

GOLD™ RX/PX



EN - Installation Instructions

FR - Instructions d'installation

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EN - CONTENTS

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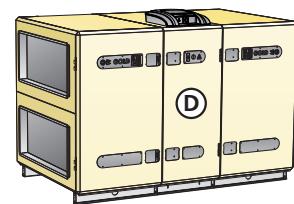
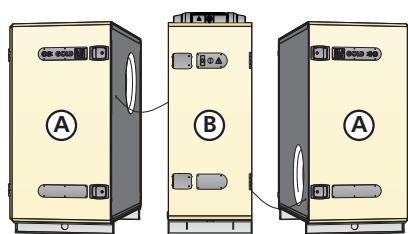
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1. Key to Symbols / Légendes

EN	FR
	Fan
	Filter
	Warning
	Must be connected by a qualified Electrician. Warning! Hazardous voltage.
	Outdoor air
	Supply air
	Extract air
	Exhaust air
	Protect from moisture
	Rotary heat exchanger
	Plate heat exchanger
	Ventilateur
	Filtre
	Avertissement
	Doit être raccordé par un électricien agréé. Attention, tension dangereuse !
	Air extérieur
	Air soufflé
	Air extrait
	Air rejeté
	Protéger contre l'humidité
	Échangeur de chaleur rotatif
	Échangeur de chaleur à plaques

2.

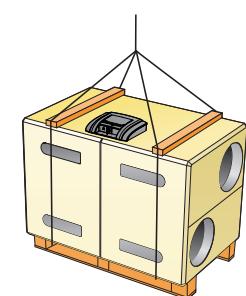


GOLD RX	A (kg)	B (kg)	C (kg)	D (kg)
05	-	-	20	243
07	-	-	21	301
08	-	-	21	309
11	167	162	28	496
12	178	162	39	518
14	209	171	40	589
20	227	171	65	625
25	265	216	65	746
30	285	216	78	786
35	379	312	78	1070
40	404	312	103	1120
50	502	414	65	1418
60	542	414	78	1498
70	816	579	78	2211
80	928	579	134	2435

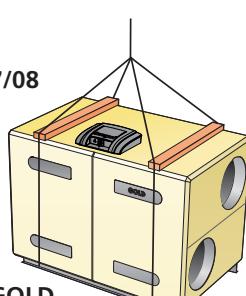
GOLD RX	A (lb)	B (lb)	C (lb)	D (lb)
05	-	-	44	534.6
07	-	-	46.2	662.2
08	-	-	46.2	679.8
11	367.4	356.4	61.6	1091.2
12	391.6	356.4	85.8	1139.6
14	459.8	376.2	88	1295.8
20	499.4	376.2	143	1375
25	583	475.2	143	1641.2
30	627	475.2	171.6	1729.2
35	833.8	686.4	171.6	2354
40	888.8	686.4	226.6	2464
50	1104.4	910.8	143	3119.6
60	1192.4	910.8	171.6	3295.6
70	1795.2	1273.8	171.6	4864.2
80	2041.6	1273.8	294.8	5357

GOLD PX	A (kg)	B (kg)	C (kg)	D (kg)
05	-	-	20	337
07	-	-	21	419
08	-	-	21	428
11	167	312	28	646
12	178	312	39	668
14	209	355	40	773
20	227	355	65	809
25	265	528	65	1058
30	285	528	78	1058

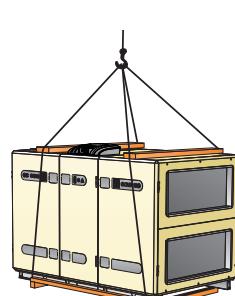
GOLD PX	A (lb)	B (lb)	C (lb)	D (lb)
05	-	-	44	741.4
07	-	-	46.2	921.8
08	-	-	46.2	941.6
11	367.4	686.4	61.6	1421.2
12	391.6	686.4	85.8	1469.6
14	459.8	781	88	1700.6
20	499.4	781	143	1779.8
25	583	1161.6	143	2327.6
30	627	1161.6	171.6	2327.6



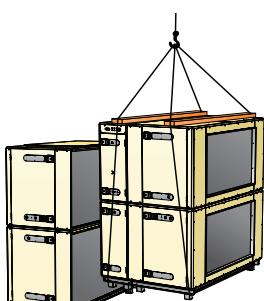
GOLD
RX 05, 07/08



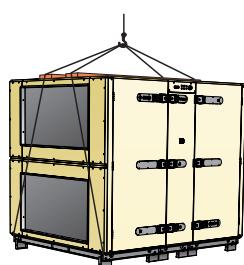
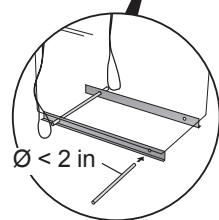
GOLD
PX 05-08



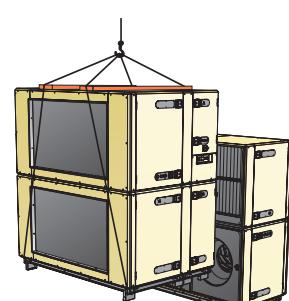
GOLD
RX 11/12, 14/20,
25/30, 35/40
PX 11/12, 14/20



