



Installation Instructions

CGAM Chiller Louvered Panel Kit Selection and Installation

Model: CGAM

Models:	CGAM020	CGAM070
	CGAM026	CGAM080
	CGAM030	CGAM090
	CGAM035	CGAM100
	CGAM040	CGAM110
	CGAM052	CGAM120
	CGAM060	CGAM130

SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.



Introduction

Read this manual thoroughly before operating or servicing this unit.

Warnings, Cautions, and Notices

Safety advisories appear throughout this manual as required. Your personal safety and the proper operation of this machine depend upon the strict observance of these precautions.

The three types of advisories are defined as follows:

⚠ WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It could also be used to alert against unsafe practices.

NOTICE Indicates a situation that could result in equipment or property-damage only accidents.

Important Environmental Concerns

Scientific research has shown that certain man-made chemicals can affect the earth's naturally occurring stratospheric ozone layer when released to the atmosphere. In particular, several of the identified chemicals that may affect the ozone layer are refrigerants that contain Chlorine, Fluorine and Carbon (CFCs) and those containing Hydrogen, Chlorine, Fluorine and Carbon (HCFCs). Not all refrigerants containing these compounds have the same potential impact to the environment. Trane advocates the responsible handling of all refrigerants-including industry replacements for CFCs and HCFCs such as saturated or unsaturated HFCs and HCFCs.

Important Responsible Refrigerant Practices

Trane believes that responsible refrigerant practices are important to the environment, our customers, and the air conditioning industry. All technicians who handle refrigerants must be certified according to local rules. For the USA, the Federal Clean Air Act (Section 608) sets forth the requirements for handling, reclaiming, recovering and recycling of certain refrigerants and the equipment that is used in these service procedures. In addition, some states or municipalities may have additional requirements that must also be adhered to for responsible management of refrigerants. Know the applicable laws and follow them.

⚠ WARNING

Proper Field Wiring and Grounding Required!

Failure to follow code could result in death or serious injury. All field wiring **MUST** be performed by qualified personnel. Improperly installed and grounded field wiring poses **FIRE** and **ELECTROCUTION** hazards. To avoid these hazards, you **MUST** follow requirements for field wiring installation and grounding as described in NEC and your local/state electrical codes.

⚠ WARNING

Personal Protective Equipment (PPE) Required!

Failure to wear proper PPE for the job being undertaken could result in death or serious injury. Technicians, in order to protect themselves from potential electrical, mechanical, and chemical hazards, **MUST** follow precautions in this manual and on the tags, stickers, and labels, as well as the instructions below:

- Before installing/servicing this unit, technicians **MUST** put on all PPE required for the work being undertaken (Examples; cut resistant gloves/sleeves, butyl gloves, safety glasses, hard hat/bump cap, fall protection, electrical PPE and arc flash clothing). **ALWAYS** refer to appropriate Safety Data Sheets (SDS) and OSHA guidelines for proper PPE.
- When working with or around hazardous chemicals, **ALWAYS** refer to the appropriate SDS and OSHA/GHS (Global Harmonized System of Classification and Labeling of Chemicals) guidelines for information on allowable personal exposure levels, proper respiratory protection and handling instructions.
- If there is a risk of energized electrical contact, arc, or flash, technicians **MUST** put on all PPE in accordance with OSHA, NFPA 70E, or other country-specific requirements for arc flash protection, **PRIOR** to servicing the unit. **NEVER PERFORM ANY SWITCHING, DISCONNECTING, OR VOLTAGE TESTING WITHOUT PROPER ELECTRICAL PPE AND ARC FLASH CLOTHING. ENSURE ELECTRICAL METERS AND EQUIPMENT ARE PROPERLY RATED FOR INTENDED VOLTAGE.**

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Table of Contents

Pre-Installation	5
Introduction	5
Kit Selection	5
Installation	6
CGAM020 and CGAM026 Chillers (S1, Slant Units)	6
CGAM030 and CGAM035 Chillers (S2, Slant Units)	10
CGAM040 and CGAM052 Chillers (V1 Units)	14
CGAM060 and CGAM070 Chillers (V2 Units)	17
CGAM080 and CGAM090 Chillers (W1 Units)	20
CGAM100, CGAM110, and CGAM120 Chillers (W2 Units)	22
CGAM130 Chillers (W3 Units)	24



Pre-Installation

Introduction

The following instructions show the kit selection and installation of the CGAM chiller half louvers and full architectural louvered panels.

Kit Selection

Note: Choose the correct louvered panel kit based on the unit model number selection options listed in [Table 1](#).

Table 1. CGAM chiller panel kit selection

Unit Size	Kit Number	Description	Digit 24	Digit 35	Digit 36
CGAM020, CGAM026 (S1, Slant Units) refer to "CGAM020 and CGAM026 Chillers (S1, Slant Units)," p. 6	FMF14536	Full Louvers	X	X	X
	LVR01087	Full Louvers	1	X	X
	LVR01088	Full Louvers	1	X	B
	LVR01089	Full Louvers	1	7 or 8	B
	LVR01090	Full Louvers	X	7 or 8	X
	LVR01091	Full Louvers	X	7 or 8	B
CGAM030, CGAM035 (S2, Slant Units) refer to "CGAM030 and CGAM035 Chillers (S2, Slant Units)," p. 10	FMF14493	Full Louvers	X	X	X
	LVR01092	Full Louvers	1	X	X
	LVR01093	Full Louvers	1	X	B
	LVR01094	Full Louvers	1	7 or 8	B
	LVR01095	Full Louvers	X	7 or 8	X
	LVR01096	Full Louvers	X	7 or 8	B
CGAM040, CGAM052 (V1 Units) refer to "CGAM040 and CGAM052 Chillers (V1 Units)," p. 14	FMF14437 ^(a)	Full Louvers	X	X	X or B
	LVR01097 ^(b)	Full Louvers	X	X	X or B
	LVR01098	Full Louvers	X	7 or 8	X or B
	LVR01099	Full Louvers	1	7 or 8	X or B
	LVR01100	Full Louvers	1	X	X or B
CGAM060, CGAM070 (V2 Units) refer to "CGAM060 and CGAM070 Chillers (V2 Units)," p. 17	FMF14486	Full Louvers	X	X	X or B
	LVR01101	Full Louvers	X	7 or 8	X or B
	LVR01102	Full Louvers	1	X	X or B
	LVR01110	Full Louvers	1	7 or 8	X or B
CGAM080, CGAM090 (W1 Units) refer to "CGAM080 and CGAM090 Chillers (W1 Units)," p. 20	FMF14440	Full Louvers	N/A	X	X or B
	LVR01104	Full Louvers	N/A	7 or 8	X or B
	LVR01103	Half Louvers	N/A	N/A	X or B
CGAM100, CGAM110, CGAM120 (W2 Units) refer to "CGAM100, CGAM110, and CGAM120 Chillers (W2 Units)," p. 22	FMF14464	Full Louvers	N/A	X	X or B
	LVR01106	Full Louvers	N/A	7 or 8	X or B
	LVR01105	Half Louvers	N/A	N/A	X or B
CGAM130 (W3 Units) refer to "CGAM130 Chillers (W3 Units)," p. 24	LVR01107	Full Louvers	N/A	X	X or B
	LVR01109	Full Louvers	N/A	7 or 8	X or B
	LVR01108	Half Louvers	N/A	N/A	X or B

(a) CGAM040 chillers only.

(b) CGAM052 chillers only.



Installation

⚠ WARNING

Hazardous Voltage!

Failure to disconnect power before servicing could result in death or serious injury. Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power can not be inadvertently energized.

NOTICE

Equipment Damage!

Using an impact gun when installing plastic louvers could result in equipment damage. Do NOT use an impact gun when installing plastic louvers.

CGAM020 and CGAM026 Chillers (S1, Slant Units)

Table 2. Kit number FMF14536

#	Qty Per	Component Part	Component Description
1	2	572095370100	PANEL; LOUVER
2	1	572095360100	SUPPORT; LOUVER
3	70	X25020604010	SCREW; M8 X 1.25MM X 16MM
4	8	X25030266010	SCREW; M6 X 16MM HEX CAP
5	6	572055590100	LOUVER; UNIT SIDE CGAM
6	1	572051000100	PANEL; BACK SIDE
7	1	572095690100	SUPPORT; BACK SIDE
8	1	572050990100	PANEL; BACK SIDE W/O PP
9	1	572050980100	PANEL; BACK SIDE W/O PP
10	2	572054540100	PANEL; LEFT SIDE
11	1	572050900100	PANEL; FRONT SIDE

Table 3. Kit number LVR01087

#	Qty Per	Component Part	Component Description
1	2	572095370100	PANEL; LOUVER
2	1	572095360100	SUPPORT; LOUVER
3	72	X25020604010	SCREW; M8 X 1.25MM X 16MM
4	8	X25030266010	SCREW; M6 X 16MM HEX CAP
5	6	572055590100	LOUVER; UNIT SIDE CGAM
6	1	572051000100	PANEL; BACK SIDE
7	1	572095690100	SUPPORT; BACK SIDE
8	1	572050990100	PANEL; BACK SIDE W/O PP
9	1	572050980100	PANEL; BACK SIDE W/O PP
10	1	572054540100	PANEL; LEFT SIDE
11	1	572050900100	PANEL; FRONT SIDE
12	1	572054620100	PANEL; LEFT SIDE W/PHR
13	1	572054630100	PANEL; LEFT SIDE W/PHR

