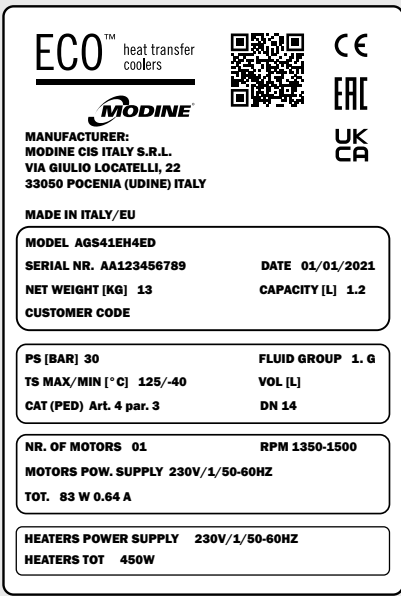


AGS

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

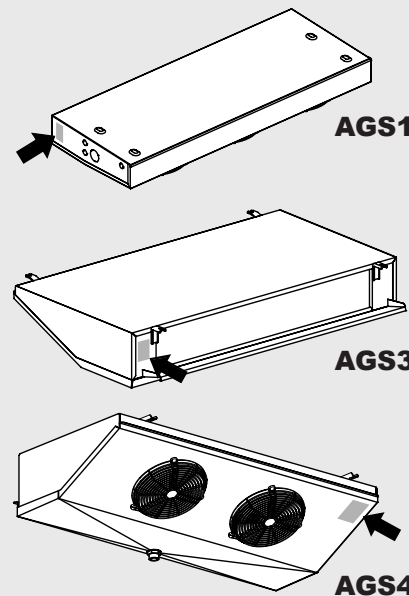
MADE IN ITALY/EU

MODEL AGS41EH4ED
SERIAL NR. AA123456789 DATE 01/01/2021
NET WEIGHT [KG] 13 CAPACITY [L] 1.2
CUSTOMER CODE

PS [BAR] 30 FLUID GROUP 1. G
TS MAX/MIN [°C] 125/-40 VOL [L]
CAT (PED) Art. 4 par. 3 DN 14

NR. OF MOTORS 01 RPM 1350-1500
MOTORS POW. SUPPLY 230V/1/50-60HZ
TOT. 83 W 0.64 A

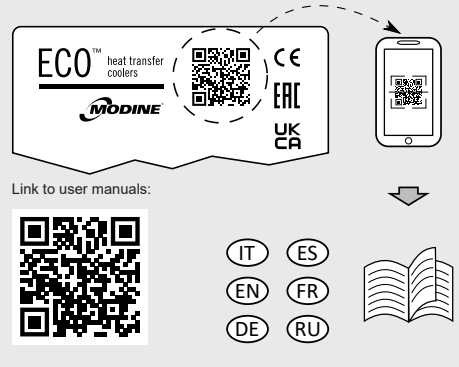
HEATERS POWER SUPPLY 230V/1/50-60HZ
HEATERS TOT 450W



AGS1

AGS3

AGS4



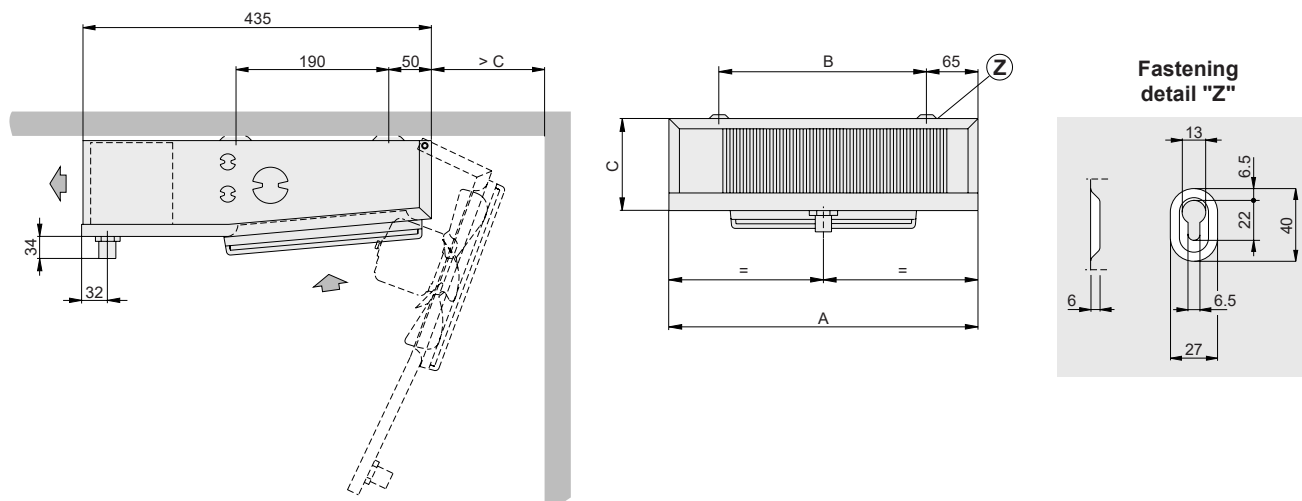
Link to user manuals:

IT ES
EN FR
DE RU

! 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

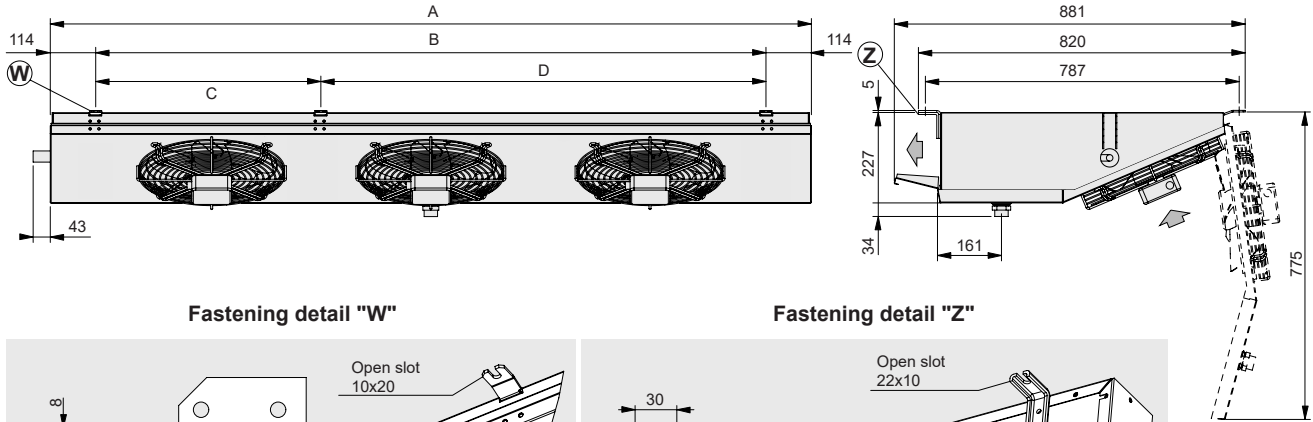
AGS1 - Ø200 fan diameter unit



Model	AGS	11EH3	11AH3	12EH3	12AH3	-	12LH3	12MH3	13EH3	13AH3	13MH3	14MH3
		11EL4	11AL4	12EL4	-	12AL4	12LL4	12ML4	13EL4	13AL4	13ML4	14ML4
Fan motors	n° x Ø mm	1x200	1x200	2x200	2x200	2x200	2x200	2x200	3x200	3x200	3x200	4x200
Dimensions	A	411	411	611	611	611	611	861	1111	1111	1111	1461
	B	271	271	471	471	471	471	721	971	971	971	1321
	C	120	120	120	120	120	170	170	120	120	170	170
Coil connections	In (mm)	9.52	9.52	9.52	9.52	1/2" SAE	1/2" SAE	1/2" SAE	1/2" SAE	1/2" SAE	1/2" SAE	1/2" SAE
	Out (mm)	9.52	9.52	9.52	9.52	16	16	16	16	16	16	16
Drain connection	Ø (GAS)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Net weight	kg	4.0	4.6	6.7	7.3	7.2	10.7	13.8	10.5	11.5	17.0	23.0

