



TECHNICAL SPECIFICATIONS - ALA

GENERAL SPECIFICATIONS

ALA direct evaporative coolers are designed to supply large volumes of 100% fresh, cool, outside air offering a cost-effective solution for ventilating and cooling large spaces.

ALA is designed as a wall mounted unit with side air discharge.

CABINET

The cabinet is constructed from marine grade aluminium, incorporating channel section corner pillars, mounted on a base frame for structural stability. Cabinet fasteners are stainless steel, aluminium or zinc plated for extra corrosion protection.

Cooler cabinets are supplied with lifting eye pointed in each corner to assist in lifting.

FAN & MOTOR

The axial fan features six aluminium blades mounted inside a dedicated galvanised steel housing. Counter weighted louvers automatically open and close when the fan starts and stops.

The fan motor is a single-speed, IP55 rated, squirrel cage induction type, mounted externally to the fan, and connected via belts and pulleys. A thermal overload relay provides over current protection.

COOLING PADS

The cooler is fitted with Chillcel® fabricated honeycomb, high efficiency filter pads. Pads are located in aluminum frames to provide easy fitment and removal.

ELECTRICAL

The electrical control box is located within the cooler and an external isolation switch is provided. Provision is included in the control box for connection of an optional drain valve and inlet water solenoid kit.

CONTROLS

The cooler is supplied with wall switch controls, providing fan ON/OFF and pump ON/OFF controls allowing the cooler to be used in ventilation or cooling modes.

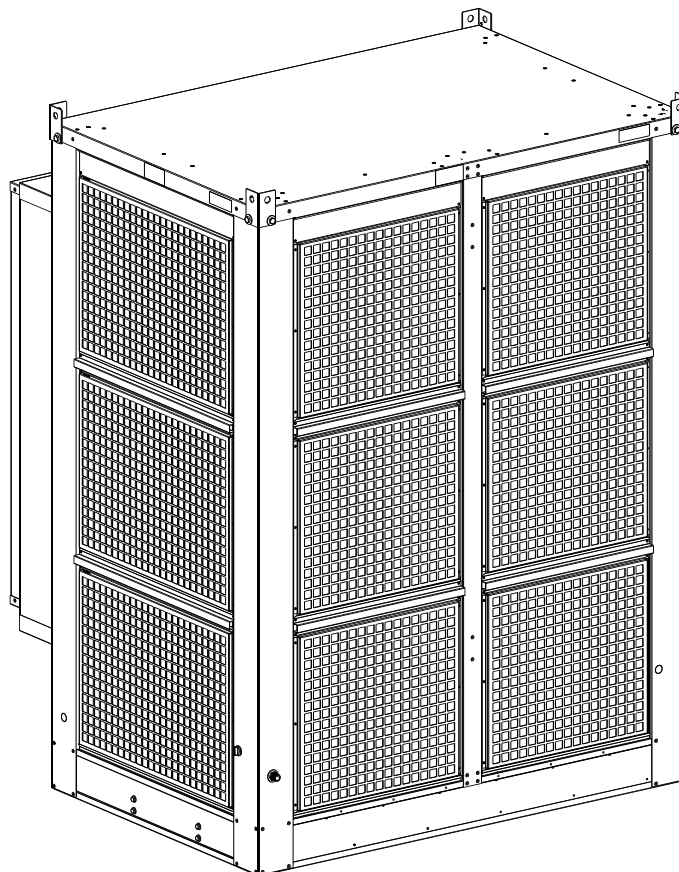
WATER

Water is held in an internal reservoir manufactured from moulded polymer to ensure durability and corrosion resistance.

The pump is manufactured from engineering plastics, with a stainless steel shaft and fully encapsulated motor with thermal overload protection. It is fitted with an easily cleanable strainer within the reservoir section.

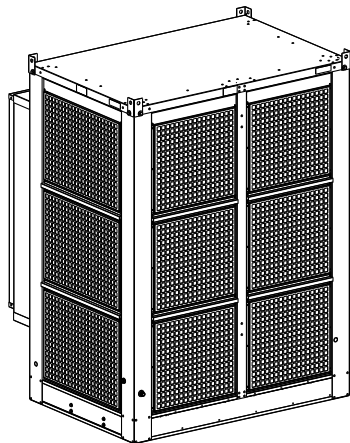
Water supply connection is 1/2" BSP. A float valve is used to control water level in the cooler. The cooler is fitted with a continuous bleed system to control water salinity in the unit and an overflow is provided to allow the unit to be connected to drainage.

An optional Water Manager Kits is available for improved salinity management and automatic drainage.

