

Chauffe-eau thermodynamique sur air extrait

# 11023384

## B200-FAN T.Flow® Hygro+ Connecté

La solution connectée pour réduire votre facture énergétique et augmenter votre confort, adaptée à chaque logement.



B200-FAN\_T.FLOW HYGRO+ CONNECTE

### PLUS PRODUIT

- jusqu'à 73% d'économies d'énergie,
- suivi et pilotage en temps réel sur smartphone avec AldesConnect® (iOS et Android),
- discret :
  - très silencieux < 28 dB(A),
  - ultra fin, permettant l'intégration en placard standard.

### RÈGLEMENTATIONS & CONFORMITÉ(S)

N° Identification QB37 : 70/02-CHY5-2266  
N° d'avis technique : 14.5/17-2266

### Principes de fonctionnement

T.Flow® Hygro+ / Nano exploite la chaleur présente dans l'air intérieur du logement pour chauffer l'eau : jusqu'à 600 litres d'eau chaude disponible par jour pour une famille jusqu'à 6 personnes.

### Description produit

T.Flow® Hygro+ / T.Flow® Nano Maison Individuelle (avec ventilateur) est une solution qui combine production d'eau chaude sanitaire et qualité d'air pour une maison jusqu'à 6 personnes.

Il exploite les calories naturellement présentes dans l'air qu'il extrait du logement et les utilise comme source d'énergie pour réchauffer l'eau.

Avec AldesConnect® il permet de piloter sa production d'eau chaude en temps réel et de contrôler sa consommation d'énergie depuis un smartphone afin de maximiser son confort tout en faisant des économies d'énergie.

### Domaines d'application

Habitat résidentiel individuel, Neuf, Rénovation

### Mise en oeuvre

- domaine d'emploi hygro selon Avis Technique Bahia Solution Individuelle : du T1 (1 sanitaire) au T7 (7 sanitaires),
- installation :
  - en volume chauffé pour des performances optimales,
  - dans un placard de 600 mm de profondeur,
  - les 2 modèles se posent simplement au sol (nouveau 2025),
  - T.Flow® Nano peut également être installé au mur ou sur trépied.
- manutention par sangles fournies, fixées à l'arrière du ballon (T.Flow® Hygro+),
- raccordements hydrauliques et électriques en face avant,
- raccordement aéraulique sur le dessus avec bouches hygroréglables ou autoréglables en pièces techniques selon système de ventilation,
- entrées d'air hygroréglables ou autoréglables selon système de ventilation,
- raccordement du modem AldesConnect® Box sur le port USB,
- compatibilité heures creuses / heures pleines.

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## Argumentaire référence

- Application :
  - Chauffe-eau thermodynamique qui combine production d'eau chaude et qualité d'air intérieur pour la maison individuelle neuve ou en grosse rénovation,
  - Livré avec AldesConnect® Box pour le suivi et le pilotage de sa production d'eau chaude en temps réel avec AldesConnect®,
  - Idéal pour une famille de 3 à 6 personnes : Du T3 (1 sanitaire) au T7 (7 sanitaires) en hygro,
  - Plage de débit : 49,1 à 222,8 m³/h.
- Description :
  - La solution la plus performante de sa catégorie,
  - Jusqu'à 73% d'eau chaude produite gratuitement : COP (à 20°C selon EN16147) de 2,99 à 3,72,
  - Production d'eau chaude en continu : jusqu'à 600 litres (V40td) disponibles par jour,
  - 4 modes de fonctionnement : auto, boost, confort/invités, vacances,
  - Très silencieux : Lp à 2 m en champ libre à 160 m³/h < 28 dB(A),
  - Ultra fin : H 1941 x l 566 x P 573 mm (intégration dans un placard de 60 cm),
  - Garantie : PAC 2 ans et Ballon 5 ans.

## Caractéristiques principales

- chauffe-eau thermodynamique monobloc avec groupe d'extraction simple flux,
- cuve émaillée avec :
  - isolation 55 mm,
  - jaquette métallique peinte,
  - condenseur extérieur à la cuve,
  - anode titane et anode magnésium de démarrage,
  - résistance de secours 1500 W en stéatite avec protection anti-chauffe cuve vide,
  - fonction anti-légionnelles.
- pompe à chaleur 800 W avec :
  - compresseur Inverter,
  - filtre à poussières, facilement accessible par trappe avant, ISO Grossier 65% selon la norme ISO 16890 (anciennement G4 selon la norme EN 779).
- afficheur digital pour :
  - le réglage rapide et facile des paramètres d'installation,
  - la visualisation des consommations et le choix du mode de fonctionnement : auto, boost, confort/invités, vacances.
- modem USB AldesConnect® Box (version connectée) pour pilotage via l'app AldesConnect®,
- association possible avec :
  - pompe à chaleur air/air T.One® AIR pour un maximum de confort,
  - chaudière ou poêle à granulés pour apporter l'ECS et le renouvellement d'air avec un système à énergie renouvelable.
  - PAC air/air monosplit ou multisplit
  - PAC air/air gainable Daikin et Multizoning Airzone avec VMC simple flux hygro Bahia Aldes (avis technique 14.5/23-2314)

## Caractéristiques complémentaires

- produit contenant un gaz à effet de serre fluoré :
  - gaz contenu dans un équipement hermétiquement scellé,
  - type de gaz : R513a (PRG = 631).