Table 4. Kit number LVR01088

#	Qty Per	Component Part	Component Description
1	2	572095370100	PANEL; LOUVER
2	1	572095360100	SUPPORT; LOUVER
3	78	X25020604010	SCREW; M8 X 1.25MM X 16MM
4	8	X25030266010	SCREW; M6 X 16MM HEX CAP
5	6	572055590100	LOUVER; UNIT SIDE CGAM
6	1	572051000100	PANEL; BACK SIDE
7	1	572095690100	SUPPORT; BACK SIDE
8	1	572050990100	PANEL; BACK SIDE W/O PP
9	1	572050980100	PANEL; BACK SIDE W/O PP
10	1	572054540100	PANEL; LEFT SIDE
12	1	572054620100	PANEL; LEFT SIDE W/PHR
13	1	572054630100	PANEL; LEFT SIDE W/PHR
14	1	572097020100	PANEL; FRONT SIDE W/VFD
15	1	572097030100	PANEL; FRONT SIDE W/VFD
16	1	572097010100	SUPPORT; FRONT SIDE

Table 5. Kit number LVR01089

#	Qty Per	Component Part	Component Description
1	2	572095370100	PANEL; LOUVER
2	1	572095360100	SUPPORT; LOUVER
3	80	X25020604010	SCREW; M8 X 1.25MM X 16MM
4	8	X25030266010	SCREW; M6 X 16MM HEX CAP
5	6	572055590100	LOUVER; UNIT SIDE CGAM
6	1	572051000100	PANEL; BACK SIDE
7	1	572095690100	SUPPORT; BACK SIDE
8	1	572097980100	PANEL; BACK SIDE W/PP
9	1	572050910100	PANEL; BACK SIDE W/PP
10	1	572054540100	PANEL; LEFT SIDE
12	1	572054620100	PANEL; LEFT SIDE W/PHR
13	1	572054630100	PANEL; LEFT SIDE W/PHR
14	1	572097020100	PANEL; FRONT SIDE W/VFD
15	1	572097030100	PANEL; FRONT SIDE W/VFD
16	1	572097010100	SUPPORT; FRONT SIDE

Table 6. Kit number LVR01090

#	Qty Per	Component Part	Component Description
1	2	572095370100	PANEL; LOUVER
2	1	572095360100	SUPPORT; LOUVER
3	72	X25020604010	SCREW; M8 X 1.25MM X 16MM
4	8	X25030266010	SCREW; M6 X 16MM HEX CAP
5	6	572055590100	LOUVER; UNIT SIDE CGAM
6	1	572051000100	PANEL; BACK SIDE
7	1	572095690100	SUPPORT; BACK SIDE
8	1	572097980100	PANEL; BACK SIDE W/PP
9	1	572050910100	PANEL; BACK SIDE W/PP
10	1	572054540100	PANEL; LEFT SIDE
11	1	572050900100	PANEL; FRONT SIDE
12	1	572054540100	PANEL; LEFT SIDE

Table 7. Kit number LVR01091

#	Qty Per	Component Part	Component Description
1	2	572095370100	PANEL; LOUVER
2	1	572095360100	SUPPORT; LOUVER
3	78	X25020604010	SCREW; M8 X 1.25MM X 16MM
4	8	X25030266010	SCREW; M6 X 16MM HEX CAP
5	6	572055590100	LOUVER; UNIT SIDE CGAM
6	1	572051000100	PANEL; BACK SIDE
7	1	572095690100	SUPPORT; BACK SIDE
8	1	572097980100	PANEL; BACK SIDE W/PP
9	1	572050910100	PANEL; BACK SIDE W/PP
10	1	572054540100	PANEL; LEFT SIDE
12	1	572054540100	PANEL; LEFT SIDE
14	1	572097020100	PANEL; FRONT SIDE W/VFD
15	1	572097030100	PANEL; FRONT SIDE W/VFD
16	1	572097010100	SUPPORT; FRONT SIDE

Figure 1. CGAM020–026 ton (S1 units); 1 of 2

Figure 2. CGAM020–026 ton (S1 units); 2 of 2


1. Install two side louver supports (Figure 3, p. 8, Item 1) to unit with provided M6 X 16 screws (Figure 3, Item 4).

2. Install center louver support (Figure 3, Item 2) with provided M8 X 16 screws (Figure 3, Item 3).

Note: Do not use an impact gun when installing plastic louvers.

3. Install three upper louvers (Figure 3, Item 5) with provided M8 X 16 screws (Figure 3, Item 3).
4. Install upper backside panel (Figure 3, Item 6) with provided M8 X 16 screws (Figure 3, Item 3).
5. Install lower back side panel support (Figure 3, Item 7) with provided M8 X 16 screws (Figure 3, Item 3).
6. Install left back side panel (Figure 3, Item 8) and right back side panel (Figure 3, Item 9) with provided M8 X 16 screws (Figure 3, Item 3).
7. Install two lower left side panels (Figure 4, p. 9, Item 10 and Item 12) with provided M8 X 16 screws (Figure 4, Item 3).

8. If unit has partial heat recovery option, also install additional left side panel (Figure 4, Item 13) with provided M8 X 16 screws (Figure 4, Item 3).

Note: Front panel, Item 11 in Step 9, is only used on units that do NOT have the flow control option. Item 14, Item 15, and Item 16 are used on units with the flow control option.

9. Install front panel (Figure 4, Item 11) with provided M8 X 16 screws (Figure 4, Item 3).
10. If unit has the flow control option install the three front panels (Figure 4, Item 14, Item 15, and Item 16) with provided M8 X 16 screws (Figure 4, Item 3).
11. Install three lower louvers (Figure 4, Item 5) with provided M8 X 16 screws (Figure 4, Item 3).

Figure 3. CGAM chiller louvered panels (S1 units)

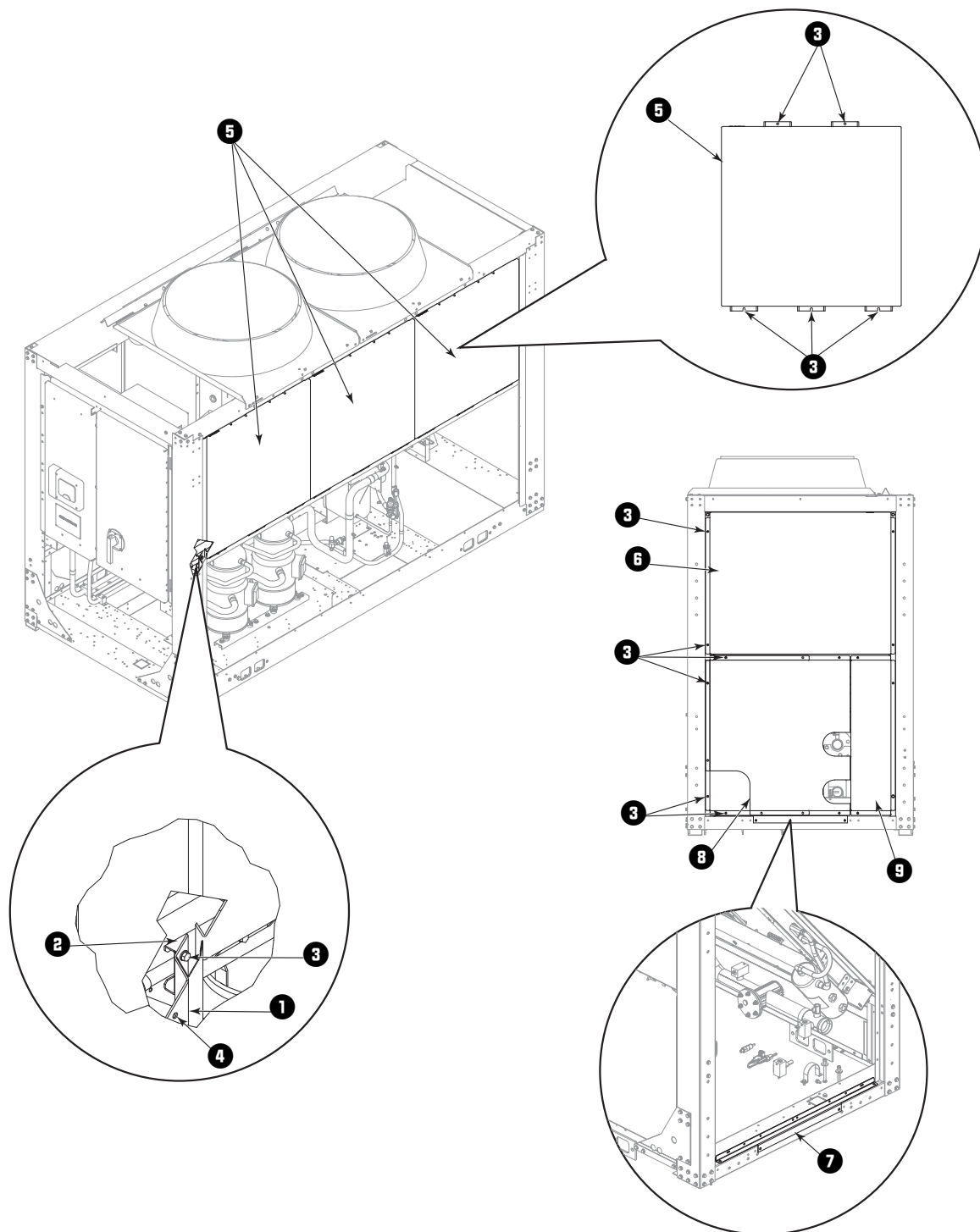
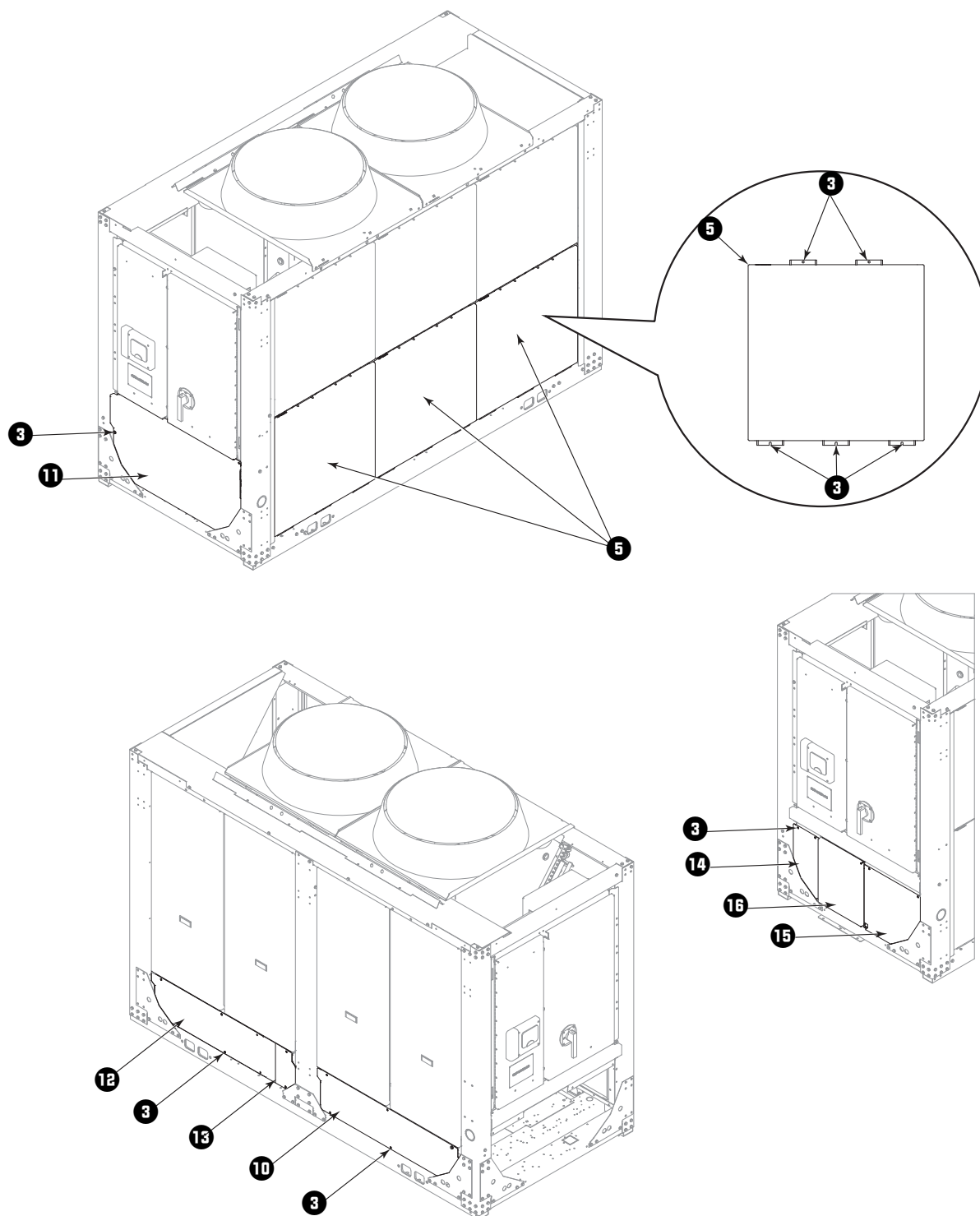