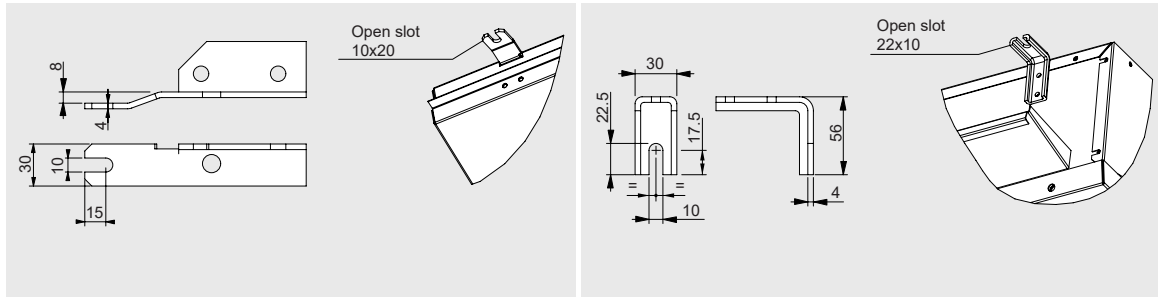
XXXXXX : Thermostatic valve with external pressure equaliser recommended

AGS3 - Ø315 fan diameter unit



Fastening detail "W"

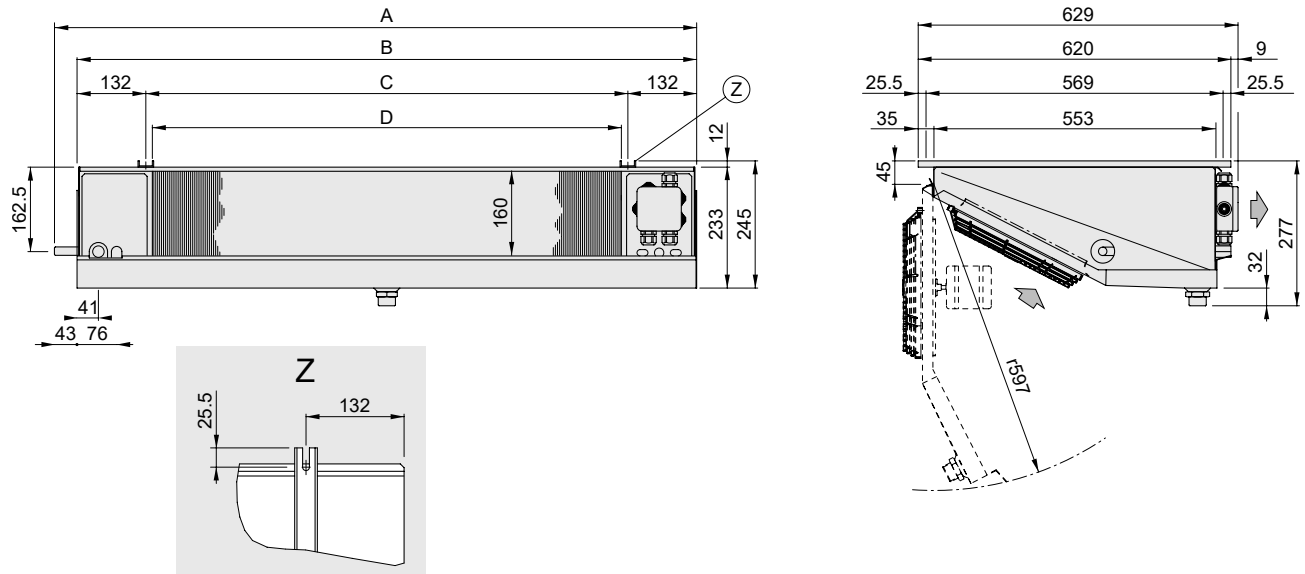
Fastening detail "Z"