## Composition des kits

- B200-FAN T.Flow® Hygro+; 1
- AldesConnect® Box; 1

## Accessoires

| Désignations                                                               | Références |
|----------------------------------------------------------------------------|------------|
| Plaque d'étanchéité plafond T.Flow®                                        | 11023286   |
| Caisson circulaire isolé Ø 160 + 1 Ø 125 + 6 Ø 80 (6 connexions possibles) | 11023194   |

## Consommables

| Désignations                                                                       | Références |
|------------------------------------------------------------------------------------|------------|
| Filtre poussière (ISO Grossier 65% selon ISO 16890) T.Flow® Hygro+ et T.Flow® Nano | 35112055   |

## Services associés

Mise en Service à partir de 5 ballons, Contre-visite si mise en service impossible lors de l'intervention

## Chauffe-eau thermodynamique sur air extrait

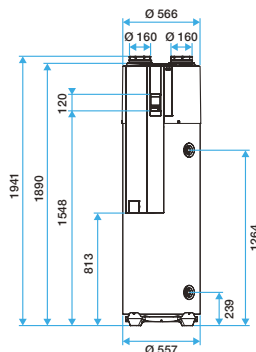
11023384  
B200-FAN T.Flow® Hygro+ Connecté

## Données générales

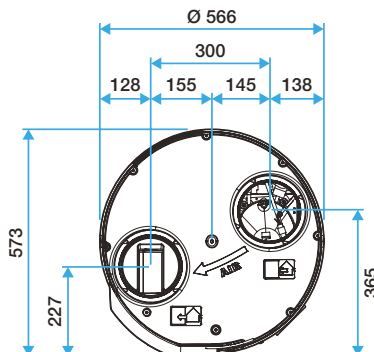
| Références | Charge de fluide (g) | Cycle de soutirage | Équivalent CO2 (Teq CO2) | Plage de température d'utilisation de la pompe à chaleur (Air extrait) | Vmax (L) | Volume de stockage du ballon (L) | Type de fluide |
|------------|----------------------|--------------------|--------------------------|------------------------------------------------------------------------|----------|----------------------------------|----------------|
| 11023384   | 650                  | M                  | 0,41                     | +10°C - +35°C                                                          | 286      | 200                              | R513A          |

## Données dimensionnelles

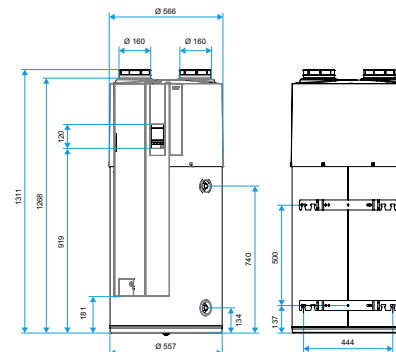
| Références | H (mm) | L (mm) | P (mm) | Dimensions (mm) | Poids à vide (kg) |
|------------|--------|--------|--------|-----------------|-------------------|
| 11023384   | 1941   | 566    | 573    | 573x566x1941    | 79                |



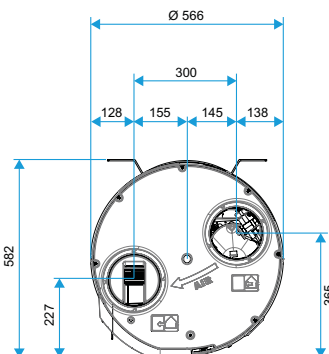
Encombrement T.Flow® Hygro+



Encombrement T.Flow® Hygro+ - Raccordement aéraulique



Encombrement T.Flow® Nano



Encombrement T.Flow® Nano - Raccordement aéraulique

## Données aérauliques

| Références | Plage de débit d'air (m³/h) |
|------------|-----------------------------|
| 11023384   | 49,1-222,8                  |