Figure 4. CGAM chiller louvered panels (S1 units)





Installation

CGAM030 and CGAM035 Chillers (S2, Slant Units)

Table 8. Kit contents FMF14493

#	Qty Per	Component Part	Component Description
1	2	572095380100	SUPPORT; LOUVER
2	84	X25020604010	SCREW;M8 X 1.25MM X 16MM
3	8	572055590100	LOUVER; UNIT SIDE CGAM
4	1	572051000100	PANEL; BACK SIDE
5	1	572095690100	SUPPORT; BACK SIDE
6	1	572050980100	PANEL; BACK SIDE W/O PP
7	1	572050990100	PANEL; BACK SIDE W/O PP
8	1	572050900100	PANEL; FRONT SIDE
9	2	572054550100	PANEL; LEFT SIDE

Table 9. Kit contents LVR01092

#	Qty Per	Component Part	Component Description
1	2	572095380100	SUPPORT; LOUVER
2	84	X25020604010	SCREW;M8 X 1.25MM X 16MM
3	8	572055590100	LOUVER; UNIT SIDE CGAM
4	1	572051000100	PANEL; BACK SIDE
5	1	572095690100	SUPPORT; BACK SIDE
6	1	572050980100	PANEL; BACK SIDE W/O PP
7	1	572050990100	PANEL; BACK SIDE W/O PP
8	1	572050900100	PANEL; FRONT SIDE
9	1	572054550100	PANEL; LEFT SIDE
10	1	572054610100	PANEL; LEFT SIDE W/PHR

Table 10. Kit contents LVR01093

#	Qty Per	Component Part	Component Description
1	2	572095380100	SUPPORT; LOUVER
2	90	X25020604010	SCREW;M8 X 1.25MM X 16MM
3	8	572055590100	LOUVER; UNIT SIDE CGAM
4	1	572051000100	PANEL; BACK SIDE
5	1	572095690100	SUPPORT; BACK SIDE
6	1	572050980100	PANEL; BACK SIDE W/O PP
7	1	572050990100	PANEL; BACK SIDE W/O PP
9	1	572054550100	PANEL; LEFT SIDE
10	1	572054610100	PANEL; LEFT SIDE W/PHR
11	1	572097020100	PANEL; FRONT SIDE W/VFD
12	1	572097030100	PANEL; FRONT SIDE W/VFD
13	1	572097010100	SUPPORT; FRONT SIDE

Table 11. Kit contents LVR01094

#	Qty Per	Component Part	Component Description
1	2	572095380100	SUPPORT; LOUVER
2	92	X25020604010	SCREW;M8 X 1.25MM X 16MM
3	8	572055590100	LOUVER; UNIT SIDE CGAM
4	1	572051000100	PANEL; BACK SIDE
5	1	572095690100	SUPPORT; BACK SIDE
6	1	572050910100	PANEL; BACK SIDE W/PP
7	1	572097980100	PANEL; BACK SIDE W/PP
9	1	572054550100	PANEL; LEFT SIDE
10	1	572054610100	PANEL; LEFT SIDE W/PHR
11	1	572097020100	PANEL; FRONT SIDE W/VFD
12	1	572097030100	PANEL; FRONT SIDE W/VFD
13	1	572097010100	SUPPORT; FRONT SIDE

Table 12. Kit contents LVR01095

#	Qty Per	Component Part	Component Description
1	2	572095380100	SUPPORT; LOUVER
2	86	X25020604010	SCREW;M8 X 1.25MM X 16MM
3	8	572055590100	LOUVER; UNIT SIDE CGAM
4	1	572051000100	PANEL; BACK SIDE
5	1	572095690100	SUPPORT; BACK SIDE
6	1	572050910100	PANEL; BACK SIDE W/PP
7	1	572097980100	PANEL; BACK SIDE W/PP
8	1	572050900100	PANEL; FRONT SIDE
9	1	572054550100	PANEL; LEFT SIDE
10	1	572054550100	PANEL; LEFT SIDE

Table 13. Kit contents LVR01096

#	Qty Per	Component Part	Component Description
1	2	572095380100	SUPPORT; LOUVER
2	92	X25020604010	SCREW;M8 X 1.25MM X 16MM
3	8	572055590100	LOUVER; UNIT SIDE CGAM
4	1	572051000100	PANEL; BACK SIDE
5	1	572095690100	SUPPORT; BACK SIDE
6	1	572050910100	PANEL; BACK SIDE W/PP
7	1	572097980100	PANEL; BACK SIDE W/PP
9	1	572054550100	PANEL; LEFT SIDE
10	1	572054550100	PANEL; LEFT SIDE
11	1	572097020100	PANEL; FRONT SIDE W/VFD
12	1	572097030100	PANEL; FRONT SIDE W/VFD
13	1	572097010100	SUPPORT; FRONT SIDE

Figure 5. CGAM030–035 ton (S2 units); 1 of 2



6. Install four lower louvers (Figure 8, p. 13, Item 3) with provided M8 X 16 screws (Figure 8, Item 2).
7. Install front panel (Figure 8, p. 13, Item 8) with provided M8 X 16 screws (Figure 8, Item 2).
8. If unit has the flow control option install the three front panels (Figure 7, Item 11, Item 12, and Item 13) with provided M8 X 16 screws (Figure 7, Item 2).
9. Install two lower left side panels (Figure 7, Item 9 and Item 10) with provided M8 X 16 screws (Figure 7, Item 2).

Figure 6. CGAM030–035 ton (S2 units); 2 of 2



1. Install two center louver supports (Figure 7, p. 12, Item 1) to unit with provided M8 X 16 screws (Figure 7, Item 2).

Note: Do not use an impact gun when installing plastic louvers.

2. Install four upper louvers (Figure 7, Item 3) with provided M8 X 16 screws (Figure 7, Item 2).
3. Install upper backside panel (Figure 7, Item 4) with provided M8 X 16 screws (Figure 7, Item 2).
4. Install lower back side panel support (Figure 7, Item 5) with provided M8 X 16 screws (Figure 7, Item 2).
5. Install left back side panel (Figure 7, Item 6) and right back side panel (Figure 7, Item 7) with provided M8 X 16 screws (Figure 7, Item 2).

Note: Front panel, Item 9 in Step 7, is only used on units that do NOT have the flow control option. Item 11, Item 12, and Item 13 are used on units with the flow control option.

