

GOLD RX/PX/CX

Air Handling Unit

INSTALLATION INSTRUCTIONS



EN - Installation instructions
SE - Installationsanvisning
DE - Installationsanleitung
FR - Instructions d'installation
NO - Installasjonsanvisning
DK - Installationsanvisning
FI - Asennusohje
PL - Instrukcja instalacji
RU - Инструкция по монтажу
ES - Instrucciones de instalación
IT - Istruzioni per l'installazione
PT - Instruções de instalação
NL - Installatie instructies

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The document was originally written in Swedish.

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IT - INDICE

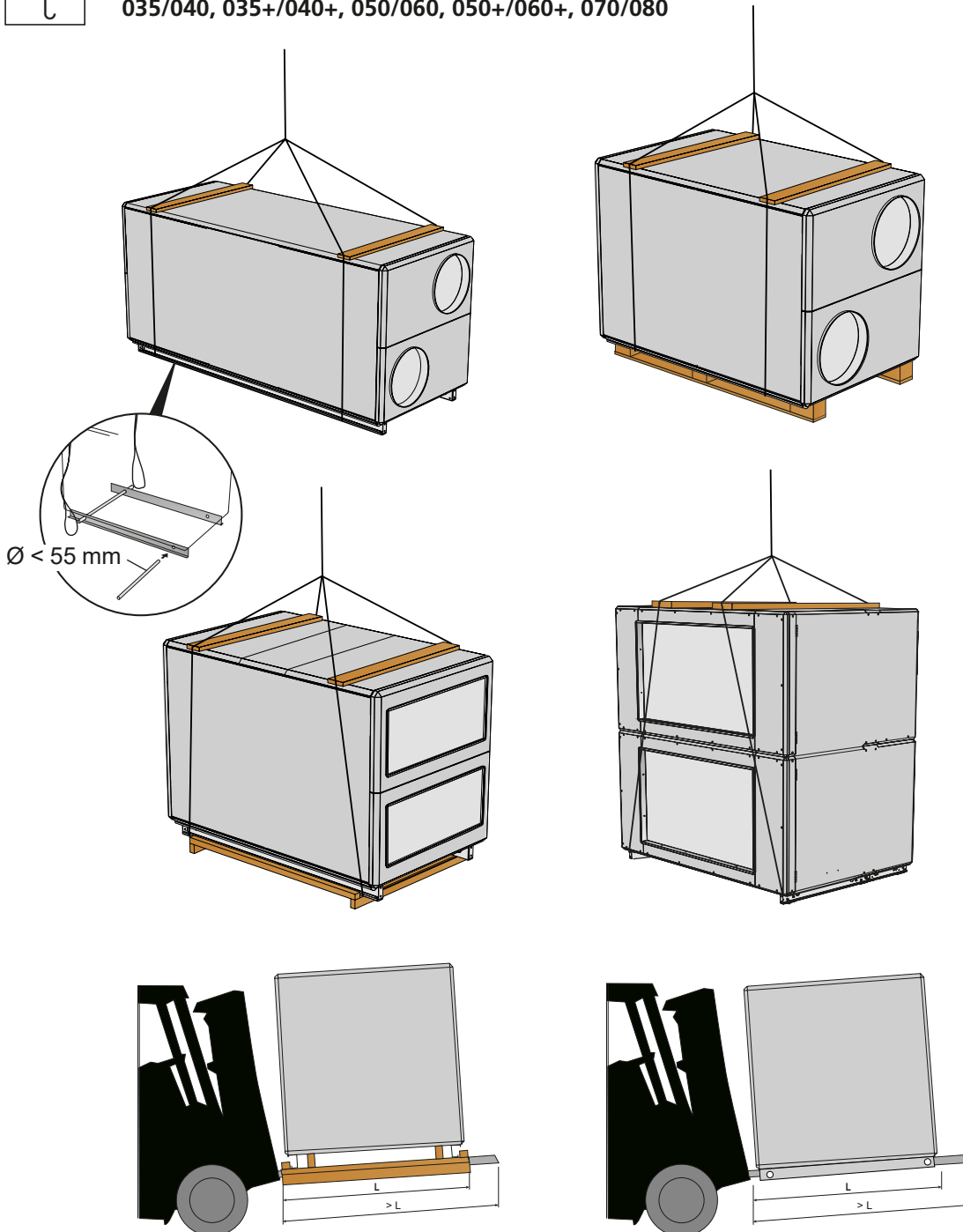
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1.

							
EN	Warning	Must be connected by a qualified Electrician. Warning! Hazardous voltage.	Outdoor air	Supply air	Extract air	Exhaust air	Protect from moisture
SE	Varning	Skall utföras av behörig elektriker. Varning för farlig spänning!	Uteluft	Tilluft	Frånluft	Avluft	Skyddas från väta
DE	Warnung	Der Anschluss ist von einem Elektriker vorzunehmen. Warnung vor gefährlicher Spannung!	Außenluft	Zuluft	Abluft	Fortluft	Vor Nässe schützen
FR	Avertissement	Doit être raccordé par un électricien agréé. Avertissement de tension dangereuse!	Air extérieur	Air de pulsion	Air extrait	Air rejeté	Protéger contre l'humidité
NO	Advarsel	Skal tilkobles av autorisert elektriker. Advarsel for farlig spenning!	Uteluft	Tilluft	Avtrekksluft	Avkast	Beskyttes fra væte
DK	Advarsel	Skal tilsluttes af autoriseret elektriker. Advarsel om farlig spænding!	Friskluft	Indblæsningsluft	Udsugningsluft	Afgangsluft	Beskyttes mod væde
FI	Varoitus	Liitäntä annettava pätevän sähköasentajan tehtäväksi. Varoitus – vaarallinen jännite!	Ulkoilma	Tuloilma	Poistoilma	Jäteilma	Suojattava kastumiselta
PL	Uwaga!	Podłączenia winne być wykonane przez wykwalifikowanego elektryka. Ostrzeżenie! Niebezpieczne napięcie.	Powietrze zewnętrzne	Powietrze nawiewane	Powietrze wywiewane	Powietrze wyrzucane	Chronić przed wilgocią
RU	Внимание	Разрешено только специалисту-электрику. Внимание, опасное напряжение!	Наружный воздух	Приточный воздух	Отработанный воздух	Вытяжной воздух	Защитить от влаги
ES	Advertencia	Debe efectuarla un electricista autorizado. Advertencia de tensión peligrosa!	Aire exterior	Aire de impulsión	Aire de retorno	Aire de extracción	Proteger contra la humedad
IT	Avvertenza	Operazione riservata a elettricisti qualificati. Avvertenza tensione pericolosa!	Aria esterna	Aria in entrata	Aria in uscita	Sfiato	Teme l'umidità
PT	Aviso	Deve ser efectuado por electricista autorizado. Aviso! Tensão eléctrica perigosa.	Ar exterior	Ar de entrada	Ar de saída	Ar de extracção	Proteger contra a humidade
NL	Waarschuwing	Uit te voeren door een bevoegd elektricien. Waarschuwing voor gevaarlijke spanning	Buitenlucht	Inlaatlucht	Uitlaatlucht	Afvoerlucht	Tegen vocht beschermen

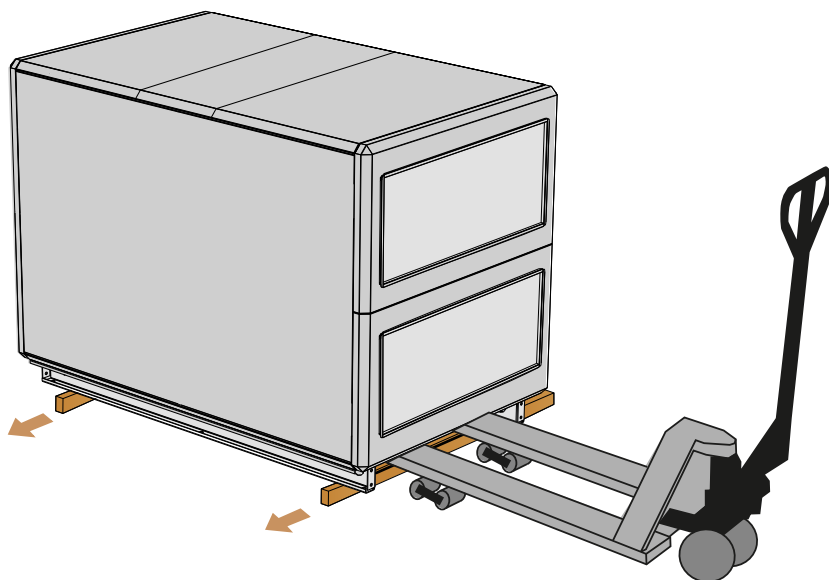
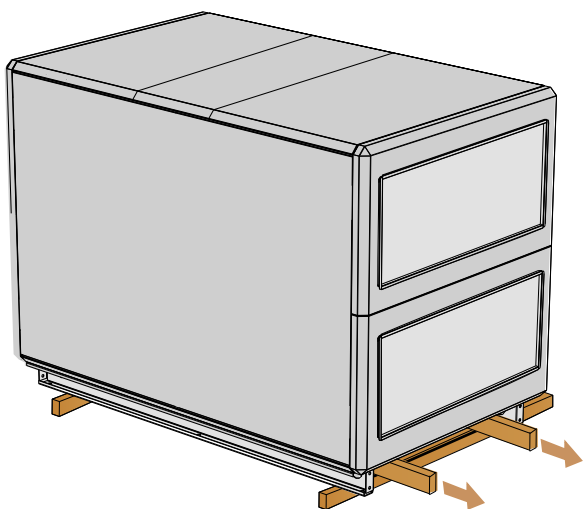
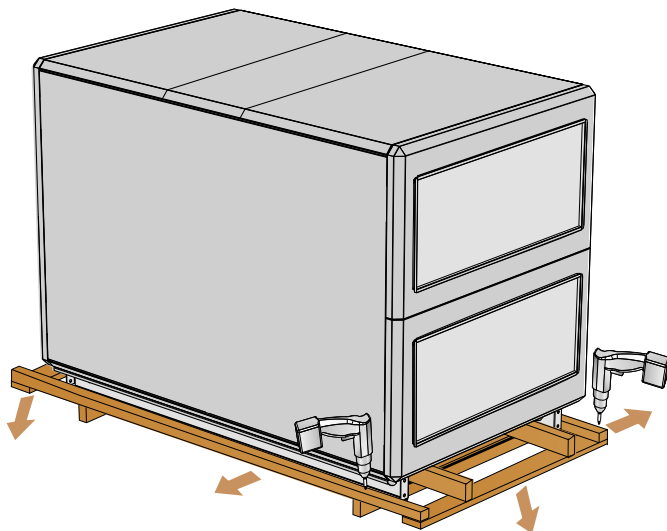


GOLD 004/005, 007/008, 011/012, 014/020, 014+/020+, 025/030, 025+/030+, 035/040, 035+/040+, 050/060, 050+/060+, 070/080



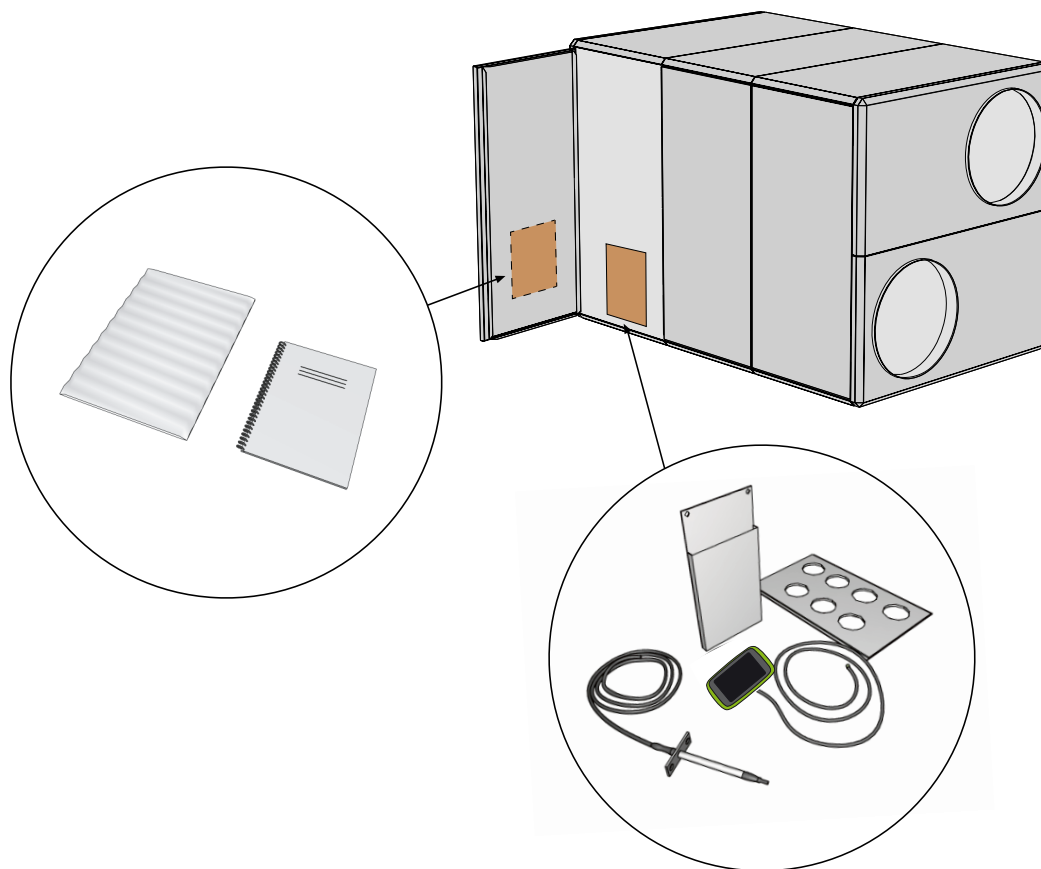
- EN - For weights, see the relevant package
 SE - För vikter, se respektive kolli
 DE - Für Gewichte siehe jeweilige Verpackung
 FR - Les poids figurent sur les emballages correspondants.
 NO - For vekt se respektive kolli
 DK - Se det pågældende kolli for vægtoplysninger
 FI - Katso painot vastaavista kolleista
 PL - Waga, patrz odpowiednie sekcje.
 RU - Вес, см. на упаковке
 ES - Consulte los pesos en el paquete correspondiente
 IT - Per i pesi, vedere il relativo pacchetto
 PT - Para os pesos, ver o equipamento relevante
 NL - Voor gewichten, zie het relevante pakket