Model	AGS	31AH4	32AH4	33AH4	34AH4
		31BL7	32BL7	33BL7	34BL7
Fan motors	n° x Ø mm	1x315	2x315	3x315	4x315
Dimensions	A	810	1360	1910	2460
	B	582	1132	1682	2232
	C	-	-	565	1115
	D	-	-	1117	1117
Coil connections	In (mm)	12	12	12	16
	Out (mm)	16	22	28	28
Drain connection	Ø (GAS)	1"	1"	1"	1"
Net weight	kg	19	30	46	62

XXXXXX : Thermostatic valve with external pressure equaliser recommended

AGS4 - Ø250 fan diameter unit



Model	AGS	41GH4	41EH4	41FL7	42GH4	42EH4	-	42FL7	43GH4	43EH4	43FL7	44GH4	44EH4	44FL7
		41GL7	41EL7	-	42GL7	-	42EL7	-	-	43EL7	-	-	44EL7	-
Fan motors	n° x Ø mm	1x250	1x250	1x250	2x250	2x250	2x250	2x250	3x250	3x250	3x250	4x250	4x250	4x250
Dimensions	A	782	782	782	1232	1232	1232	1232	1682	1682	1682	2132	2132	2132
	B	739	739	739	1189	1189	1189	1189	1639	1639	1639	2089	2089	2089
	C	475	475	475	925	925	925	925	1375	1375	1375	1825	1825	1825
	D	451	451	451	901	901	901	901	1351	1351	1351	1801	1801	1801
Coil connections	In (mm)	12	12	12	12	12	12	12	12	12	12	12	12	12
	Out (mm)	16	16	16	16	16	22	22	16	22	22	22	22	22
Drain connection	Ø (GAS)	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"
Net weight	kg	12	13	13	19	21	21	21	25	27	26	32	35	35

