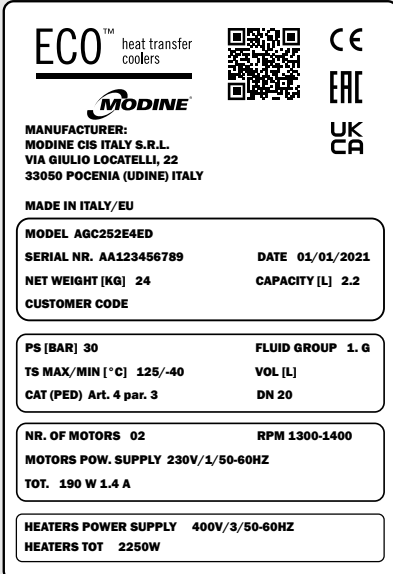


AGC

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.



ECO™ heat transfer coolers
MODINE

MANUFACTURER:
MODINE CIS ITALY S.R.L.
VIA GIULIO LOCATELLI, 22
33050 POCENIA (UDINE) ITALY

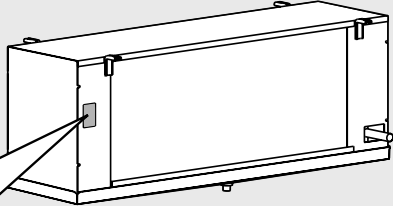

MADE IN ITALY/EU

MODEL AGC252E4ED
SERIAL NR. AA123456789 DATE 01/01/2021
NET WEIGHT [KG] 24 CAPACITY [L] 2.2
CUSTOMER CODE


PS [BAR] 30 FLUID GROUP 1. G
TS MAX/MIN [°C] 125/-40 VOL [L]
CAT (PED) Art. 4 par. 3 DN 20

NR. OF MOTORS 02 RPM 1300-1400
MOTORS POW. SUPPLY 230V/1/50-60HZ
TOT. 190 W 1.4 A


HEATERS POWER SUPPLY 400V/3/50-60HZ
HEATERS TOT 2250W

Link to user manuals:



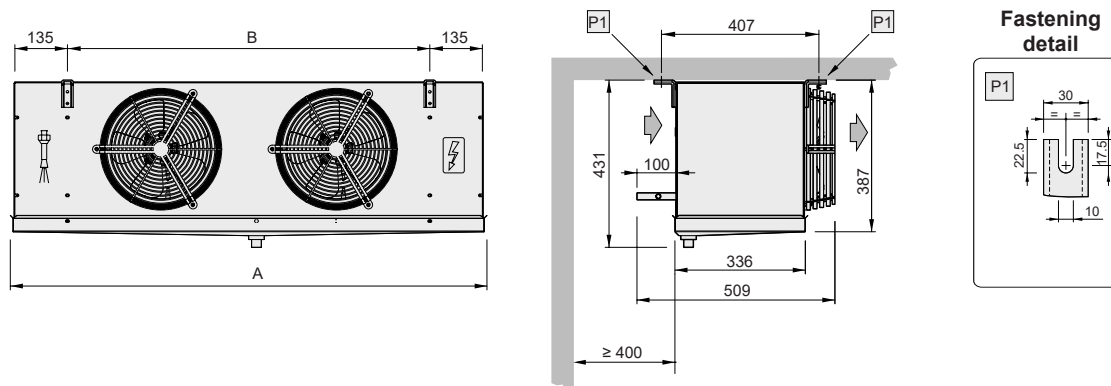
IT ES
EN FR
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! Before removing the packaging, handling, assembling, positioning, commissioning of the machine and before performing any work on the model, download and carefully read all the information in the manual. If in doubt contact Modine.