GOLD 004/005, 007/008 split version
GOLD 011/012, 014/020, 025/030, 035/040, 050/060



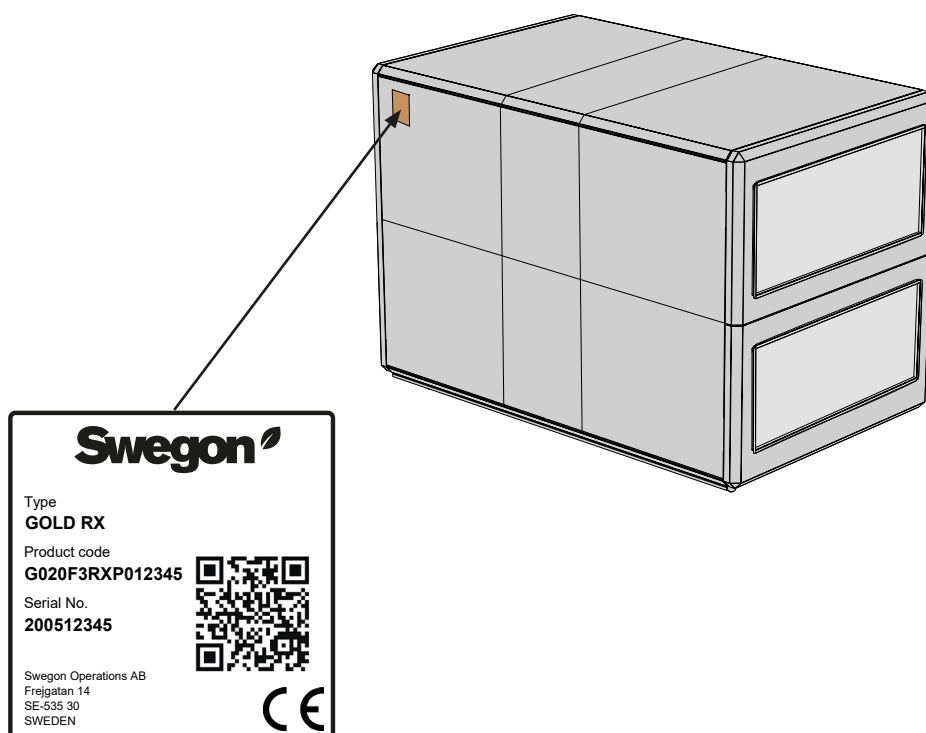
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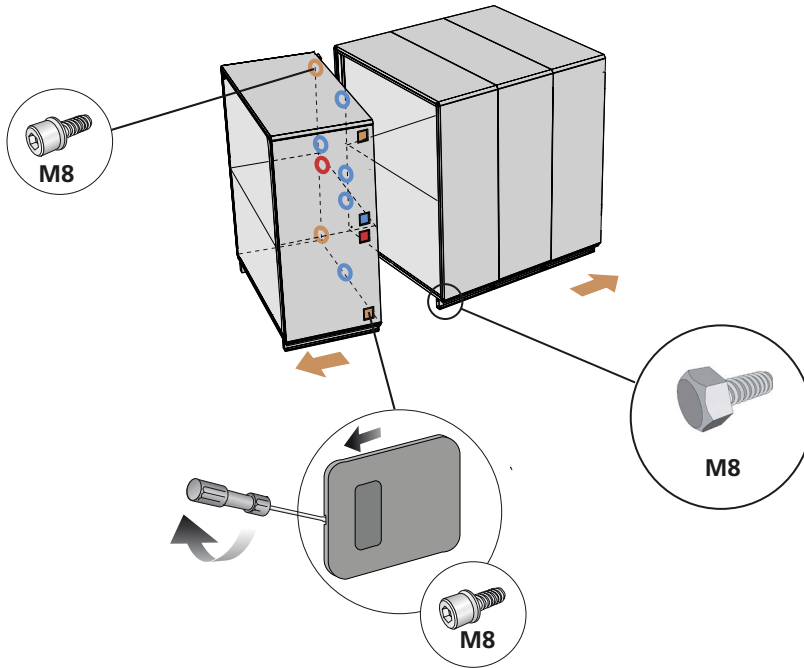


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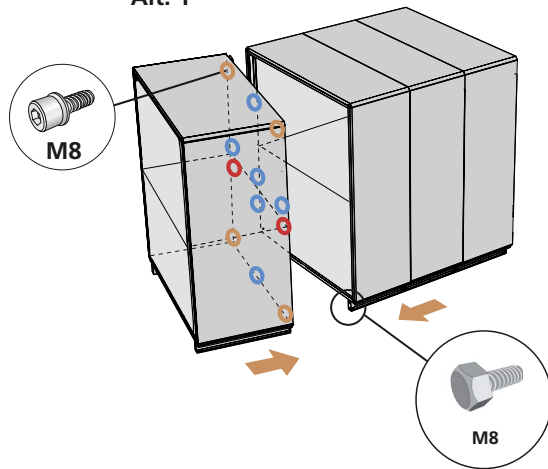
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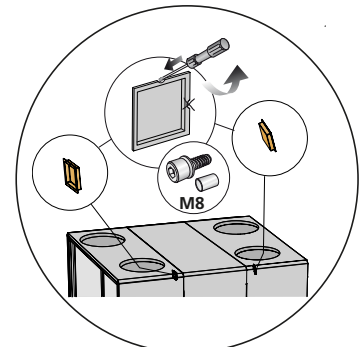
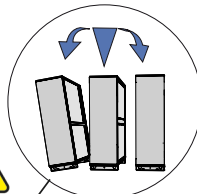
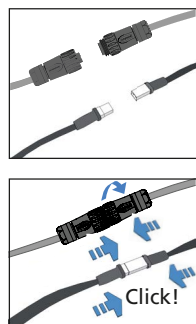
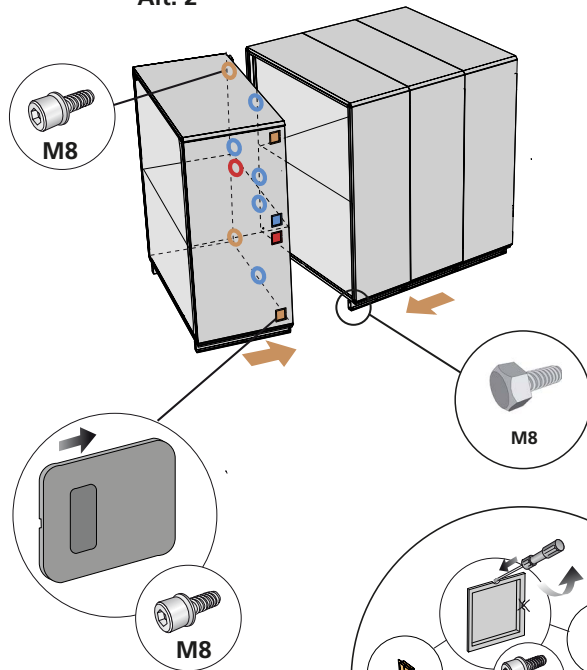
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 GOLD 035/040, 035+/040+, 050/060, 050+/060+ ○
 GOLD 070/080 ○ ○ ○