GOLD
RX 70/80

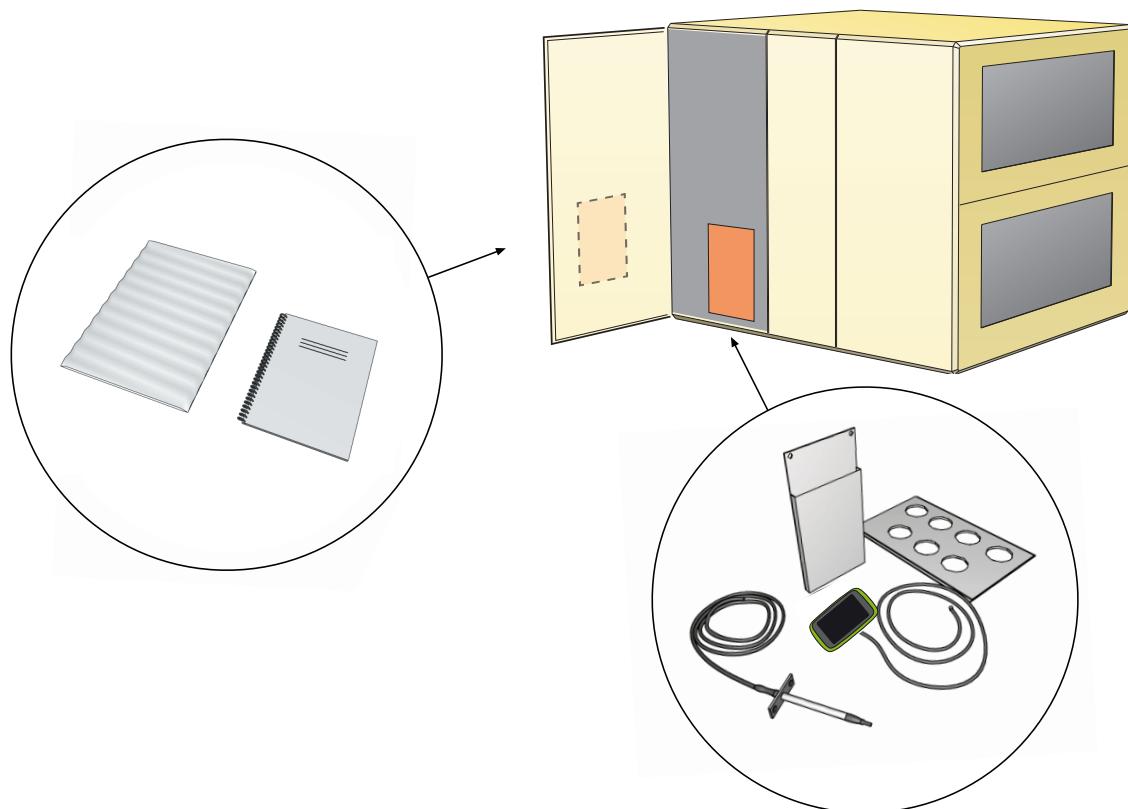


GOLD
RX 50/60

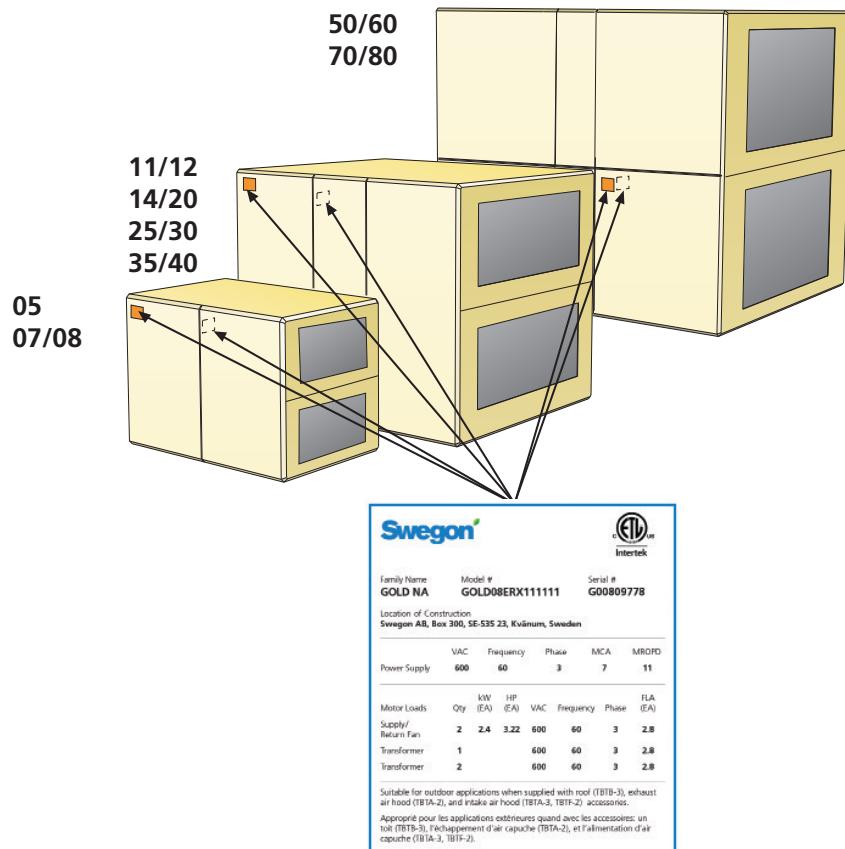


GOLD
RX 70/80

5. Unpacking / Déballage



6. Serial Numbers / Numéros de série

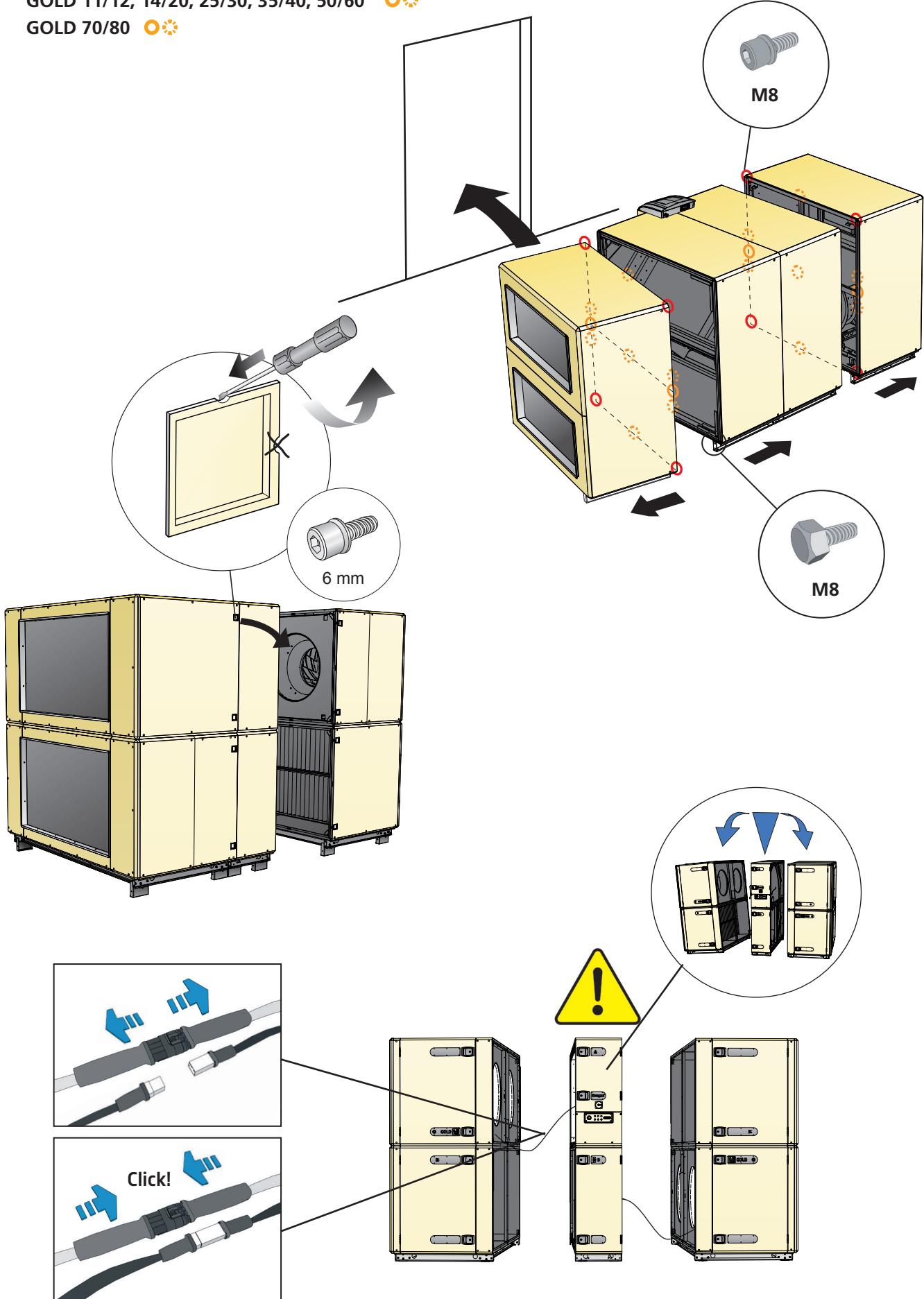


7. Assembly / Montage

GOLD 11/12, 14/20, 25/30, 35/40, 50/60

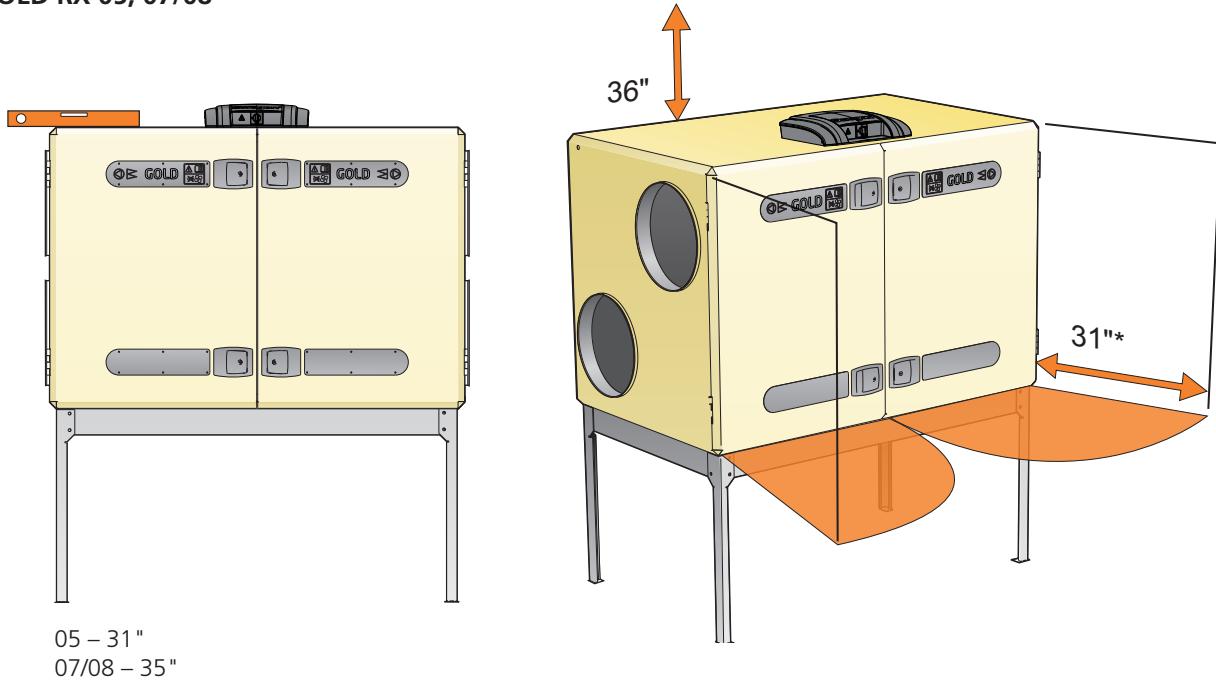


GOLD 70/80

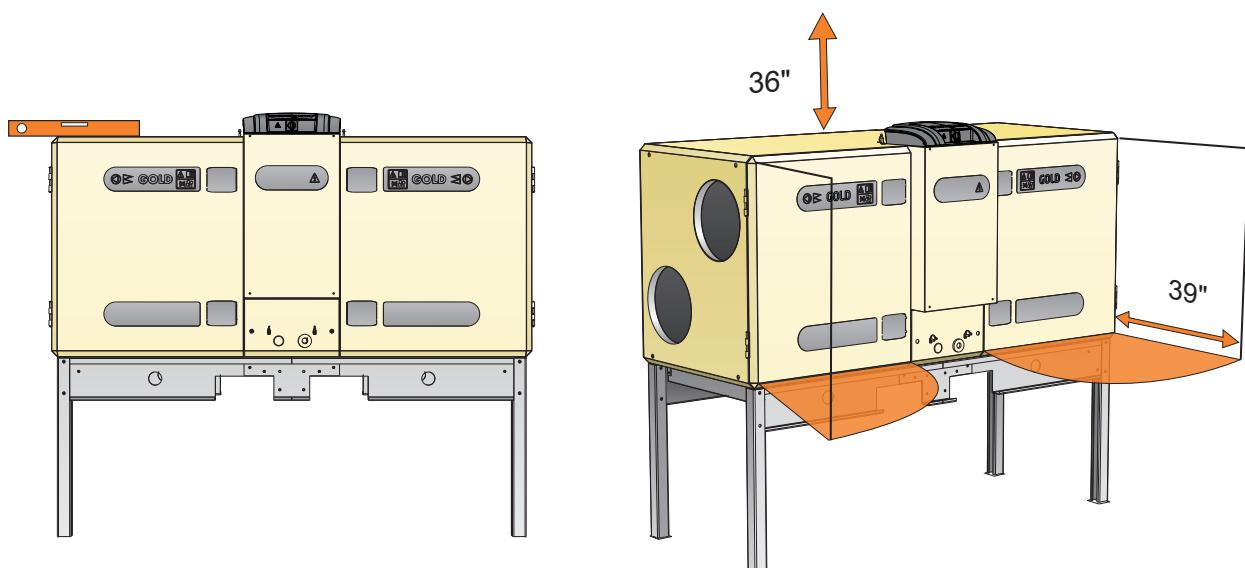


8. Clearances / Dégagement

