isolate application from house water supply, reduces possibility of contamination and allows improved temperature control
SA00001	Remote alarm pack	To monitor the performance of a chiller some distance from the application
SA00008	Non return / solenoid option	To prevent siphoning in high pressure applications or when chiller and application are sited at different levels
SA00002	Low temperature pack	For applications that require temperatures below 4°C but above -15°C
SA00003	Heater pack	For applications that require temperatures above 35°C up to 70°C
SA00011	RS485	Communication pack to allow monitoring and logging of chiller performance
SA00013	In-line deioniser	For applications that require deionised water in the recirculating loop
SA00016	Quick release self sealing connectors	self sealing connector pack

Pump Options K12 Chiller - Other pumps can be specified if required.

PUMP	TYPE	FLOW L/MIN	MAX PRESSURE PSI/BAR	MATERIAL
P10	Positive displacement impeller	10	150 (10)	Stainless Steel (304)
P17	Positive displacement impeller	17	150 (10)	Stainless Steel (304)
P35	Multistage close coupled	35	@40 (3)	Stainless Steel (304)



ATC

K12 - High Capacity 14.0 kW Chiller

Cool Support

- Unrivalled 3 year warranty support available
- UK factory, European and regional US service support centres

Cool Savings

- Lowest Cost of ownership - Fastest Pay-back
- 100% water savings
- No sewage-waste costs
- Ultimate equipment Up-time
- Power efficient

Cool Solutions

- Smallest foot-print per kW
- State-of-the-art Dual-display microprocessor PID controller (set-point + actual) $\pm 0.1^{\circ}\text{C}$
- Widest choice of options
- Build to ISO 9002 CE Standards
- Designed for long term reliability

*'Outstanding re-circulating
chiller performance,
reliability and support'*



*Cool
Reliability*