Alt. 1

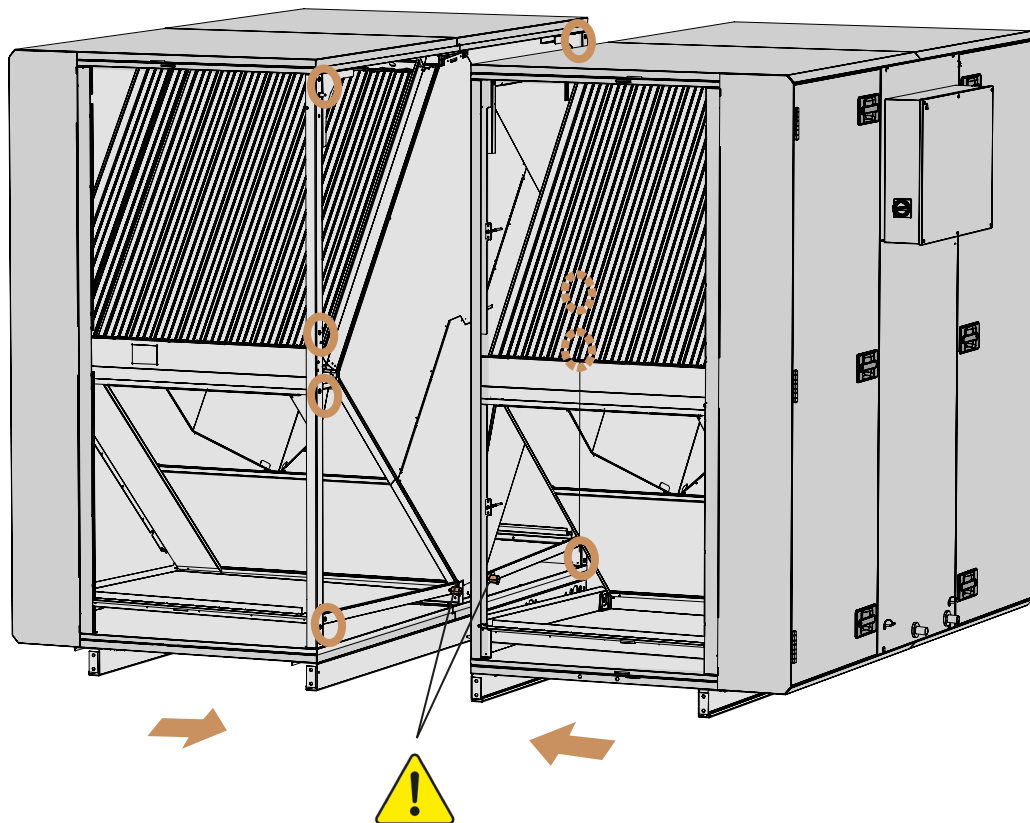


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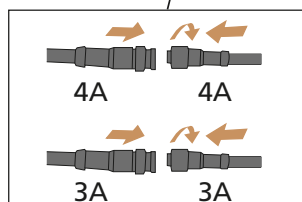
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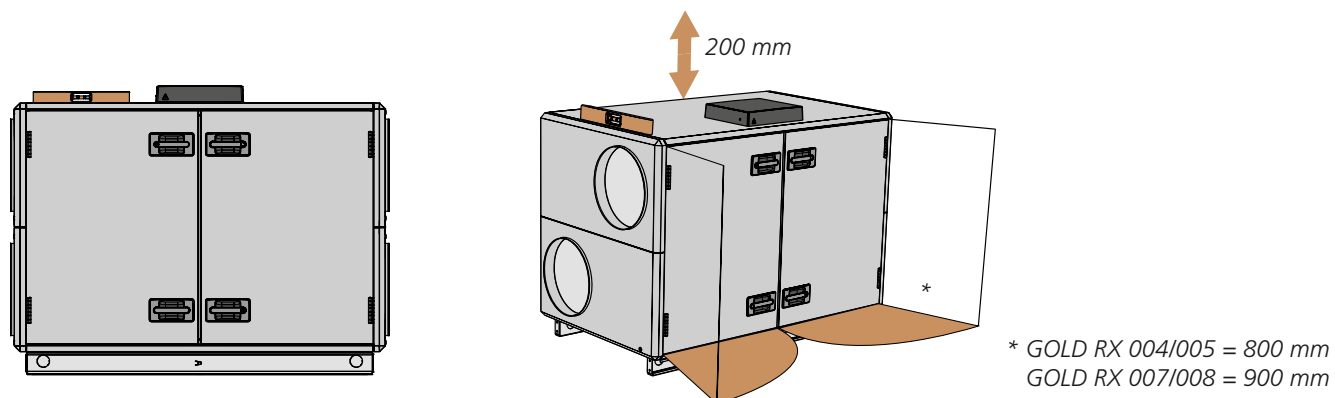
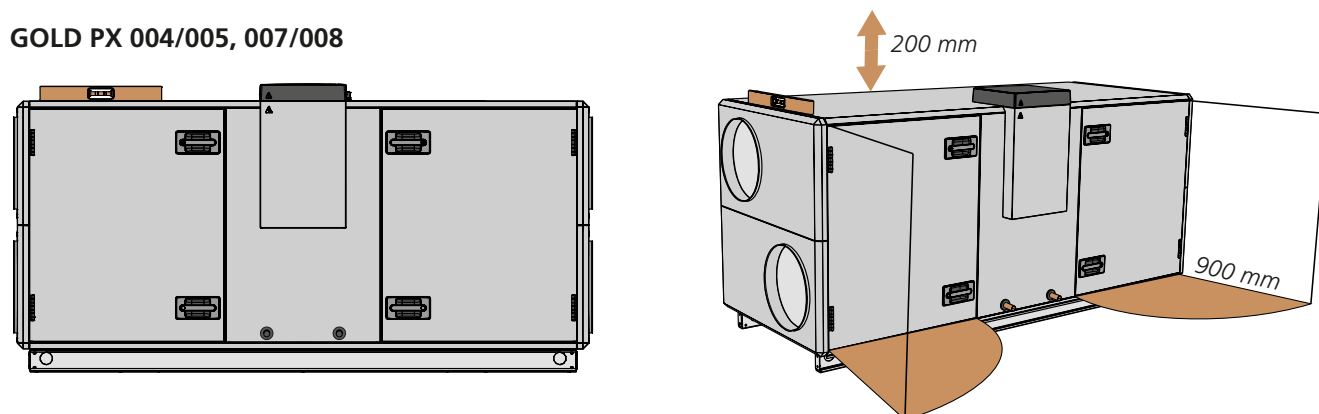
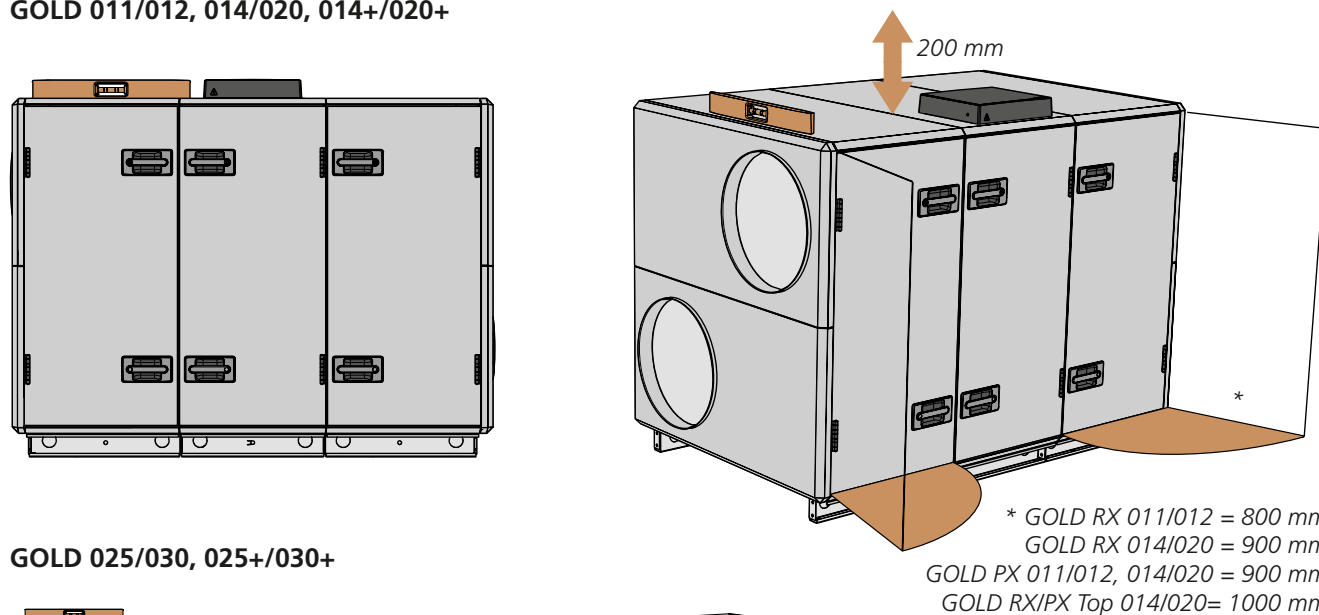
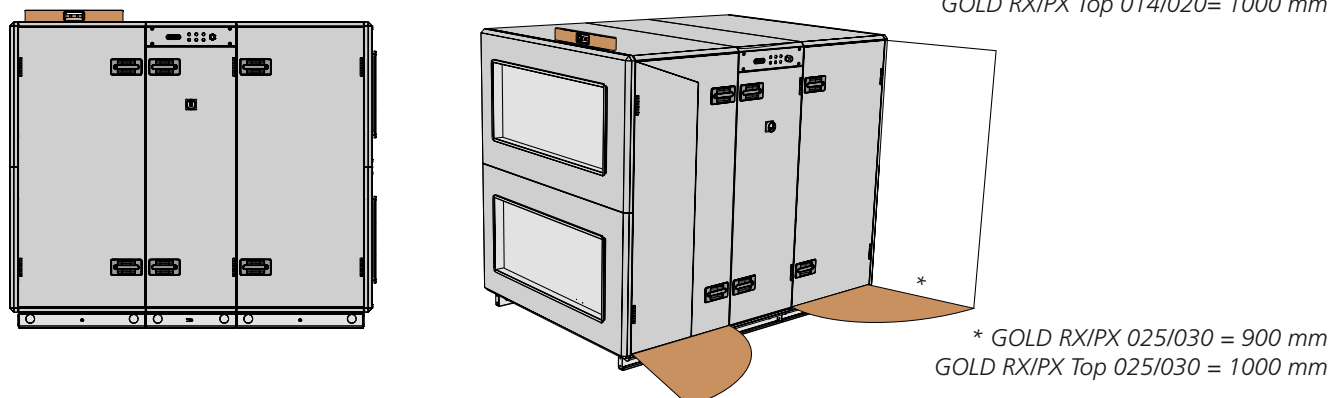
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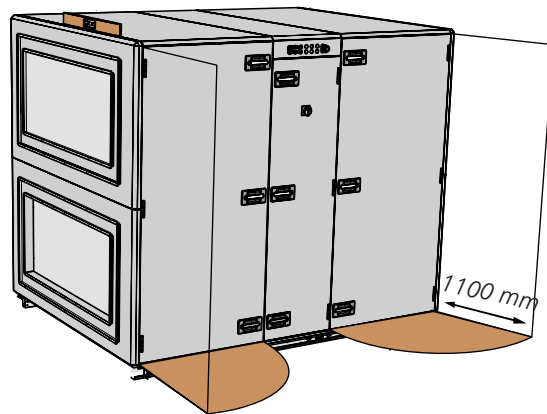
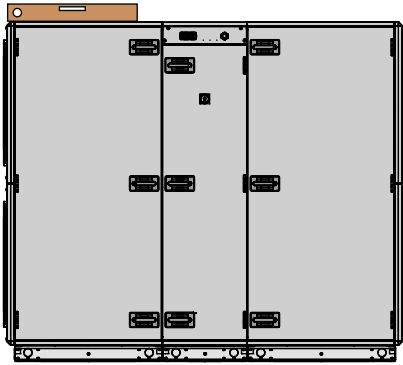
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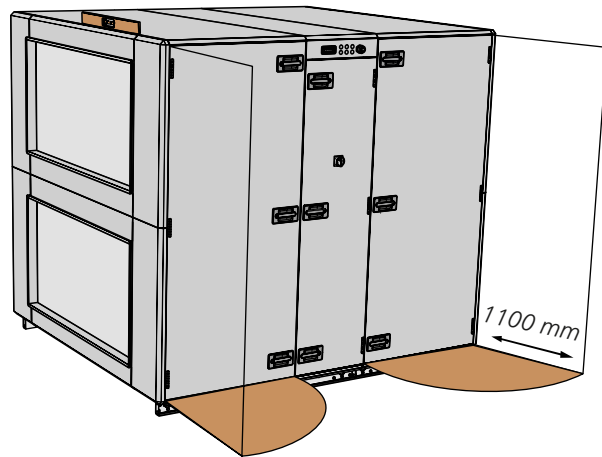
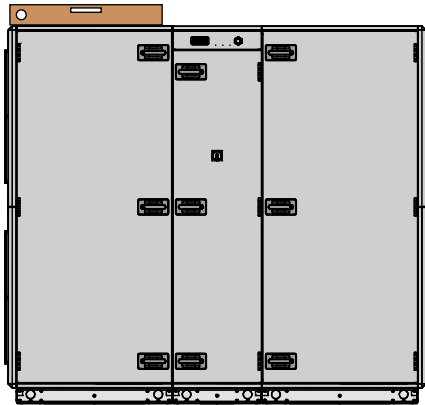


GOLD RX 004/005, 007/008**GOLD PX 004/005, 007/008****GOLD 011/012, 014/020, 014+/020+****GOLD 025/030, 025+/030+**

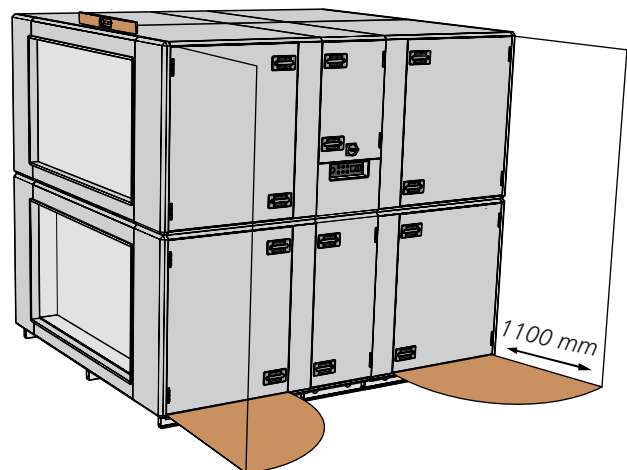
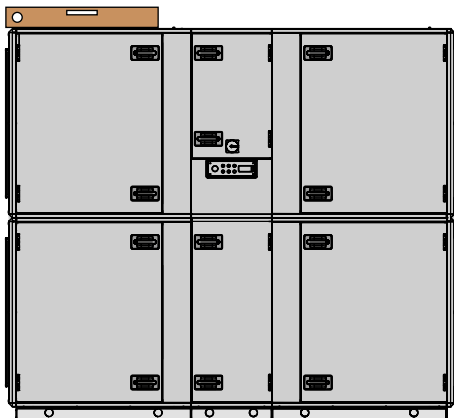
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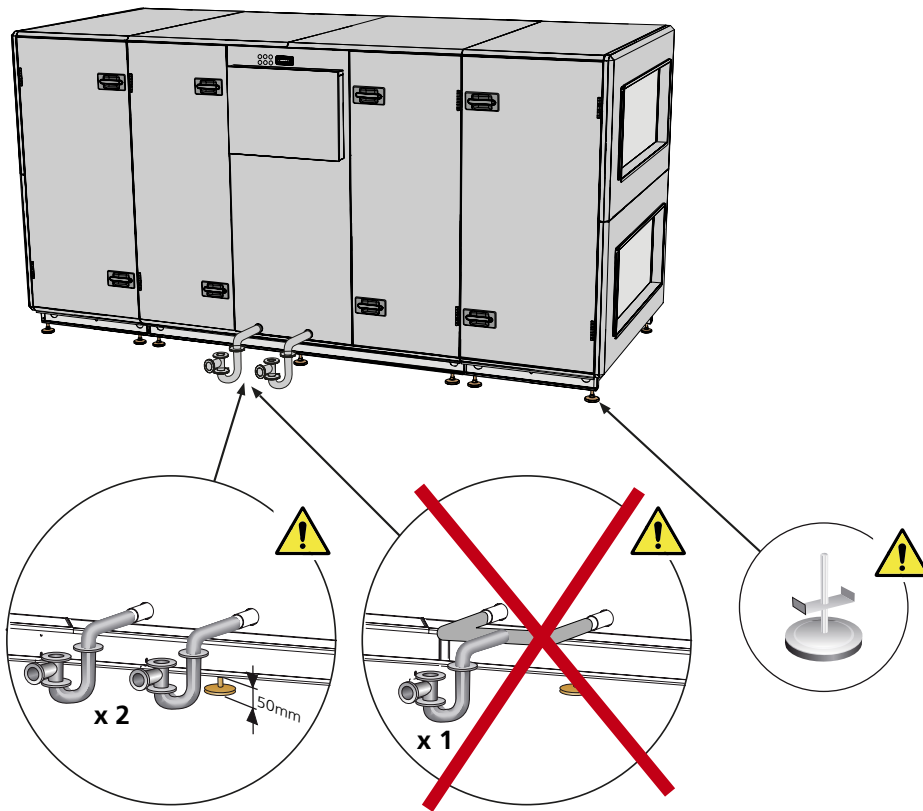
GOLD 050/060, 050+/060+