GOLD RX 05, 07/08



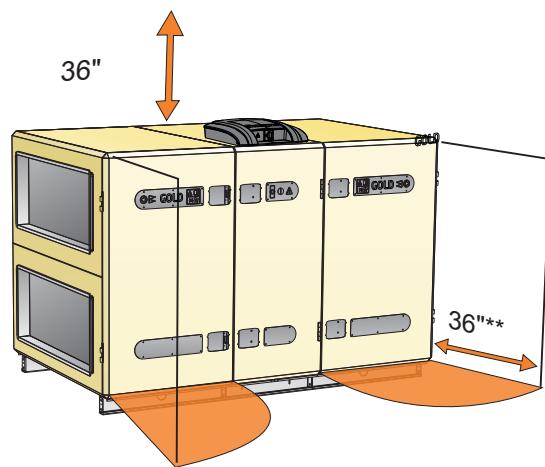
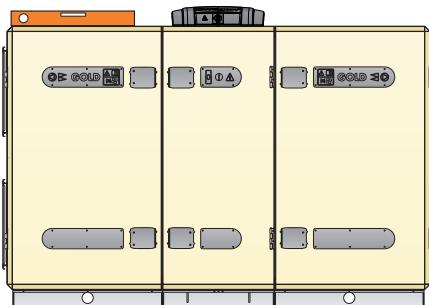
GOLD PX 05, 07/08



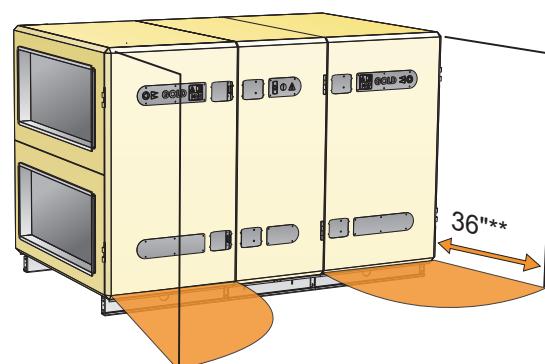
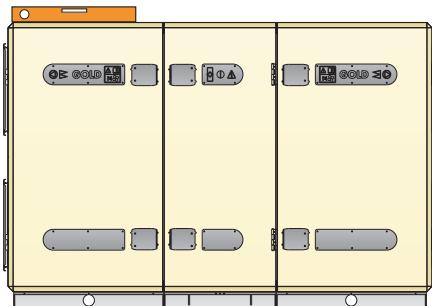
** for enthalpy wheel replacement please refer to dimensions below:
Required Service Space:

Size	05	07/08
Door Outswing	31"	35"

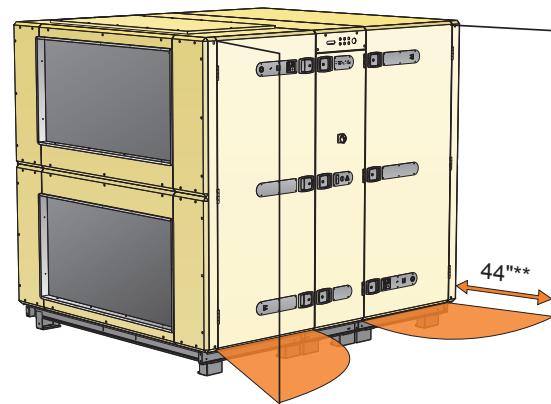
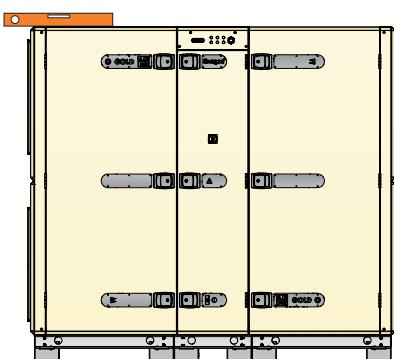
GOLD 11/12, 14/20, 25/30



