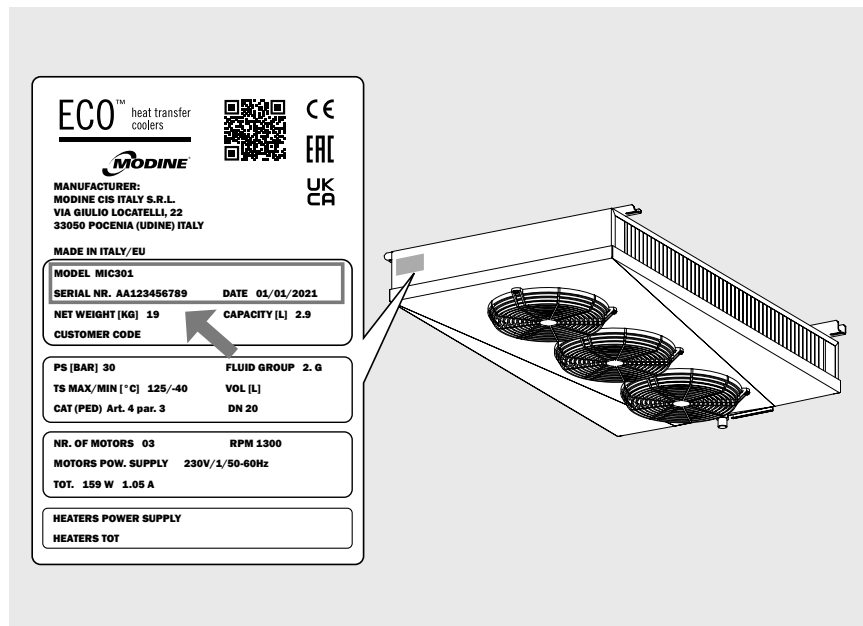


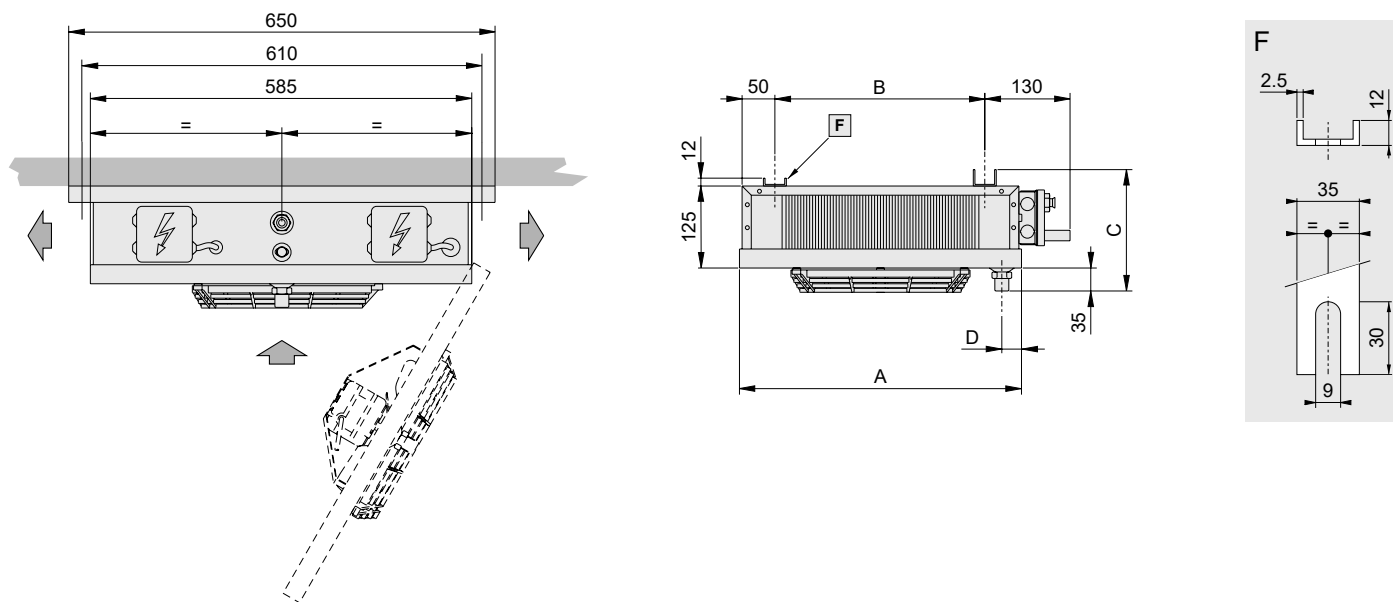
MIC

QUICK GUIDE

This document is a concise version of the model manual. This document is not meant to be a replacement of the manual. To download the full manual please scan the QRcode below or locate the data label on the model and scan the QRcode.