Construction and dimensional features

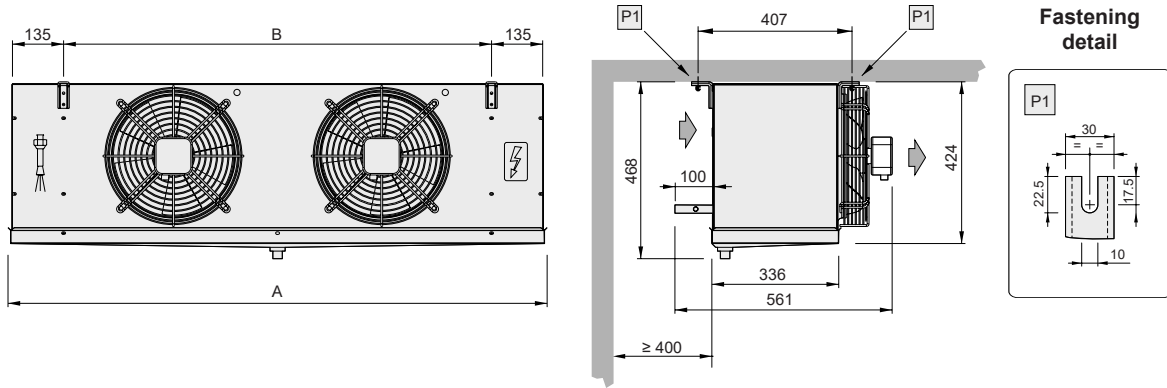
Ø250 fan diameter unit



Model	AGC	251E4R	-	251E4	252G4	252E4	253G4	253E4	254G4	-	254E4	
			-	251E6R	251E6	252G6	252E6	253G6	253E6	-	254G6	254E6
			-	251E8R	251E8	252G8	252E8	253G8	253E8	-	254G8	254E8
Fan motors	n° x Ø mm	1x250	1x250	1x250	2x250	2x250	3x250	3x250	4x250	4x250	4x250	
Dimensions	A	674	674	774	1224	1224	1674	1674	2124	2124	2124	
	B	380	380	480	930	930	1380	1380	1830	1830	1830	
Coil connections	In (mm)	12	1/2" SAE	12	12	12	12	12	12	12	16	
	Out (mm)	12	12	12	22	22	22	22	28	22	28	
Drain connection	Ø (GAS)	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	
Net weight	kg	13	12	14.5	21.5	24	30	33	38	38	41.5	

XXXXXX : Thermostatic valve with external pressure equaliser recommended

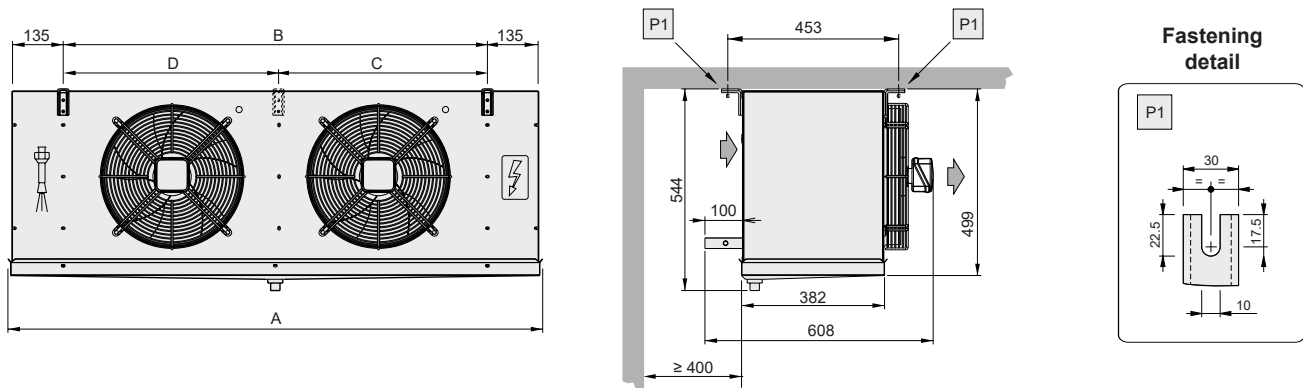
Ø315 fan diameter unit



Model	AGC	<u>311F4</u>	<u>312F4</u>	<u>313F4</u>	<u>314F4</u>	-	-
		<u>311F6</u>	<u>312F6</u>	<u>313F6</u>	-	<u>314F6</u>	-
		<u>311F8</u>	<u>312F8</u>	<u>313F8</u>	-	-	<u>314F8</u>
Fan motors	n° x Ø mm	1x315	2x315	3x315	4x315	4x315	4x315
Dimensions	A	874	1424	1974	2524	2524	2524
	B	580	1130	1680	2230	2230	2230
Coil connections	In (mm)	12	12	16	22	16	16
	Out (mm)	22	28	28	28	28	35
Drain connection	Ø (GAS)	1"	1"	1"	1"	1"	1"
Net weight	kg	20	34	47.5	61	58.5	58.5

XXXXXX : Thermostatic valve with external pressure equaliser recommended

Ø350 fan diameter unit



Model	AGC	<u>351E4</u>	<u>351A4</u>	<u>352E4</u>	<u>352A4</u>	<u>353F4</u>	-	-	<u>353A4</u>	<u>354F4</u>
		<u>351E6</u>	<u>351A6</u>	<u>352E6</u>	<u>352A6</u>	-	<u>353F6</u>	-	<u>353A6</u>	<u>354F6</u>
		<u>351E8</u>	<u>351A8</u>	<u>352E8</u>	<u>352A8</u>	-	-	<u>353F8</u>	<u>353A8</u>	-
Fan motors	n° x Ø mm	1x350	1x350	2x350	2x350	3x350	3x350	3x350	3x350	4x350
Dimensions	A	875	875	1425	1425	1975	1975	1975	1975	2525
	B	580	580	1130	1130	1680	1680	1680	1680	2230
	C	-	-	-	-	-	-	-	-	1115
	D	-	-	-	-	-	-	-	-	1115
Coil connections	In (mm)	12	12	16	16	22	16	16	22	22
	Out (mm)	22	22	28	28	28	28	35	35	35
Drain connections	Ø (GAS)	1"	1"	1"	1"	1"	1"	1"	1"	1"
Net weight	kg	22	26.5	41	48	58	55	55	63	77