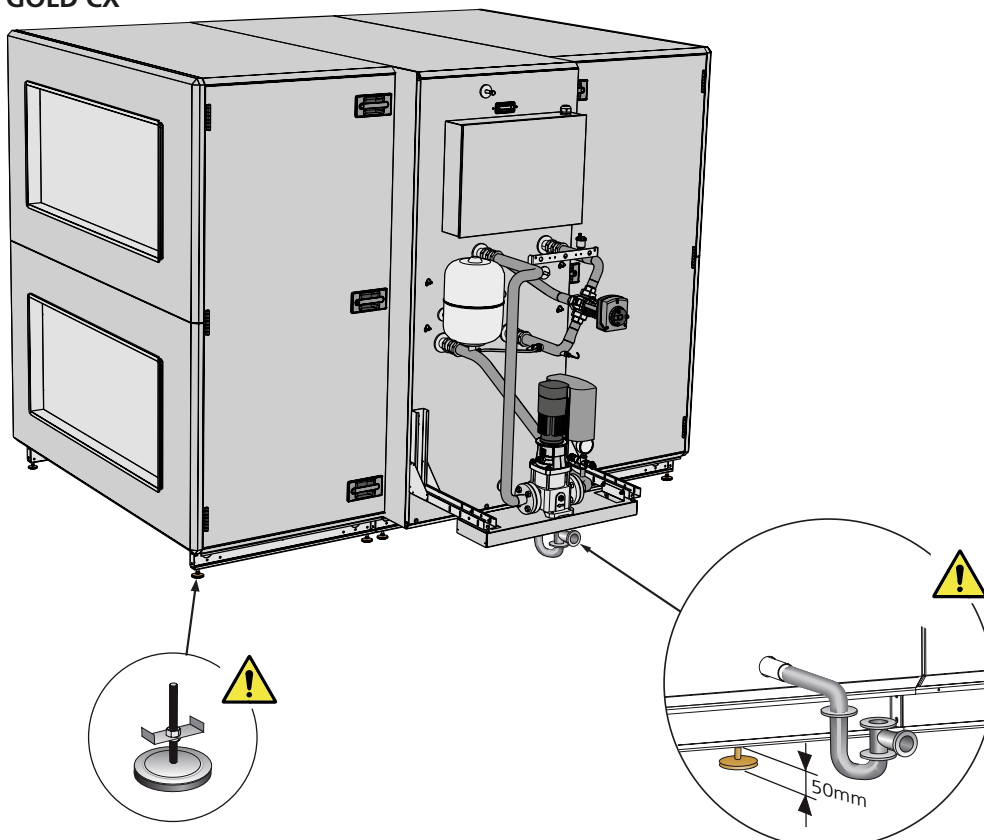
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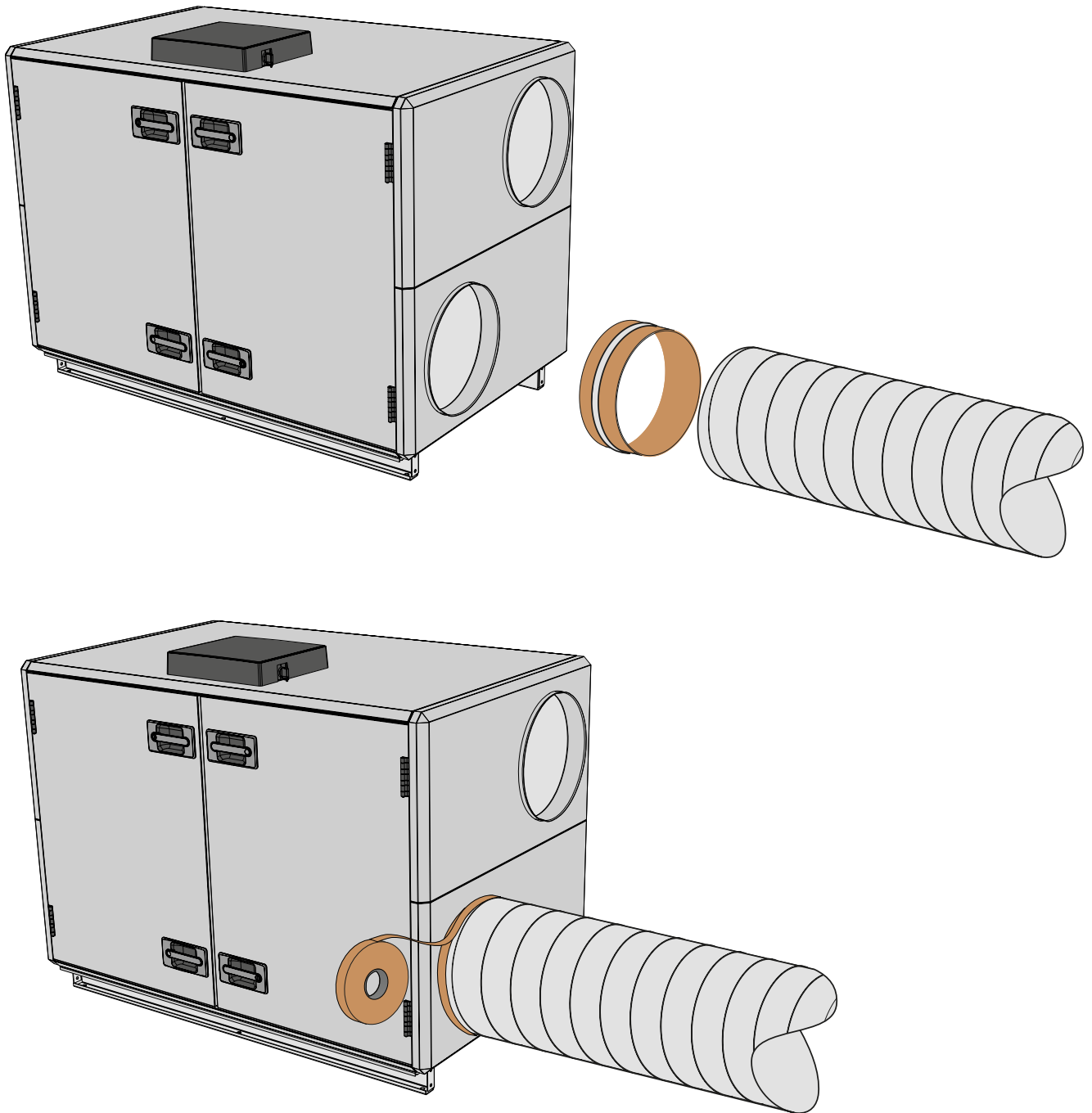
GOLD PX



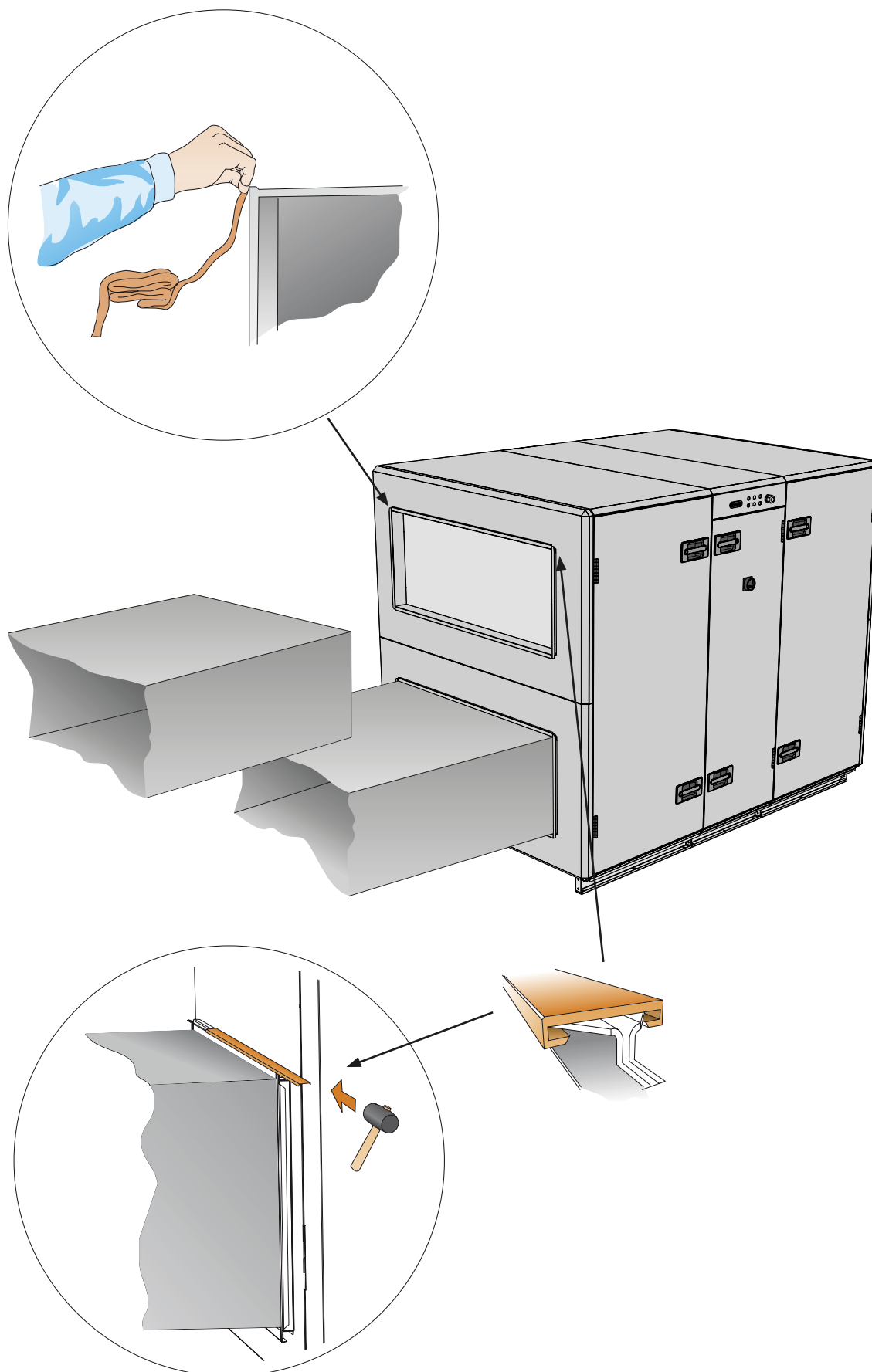
GOLD CX



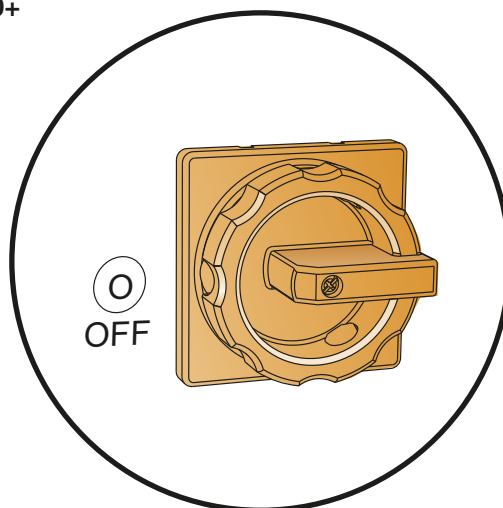
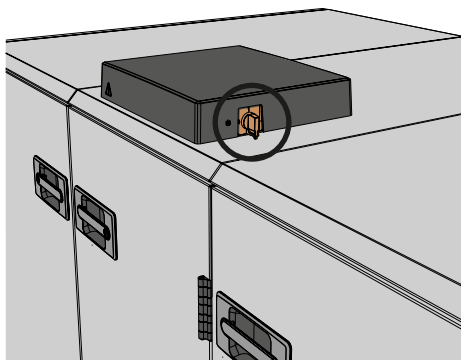
GOLD 004/005, 007/008, 011/012