Construction and dimensional features



Model	MIC	080	081	101	161	201	301	401	501
Motorfans	n° x Ø mm	1x230	1x230	1x230	2x230	2x230	3x230	4x230	5x230
Dimensions	A	430	430	430	730	730	1030	1330	1630
	B	320	320	320	620	620	920	1220	1520
	C	172	172	172	185	185	185	185	185
	D	30	30	30	30	30	30	35	35
Coil connections	In (SAE)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	Out (mm)	12	12	16	16	16	22	22	22
Drain connection	Ø (GAS)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1"	1"
Net weight	kg	7.3	7.3	8.0	12.2	13.4	19.0	24.4	29.9

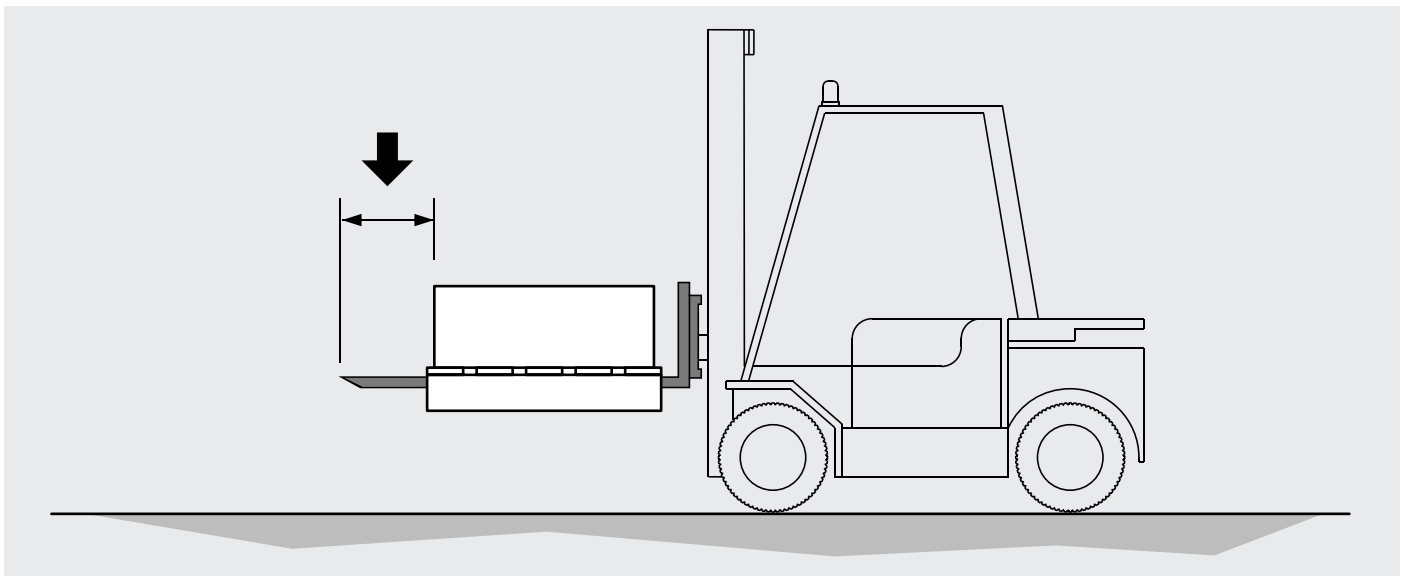
XXXXXX : Thermostatic valve with external pressure equaliser recommended