XXXXXX : Thermostatic valve with external pressure equaliser recommended

Wiring diagrams

Motor-fan connection diagram

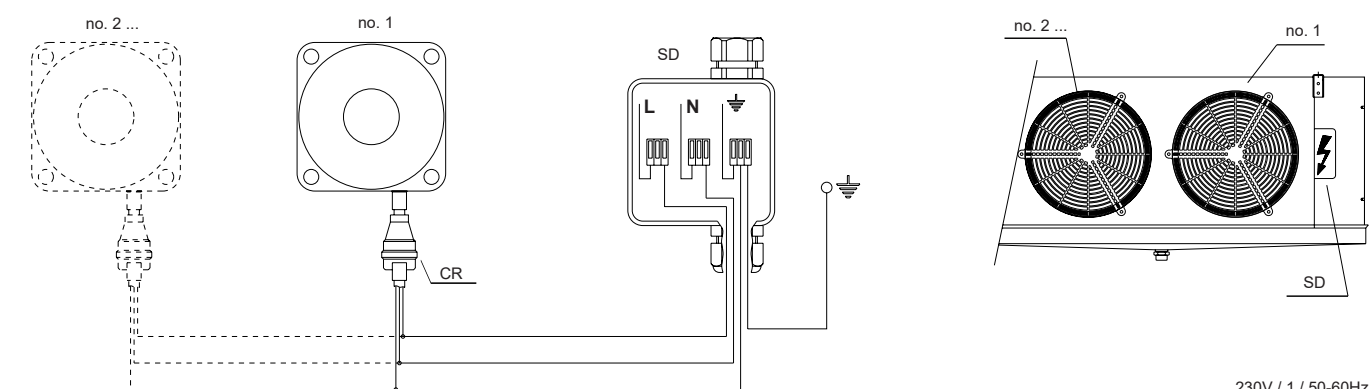
Important. The motors are equipped with inner thermal protection with automatic reconnection. Before using motor speed control systems verify the compatibility with the motors. Non compatible systems may damage motors or increase noise level; Modine will not be responsible for model performance with 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.

Model	AGC	251E4R	251E4	252G4	252E4	253G4	253E4	254G4	254E4
		251E6R	251E6	252G6	252E6	253G6	253E6	254G6	254E6
		251E8R	251E8	252G8	252E8	253G8	253E8	254G8	254E8
Fan motors	n° x Ø mm	1x250		2x250		3x250		4x250	
Frequency	Hz	50	60	50	60	50	60	50	60
Electrical consumption	A	0.66	0.66	1.32	1.32	1.98	1.98	2.64	2.64
	W	95	95	190	190	285	285	380	380
RPM		1300	1400	1300	1400	1300	1400	1300	1400

Model	AGC	311F4		312F4		313F4		314F4	
		311F6		312F6		313F6		314F6	
		311F8		312F8		313F8		314F8	
Fan motors	n° x Ø mm	1x315		2x315		3x315		4x315	
Frequency	Hz	50	60	50	60	50	60	50	60
Electrical consumption	A	0.52	0.66	1.04	1.32	1.56	1.98	2.08	2.64
	W	110	148	220	296	330	444	440	592
RPM		1350	1490	1350	1490	1350	1490	1350	1490

Model	AGC	351E4	351A4	352E4	352A4	353F4	353A4	354F4
		351E6	351A6	352E6	352A6	353F6	353A6	354F6
		351E8	351A8	352E8	352A8	353F8	353A8	-
Fan motors	n° x Ø mm	1x350		2x350		3x350		4x350
Frequency	Hz	50	60	50	60	50	60	50
Electrical consumption	A	0.83	1.08	1.66	2.16	2.49	3.24	3.32
	W	184	249	368	498	552	747	736
RPM		1405	1620	1405	1620	1405	1620	1405