XXXXXX : Thermostatic valve with external pressure equaliser recommended

Wiring diagrams

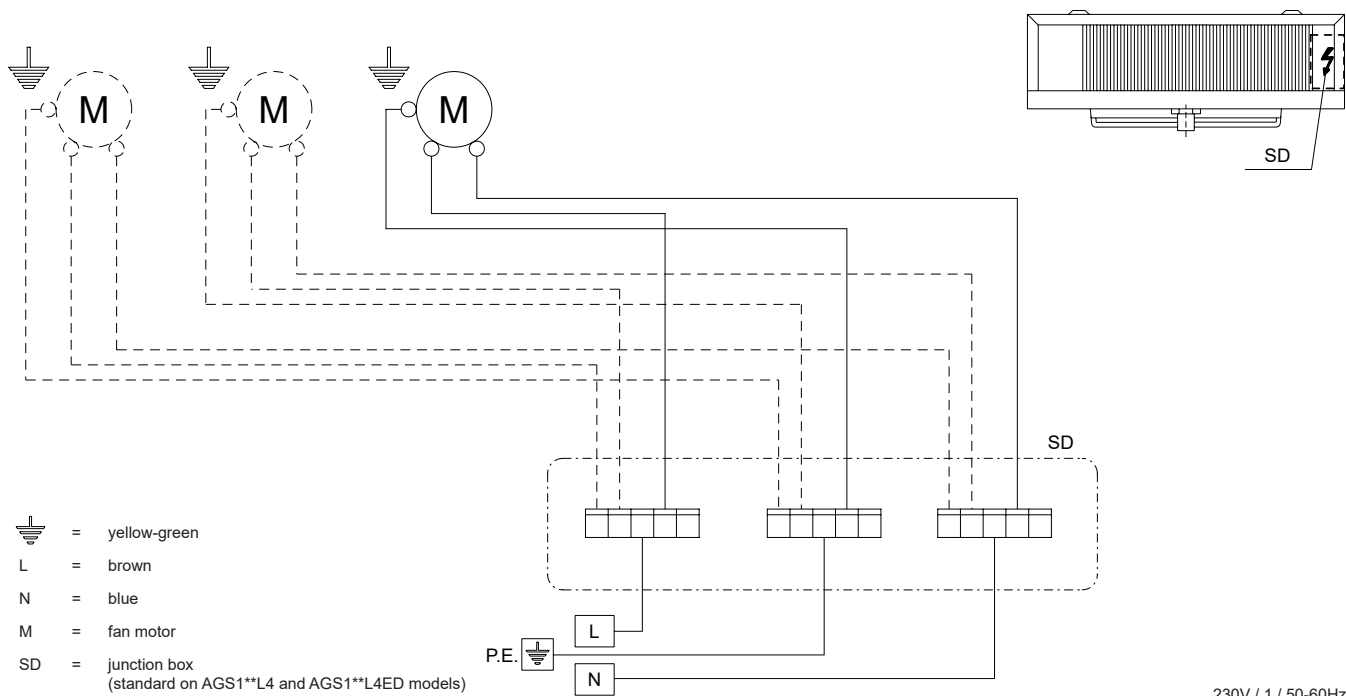
Motor-fan connection diagram

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.

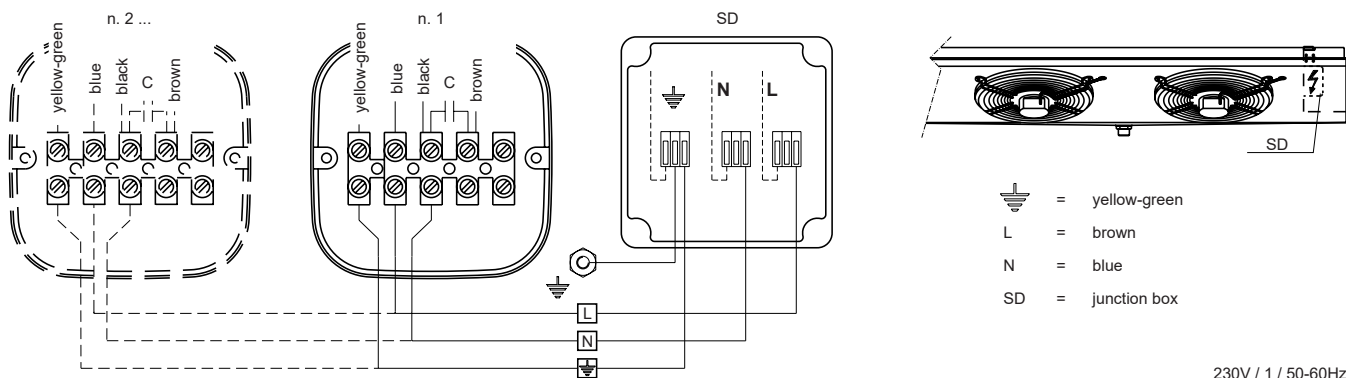
Model	AGS	11EH3	11AH3	12EH3	12AH3	12LH3	12MH3	13EH3	13AH3	-	13MH3	14MH3	
		11EL4	11AL4	12EL4	12AL4	12LL4	12ML4	13EL4	13AL4	-	13ML4	14ML4	
Fan motors	n° x Ø mm	1x200		2x200				3x200				4x200	
Frequency	Hz	50	60	50		60		50		60		50	60
Electrical consumption	A	0.35	0.35	0.70		0.70		1.05		1.05		1.40	1.40
	W	53	53	106		106		159		159		212	212
RPM		1300	1300	1300		1300		1300		1300		1300	1300