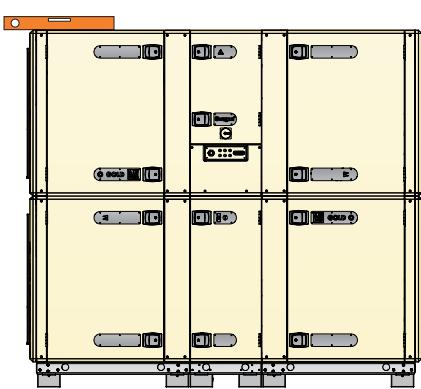
GOLD 35/40



GOLD 50/60



GOLD 70/80

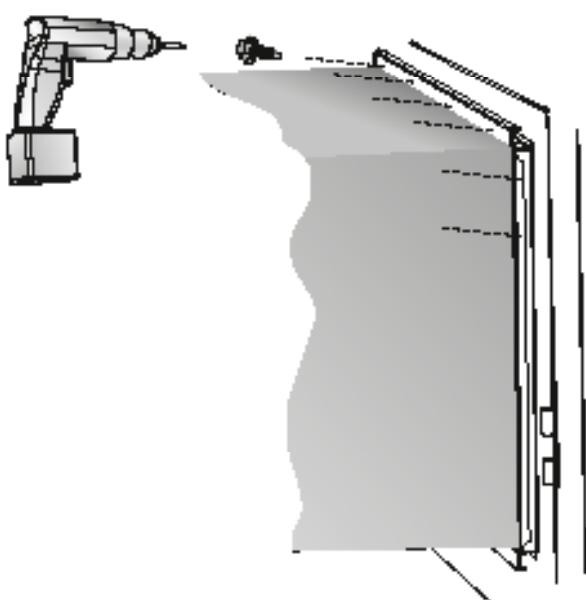
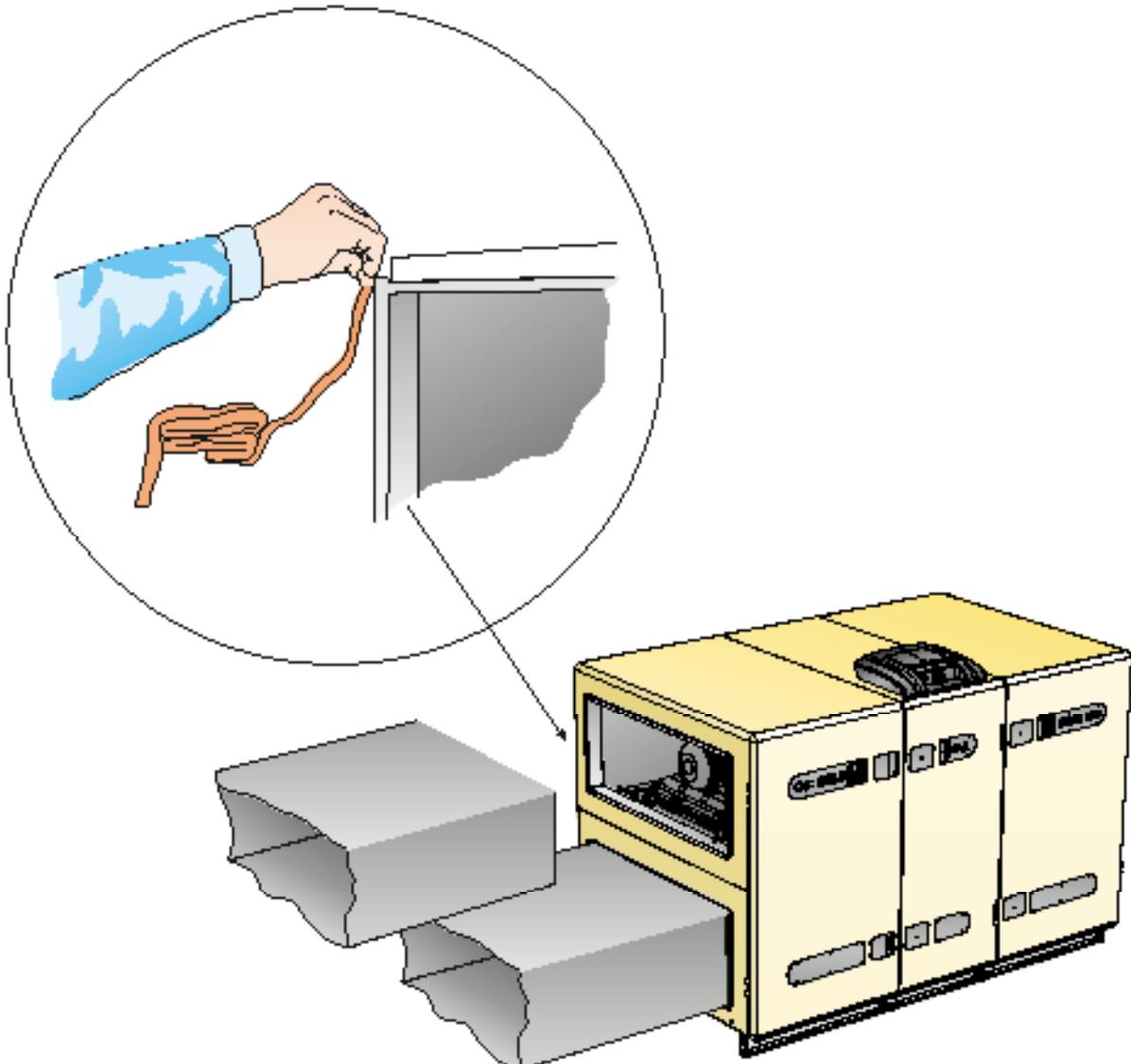


** for enthalpy wheel replacement please refer to dimensions below:
Required Service Space:

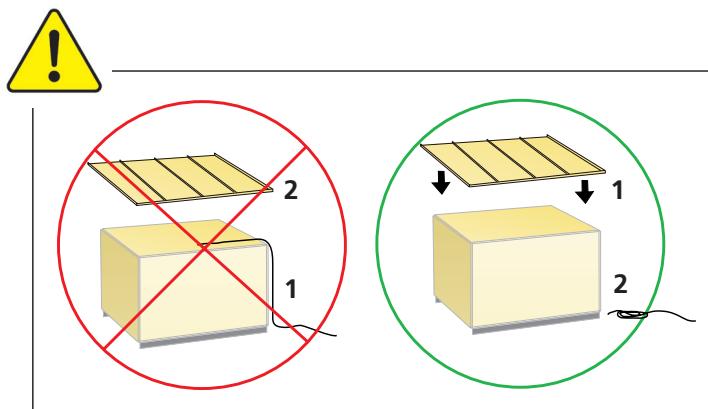
Size	11/12	14/20	25/30	35/40	50/60	70/80
Door Outswing	35"	50"	58"	74"	84"	98"

9. Connecting to the Ductwork / Raccordement au circuit d'air

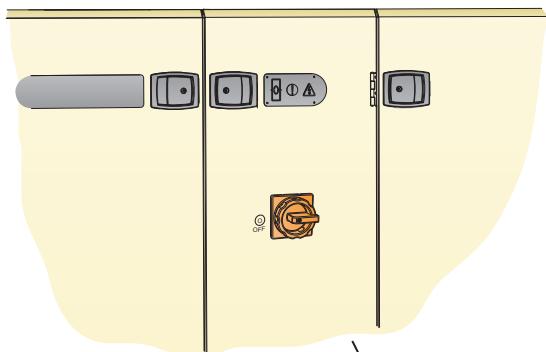
GOLD 05, 07/08, 11/12, 14/20, 25/30, 35/40
GOLD 50/60, 70/80



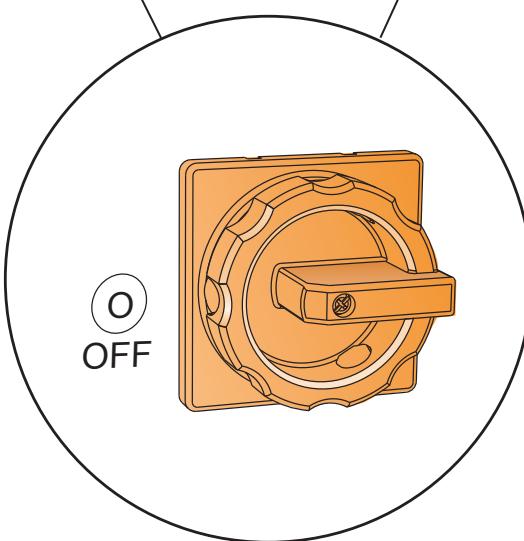
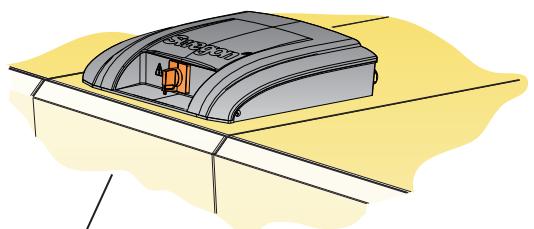
10. Electrical Connections / Connexions électriques