GOLD 004/005, 007/008, 011/012, 014/020, 014+/020+, 025/030, 025+/030+, 035/040, 035+/040+, 050/060, 050+/060+, 070/080



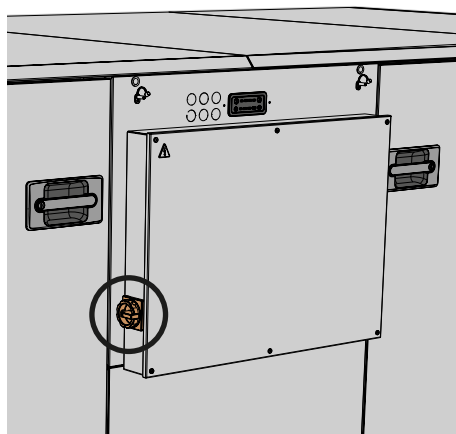
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GOLD PX 004/005, 007/008, 011/012, 014/020**



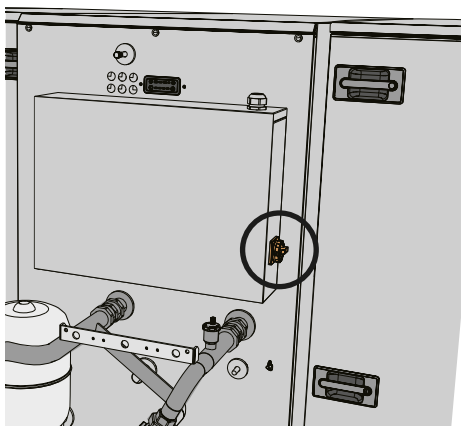
**GOLD RX 025/030, 025+/030+, 035/040,
035+/040+, 050/060, 050+/060+, 070/080**



GOLD PX 025/030, 035/040, 040+, 050+/060+, 070/080

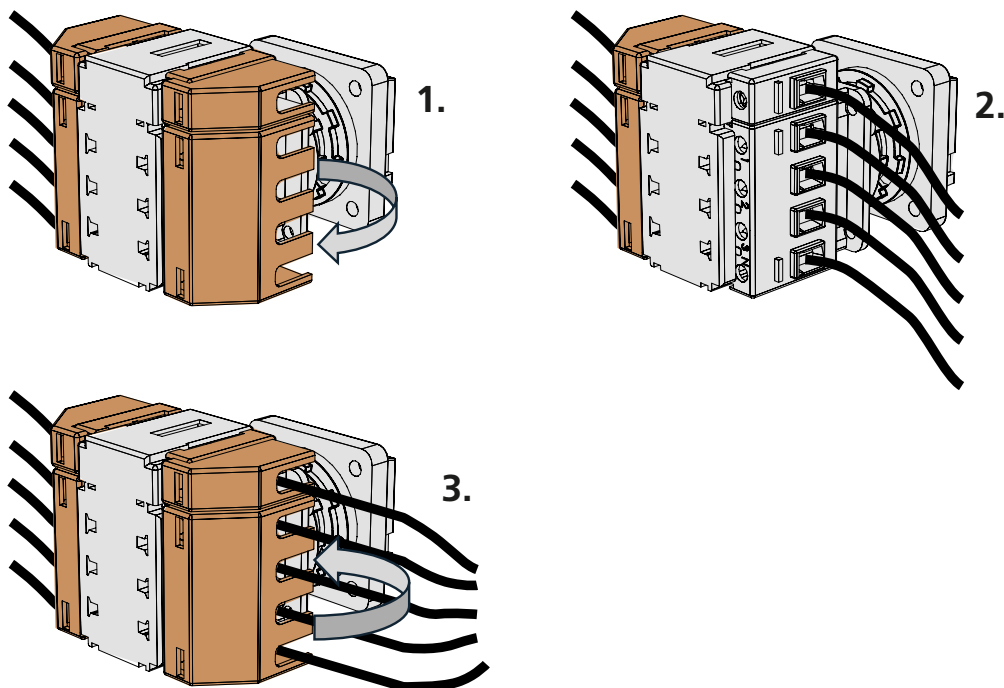


GOLD CX 035/040, 050/060, 070/080

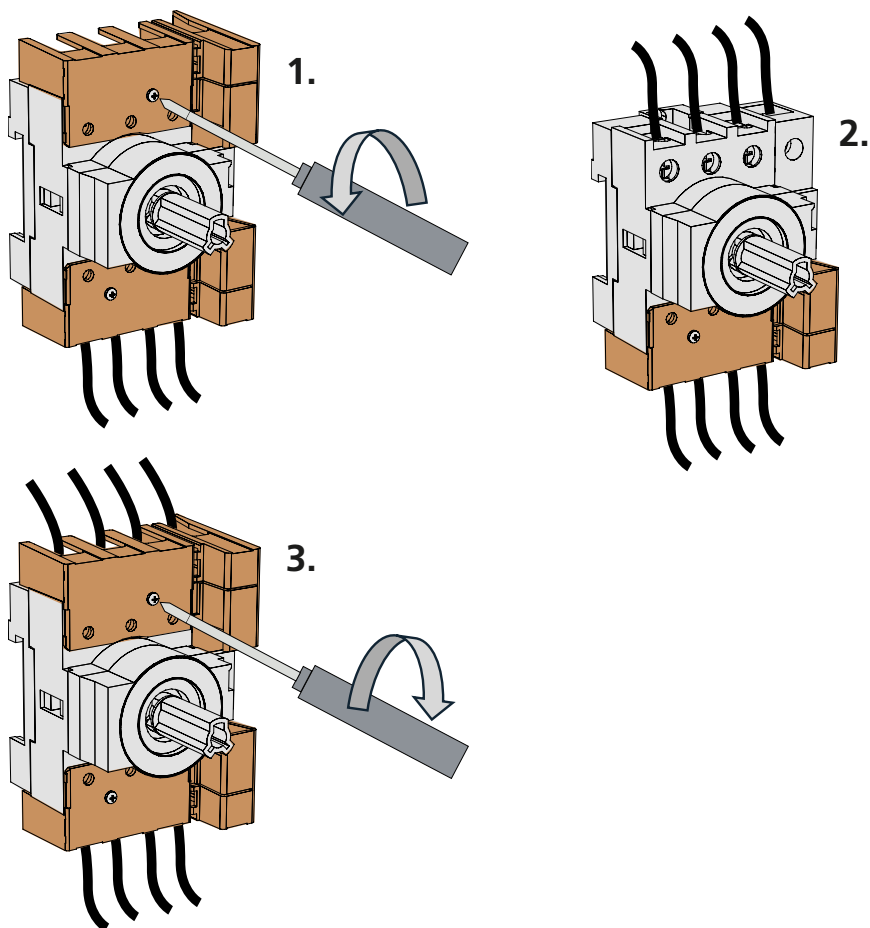


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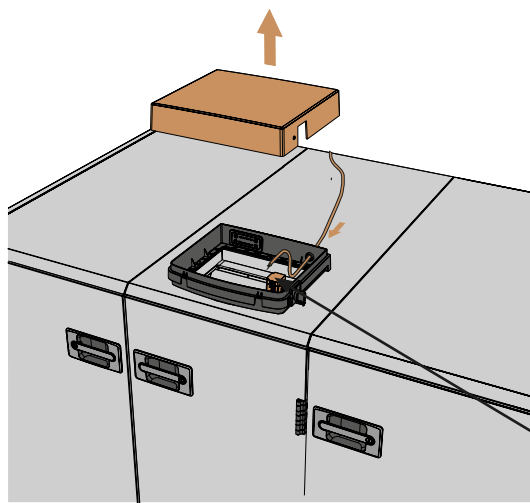
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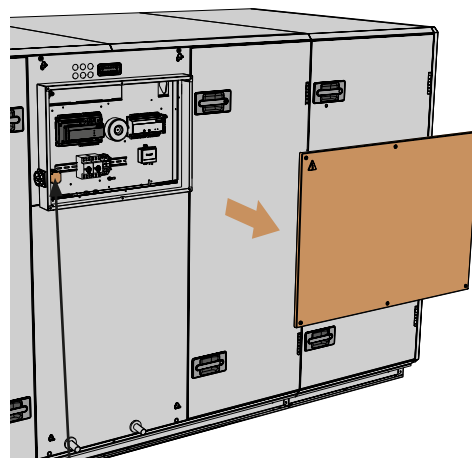
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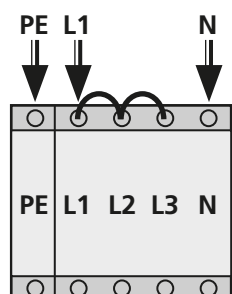
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GOLD PX 004/005, 007/008, 011/012, 014/020**



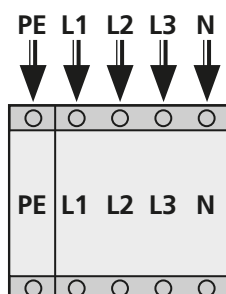
**GOLD PX 025/030, 035/040, 040+,
050+/060+, 070/080**



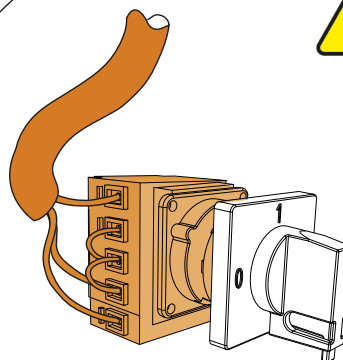
**GOLD RX 004/005, 007,
008 cap. var. 1, 011 cap. var. 1
GOLD PX 004/005, 007,
008 cap. var. 1, 011 cap. var. 1
1-phase, 3-wire, 230V
-10/+15%, 50Hz**



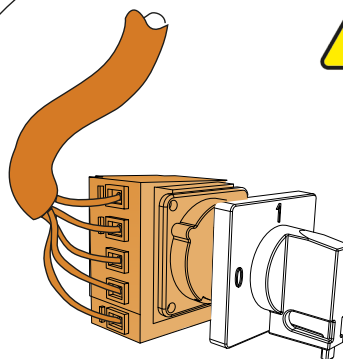
**GOLD RX 004/005, 007/008,
011/012, 014/020, 014+/020+
GOLD PX 004/005, 007/008,
011/012, 014/020, 025/030,
035/040, 040+, 050+/060+,
070/080
3-phase, 5-wire, 400V
-10/+15%, 50Hz**