Model	AGS	31AH4		32AH4		33AH4		34AH4		41GH4	41FL7	42GH4	42FL7	43GH4	43FL7	44GH4	44FL7
		31BL7	31BL7	32BL7	32BL7	33BL7	33BL7	34BL7	34BL7	41GL7	-	42GL7	-	43EH4	-	44EH4	-
Fan motors	n° x Ø mm	1x315		2x315		3x315		4x315		1x250		2x250		3x250		4x250	
Frequency	Hz	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60
Electrical consumption	A	0.43	0.58	0.86	1.16	1.29	1.74	1.72	2.32	0.64	0.64	1.28	1.28	1.92	1.92	2.56	2.56
	W	96	130	192	260	288	390	384	520	83	83	166	166	249	249	332	332
RPM		1340	1490	1340	1490	1340	1490	1340	1490	1350	1500	1350	1500	1350	1500	1350	1500

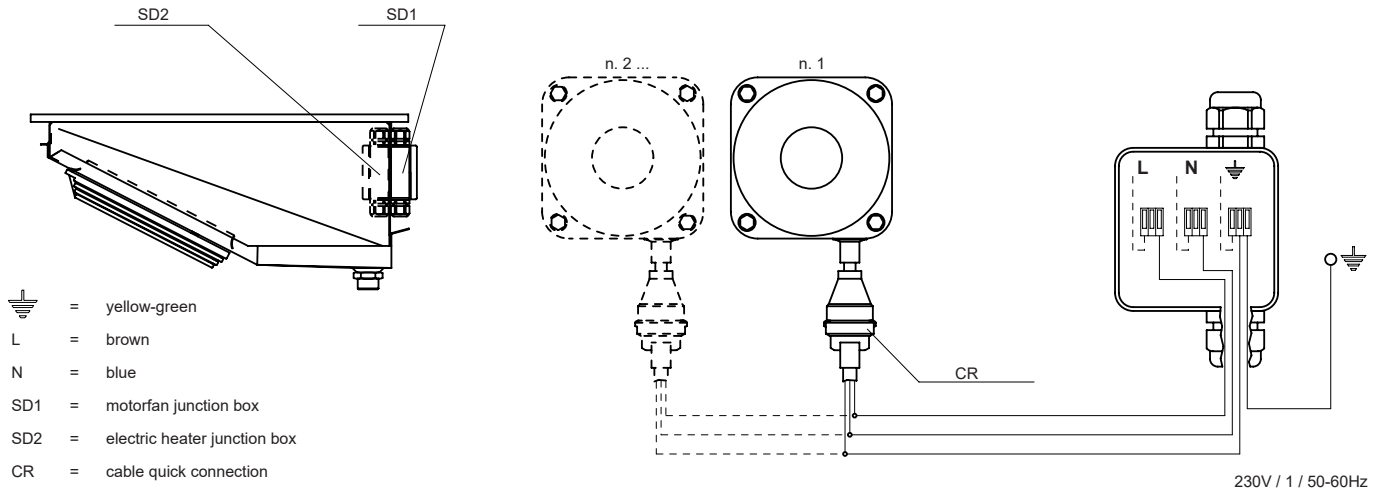
AGS1 - Ø200 fan diameter unit



AGS3 - Ø315 fan diameter unit

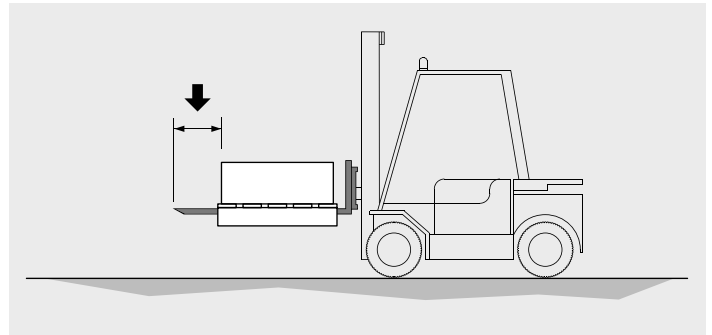


AGS4 - Ø250 fan diameter unit



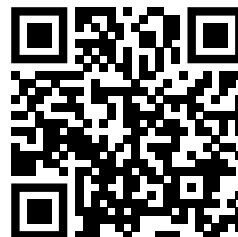
Handling and installation

- 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/>