Figure 7. CGAM chiller louvered panels (S2 units)

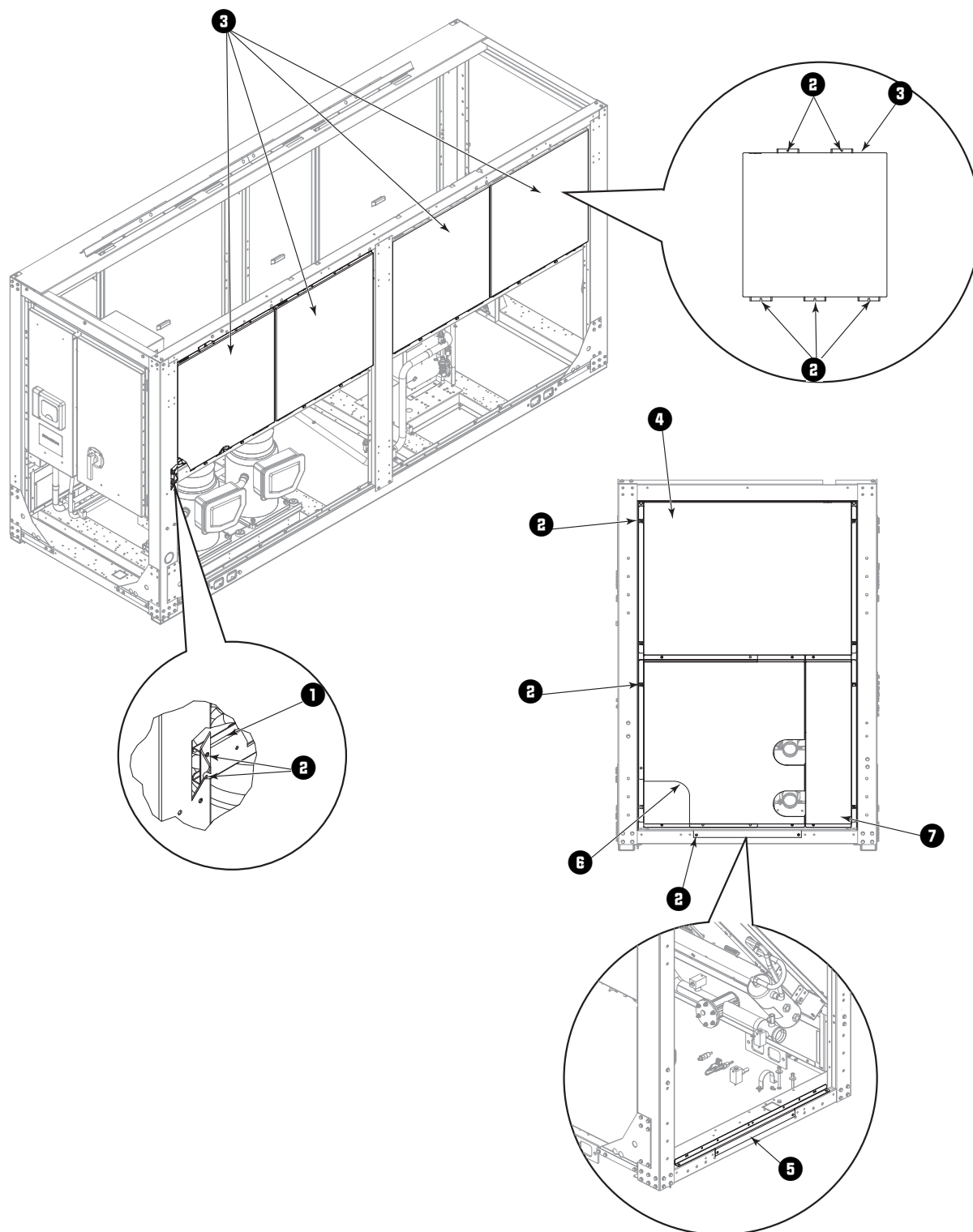
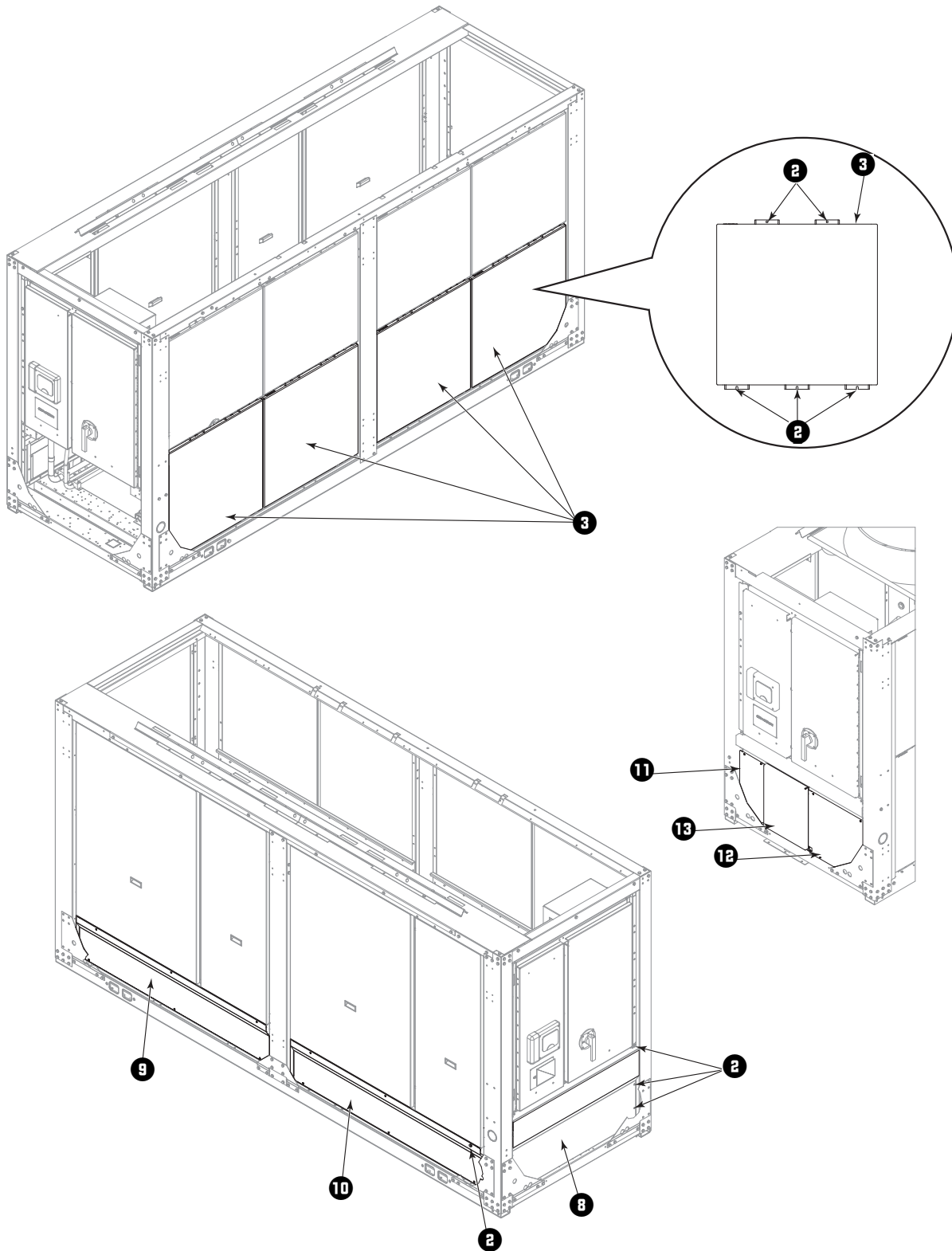


Figure 8. CGAM chiller louvered panels (S2 units)





Installation

CGAM040 and CGAM052 Chillers (V1 Units)

Table 14. Kit contents FMF14437^(a)

#	Qty Per	Component Part	Component Description
1	4	572095370100	PANEL; LOUVER
2	16	X25030266010	SCREW; M6 X 16MM HEX CAP
3	2	572095360100	SUPPORT; LOUVER
4	131	X25020604010	SCREW; M8 X 1.25MM X 16MM
5	12	572055590100	LOUVER; UNIT SIDE CGAM
6	1	572116120100	SUPPORT; LOUVER
7	1	572094890100	POST; LOUVER
8	2	572055570100	LOUVER; LOWER END CGAM
9	1	572116160100	PANEL; TOP CONTROL PANEL
10	1	572116130100	SUPPORT; PANEL
11	1	572116010100	SUPPORT; PHR
12	3	572116030100	PANEL; UNIT END
13	1	572116090100	PANEL; BPHE INLET/OUTLET
14	1	572116080100	PANEL; BPHE INLET/OUTLET

(a) CGAM040 chillers only.

Table 15. Kit contents LVR01097^(a)

#	Qty Per	Component Part	Component Description
1	4	572095370100	PANEL; LOUVER
2	16	X25030266010	SCREW; M6 X 16MM HEX CAP
3	2	572095360100	SUPPORT; LOUVER
4	131	X25020604010	SCREW; M8 X 1.25MM X 16MM
5	12	572055590100	LOUVER; UNIT SIDE CGAM
6	1	572116120100	SUPPORT; LOUVER
7	1	572094890100	POST; LOUVER
8	2	572055570100	LOUVER; LOWER END CGAM
9	1	572116160100	PANEL; TOP CONTROL PANEL
10	1	572116130100	SUPPORT; PANEL
11	1	572116010100	SUPPORT; PHR
12	1	572116030100	PANEL; UNIT END
13	1	572116070100	PANEL; UNIT END
14	1	572116080100	PANEL; BPHE INLET/OUTLET
15	1	572116030100	PANEL; UNIT END
16	1	572116030100	PANEL; UNIT END

(a) CGAM052 chillers only.