Inspection - Storage

- 1.1 Upon receipt of the model immediately check its state of integrity; immediately dispute with the transport company any damage. The packaging is created according to the model, to the suitable means of transport and of handling.
- 1.2 The model must be stored in its original packaging in a place that is protected and away from weathering.
- 1.3 Do not place any other material on top of the packaging.
- 1.4 If the model is allowed to be stacked, follow the instructions on the packaging.
- 1.5 If a motor fan is switched OFF for a long period of time, it must be switched ON for at least 2 hours every month to remove any traces of condensation that may have formed inside the motor.
- 1.6 The following rules apply when the unit must remain in storage for long periods of time. The unit must be stored indoors and positioned according to the instructions on the package. During storage, the fans must be manually rotated at least once every 3 months.









Handling and installation

- 1.1 The models are supplied in a cardboard box and/or wooden cage.
- 1.2 The packaged model must be moved by qualified personnel using a forklift truck of suitable capacity, or with crane and/or overhead crane. The lifting brackets must be longer than the depth of the packaging and/or of the model. Avoid any abrupt movement and do not stand close to the manoeuvring area. Always ensure that the models are secured to the hoists before handling operations. A heavy impact or a strong thrust can overturn the model.



- 1.3 The model must always be kept in position as indicated on the packaging.
- 1.4 Avoid applying improper pressure to the packaging during handling. Take care not to damage the headers.
- 1.5 Unpack the unit close to the installation site.
- 1.6 Always use PPE (Personal Protection Equipment) during handling and installation, e.g. gloves that are sufficiently resistant to mechanical hazards, to reduce the risk of injury in the event of contact with sharp sheet metal edges or the finned pack.
- 1.7 It is essential to take all the necessary measures to ensure the complete safety of the operators in order to prevent the model from accidentally falling against people. It is forbidden to work under a suspended load. It is advisable to prepare a structure of greater capacity than the weight to be supported (trestle or props) on which to place the model.
- 1.8 When installation is complete, remove the protective film covering the model.
- 1.9 When installation is complete, dispose of packaging according to local regulations.
- 1.10 If brackets are provided, install and maintain them for future use.

- 1.11 The following table summarises the PPE (Personal Protection Equipment) to be used during the various phases of the life of the equipment (each stage involves the obligation to use and provide PPE), in order to protect the health and safety of operators.
- 1.12 The responsibility for the identification and choice of the type and category of PPE that is appropriate and suitable lies with the user.
- 1.13 The PPE used must comply with the directives of the product and bear the CE marking (for the European market).

Phase								
	Protective clothing	Safety footwear	Gloves	Goggles	Visor	Ear protectors	Mask	Helmet or head gear
Transportation	NP	NP	NP	NP	NP	NP	NP	NP
Handling	X	X	X	X	NP	NP	NP	X
Unpacking	X	X	X	X	NP	NP	NP	X
Assembly	X	X	X	X	NP	O	NP	X
Ordinary use	NP	NP	NP	NP	NP	NP	NP	NP
Adjustments	X	X	X	NP	X	O	NP	NP
Cleaning	X	X	X	NP	X	O	X	NP
Maintenance	X	X	X	NP	X	O	O	X
Dismantling	X	X	X	NP	X	O	NP	X
Demolition	X	X	X	X	NP	O	NP	O