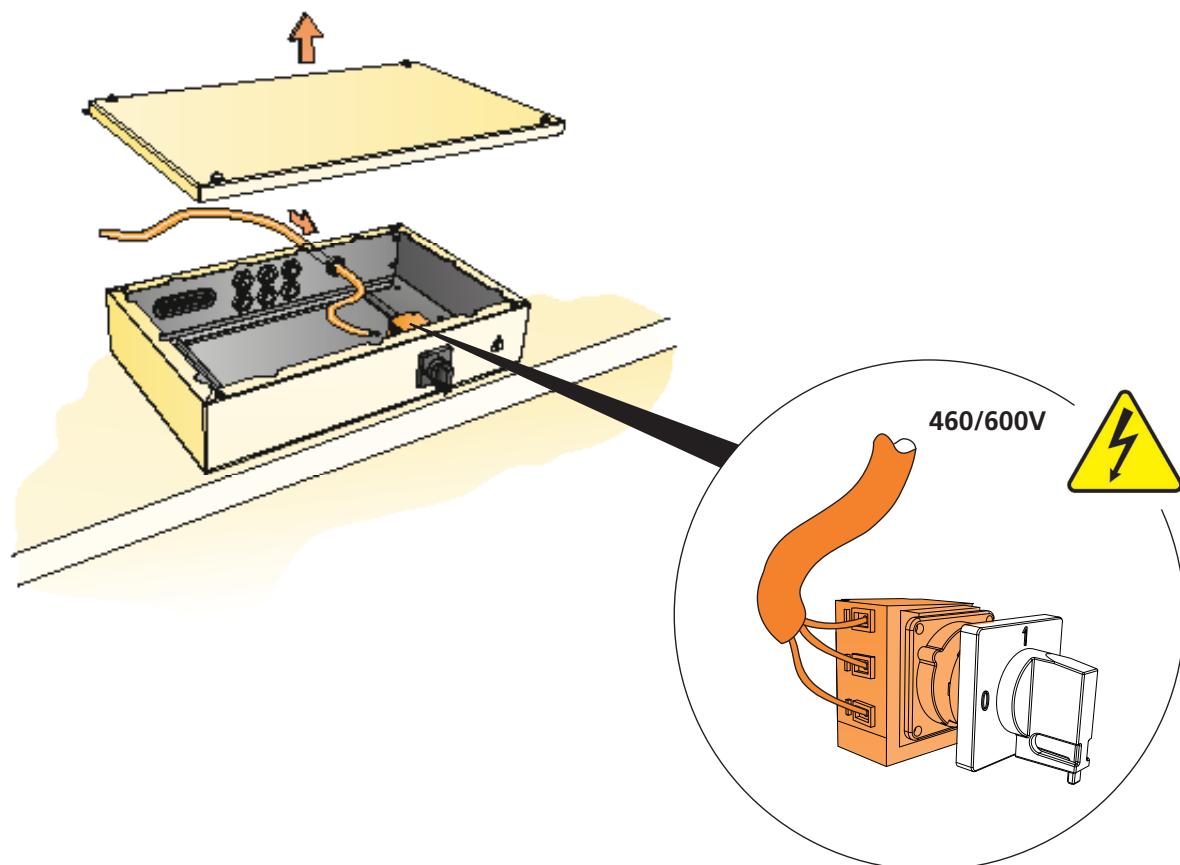


GOLD RX 35/40, 50/60



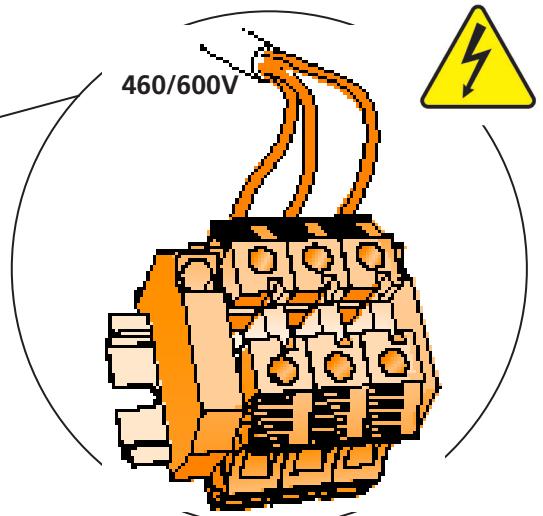
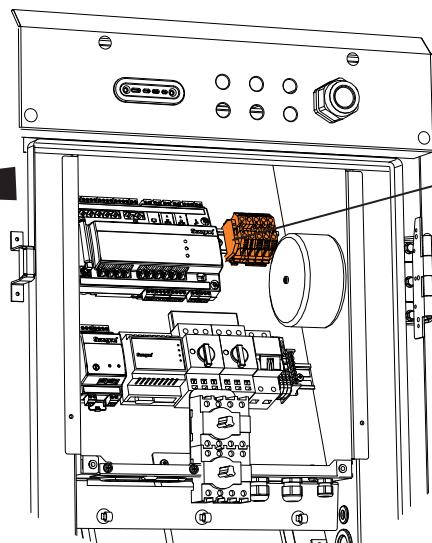
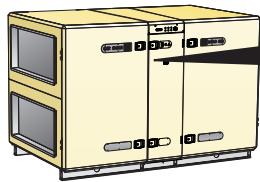
**GOLD RX 05, 07/08, 11/12, 14/20, 25/30
GOLD PX 05, 07/08, 11/12, 14/20, 25/30**



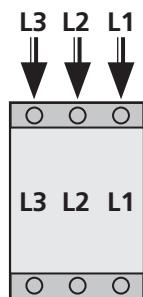
GOLD RX/PX 05, 07/08, 11/12, 14/20, 25/30, 35/40, 50/60, 70/80

GOLD RX/PX 05, 07/08, 11/12, 14/20, 25/30

3-phase, 4-wire, 230/460/600V -10/+15%, 60Hz

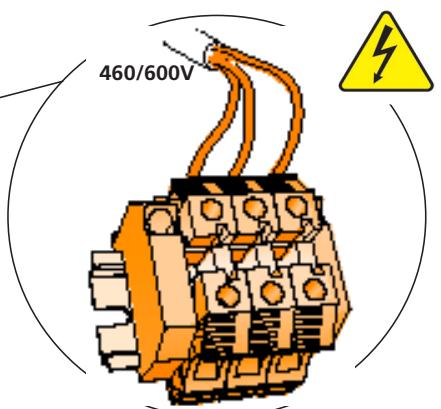
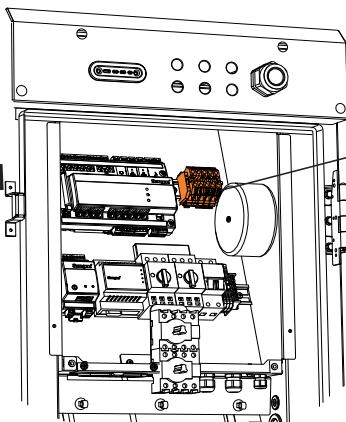
	230 V	460 V	600 V
L1 L2 L3			
GOLD 05	15		
GOLD 07	15		
GOLD 08	15		
GOLD 11	15		
GOLD 12		15	15
GOLD 14		15	15
GOLD 20		15	15
GOLD 25		15	15
GOLD 30		15	15