## Données acoustiques

| Références | Tableau de données acoustiques                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| 11023384   | <p>Global (dB(A))*</p> <p>Pression acoustique**</p> <p>Fréquence (Hz)</p> <p>Débit (m³/h)</p> <p>125</p> <p>250</p> <p>500</p> <p>1000</p> <p>2000</p> <p>4000</p> <p>8000</p> <p>150</p> <p>225</p> <p>375</p> <p>562</p> <p>844</p> <p>1266</p> <p>1900</p> <p>2822</p> <p>4233</p> <p>6350</p> <p>9525</p> <p>14288</p> <p>21432</p> <p>32148</p> <p>48222</p> <p>72333</p> <p>108500</p> <p>162750</p> <p>244125</p> <p>366188</p> <p>549281</p> <p>823922</p> <p>1235883</p> <p>1853825</p> <p>2780738</p> <p>4171106</p> <p>6256659</p> <p>9384988</p> <p>14077482</p> <p>21116223</p> <p>31674335</p> <p>47511503</p> <p>71267255</p> <p>106900883</p> <p>160351325</p> <p>240526988</p> <p>360790482</p> <p>541185723</p> <p>811778585</p> <p>1217677877</p> <p>1826516816</p> <p>2739775224</p> <p>4109662836</p> <p>6164494254</p> <p>9246741381</p> <p>13870112072</p> <p>20805168108</p> <p>31207752240</p> <p>46811628360</p> <p>70217433520</p> <p>105326149280</p> <p>157989223920</p> <p>236983835840</p> 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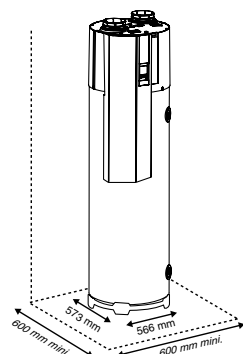
Chauffe-eau thermodynamique sur air extrait

## 11023384 B200-FAN T.Flow® Hygro+ Connecté

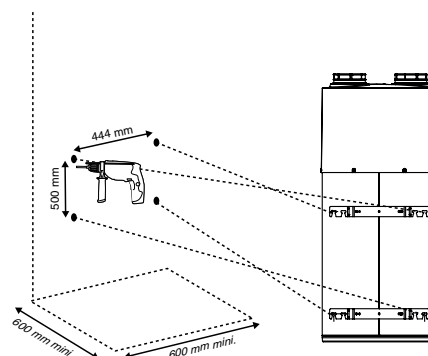
### Données réglementaires

| Références | Classe énergétique ErP (ECS) | Classe énergétique ventilation – Climat moyen |
|------------|------------------------------|-----------------------------------------------|
| 11023384   | A+                           | B                                             |

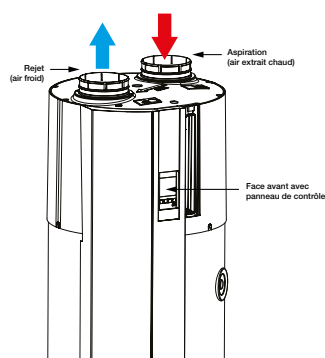
### Installation



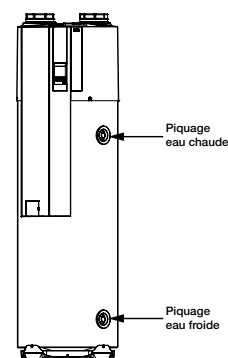
Installation de T.Flow® Hygro+ - Pose au sol



Installation de T.Flow® Nano - Pose murale



Piquages d'entrée et de rejet de l'air T.Flow® Hygro+ / Nano



Piquages eau chaude et eau froide T.Flow® Hygro+ / T.Flow® Nano

### Principe de fonctionnement

- > 1- Chauffe eau T.Flow® Hygro+ ou T.Flow® Nano (avec ventilateur),
- > 2- Bouches VMC (pièces humides),
- > 3- Entrées d'air (salon, chambres),
- > 4- Sortie toiture.



Principe de fonctionnement de la solution T.Flow® Hygro+ / Nano en Maison Individuelle

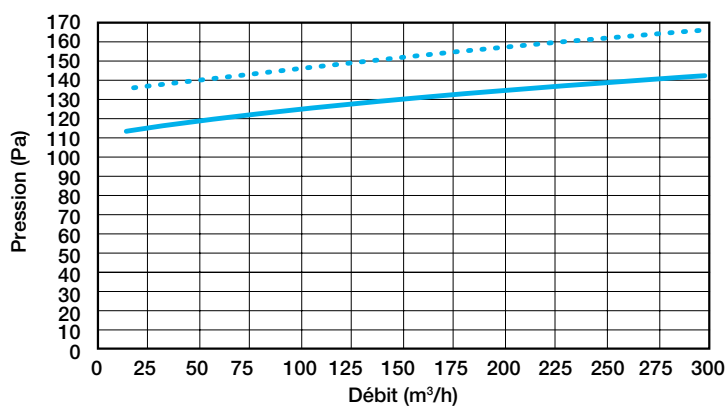
Chauffe-eau thermodynamique sur air extrait

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B200-FAN T.Flow® Hygro+ Connecté

## Courbes

Courbes aérauliques de T.Flow® Hygro+ avec ventilateur, en version mono-piquage.



Courbes aérauliques T.Flow® Hygro+ en version mono-piquage