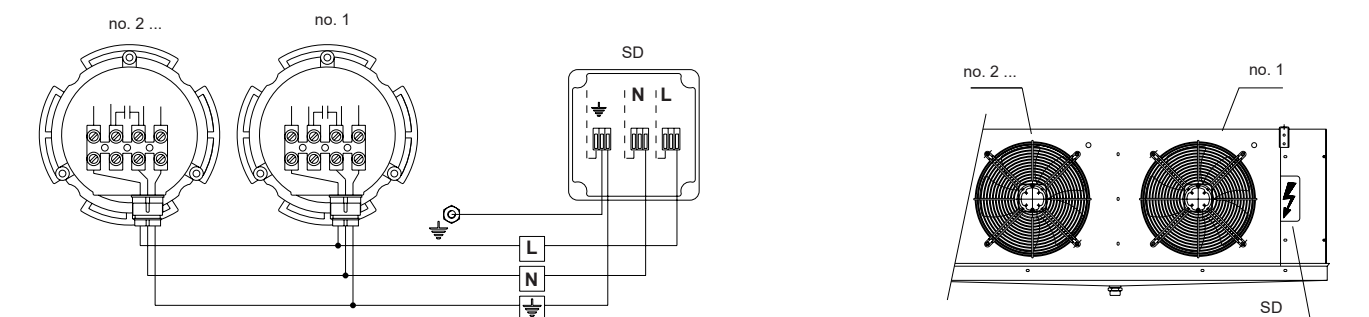
Ø250 fan diameter unit



230V / 1 / 50-60Hz

- = yellow-green
- L = brown or grey
- N = blue
- CR = cable quick connection
- SD = junction box

Ø315-Ø350 fan diameter unit

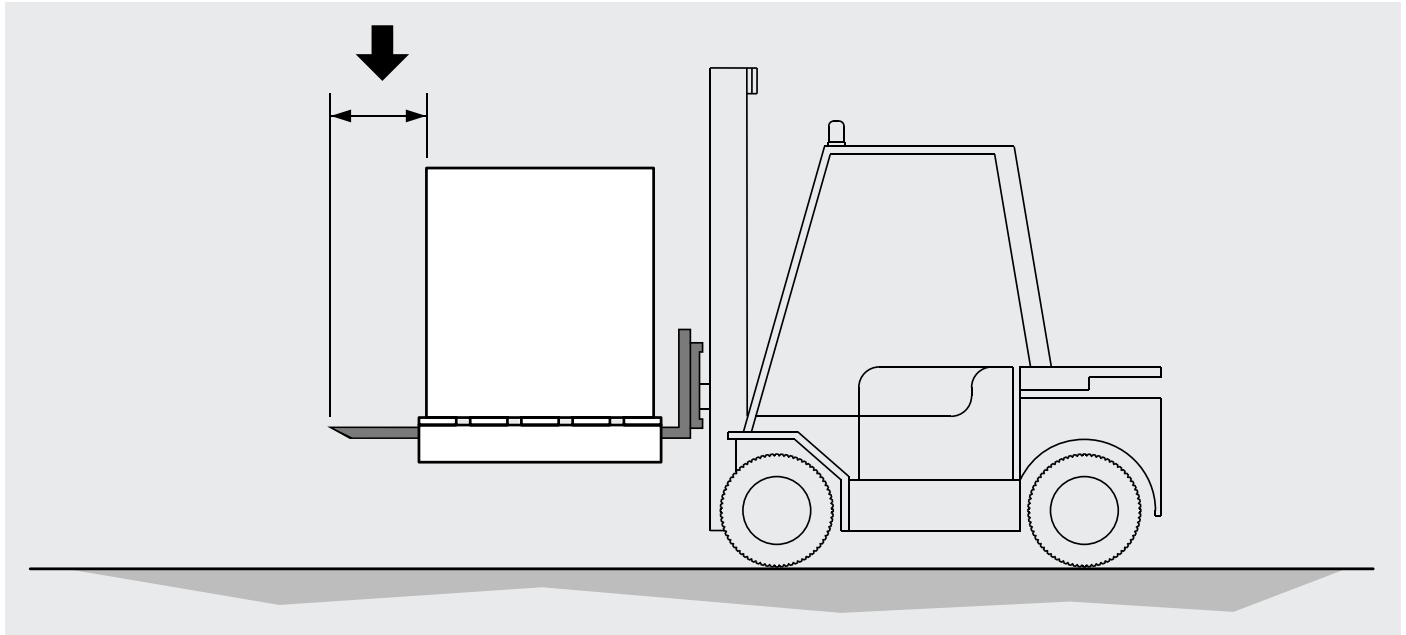


230V / 1 / 50-60Hz

- = yellow-green
- L = brown
- N = blue
- SD = junction box

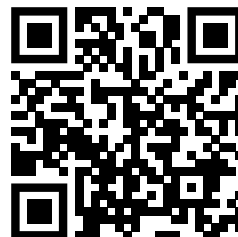
Handling and installation

- 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.



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Link to user manuals:



<https://www.modinecoolers.com/documents/>