A08

The A08 Airblast Cooler, a model in ATC's A-Series, is engineered for versatility and robust cooling capacity. Enclosed in the K6 housing, the A08 offers ample space, allowing for the integration of various additional features to meet specific cooling requirements. This design versatility makes the A08 particularly suitable for applications that might need customisation or additional cooling components. The A08 is compatible with both centrifugal and positive displacement pumps, providing flexibility in terms of pump technology to suit different cooling needs. Available in both single- and three-phase configurations, the A08 can be adapted to a wide range of electrical systems, enhancing its applicability in diverse industrial environments.

In terms of reliability, the A08 stands out with its twin heat exchanger design, incorporating four fans to provide redundancy. This configuration ensures that if one fan fails, the others can continue to operate, minimising the risk of interruption in cooling processes. This feature is particularly beneficial for critical applications where continuous operation is essential, and downtime cannot be afforded.

Applications include industrial X-ray machines, magnetic stirrers, climatic chambers, RF generation equipment, motor testing setups, materials testing apparatus, and Roots blowers. Its ability to provide significant cooling capacity of 8kW at a setpoint 10°C above ambient, coupled with its versatile pump compatibility and redundancy features, positions the A08 as an effective solution for diverse industrial and technical environments requiring dependable and adaptable cooling solutions.

- Design Versatility and Space
- Flexible Pump Technology Compatibility
- Twin Heat Exchanger
- High Cooling Capacity for Various Applications

Enclosure Size

775 x 510 x 850mm

Pump Options

Positive Displacement Pump
Centrifugal Pump

Power Supply Options

Single-Phase
Three-Phase

Cooling Capacity

Setpoint 5°C above ambient – 4kW
Setpoint 10°C above ambient – 8kW
Setpoint 20°C above ambient – 16kW

Specifications

A08		
Administrative Data	ATC Model Name	A08
	TE Model Number	AB75
Physical Attributes	Physical Dimensions (mm)	L775 x W510 x H850mm
	Construction	Sheet steel gauge 1.5mm Epoxy polyester powder coat
	Mounting Type	Floorstanding on castors
	Acceptable Environment	Indoors or outdoors sheltered
	Dry Weight (kg)	50
	Wet Weight (kg)	101
	Noise Level (db(A)) at 1 metre	≤65
	Product IP Rating	24
	Toolless Access	No
	Enclosure Drawing Number	MA097
Temperature Control Attributes	Cooling/Refrigeration Technology	Airblast
	Evaporator Technology	N/A
	Duty at +20°C ambient, Setpoint +20°C	N/A
	Duty at +30°C ambient, Setpoint +20°C (kW)	N/A
	Duty at +35°C ambient, Setpoint +20°C (kW)	N/A
	Cooling Capacity with 'Setpoint' 5°C Above Ambient/Primary	4kW
	Cooling Capacity with 'Setpoint' 10°C Above Ambient/Primary	8kW
	Cooling Capacity with 'Setpoint' 20°C Above Ambient/Primary	16kW
	Refrigerant & Charge	N/A
	Ambient Temperature Range (Standard)	-15°C to +50°C (setpoint dependent on load)
	Ambient Temperature Range (Extended)	-20°C to +55°C (setpoint dependent on load)
	Control Method	None, continuous fan
	Temperature Stability (with Constant Load)	Load & ambient dependent
	Temperature Resolution	N/A
	Maximum Total Heat Rejection	Applied load, plus power in

Water Circuit Attributes	Designed Process Fluid Flow Rate	10l/min
	Designed Process Fluid Temperature	up to 50°C
	Designed Pressure	up to 8 bar
	Process Temperature Range (Standard)	ambient to +60°C
	Process Temperature Range (Extended)	ambient to 80°C
	Maximum Return Line Temperature (Standard)	60°C
	Maximum Return Line Temperature (Extended)	90°C
	Pump Options	P10, P17, P25
	Visible Level Indicator	No
	Integrated Drain	No
	System Volume	11l
	Tank Type	Stainless steel, flow through
	Flow and Pressure Control	No
	Connection Size (Fittings to convert size as needed available)	1/2" BSPPF 3/8" + 1/2" hose barbs
	Construction Materials	All metal parts stainless steel
	Fluid Compatibility	Hexid Fluid, Sterile water, Propylene Glycol
Electrical Attributes	24VDC – Lspec	–
	(90-264Vac, 1~/2~, 50-60Hz) U-spec	–
	(230Vac, 1~, 50Hz) 0-spec	–
	(115Vac, 1~, 60Hz) 1-spec	–
	(208-220Vac, 1~/2~, 60Hz) 2-spec	–
	(400Vac, 3~, 50Hz) 3-spec	Available
	(460Vac, 3~, 60Hz) 4-spec	–
	200/100V, 50/60Hz, 1ϕ 5-spec	–
	(Switchable 208Vac, 1~/2~, 60Hz | 220Vac, 1~/2~, 60Hz | 230Vac, 1~, 50Hz) 6-spec	–
	(Switchable 115Vac, 1~, 60Hz | 220Vac, 1~/2~, 60Hz | 230Vac, 1~, 50Hz) 7-spec	–
	(208Vac, 3~, 60Hz) 8-spec	Available
	(208-230Vac, 1~/2~, 50/60Hz) 9-spec	Available, 5A
	Overcurrent Fault-Cleared Restart Mode	Manual restart
Safety Interlocks, Protections, Standards, and Indicators	1st Party Approvals	CE
	3rd Party Approvals	
	Empty Fluid Reservoir Alarm	Not included
	Half-Full Fluid Reservoir Indicator	Not included
	Low Fluid Flow Alarm	Not included
	Temperature Out of Range Alarm	Not included
	Compressor HP Switch	N/A
	Interlock Restored, Restart Mode	Manual by default. Specify automatic with 'A' suffix on model number
	Overcurrent Protection	Standard, via MCB
	Motor Thermal Overload	Standard, via MCB
	Warranty Options	2 years parts, one year labour

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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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