230V

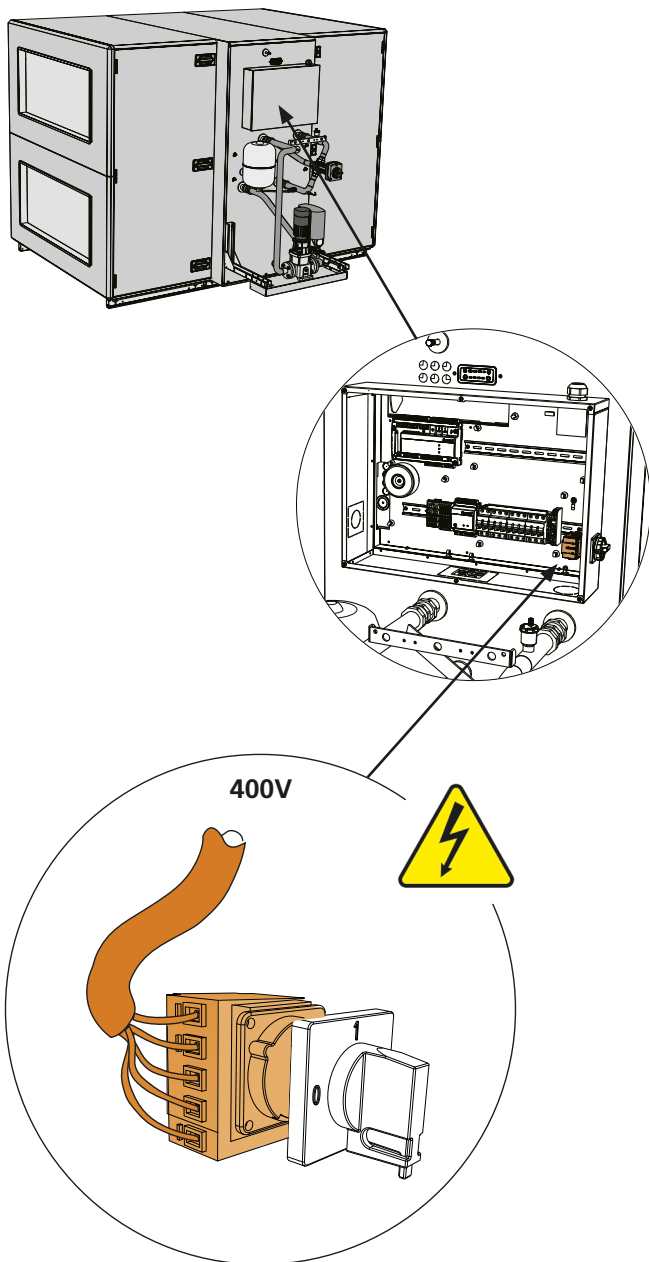


400V

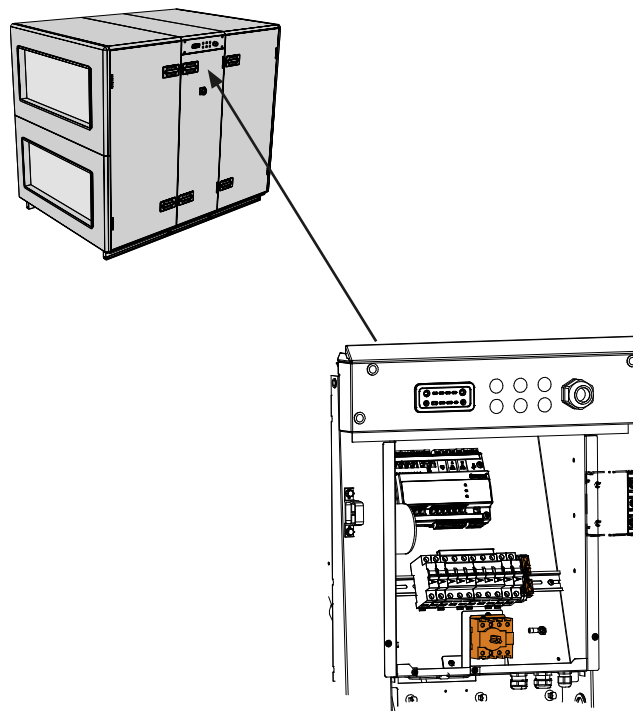


- EN - For the size of fuse protection, see the Operation & Maintenance Instructions
SE - För storlek på säkring, se Drift & skötselanvisning
DE - Für die Größe der Sicherung, siehe die Betriebs- und Wartungsanleitung
FR - Pour le dimensionnement du fusible, se reporter aux instructions d'installation et d'entretien.
NO - For størrelse på sikring se Drifts- og vedlikeholdsanvisning
DK - For sikringsstørrelse, se Drifts- & vedligeholdelsesvejledning
FI - Varokekoot, katso Käyttö- ja hoito-ohje
PL - Rozmiary bezpieczników podano w instrukcji obsługi i konserwacji
RU - Размер плавкого предохранителя, см. Руководство по эксплуатации и обслуживанию.
ES - Para ver el tamaño de los fusibles de protección, consulte las Instrucciones de uso y mantenimiento
IT - Per le dimensioni della protezione fusibili, consultare le istruzioni Funzionamento e manutenzione
PT - Para saber os valores adequados para a proteção por fusível, consulte as instruções de operação e manutenção.
NL - Voor het type bescherming van de zekering, zie de bedrijfs- en onderhoudsinstructies

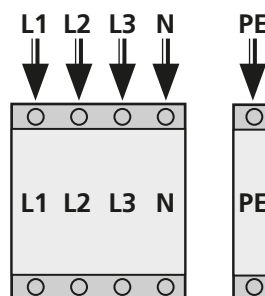
GOLD CX 035/040, 050/060, 070/080



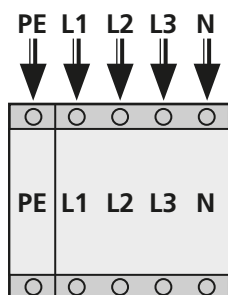
GOLD RX 025/030, 025+/030+, 035/040, 035+/040+, 050/060, 050+/060+,



GOLD RX 025/030, 025+/030+, 035/040, 035+/040+, 050/060, 050+/060+,
3-phase, 5-wire, 400V -10/+15%, 50Hz



GOLD CX 035/040, 050/060, 070/080
3-phase, 5-wire, 400V -10/+15%, 50Hz



EN - For the size of fuse protection, see the Operation & Maintenance Instructions

SE - För storlek på säkring, se Drift & skötselanvisning

DE - Für die Größe der Sicherung, siehe die Betriebs- und Wartungsanleitung

FR - Pour le dimensionnement du fusible, se reporter aux instructions d'installation et d'entretien.

NO - For størrelse på sikring se Drifts- og vedlikeholdsanvisning

DK - For sikringsstørrelse, se Drifts- & vedligeholdelsesvejledning

FI - Varokekoot, katso Käyttö- ja hoito-ohje

PL - Rozmiary bezpieczników podano w instrukcji obsługi i konserwacji

RU - Размер плавкого предохранителя, см. Руководство по эксплуатации и обслуживанию.

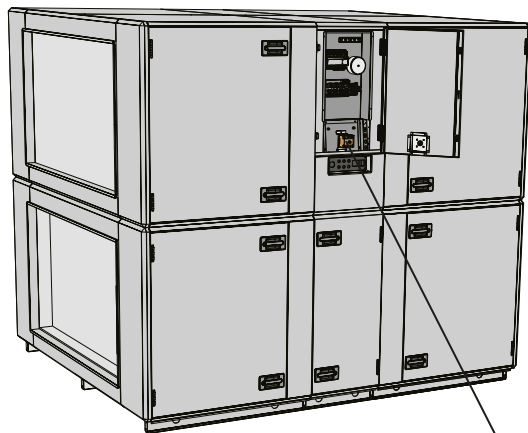
ES - Para ver el tamaño de los fusibles de protección, consulte las Instrucciones de uso y mantenimiento

IT - Per le dimensioni della protezione fusibili, consultare le istruzioni Funzionamento e manutenzione

PT - Para saber os valores adequados para a proteção por fusível, consulte as instruções de operação e manutenção.

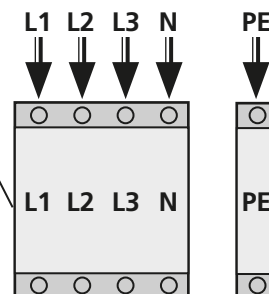
NL - Voor het type bescherming van de zekering, zie de bedrijfs- en onderhoudsinstructies

GOLD RX 070/080



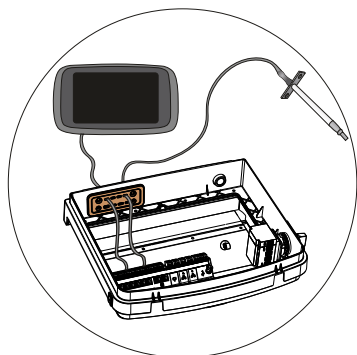
GOLD RX 70/80

3-phase, 5-wire, 400V -10/+15%, 50Hz

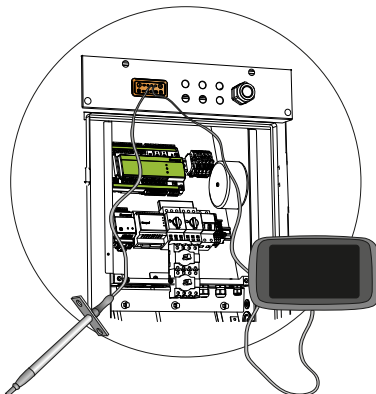


- EN - For the size of fuse protection, see the Operation & Maintenance Instructions
- SE - För storlek på säkring, se Drift & skötselanvisning
- DE - Für die Größe der Sicherung, siehe die Betriebs- und Wartungsanleitung
- FR - Pour le dimensionnement du fusible, se reporter aux instructions d'installation et d'entretien.
- NO - For størrelse på sikring se Drifts- og vedlikeholdsanvisning
- DK - For sikringsstørrelse, se Drifts- & vedligeholdelsesvejledning
- FI - Varokekoot, katso Käyttö- ja hoito-ohje
- PL - Rozmiary bezpieczników podano w instrukcji obsługi i konserwacji
- RU - Размер плавкого предохранителя, см. Руководство по эксплуатации и обслуживанию.
- ES - Para ver el tamaño de los fusibles de protección, consulte las Instrucciones de uso y mantenimiento
- IT - Per le dimensioni della protezione fusibili, consultare le istruzioni Funzionamento e manutenzione
- PT - Para saber os valores adequados para a proteção por fusível, consulte as instruções de operação e manutenção.
- NL - Voor het type bescherming van de zekering, zie de bedrijfs- en onderhoudsinstructies

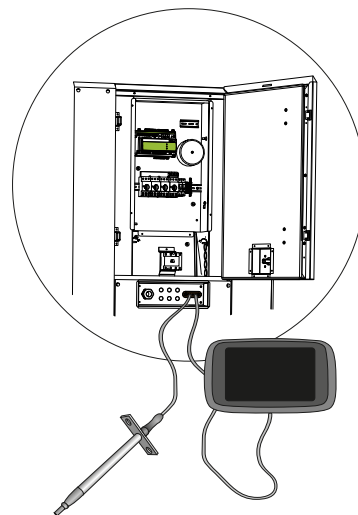
GOLD RX 004/005, 007/008,
011/012, 014/020, 014+/020+
GOLD PX 004/005, 007/008,
011/012, 014/020



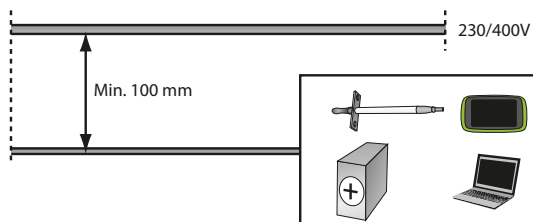
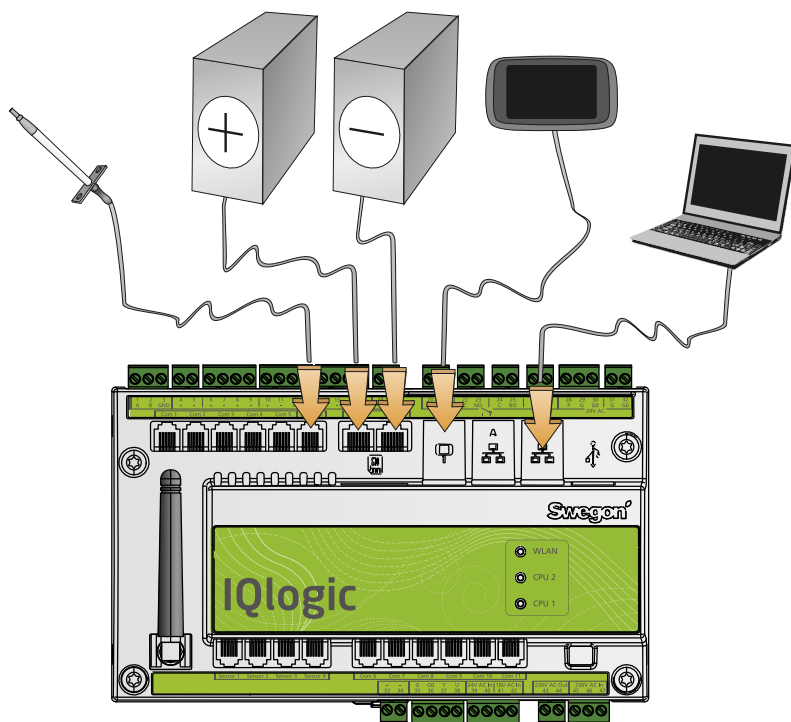
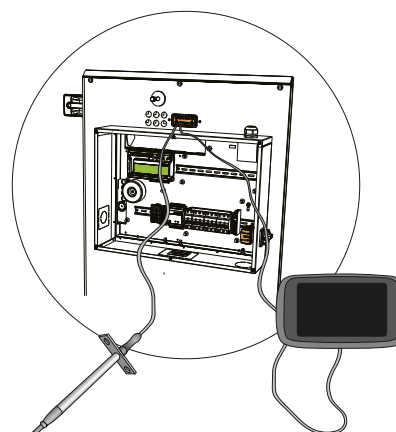
GOLD RX 025/030, 025+/030+, 035/040,
035+/040+, 050/060, 050+/060+,
GOLD PX 025/030, 035/040, 040+,
050+/060+, 070/080



