IMPORTANT
Fan Information Guide

Read all safety instructions before use and keep this information guide for future reference.

It contains important information on personal and user safety measures to be followed while installing, using, and carrying out maintenance work on the equipment. Once the product has been installed, please hand this booklet to the end user for reference and safekeeping.

EvolutionFX Limited reserves the right to modify product specifications, designs, and the contents of this booklet without prior notice. While every effort has been made to ensure accuracy at the time of printing, we accept no liability for any errors or omissions.

Booklet Information	
Manual Version	V1.0
Last Modified	11-2026
Product Range Covered	EVOAQ Fans: EC & DC Range
Applicable Fan Models	EVO101 | EVOAX-150DC | EVOMF-200EC-AX | EVOMF-125EC |
	EVOMF-150EC | EVOMF-200EC | EVTW150-EC

The information in this booklet applies to all EVOAQ products utilising the fan motors listed above. Refer to your model-specific installation & operation manuals for product functionality, control wiring and system setup.

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Thank you for your purchase of our company's product. It has been manufactured following current technical safety regulations and is in compliance with AS/NZ60335:2:80.

Important information for the safety of installers and user:

Installation must only be carried out by qualified persons. Make sure that the installation complies with the applicable building and electrical regulations.

This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely. Young children should be supervised to ensure that they do not play with the appliance.

This apparatus must not be used in explosive or corrosive atmospheres. If a fan is going to be installed to extract air from premises where a boiler or other combustion apparatus are installed, make sure that the building has sufficient air intakes to assure adequate combustion. The extractor outlet must not be connected to a duct used to exhaust smoke or fumes from any appliance that uses gas or any other type of fuel.

TRANSPORT AND MANIPULATION

The packaging used for this product has been designed to support normal transporting conditions. The product must always be transported in its original packaging as not doing so could deform or damage the product. Do not place heavy weights on the packed product and avoid knocking or dropping it.

The product should be stored in a dry place in its original packaging, protected from dust and dirt until it is installed in its final location. Do not accept delivery if the product is not in its original packaging or shows clear signs of having been manipulated in any way.

Check that the fan is in perfect condition while unpacking. *Any fault or damage caused in origin is covered by our company guarantee.* Please make sure that the fan model coincides with the product you have ordered and that the details on the rating label fulfil your requirements.

ELECTRICAL CONNECTION

All EVOAQ fans must be connected to an input power source according to the voltage and frequency specified on the rating label, and in accordance with New Zealand electrical standards. Unless otherwise specified the fan must be connected to a permanent power supply with a disconnect switch, which may be located on the circuit breaker.

If the fan model you have purchased is fitted with a power plug then please note removing this plug will void the warranty of the fan.

In case of damage to the power plug, cord, or device itself, switch off the device and do not tamper with it. Damaged product must only be repaired or replaced exclusively by the manufacturer or by an appointed representative. Failure to comply with the above may endanger the safety of people and cause possible damage to the whole system.

SAFETY DURING INSTALLATION

Make sure there are no loose elements near the fan, as they could run the risk of being sucked up by it. If it is going to be installed in a duct, check that it is clean of any element that could be sucked up by the fan. When installing the fan, make sure that all the fittings

are in place and that the structure which supports it is resistant enough to bear its weight at full functioning power.

Before installing the fan, make sure the mains supply is disconnected, even if the fan is switched off.

If the fan is installed in a duct, the duct must be used for the ventilation system only.

STARTING UP THE FAN

Fans may have delayed startup, or may operate under the control of the inbuilt controlling electronics included with the fan. Always take extreme care as the fan may start unexpectedly. Always disconnect the fan from power during maintenance.

Before starting up the fan, ensure that:
- The fan is well secured and the electrical connections have been carried out correctly;
- Any electrical safety devices are correctly connected, adjusted and ready for use;
- The wire and electrical connection inputs are correctly sealed and water-tight;
- If the fan has been mounted in a duct, the duct is clear of any loose material that could be sucked up by the fan.

When starting up the fan, ensure that:
- The propeller turns in the correct direction;
- There are no abnormal vibrations.

If the circuit protection device is tripping during operation, the fan must be quickly disconnected from the mains supply. The whole installation should be carefully checked before trying to start up the machine again.

MAINTENANCE AND REPAIR

Before servicing the fan, make sure it is disconnected from the mains supply - *even if it has previously been switched off.* Avoid the risk of anyone else plugging it in while you're working on it.

The fan must be inspected and maintained on an annual basis. These inspections should consider the fan's working conditions, ensuring no dirt or dust builds up on the propeller, turbine, motor or grilles. This could be dangerous and perceptibly shorten the fan's lifespan. While cleaning, take extra care not to damage the propeller.

All maintenance work should be carried out in strict compliance with New Zealand safety regulations.

All our products contain repairable or replaceable parts. Repair or replacement of these parts should only be handled by the manufacturer. In the case of damage or malfunction of the fan, please contact the manufacturer or installer to arrange for repair. Please note that a fee may apply for repair services not covered under warranty.

All products are covered under the EVOAQ warranty policy in effect at the time of purchase, in addition to the NZ Consumer Guarantees Act 1993. For the latest warranty policy information visit https://shop.evoaq.co.nz/warranty-policy/

For all our manuals, fan specifications, system details and more information visit *www.evoaq.co.nz/downloads*

Axial Fan Specifications

Fan Part Number	EVO101	EVOAX-150DC	EVOMF-200EC-AX
Fan Spigot Size	150mm	150mm	200mm
Input Voltage	240VAC / 50Hz	12V DC	240VAC / 50Hz
Max. Power (W)	17	20	110
Air Flow (L/s)	16 ~ 110	16 ~ 110	16 ~ 359
Static Pressure (Pa)	165	165	485
Speed (RPM)	500 ~ 3000	500 ~ 3000	500 ~ 3500
IP Rating	IP68	IP68	IP44
Climate Class	Class T	Class T	Class T
Protection Class	Class II (Double Insulated)		

Mixed Flow Fan Specifications

Fan Part Number	EVOMF-125EC-HP	EVOMF-150EC	EVOMF-200EC
Fan Spigot Size	125mm	150mm	200mm
Input Voltage	240VAC / 50Hz	240VAC / 50Hz	240VAC / 50Hz
Max. Power (W)	70	70	165
Air Flow (L/s)	15 ~ 156	21 ~ 180	60 ~ 348
Static Pressure (Pa)	513	503	746
Speed (RPM)	500 ~ 3800	500 ~ 3000	500 ~ 3000
IP Rating	IP44	IP44	IP44
Climate Class	Class T	Class T	Class T
Protection Class	Class II (Double Insulated)		Class I (Earthed)

Through-Wall Fan Specifications

Fan Part Number	EVTW150-EC	EVO101	EVOAX-150DC
Fan Spigot Size	150mm	150mm	150mm
Input Voltage	240VAC / 50Hz	240VAC / 50Hz	12V DC
Max. Power (W)	16	1.7 - 17	1.5 - 20
Air Flow (L/s)	11 ~ 95	16 ~ 110	16 ~ 110
Static Pressure (Pa)	132	165	165
Speed (RPM)	500 ~ 2800	500 ~ 3000	500 ~ 3000
IP Rating	IP44	IP68	IP68
Climate Class	Class T	Class T	Class T
Protection Class	Class II (Double Insulated)		

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