GOLD RX 35/40, 50/60**GOLD RX 35/40, 50/60**

3-phase, 4-wire, 460/600V -10/+15%, 60Hz



	460 V	600 V
GOLD RX 35	20A	15A
GOLD RX 40	25A	20A
GOLD RX 50	25A	20A
GOLD RX 60	45A	35A

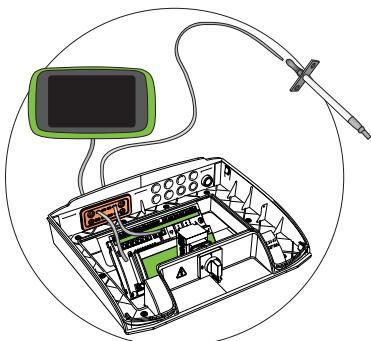
GOLD RX 70/80**GOLD RX 70, 80**

3-phase, 4-wire, 460/600V -10/+15%, 60Hz

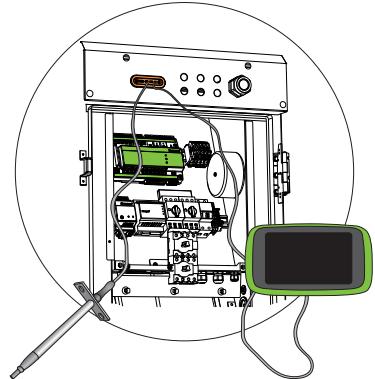
	460V	600V
GOLD RX 70	45A	35A
GOLD RX 80	45A	35A

11. Connections for the Hand-held/Micro-Sensors / Connexions télécommande / micro-capteurs

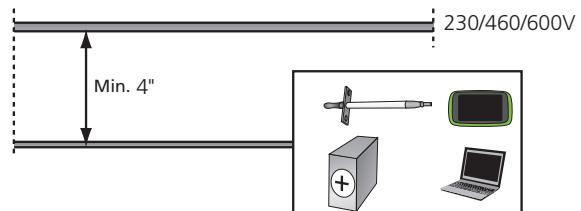
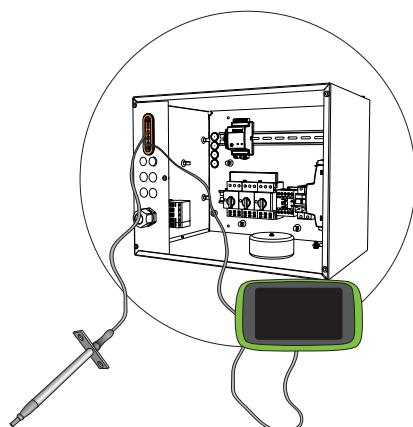
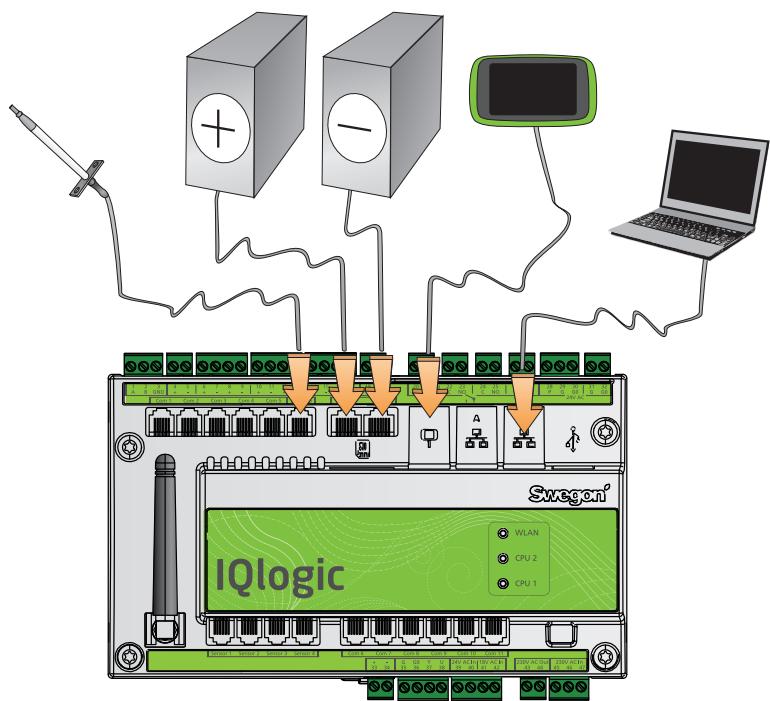
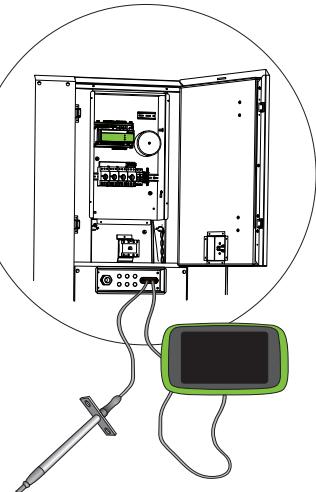
GOLD RX/PX 05, 07/08, 11/12, 14/20, 25/30



GOLD RX 35/40, 50/60



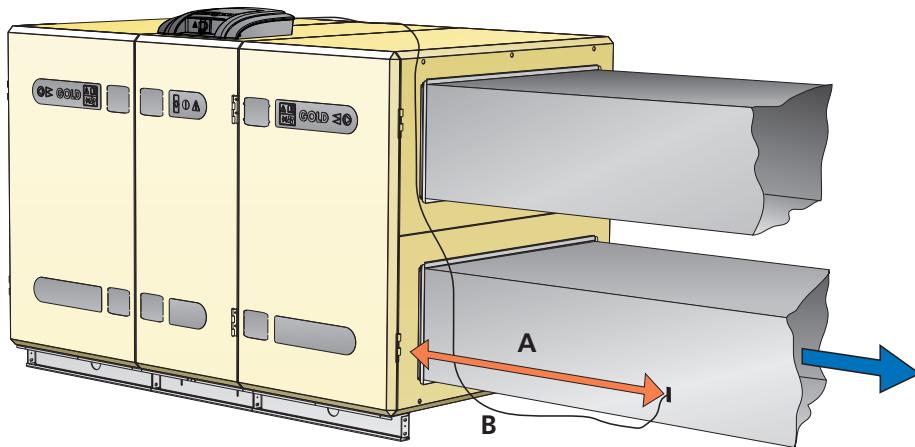
GOLD RX 70/80



12. Installations of Sensors / Installation des capteurs

GOLD 05, 07/08, 11/12, 14/20, 25/30

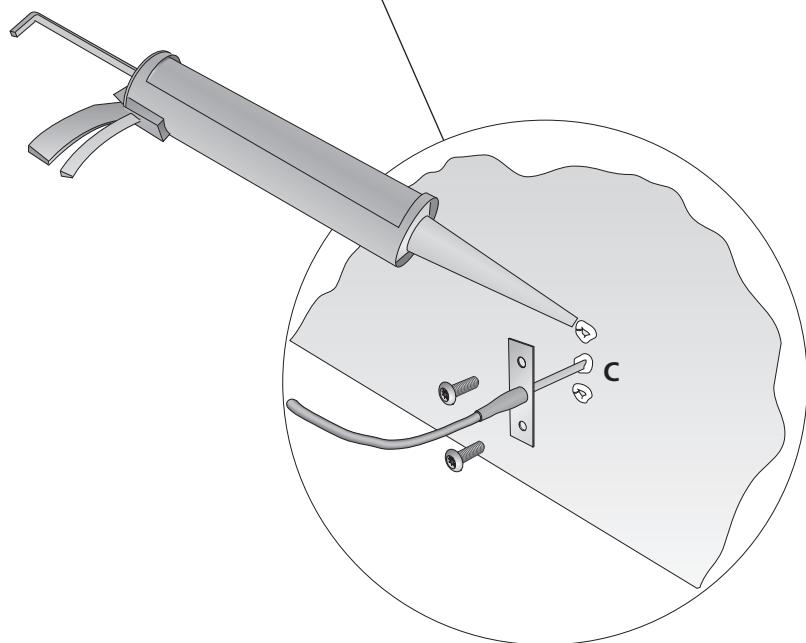
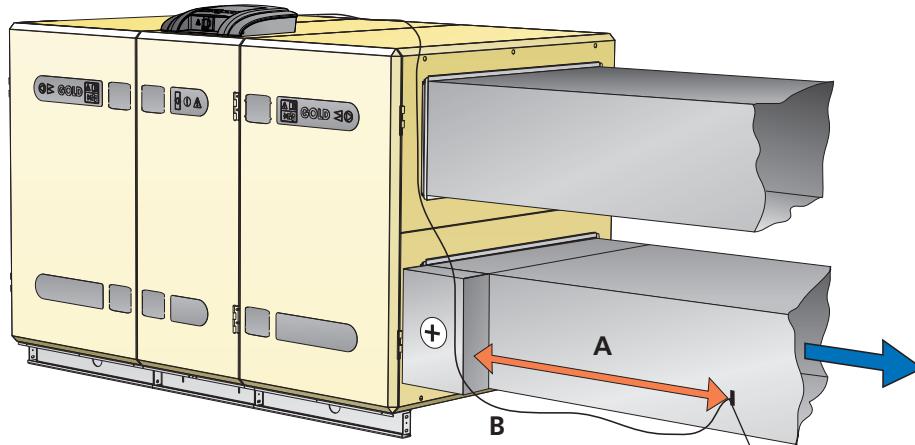
GOLD 35/40, 50/60, 70/80