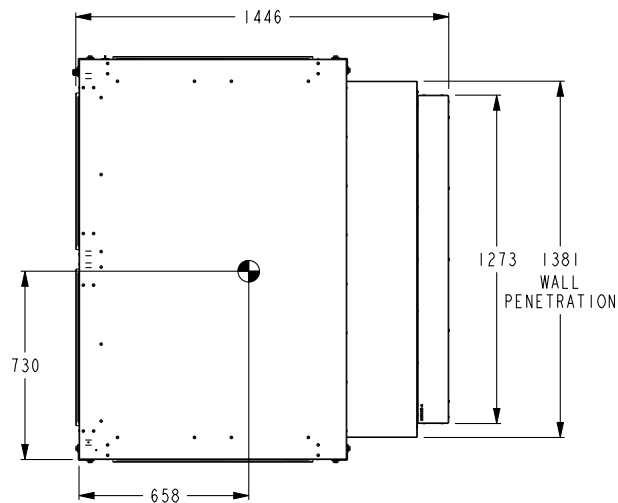


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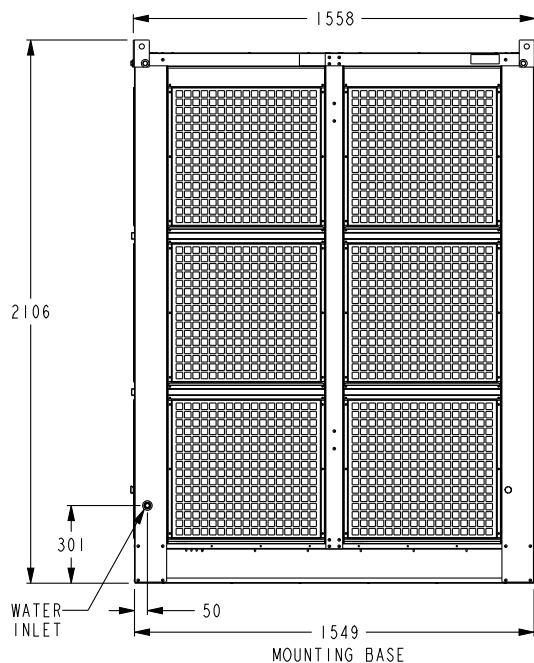
ISOMETRIC



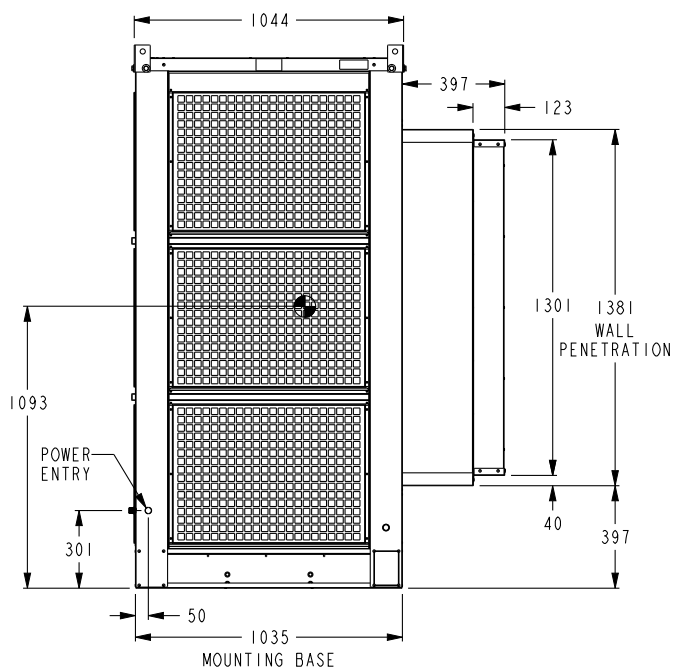
TOP



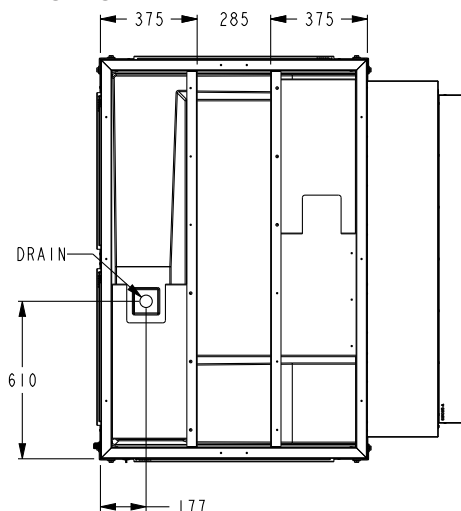
REAR



SIDE



BOTTOM



Dimensions are in mm



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MODEL			ALA1200
			3-SIDED INTAKE
AIR FLOW	Free Discharge		11,300 L/s
SERVICES	Electrical	Voltage	415 V / 3~ / 50Hz
		Rated Current	2.6 A
		Max Input Power	1.5 kW
	Water	Supply	20 L/m 100kPa - 800 kPa
		Max Temperature	40 °C
		Inlet	1/2" Male BSP
		Drain	1-1/2" Male BSP
		Drain Flow Rate	15 L/min
	Duct Connections		1385 x 1385 mm
AIR SYSTEMS	Fan	Fan	Axial
		Size	1270 mm
	Motor	Type	Single Speed Induction
		Shaft Power	1.1 kW
		Max Speed	1270 rpm
		Overload	Motor Thermal Overload Relay
		IP Rating	IP55
COOLING PADS	Material & Size		Chillcel® 2x 605 x 1835 x 75mm 2x 770 x 1835 x 75mm
WATER SYSTEMS	Reservoir Capacity		30 L
	Pumps		1 Centrifugal Pump 18 L/min 230V 50Hz 60W
	Optional Water Manager Kit (sold separately)	Inlet Valve	24 VAC Solenoid Valve
		Water Probes	2-pin Conductivity Probe
		Drain Valve	24 VAC Vertical
DIMENSIONS	Shipping	Note: Fan & Motor shipped loose.	1160mm Long x 1860mm Wide x 2255mm High
	Operating		1445mm Long x 1550mm Wide x 2105mm High
WEIGHT	Shipping	2 pallets, total	235 kg
	Operating	inc. Water	220 kg

CONTROLS

The cooler is supplied with wall mounted switch plate controls, providing fan ON/OFF and pump ON/OFF options.