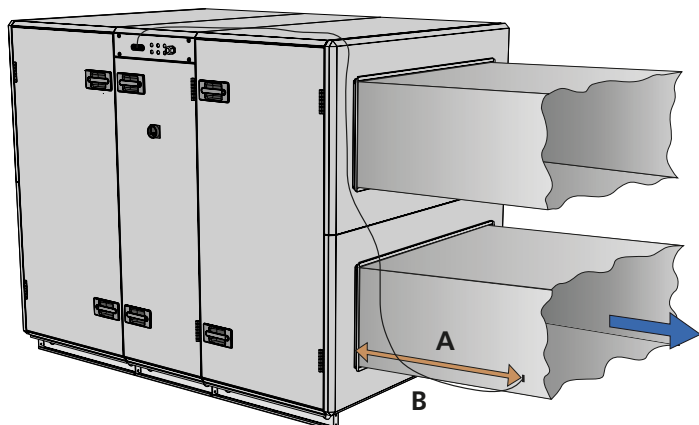
GOLD RX 070/080



GOLD CX 035/040,
050/060, 070/080



GOLD 004/005, 007/008, 011/012, 014/020, 014+/020+, 025/030,
025+/030+, 035/040, 035+/040+, 050/060, 050+/060+, 070/080

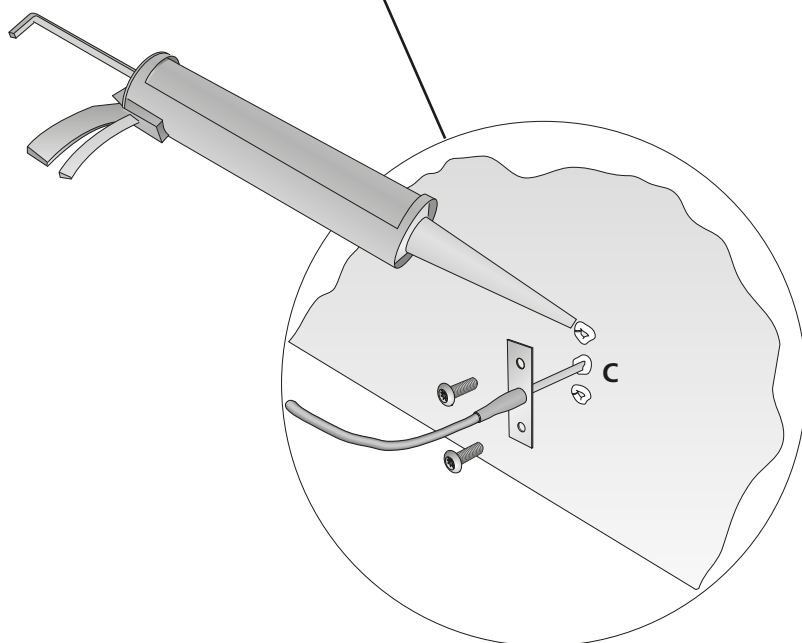
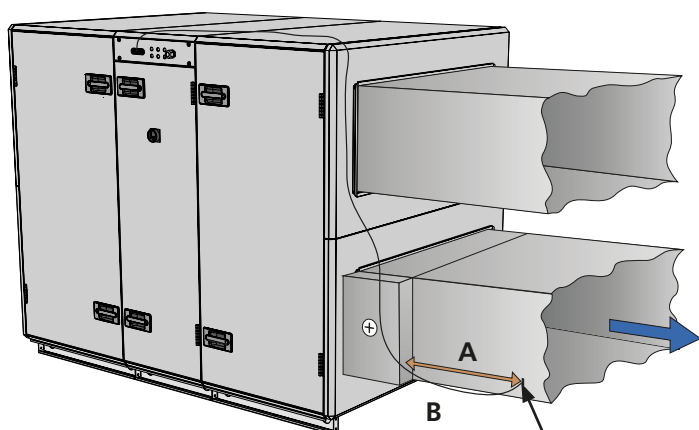


A $\geq$ 1 500 mm

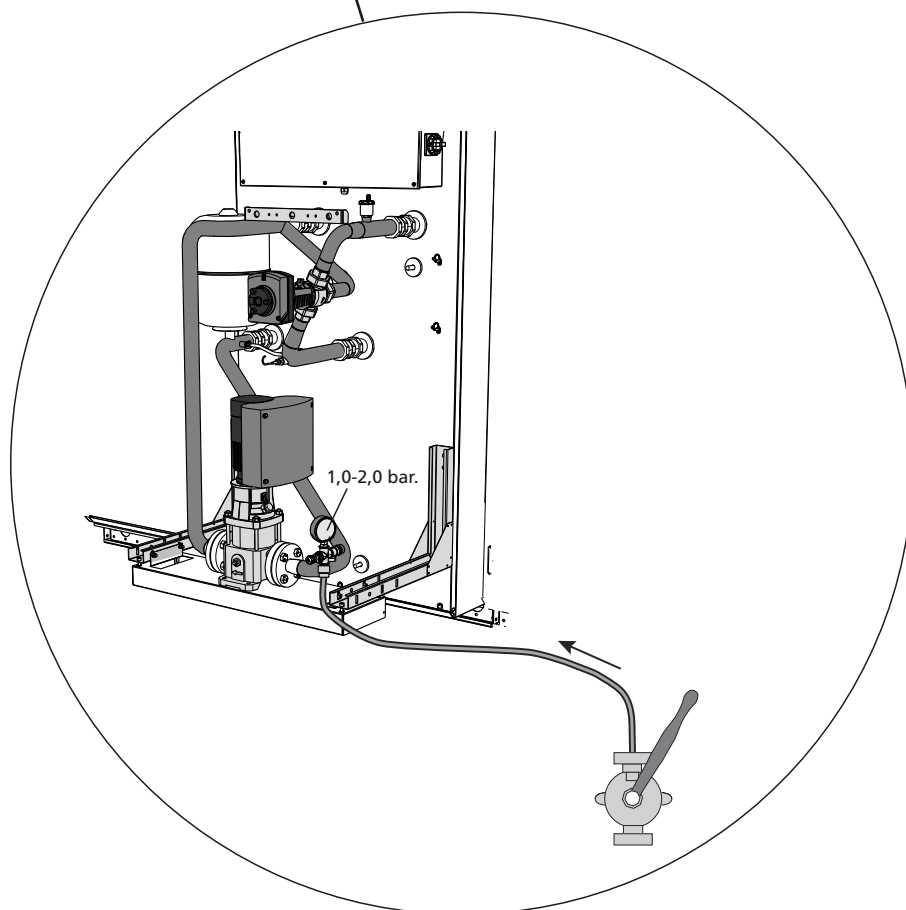
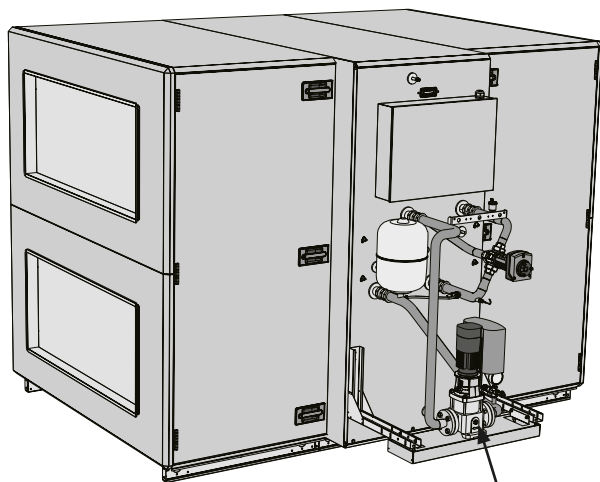
B = 7 000 mm (GOLD 004/005, 007/008, 011/012, 014/020, 014+/020+, 025/030, 025+/030+)

= 10 000 mm (GOLD 035/040, 040+, 050/060, 050+/060+, 070/080)

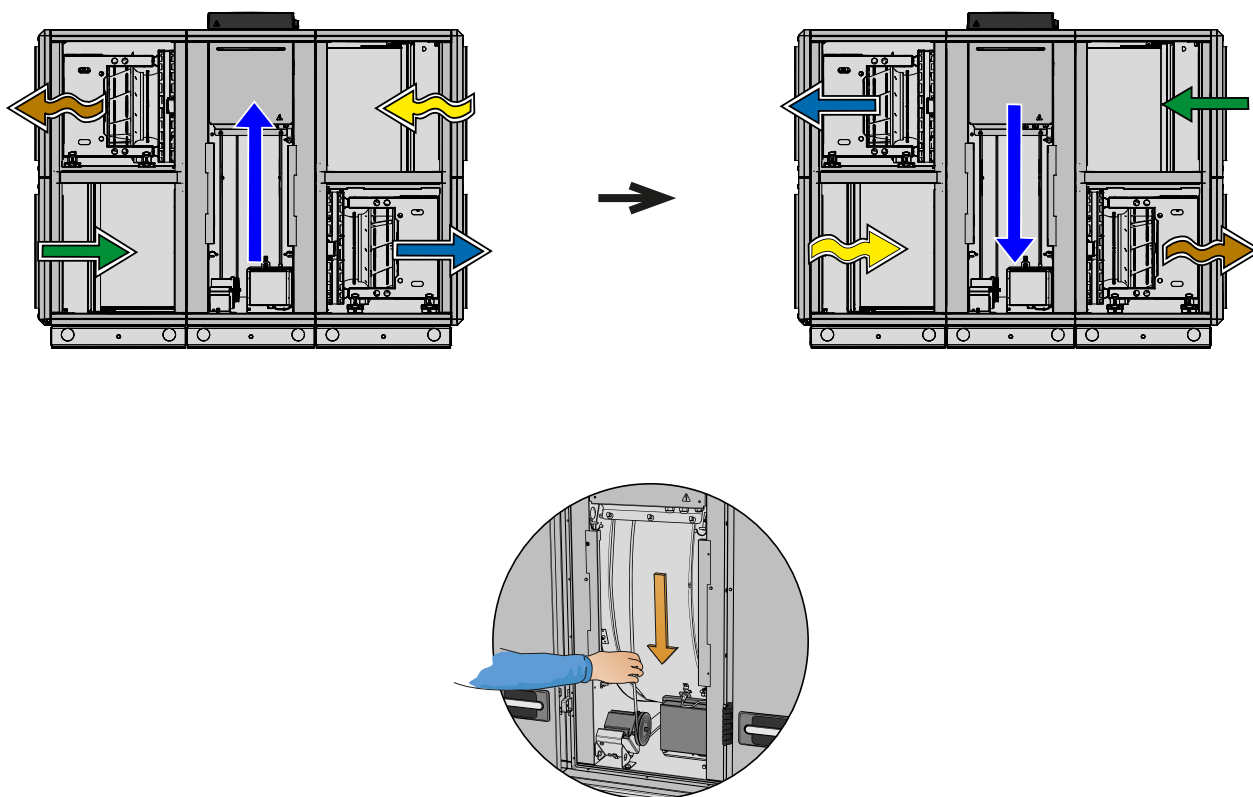
C = $\varnothing$ 11 mm



GOLD CX 35/40, 50/60, 70/80



GOLD RX 004/005, 007/008, 011/012, 014/020, 014+/020+, 025/030,
025+/030+, 035/040, 035+/040+, 050/060, 050+/060+, 070/080



EN - See Section 4.10 in the GOLD Function Manual, Installation.

SE - Se avsnitt 4.10 i GOLD Funktionsmanual installation.

DE - Siehe Abschnitt 4.10 im GOLD-Funktionshandbuch zur Installation.

FR - Voir la Section 4.10 du manuel des fonctions GOLD, Installation.

NO - Se avsnitt 4.10 i GOLD Funksjonsmanual installasjon.

DK - Se afsnit 4.10 i GOLD Funktionsmanual installation.

FI - Katso luku 4.10 GOLD Asennustason ohjekirjassa.

PL - Patrz rozdział 4.10 w Instrukcji instalacji GOLD.

RU - См. раздел 4.10 в инструкции описания функций GOLD.