Table 16. Kit contents LVR01098

#	Qty Per	Component Part	Component Description
1	4	572095370100	PANEL; LOUVER
2	16	X25030266010	SCREW; M6 X 16MM HEX CAP
3	2	572095360100	SUPPORT; LOUVER
4	131	X25020604010	SCREW; M8 X 1.25MM X 16MM
5	12	572055590100	LOUVER; UNIT SIDE CGAM
6	1	572116120100	SUPPORT; LOUVER
7	1	572094890100	POST; LOUVER
8	2	572055570100	LOUVER; LOWER END CGAM
9	1	572116160100	PANEL; TOP CONTROL PANEL
10	1	572116130100	SUPPORT; PANEL
11	1	572116010100	SUPPORT; PHR
12	1	573120610100	PANEL; UNIT END, V UNIT
13	1	572116050100	PANEL; UNIT END
14	1	572116060100	PANEL; UNIT END
15	1	572116030100	PANEL; UNIT END
16	1	572116030100	PANEL; UNIT END

Table 17. Kit contents LVR01099

#	Qty Per	Component Part	Component Description
1	4	572095370100	PANEL; LOUVER
2	16	X25030266010	SCREW; M6 X 16MM HEX CAP
3	2	572095360100	SUPPORT; LOUVER
4	127	X25020604010	SCREW; M8 X 1.25MM X 16MM
5	12	572055590100	LOUVER; UNIT SIDE CGAM
6	1	572116120100	SUPPORT; LOUVER
7	1	572094890100	POST; LOUVER
8	2	572055570100	LOUVER; LOWER END CGAM
9	1	572116160100	PANEL; TOP CONTROL PANEL
10	1	572116130100	SUPPORT; PANEL
12	1	572116030100	PANEL; UNIT END
13	1	572116090100	PANEL; BPHE INLET/OUTLET
14	1	572116080100	PANEL; BPHE INLET/OUTLET
15	1	572116100100	PANEL; PHR INLET/OUTLET
16	1	572116110100	PANEL; UNIT END

Table 18. Kit contents LVR01100

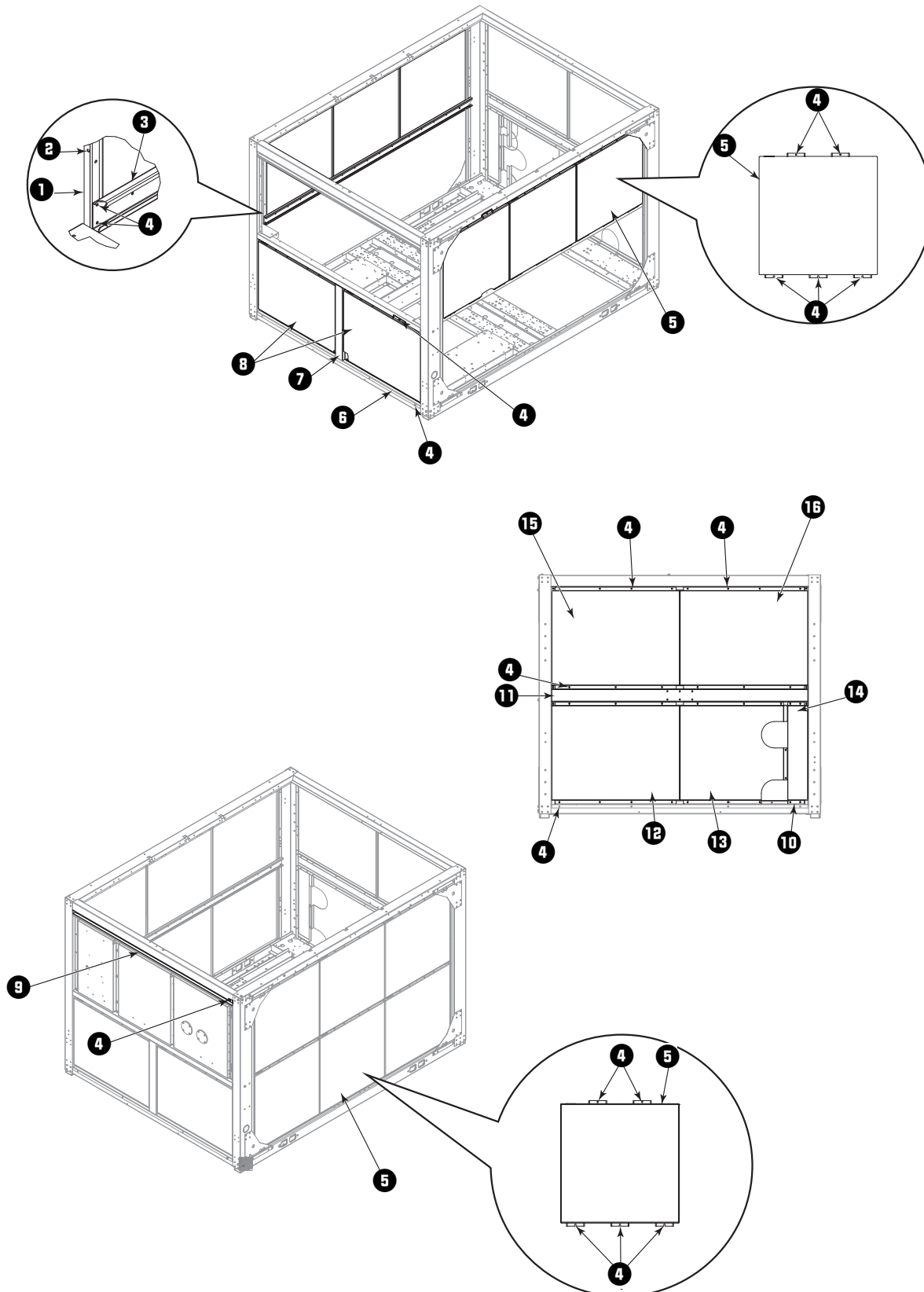
#	Qty Per	Component Part	Component Description
1	4	572095370100	PANEL; LOUVER
2	16	X25030266010	SCREW; M6 X 16MM HEX CAP
3	2	572095360100	SUPPORT; LOUVER
4	127	X25020604010	SCREW; M8 X 1.25MM X 16MM
5	12	572055590100	LOUVER; UNIT SIDE CGAM
6	1	572116120100	SUPPORT; LOUVER
7	1	572094890100	POST; LOUVER
8	2	572055570100	LOUVER; LOWER END CGAM
9	1	572116160100	PANEL; TOP CONTROL PANEL
10	1	572116130100	SUPPORT; PANEL
12	1	572116030100	PANEL; UNIT END
13	1	572116070100	PANEL; UNIT END
14	1	572116080100	PANEL; BPHE INLET/OUTLET
15	2	572116100100	PANEL; PHR INLET/OUTLET

Figure 9. CGAM040–052 ton (V1 units); 1 of 2

Figure 10. CGAM040–052 ton (V1 units); 2 of 2


1. Install four side louver supports (Figure 11, p. 16, Item 1), two on each side of unit, with provided M6 X 16 screws (Figure 11, Item 2).
2. Install center louver supports (Figure 11, Item 3) to each side of unit with provided M8 X 16 screws (Figure 11, Item 4).
Note: Do not use an impact gun when installing plastic louvers.
3. Install six upper louvers (Figure 11, Item 5), three each side, with provided M8 X 16 screws (Figure 11, Item 4).
4. Install lower end louver support (Figure 11, Item 6) with provided M8 X 16 screws (Figure 11, Item 4).
5. Install lower end louver post (Figure 11, Item 7) with provided M8 X 16 screws (Figure 11, Item 4).
6. Install lower end louvers (Figure 11, Item 8) with provided M8 X 16 screws (Figure 11, Item 4).
7. Install top control panel strip (Figure 11, Item 9) with provided M8 X 16 screws (Figure 11, Item 4).
8. Install lower support (Figure 11, Item 10) on end of unit with provided M8 X 16 screws (Figure 11, Item 4).
Note: Installation of Item 11 in Step 9 is only required on units that do NOT have heat recovery option.
9. Install center rear end support panel (Figure 11, Item 11) with provided M8 X 16 screws (Figure 11, Item 4).
10. Install the three lower unit end panels (Figure 11, Item 12, Item 13, and Item 14) with provided M8 X 16 screws (Figure 11, Item 4).
11. Install upper unit end panels (Figure 11, Item 15 and Item 16) with provided M8 X 16 screws (Figure 11, Item 4).
12. Install six lower louvers (Figure 11, Item 5), three each side, with provided M8 X 16 screws (Figure 11, Item 4).