X : Recommended PPE

O : PPE available or to be used if necessary

NP : PPE not recommended

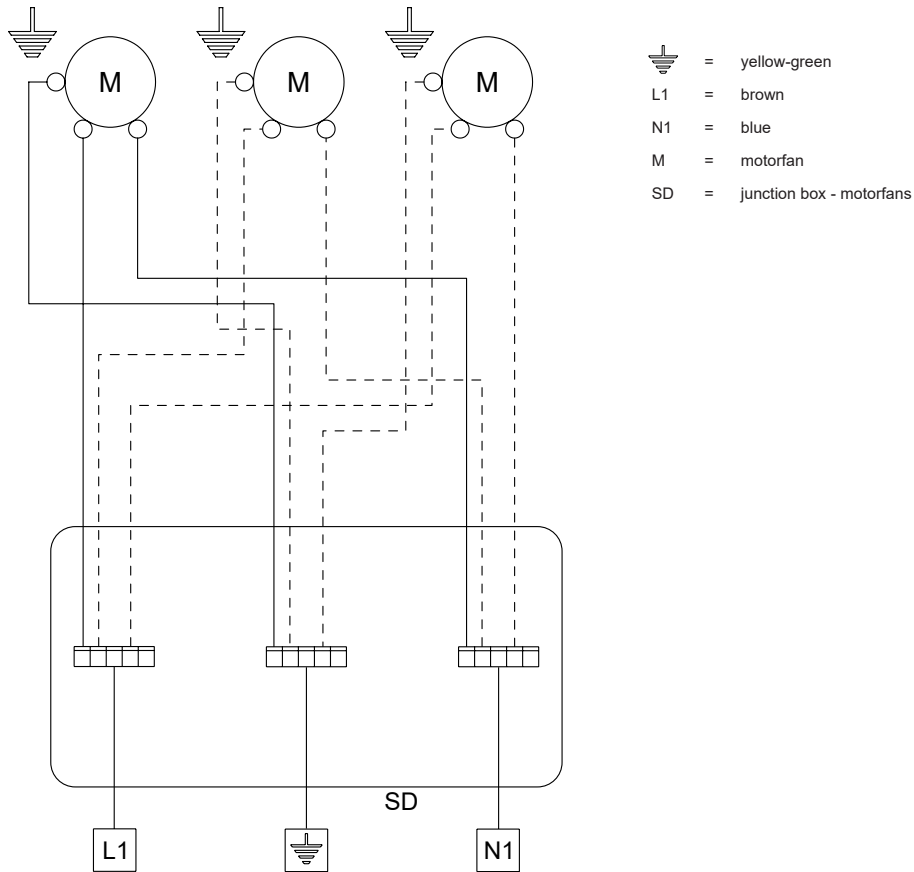
- 1.14 The definitions of the phases of life of the equipment are described in the following table.

Phase	Description
Transportation	It consists of transferring the equipment from one location to another through the use of suitable means.
Handling	It consists of transferring the equipment from and on the means used for transportation and movements within the plant.
Unpacking	It involves removal of all the materials used for packaging of the equipment.
Assembly	It involves all the assembly operations that initially prepare the equipment for fine-tuning.
Ordinary use	Use for which the equipment is intended (or that is considered usual) in relation to its design, construction and function.
Adjustments	These involve the adjustment, fine-tuning and calibration of all those devices which must be adapted to the condition of operation normally envisaged.
Cleaning	It involves the removal of dust, oil and residues of processing that could compromise the efficient operation and use of the equipment, as well as the health and safety of the operator.
Maintenance	It involves periodic verification of the parts of the equipment that can wear out and that must be replaced.
Dismantling	It involves the complete or partial dismantling of the equipment for any type of necessity.
Demolition	It involves the definitive removal of all parts of the equipment resulting from the operation of definitive dismantling to allow the possible recycling or differentiated collection of components according to the procedures laid down by the existing rules of law.

Wiring diagrams

Motor-fan connection diagram

Important. The motors are equipped with inner thermal protection with automatic reconnection. Before using motor speed control systems verify the compatibility with the motors. Non compatible systems may damage motors or increase noise level; Modine will not be responsible for model performance with speed control systems. For fans equipped with thermal contacts (TK), these must be connected to the control circuit. For models supplied with wiring in a junction box, remove the cover to make the connection.



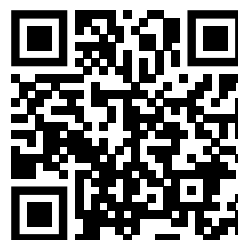
230V / 1 / 50-60Hz

Model	MIC	080		161		301		401		501	
		081	101	50	60	50	60	50	60	50	60
Motorfans	n° x Ø mm	1x230		2x230		3x230		4x230		5x230	
Frequency	Hz	50	60	50	60	50	60	50	60	50	60
Electrical consumption	A	0.35	0.35	0.70	0.70	1.05	1.05	1.40	1.40	1.75	1.75
	W	53	53	106	106	159	159	212	212	265	265
RPM		1300	1300	1300	1300	1300	1300	1300	1300	1300	1300



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Link to user manuals:



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