A >= 5'

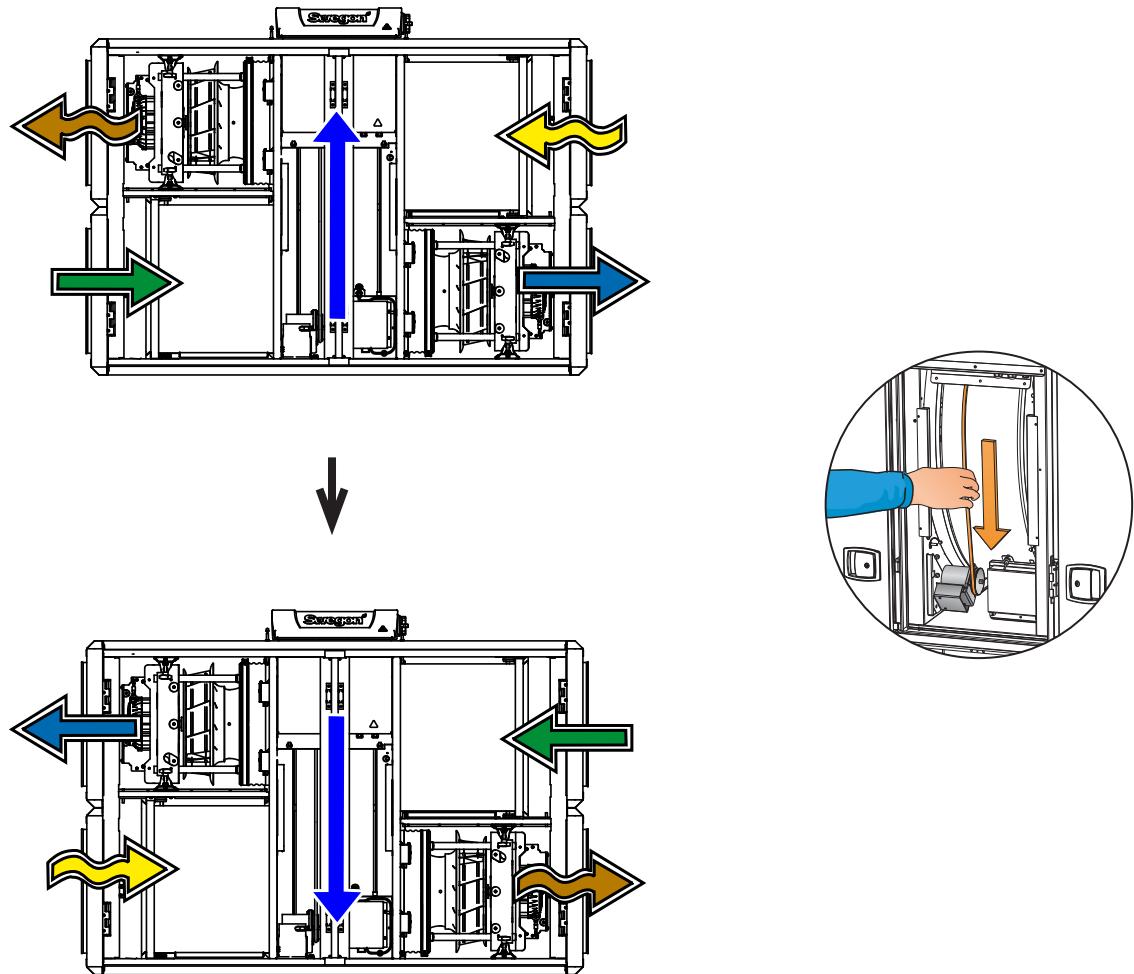
B = 25' (GOLD 15, 07/08, 11/12, 14/20, 25/30)
= 35' (GOLD 35/40, 50/60, 70/80)

C = Ø 7/16"



13. Verification of the Direction of Rotation / Vérification du sens de rotation

GOLD RX 05, 07/08, 11/12, 14/20, 25/30, 35/40, 50/60, 70/80

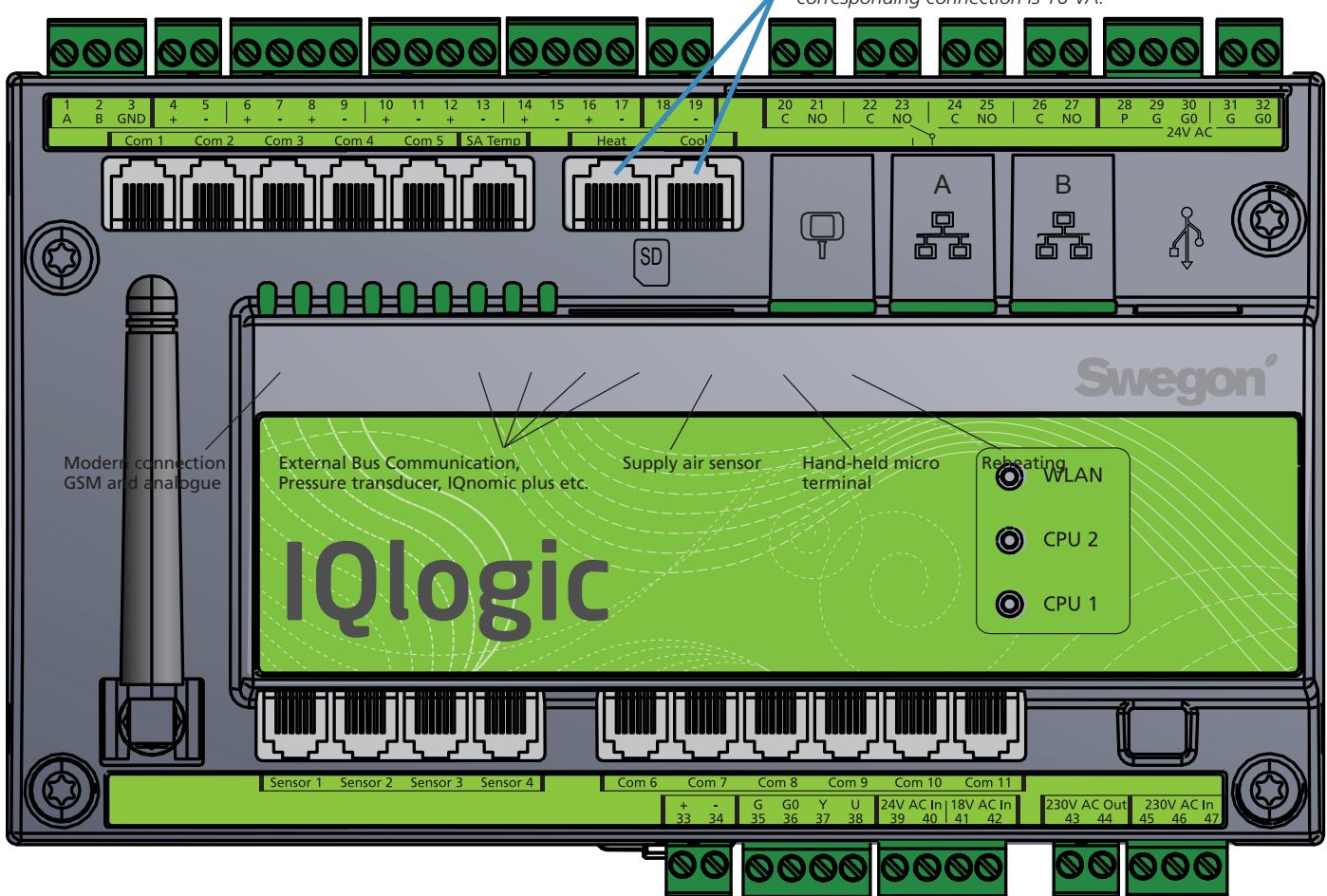


EN - See section 6.4.10 in the Operation and Maintenance Instructions for GOLD.