Figure 11. CGAM chiller louvered panels (V1 un its)



CGAM060 and CGAM070 Chillers (V2 Units)

Table 19. Kit contents FMF14486

#	Qty Per	Component Part	Component Description
1	4	572095380100	SUPPORT; LOUVER
2	159	X25020604010	SCREW;M8 X 1.25MM X 16MM
3	16	572055590100	LOUVER; UNIT SIDE CGAM
4	1	572116120100	SUPPORT; LOUVER
5	1	572094890100	POST; LOUVER
6	2	572055570100	LOUVER; LOWER END CGAM
7	1	572116160100	PANEL; TOP CONTROL PANEL
8	1	572116130100	SUPPORT; PANEL
9	1	572116010100	SUPPORT; PHR
10	3	572116030100	PANEL; UNIT END
11	1	572116080100	PANEL; BPHE INLET/OUTLET
12	1	572116070100	PANEL; UNIT END

Table 20. Kit contents LVR01101

#	Qty Per	Component Part	Component Description
1	4	572095380100	SUPPORT; LOUVER
2	159	X25020604010	SCREW;M8 X 1.25MM X 16MM
3	16	572055590100	LOUVER; UNIT SIDE CGAM
4	1	572116120100	SUPPORT; LOUVER
5	1	572094890100	POST; LOUVER
6	2	572055570100	LOUVER; LOWER END CGAM
7	1	572116160100	PANEL; TOP CONTROL PANEL
8	1	572116130100	SUPPORT; PANEL
9	1	572116010100	SUPPORT; PHR
10	1	572116030100	PANEL; UNIT END
11	1	572116060100	PANEL; UNIT END
12	1	572116050100	PANEL; UNIT END
13	1	572116030100	PANEL; UNIT END
14	1	573120610100	PANEL; UNIT END, V UNIT

Table 21. Kit contents LVR01102

#	Qty Per	Component Part	Component Description
1	4	572095380100	SUPPORT; LOUVER
2	155	X25020604010	SCREW;M8 X 1.25MM X 16MM
3	16	572055590100	LOUVER; UNIT SIDE CGAM
4	1	572116120100	SUPPORT; LOUVER
5	1	572094890100	POST; LOUVER
6	2	572055570100	LOUVER; LOWER END CGAM
7	1	572116160100	PANEL; TOP CONTROL PANEL
8	1	572116130100	SUPPORT; PANEL
10	1	572116110100	PANEL; UNIT END
11	1	572116080100	PANEL; BPHE INLET/OUTLET
12	1	572116070100	PANEL; UNIT END
13	1	572116100100	PANEL; PHR INLET/OUTLET
14	1	572116030100	PANEL; UNIT END

Table 22. Kit contents LVR01110

#	Qty Per	Component Part	Component Description
1	4	572095380100	SUPPORT; LOUVER
2	155	X25020604010	SCREW;M8 X 1.25MM X 16MM
3	16	572055590100	LOUVER; UNIT SIDE CGAM
4	1	572116120100	SUPPORT; LOUVER
5	1	572094890100	POST; LOUVER
6	2	572055570100	LOUVER; LOWER END CGAM
7	1	572116160100	PANEL; TOP CONTROL PANEL
8	1	572116130100	SUPPORT; PANEL
10	1	572116110100	PANEL; UNIT END
11	1	572116060100	PANEL; UNIT END
12	1	572116050100	PANEL; UNIT END
13	1	572116100100	PANEL; PHR INLET/OUTLET
14	1	573120610100	PANEL; UNIT END, V UNIT

Figure 12. CGAM060–070 ton (V2 units); 1 of 2

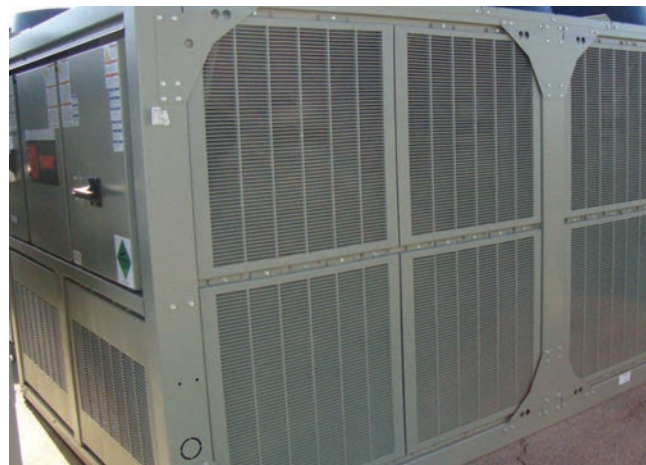


Figure 13. CGAM060–070 ton (V2 units); 2 of 2



1. Install four center louver supports, (Figure 14, p. 19, Item 1), two to each side of unit, with provided M8 X 16 screws (Figure 14, Item 2).

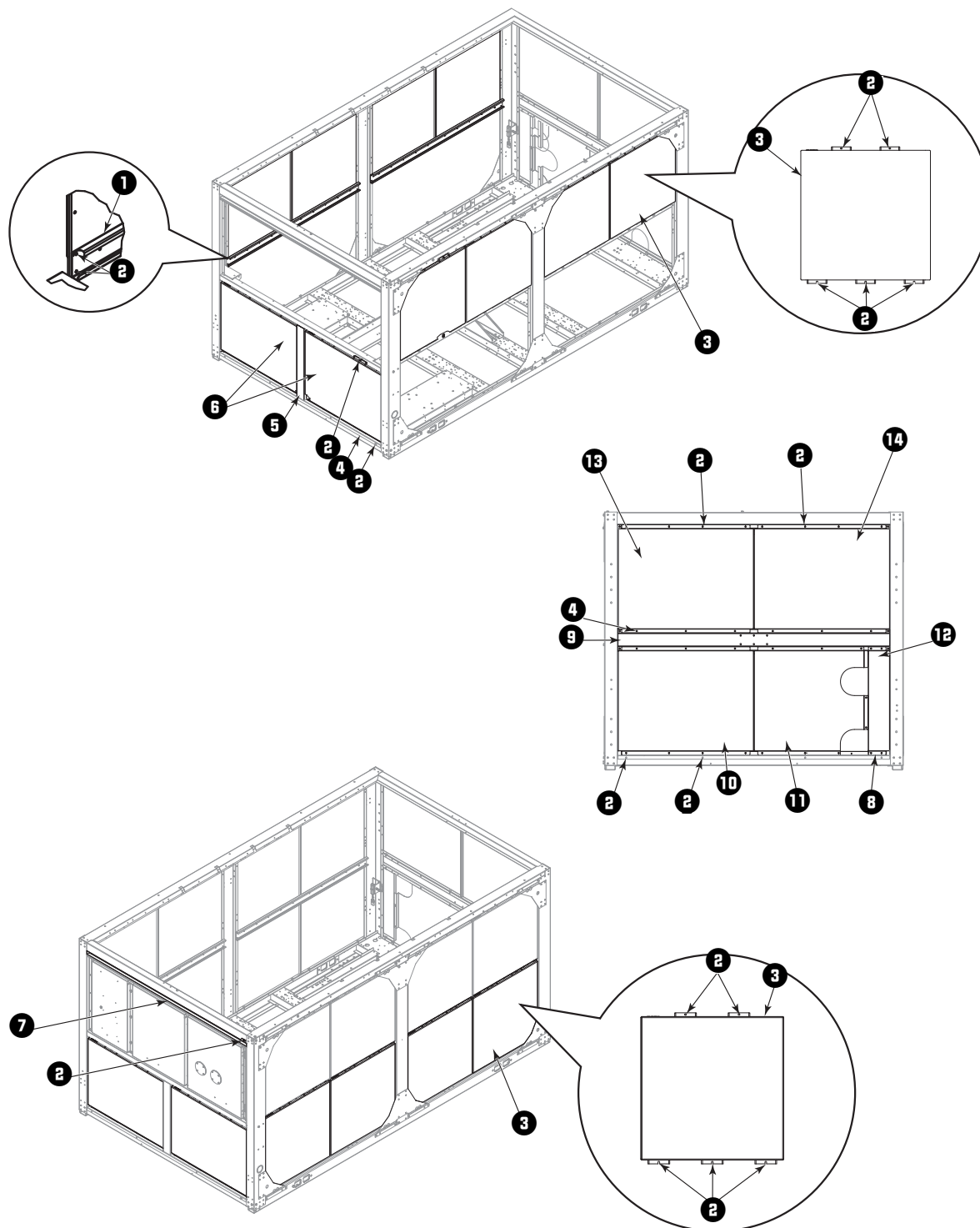
Note: Do not use an impact gun when installing plastic louvers.

2. Install eight upper louvers (Figure 14, Item 3), four each side, with provided M8 X 16 screws (Figure 14, Item 2).
3. Install lower end louver support (Figure 14, Item 4) with provided M8 X 16 screws (Figure 14, Item 2).
4. Install lower end louver post (Figure 14, Item 5) with provided M8 X 16 screws (Figure 14, Item 2).
5. Install lower end louvers (Figure 14, Item 6) with provided M8 X 16 screws (Figure 14, Item 2).
6. Install top control panel strip (Figure 14, Item 7) with provided M8 X 16 screws (Figure 14, Item 2).
7. Install lower support (Figure 14, Item 8) on end of unit with provided M8 X 16 screws (Figure 14, Item 2).

Note: Installation of Item 9 in Step 8 is only required on units that do NOT have heat recovery option.

8. Install center rear end support panel (Figure 14, Item 9) with provided M8 X 16 screws (Figure 14, Item 2).
9. Install the three lower unit end panels (Figure 14, Item 10, Item 11, and Item 12) with provided M8 X 16 screws (Figure 14, Item 2).
10. Install upper unit end panels (Figure 14, Item 13 and Item 14) with provided M8 X 16 screws (Figure 14, Item 2).
11. Install eight lower louvers (Figure 14, Item 3), four each side, with provided M8 X 16 screws (Figure 14, Item 2).