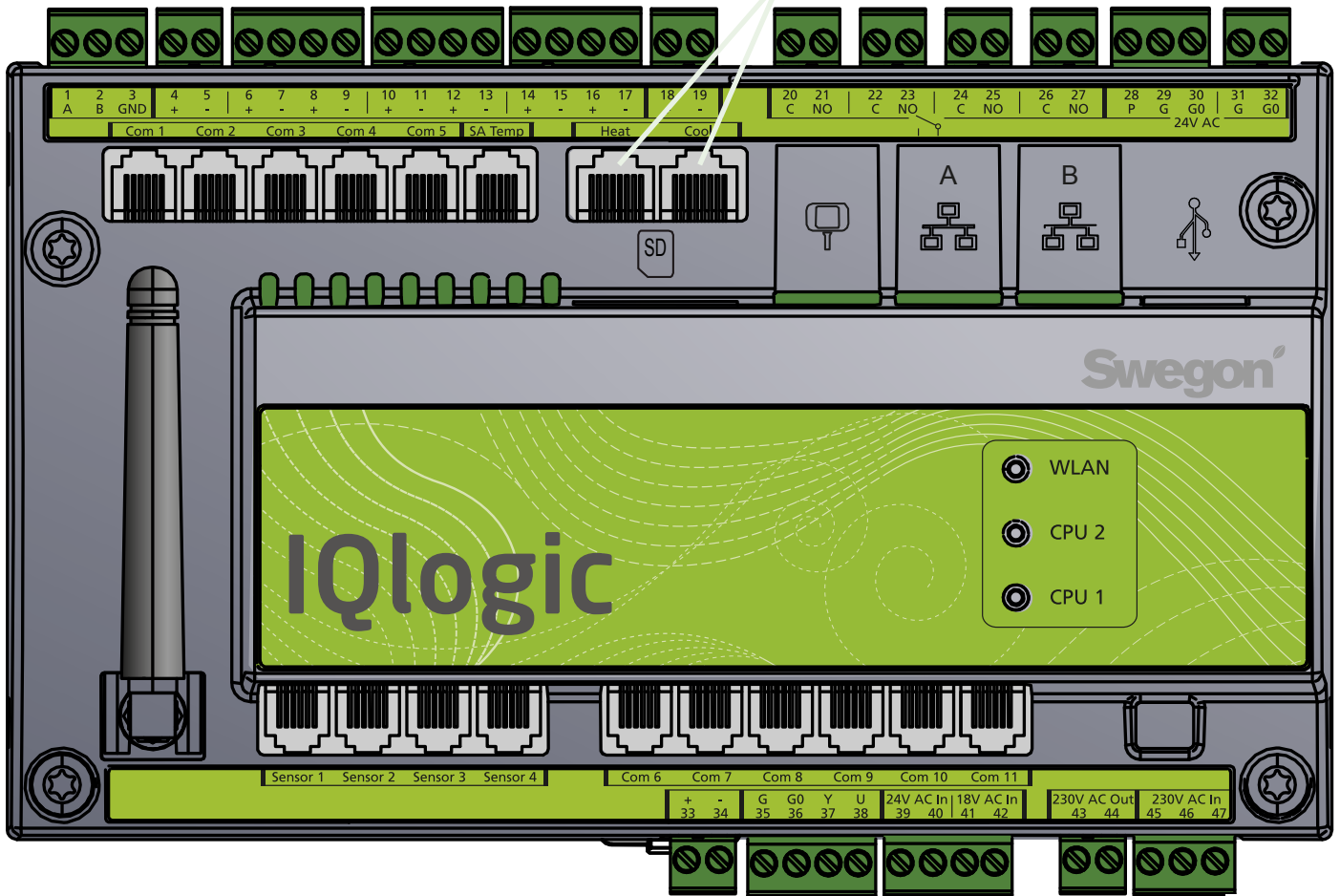
ES - Consulte la Sección 4.10 del "Manual de funcionamiento, Instalación" de GOLD.

IT - Vedere la sezione 4.10 del Manuale delle funzioni GOLD, Installazione.

PT - Ver Secção 4.10 no Manual de funcionamento GOLD, Instalação.

NL - Zie Sectie 4.10 in de GOLD-functiehandleiding, Installatie.

The max. permissible load on the corresponding connection is 16 VA.



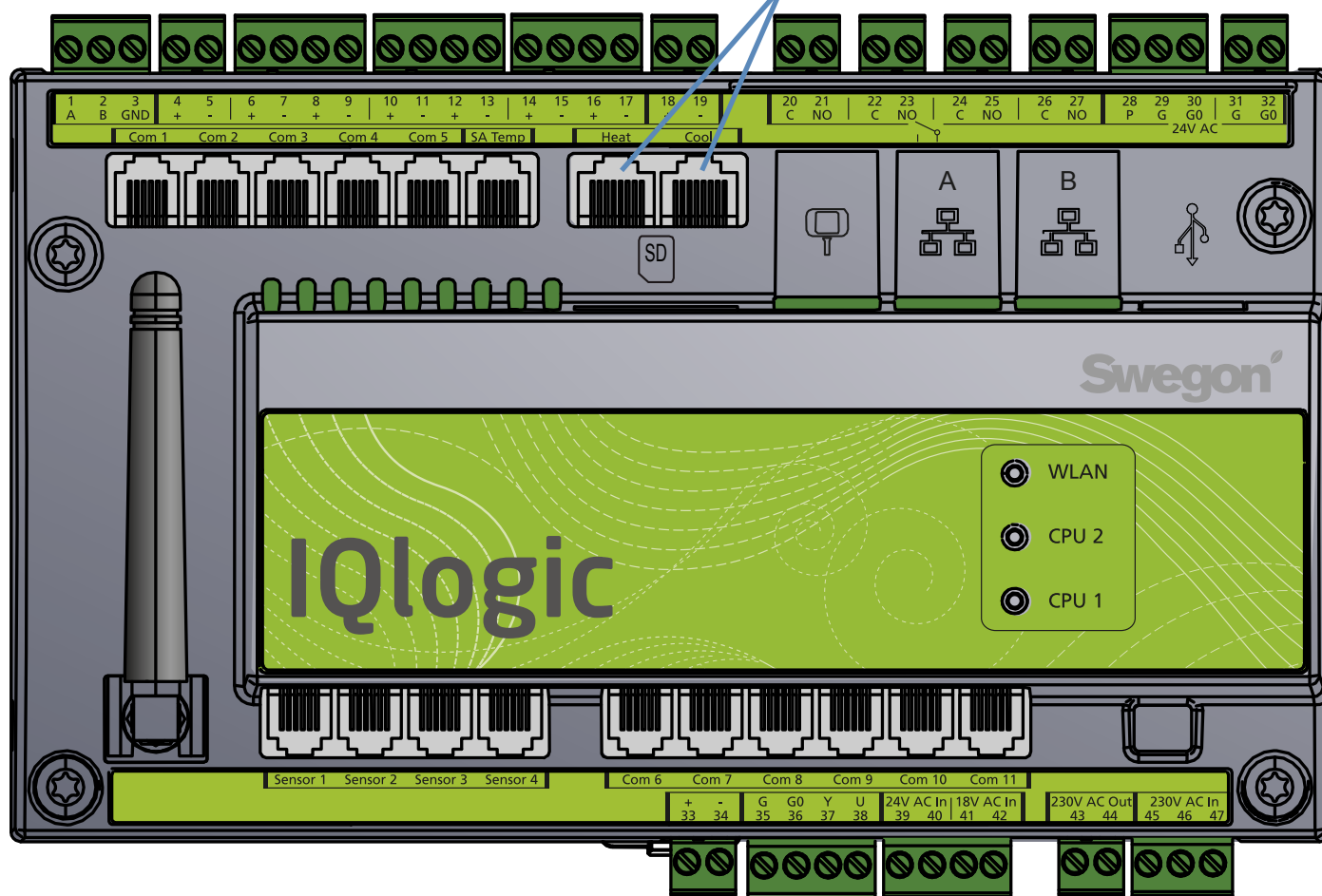
Digital inputs, terminals 4-17, are of extra-low voltage type.
Analogue inputs, terminals 18-19 have an input impedance of 66 kΩ.



Wiring terminal	Function	Remarks
1,2,3	Connections for EIA -485	1= Communication connection A/RT+, 2= Communication connection B/RT-, 3= GND/COM.
4,5	External stop	Stops the air handling unit by opening the circuit. On delivery, this function is fitted with a jumper. If the connection is interrupted, the air handling unit will stop.
6,7	External fire/smoke function 1	External fire and smoke function. On delivery, this function is fitted with a jumper. If the connection is interrupted, the function will trip and initiate an alarm.
8,9	External fire/smoke function 2	External fire and smoke function. On delivery, this function is fitted with a jumper. If the connection is interrupted, the function will trip and initiate an alarm.
10,11	External alarm 1	External contact function. Optional: Normally open/normally closed.
12,13	External alarm 2	External contact function. Optional: Normally open/normally closed.
14,15	External low speed	External contact function. Overrides the time switch from stop to low speed operation.
16,17	External high speed	External contact function. Overrides the time switch from stop or low speed to high speed operation.
18,19	Demand control	Input for 0-10 VDC. The input signal influences the supply air/extract airflow setpoint if the unit is operating in the demand control mode. For connection of a sensor, for example CO ₂ , CO and VOC
20,21	Circulation pump, heating circuit	Independent contact, max. 5 A/AC1, 2 A/AC3, 250 VAC. Closes on a heating load.
22,23	Circulation pump, cooling circuit or cooling on/off, 1-step operation	Independent contact, max. 5 A/AC1, 2 A/AC3, 250 VAC. Closes on a cooling load.
24,25	Cooling, on/off, 2-step operation	Independent contact, max. 5 A/AC1, 2 A/AC3, 250 VAC. Closes on a cooling load.
26,27	In-service indication	Independent contact, max. 5 A/AC1, 2 A/AC3, 250 VAC. Closes when the unit is operating.
28,29,30	Damper control	24 VAC. 28= Controlled 24 VAC (G), 29= 24 VAC (G), 30= 24 VAC (G0).
31,32	Control voltage	24 VAC control voltage. Terminals 31-32 are loaded with a total of 16 VA. Opened by means of the safety isolating switch.
33,34	Reference voltage	Output for constant 10 VDC. Max. permissible load: 8 mA.
35,36,37,38	Control, recirculation damper	The recirculation damper can be loaded with max. 2 mA at 10 VDC. 35= 24 V AC (G), 36= 24 V AC (G0), 37= 0-10 V DC control signal, 38= 0-10 VDC feedback signal.

The max permissible common load on terminals 31-32, outputs for Heat/Cool and damper output (terminals 28-30) is 50 VA.

Respektive anslutning får belastas med max 16 VA.



Digitala ingångar, plint 4-17, är av typ klenspänning.
Analog ingång, plint 18-19 har ingångsimpedans 66 kΩ.



Plint	Funktion	Kommentar
1,2,3	Anslutningar för EIA-485	1= kommunikationsanslutning A/RT+, 2= kommunikationsanslutning B/RT-, 3= GND/COM.
4,5	Externt stopp	Stopp av aggregat via brytande kontakt. Byglad vid leverans. Bryts förbindelsen stoppar aggregatet.
6,7	Extern brand-/rökfunktion 1	Extern brand- och rökfunktion. Byglad vid leverans. Bryts förbindelsen utlöses funktionen och larmar.
8,9	Extern brand-/rökfunktion 2	Extern brand- och rökfunktion. Byglad vid leverans. Bryts förbindelsen utlöses funktionen och larmar.
10,11	Externt larm 1	Extern kontaktfunktion. Valbar slutande/brytande.
12,13	Externt larm 2	Extern kontaktfunktion. Valbar slutande/brytande.
14,15	Extern lågfart	Extern kontaktfunktion. Överstyr kopplingsuret från stopp till lågfartsdrift.
16,17	Extern högfart	Extern kontaktfunktion. Överstyr kopplingsuret från stopp eller lågfart till högfartsdrift.
18,19	Behovsstyrning	Ingång 0-10 VDC. Insignal påverkar flödesbörvärden för tilluft/frånluft vid behovsreglering. För anslutning av givare, till exempel CO ₂ , CO och VOC
20,21	Cirkulationspump värme	Friliggande kontakt, max 5 A/AC1, 2 A/AC3, 250 VAC. Sluter vid värmebehov.
22,23	Cirkulationspump kyla alt. kyla on/off 1 steg	Friliggande kontakt, max 5 A/AC1, 2 A/AC3, 250 VAC. Sluter vid kylbehov.
24,25	Kyla on/off, 2 steg	Friliggande kontakt, max 5 A/AC1, 2 A/AC3, 250 VAC. Sluter vid kylbehov.
26,27	Driftindikering	Friliggande kontakt, max 5 A/AC1, 2 A/AC3, 250 VAC. Sluter vid drift.
28,29,30	Spjällstyrning	24 VAC. 28= styrd 24 VAC (G), 29= 24 VAC (G), 30= 24 VAC (G0).
31,32	Manöverspänning ¹⁾	Manöverspänning 24 VAC. Plint 31-32 belastas med sammanlagt max 16 VA. Bryts av säkerhetsbrytaren.
33,34	Referensspänning	Utgång för konstant 10 VDC. Max belastning 8 mA.
35,36,37,38	Styrning recirkulationsspjäll	Recirkulationsspjäll belastas max 2 mA vid 10 VDC. 35= 24 VAC (G), 36= 24 VAC (G0), 37= styrsignal 0-10 VDC, 38= återföringssignal 0-10 VDC.

Plint 31-32, utgångar för Heat/Cool och spjällutgång (plint 28-30) får gemensamt belastas med max 50 VA.

Feel good **inside**