FR - Voir la section 6.4.10 des consignes d'utilisation et d'entretien de la CTA GOLD.

14. EN - List of terminals

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



Digital inputs, terminals 4-17, are of extra-low voltage type.

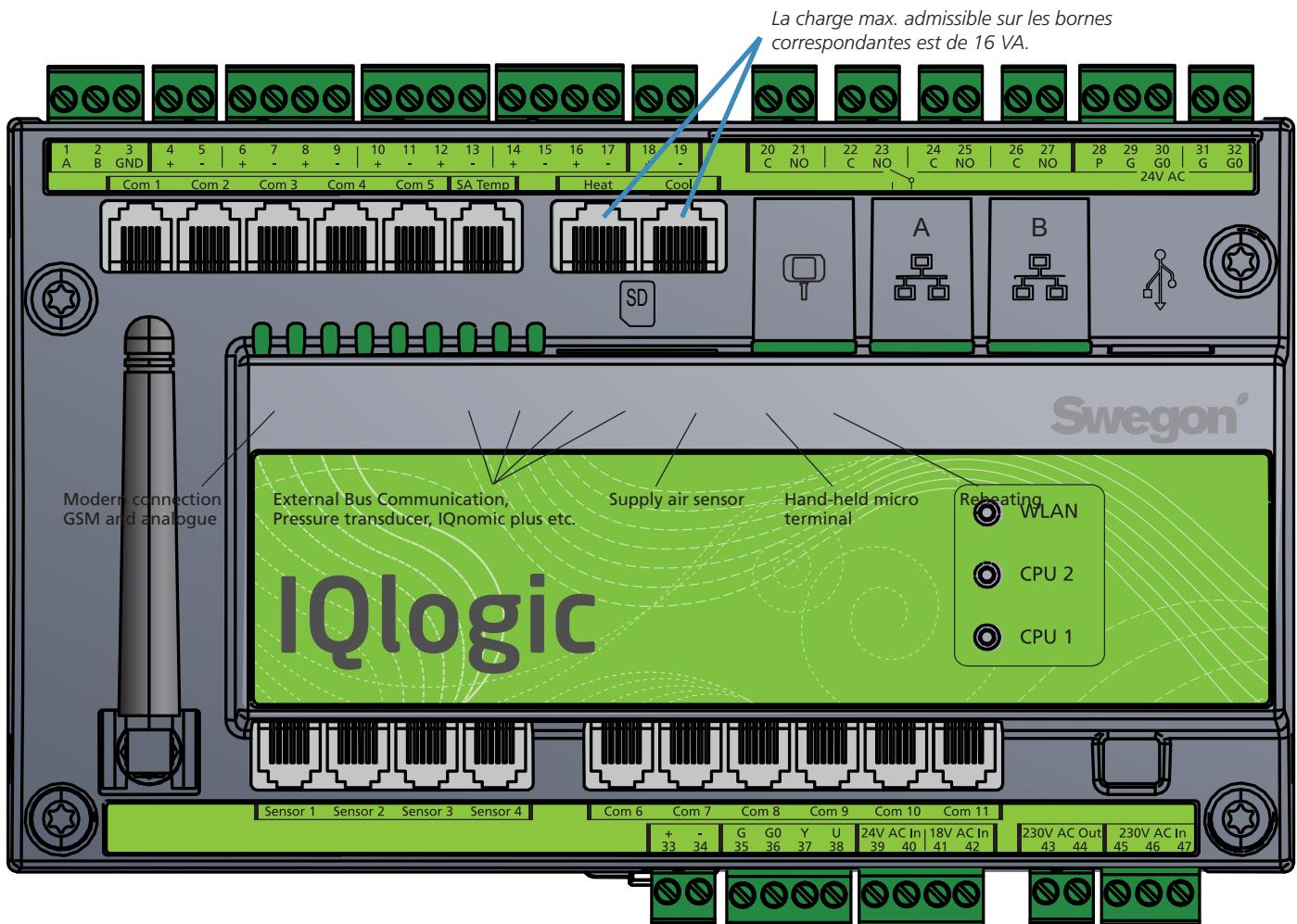
Analogue inputs, terminals 18-19 have an input impedance of 66 kΩ.



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.

14. FR - Explication des bornes



Les entrées numériques (bornes 4-17) sont à tension extra-basse. Les entrées analogiques (bornes 18-19) ont une impédance de $66\text{ k}\Omega$.



Bornier	Fonctions	Remarques
1,2,3	Branchements pour EIA -485	1 = connexions de communication A/RT+, 2= connexions de communication B/RT-, 3 = GND/COM
4,5	Arrêt - externe	Met la centrale à l'arrêt en ouvrant le circuit. À la livraison, cette fonction est munie d'un cavalier. Met la centrale à l'arrêt en cas d'interruption de la connexion.
6,7	Fonction incendie/fumée externe 1	Fonction externe incendie et fumée. À la livraison, cette fonction est munie d'un cavalier. Lorsque la connexion est interrompue, la fonction s'active et déclenche une alarme.
8,9	Fonction incendie/fumée externe 2	Fonction externe incendie et fumée. À la livraison, cette fonction est munie d'un cavalier. Lorsque la connexion est interrompue, la fonction s'active et déclenche une alarme.
10,11	Alarme externe 1	Fonction contact externe. En option: Normalement ouvert/normalement fermé.
12,13	Alarme externe 2	Fonction contact externe. En option: Normalement ouvert/normalement fermé.
14,15	Vitesse réduite - externe	Fonction contact externe. Prioritaire sur l'horloge, depuis l'arrêt jusqu'au fonctionnement à vitesse réduite.
16,17	Vitesse élevée - externe	Fonction contact externe. Prioritaire sur l'horloge, depuis l'arrêt ou la vitesse réduite jusqu'à la vitesse élevée.
18,19	Régulation à la demande	Entrée pour 0-10 V DC. Le signal d'entrée influence le point de consigne air soufflé/extrait lorsque l'appareil fonctionne en mode Régulation à la demande. Pour raccordement d'une sonde, par exemple CO ₂ , CO et COV
20,21	Circulateur, circuit de chauffage	Contact indépendant, max. 5 A/AC1, 2 A/AC3, 250 V AC. Fermeture en cas de charge de chauffage.
22,23	Pompe de circulation, circuit de refroidissement ou refroidissement marche/arrêt, opération en 1 étape	Contact indépendant, max. 5 A/AC1, 2 A/AC3, 250 V AC. Fermeture en cas de charge de refroidissement.
24,25	Refroidissement, marche/arrêt, opération en 2 étapes	Contact indépendant, max. 5 A/AC1, 2 A/AC3, 250 V AC. Fermeture en cas de charge de refroidissement.
26,27	Témoin de marche.	Contact indépendant, max. 5 A/AC1, 2 A/AC3, 250 V AC. Fermeture lorsque l'unité est en service.
28,29,30	Commande registre	24 V AC 28= 24 VAC (G) avec régulation, 29= 24 VAC (G), 30= 24 VAC (G0).
31,32	Tension de régulation	Tension de régulation 24 V AC. Les bornes 31-32 sont chargées au total de 16 VA. Ouvert par le coupe-circuit de sécurité.
33,34	Tension de référence	Entrée pour 10 V DC constant. Charge max. admissible: 8 mA.
35,36,37,38	Régulation, registre de recyclage	Le registre de recyclage résiste à max. 2 mA à 10 V DC. 35= 24 V AC (G), 36= 24 V AC (G0), 37= 0-10 V DC signal de régulation, 38= 0-10 V DC signal de feed-back.

La charge max. commune admissible sur les bornes 31-32, sorties pour chauffage/refroidissement et sortie registre (bornes 28-30) est de 50 VA.

Specifications are subject to alteration without notice.