Figure 14. CGAM chiller louvered panels (V2 units)



CGAM080 and CGAM090 Chillers (W1 Units)

Table 23. Kit contents FMF14440

#	Qty Per	Component Part	Component Description
1	6	571272480100	PANEL; LVRD UPPER PLASTIC
2	22	X32030872010	CLIP-SPEED; S Type Spring
3	38	X25020604010	SCREW;M8 X 1.25MM X 16MM
4	2	572055550100	LOUVER; UPPER SIDE CGAM
5	2	572024130100	ANGLE; LOUVER
6	6	572055580100	LOUVER; LOWER SIDE CGAM
7	2	572055560100	LOUVER; LOWER SIDE CGAM
8	1	572018650100	ANGLE; LOUVER
9	2	572055570100	LOUVER; LOWER END CGAM

Table 24. Kit contents LVR01104

#	Qty Per	Component Part	Component Description
1	6	571272480100	PANEL; LVRD UPPER PLASTIC
2	22	X32030872010	CLIP-SPEED; S Type Spring
3	38	X25020604010	SCREW;M8 X 1.25MM X 16MM
4	2	572055550100	LOUVER; UPPER SIDE CGAM
5	2	572024130100	ANGLE; LOUVER
6	6	572055580100	LOUVER; LOWER SIDE CGAM
7	2	572055560100	LOUVER; LOWER SIDE CGAM
8	1	572018650100	ANGLE; LOUVER
9	1	572229070100	PANEL; LOUVER W
10	1	572229090100	PANEL; LOUVER, W w/PMP

Table 25. Kit contents LVR01103

#	Qty Per	Component Part	Component Description
1	6	571272480100	PANEL; LVRD UPPER PLASTIC
2	22	X32030872010	CLIP-SPEED; S Type Spring
3	303	X25020604010	SCREW;M8 X 1.25MM X 16MM
4	2	572055550100	LOUVER; UPPER SIDE CGAM

Figure 15. CGAM080–090 ton (W1 units); 1 of 1

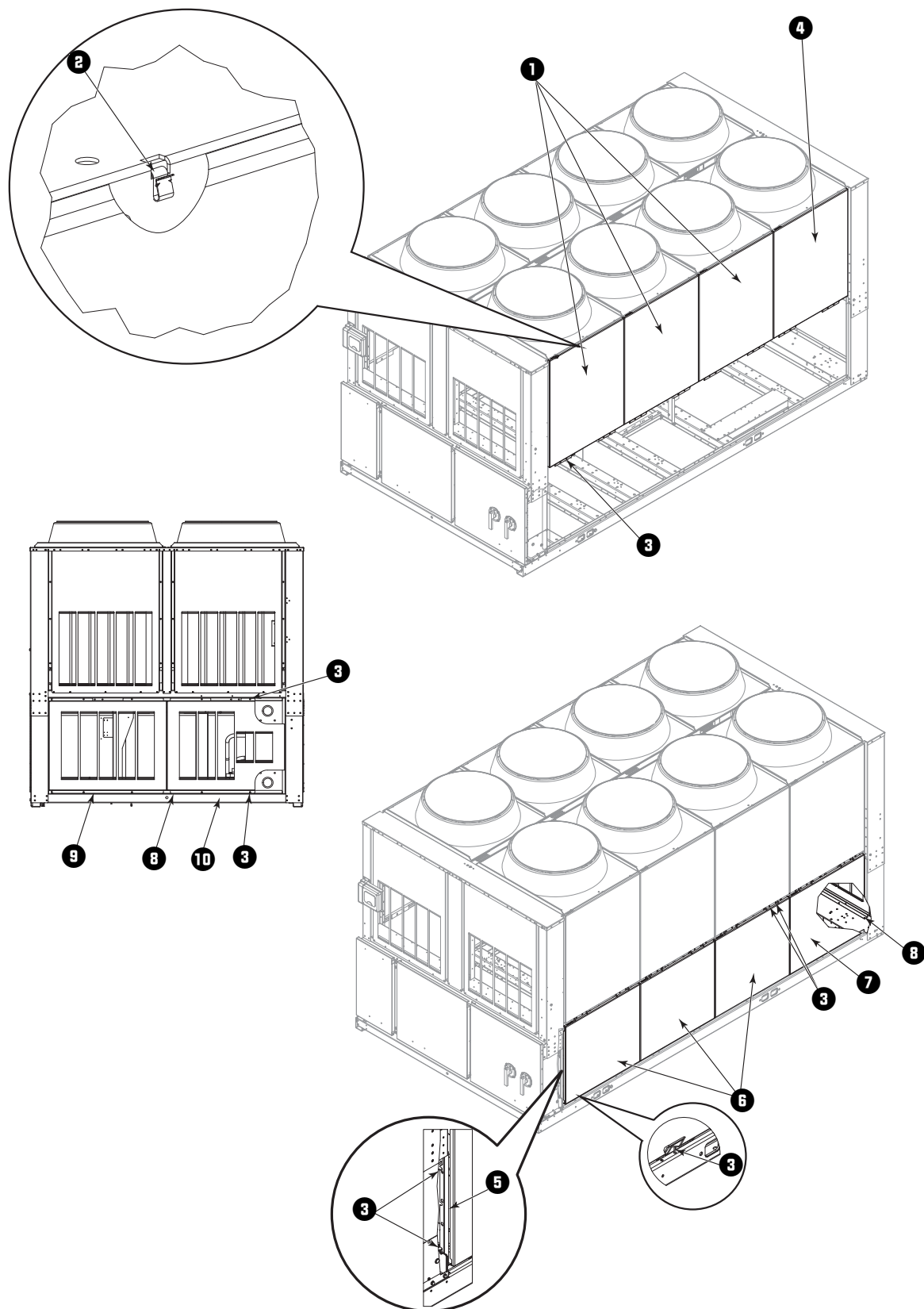

Note: Do not use an impact gun when installing plastic louvers.

1. Install three clips (Figure 16, p. 21, Item 2) per upper louver.
2. Install six upper louvers (Figure 16, Item 1), three each side, with provided M8 X 16 screws (Figure 16, Item 3).
3. Install two smaller upper louvers (Figure 16, Item 4), one each side, with provided M8 X 16 screws (Figure 16, Item 3).

Note: If installing the half louver option, the installation is complete at this point.

4. Install two louver support angles (Figure 16, Item 5), one each side of unit, with provided M8 X 16 screws (Figure 16, Item 3).
5. Install six lower louvers (Figure 16, Item 6), three each side, with provided M8 X 16 screws (Figure 16, Item 3).
6. Install two smaller lower louvers (Figure 16, Item 7), one each side, with provided M8 X 16 screws (Figure 16, Item 3).
7. Install rear louver angle (Figure 16, Item 8) with provided M8 X 16 screws (Figure 16, Item 3).
8. Install lower end louvers (Figure 16, Item 9 and Item 10) with provided M8 X 16 screws (Figure 16, Item 3).

Figure 16. CGAM chiller louvered panels (W1 units)



CGAM100, CGAM110, and CGAM120 Chillers (W2 Units)

Table 26. Kit contents FMF14464

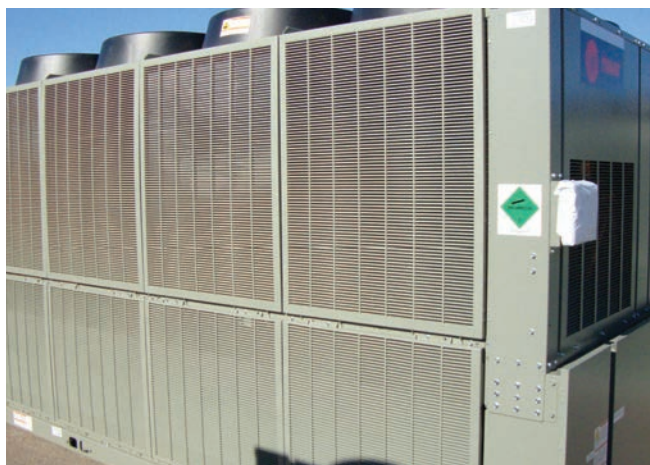
#	Qty Per	Component Part	Component Description
1	8	571272480100	PANEL; LVRD UPPER PLASTIC
2	24	X32030872010	CLIP-SPEED; S Type Spring
3	40	X25020604010	SCREW;M8 X 1.25MM X 16MM
4	2	572024130100	ANGLE; LOUVER
5	8	572055580100	LOUVER; LOWER SIDE CGAM
6	1	572018650100	ANGLE; LOUVER
7	2	572055570100	LOUVER; LOWER END CGAM

Table 27. Kit contents LVR01106

#	Qty Per	Component Part	Component Description
1	8	571272480100	PANEL; LVRD UPPER PLASTIC
2	24	X32030872010	CLIP-SPEED; S Type Spring
3	40	X25020604010	SCREW;M8 X 1.25MM X 16MM
4	2	572024130100	ANGLE; LOUVER
5	8	572055580100	LOUVER; LOWER SIDE CGAM
6	1	572018650100	ANGLE; LOUVER
7	1	572229070100	PANEL; LOUVER W
8	1	572229090100	PANEL; LOUVER, W w/PMP

Table 28. Kit contents LVR01105

#	Qty Per	Component Part	Component Description
1	8	571272480100	PANEL; LVRD UPPER PLASTIC
2	24	X32030872010	CLIP-SPEED; S Type Spring
3	24	X25020604010	SCREW;M8 X 1.25MM X 16MM
4	2	572055550100	LOUVER; UPPER SIDE CGAM

Figure 17. CGAM100–120 ton (W2 units); 1 of 1


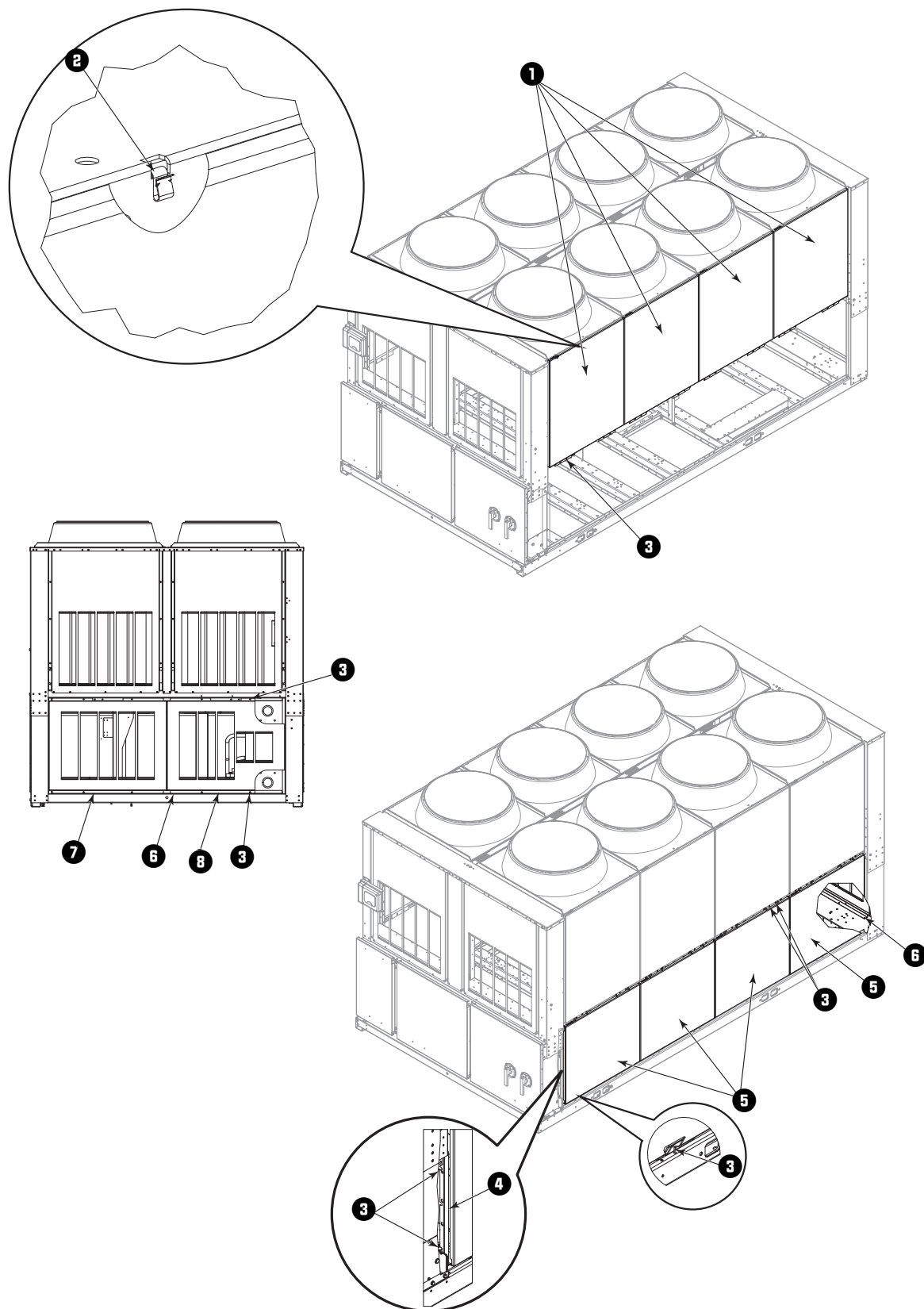
Note: Do not use an impact gun when installing plastic louvers.

1. Install three clips (Figure 18, p. 23, Item 2) per upper louver.
2. Install eight upper louvers (Figure 18, Item 1), four each side, with provided M8 X 16 screws (Figure 18, Item 3).

Note: If installing the half louver option, the installation is complete at this point.

3. Install two louver support angles (Figure 18, Item 4), one each side of unit, with provided M8 X 16 screws (Figure 18, Item 3).
4. Install eight lower louvers (Figure 18, Item 5), four each side, with provided M8 X 16 screws (Figure 18, Item 3).
5. Install rear louver angle (Figure 18, Item 6) with provided M8 X 16 screws (Figure 18, Item 3).
6. Install lower end louvers (Figure 18, Item 7 and Item 8) with provided M8 X 16 screws (Figure 18, Item 3).

Figure 18. CGAM chiller louvered panels (W2 units)





Installation

CGAM130 Chillers (W3 Units)

Table 29. Kit contents LVR01107

#	Qty Per	Component Part	Component Description
1	10	571272480100	PANEL; LVRD UPPER PLASTIC
2	30	X32030872010	CLIP-SPEED; S Type Spring
3	48	X25020604010	SCREW;M8 X 1.25MM X 16MM
4	2	572024130100	ANGLE; LOUVER
5	10	572055580100	LOUVER; LOWER SIDE CGAM
6	1	572018650100	ANGLE; LOUVER
7	1	572229070100	PANEL; LOUVER W
8	1	572229080100	PANEL; LOUVER W w/o PUMP

Table 30. Kit contents LVR01109

#	Qty Per	Component Part	Component Description
1	10	571272480100	PANEL; LVRD UPPER PLASTIC
2	30	X32030872010	CLIP-SPEED; S Type Spring
3	48	X25020604010	SCREW;M8 X 1.25MM X 16MM
4	2	572024130100	ANGLE; LOUVER
5	10	572055580100	LOUVER; LOWER SIDE CGAM
6	1	572018650100	ANGLE; LOUVER
7	1	572229070100	PANEL; LOUVER W
8	1	572229090100	PANEL; LOUVER, W w/PMP

Table 31. Kit contents LVR01108

#	Qty Per	Component Part	Component Description
1	10	571272480100	PANEL; LVRD UPPER PLASTIC
2	30	X32030872010	CLIP-SPEED; S Type Spring
3	28	X25020604010	SCREW;M8 X 1.25MM X 16MM

Figure 19. CGAM130 ton (W3 units); 1 of 1



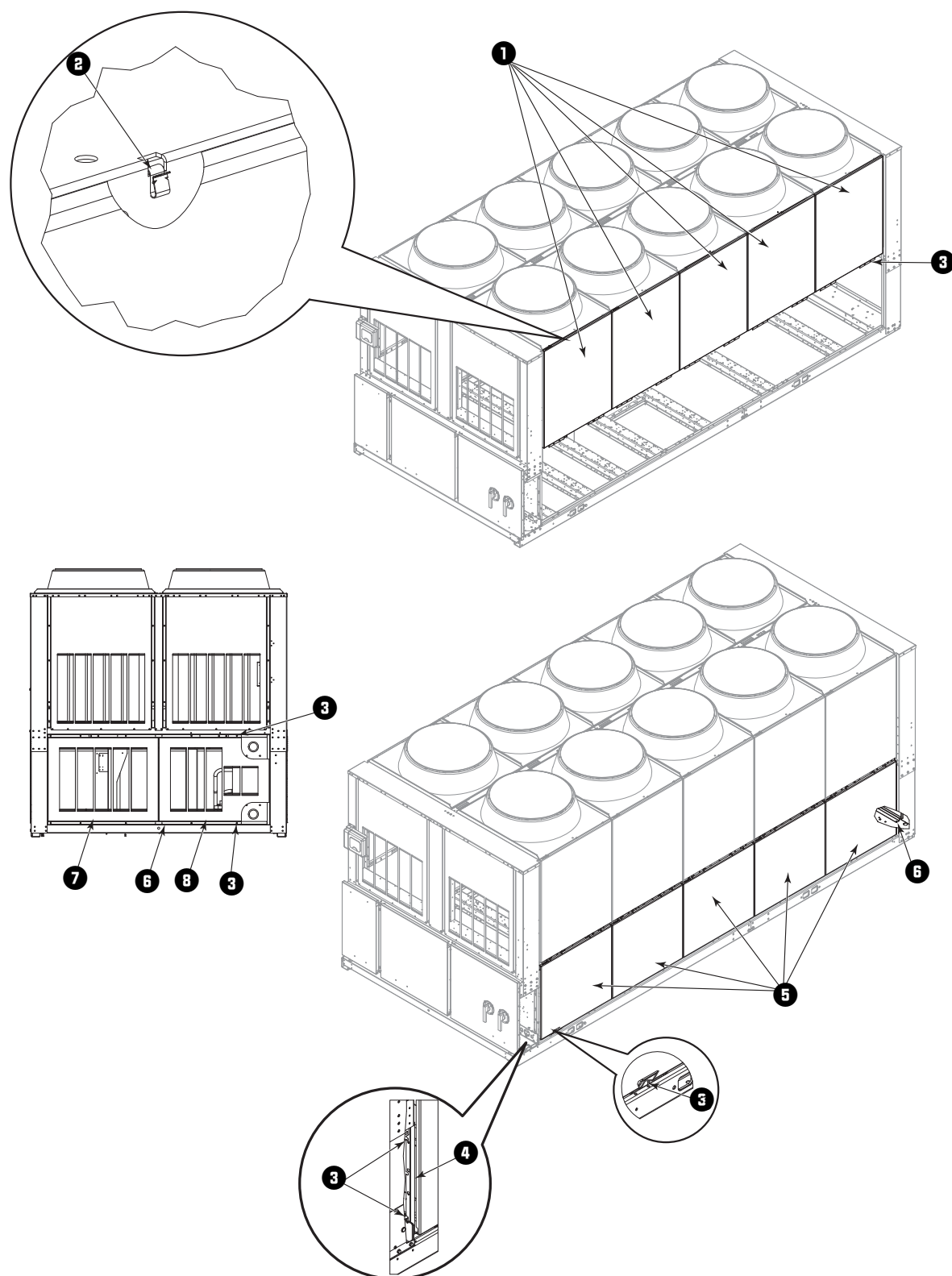
Note: Do not use an impact gun when installing plastic louvers.

1. Install three clips (Figure 20, p. 25, Item 2) per upper louver.
2. Install ten upper louvers (Figure 20, Item 1), five each side, with provided M8 X 16 screws (Figure 20, Item 3).

Note: If installing the half louver option, the installation is complete at this point.

3. Install two louver support angles (Figure 20, Item 4), one each side of unit, with provided M8 X 16 screws (Figure 20, Item 3).
4. Install ten lower louvers (Figure 20, Item 5), five each side, with provided M8 X 16 screws (Figure 20, Item 3).
5. Install rear louver angle (Figure 20, Item 6) with provided M8 X 16 screws (Figure 20, Item 3).
6. Install lower end louvers (Figure 20, Item 7 and Item 8) with provided M8 X 16 screws (Figure 20, Item 3).

Figure 20. CGAM chiller louvered panels (W3 units)



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