

## Descriptif Appel d'offres



Référence: [99411107](#)

**ALPHA2 15-40 130**

High efficiency canned-rotor circulator, designed for circulating liquids in domestic heating systems. With a world-class energy efficiency index (EEI) well below the ErP benchmark it ensures substantial energy savings.

### Features

- AUTOADAPT which provides the ultimate comfort levels with the lowest possible energy consumption and makes the commissioning safe and easy
- Night-setback function which saves energy
- Manual Summer mode saves energy during summertime and ensure safe start in the heating season
- Intuitive one-button operation makes selection of any control mode simple
- No external motor protection required reducing installation time
- High-torque start improves startup under harsh conditions
- Maintenance free due to canned-rotor design and use of robust components
- ALPHA plug makes electrical installation quick and easy
- Insulating shells are supplied with pumps to minimize heat loss in heating systems
- Hydronic balancing by temporary use of the ALPHA Reader and the Grundfos GO Balance App enables the installer to perform fast and easy hydronic balancing

When using the ALPHA2 with two other components the ALPHA Reader and the Grundfos GO Balance app, it enables the installers to perform fast and easy hydronic balancing - without compromising on reliability, efficiency and easy installation.

The AUTOADAPT function continuously adjusts the pump performance to the actual heat demand, i.e. the size of the system and the changing heat demand during the year. The function will find the setting that provides optimal comfort with minimal energy consumption. It contributes to fast, safe and easy commissioning.

In addition, the pump also features three control modes - each with three settings

- proportional-pressure control
- constant-pressure control
- constant-curve mode

The display shows the actual power consumption in Watts or actual flow in m<sup>3</sup>/h as well as alarms and warnings. LEDs indicate the actual operating status.

The night-setback function, when enabled automatically reduces the motor speed to save energy. The changeover depends on a change in the flow-pipe temperature.

Manual summer mode; once enabled, the pump is automatically started frequently at low speed to avoid blocking the rotor. At the same time, it saves energy.

The pump is of the canned-rotor type, which means that the pump and motor form an integral unit. The bearings are lubricated by the pumped liquid ensuring maintenance-free operation. The pump features dry-running protection.

The pump has a ceramic shaft and radial bearings, carbon thrust bearing, stainless-steel rotor can, bearing plate and rotor cladding, composite impeller, all of which contribute to long life.

The pump is self-venting through the system, which contributes to easy commissioning. The compact design featuring pump head with integrated control box and control panel fits into most common installations.

The pump housing is made of cast iron and electrocoated to improve the corrosion resistance.

The motor is a synchronous permanent-magnet/compact-stator motor characterized by high efficiency. The pump speed is controlled by an integrated frequency converter incorporated in the control box.

**Liquide:**

Liquide pompé: Eau  
Plage température liquide: 2 .. 110 °C  
Liquid temperature during operation: 60 °C  
Masse volumique: 983.2 kg/m<sup>3</sup>

**Technique:**

Classe TF: 110  
Certifications sur la plaque signalétique: VDE,CE,EAC

**Matériaux:**

Corps de pompe: Fonte  
EN-GJL-150  
ASTM A48-150B  
Roue mobile: PES 30%GF

**Installation:**

Plage température ambiante: 0 .. 40 °C  
Pression maximale de service: 10 bar  
Raccordement tuyauterie: G 1  
Pression par étage: PN 10  
Entraxe: 130 mm

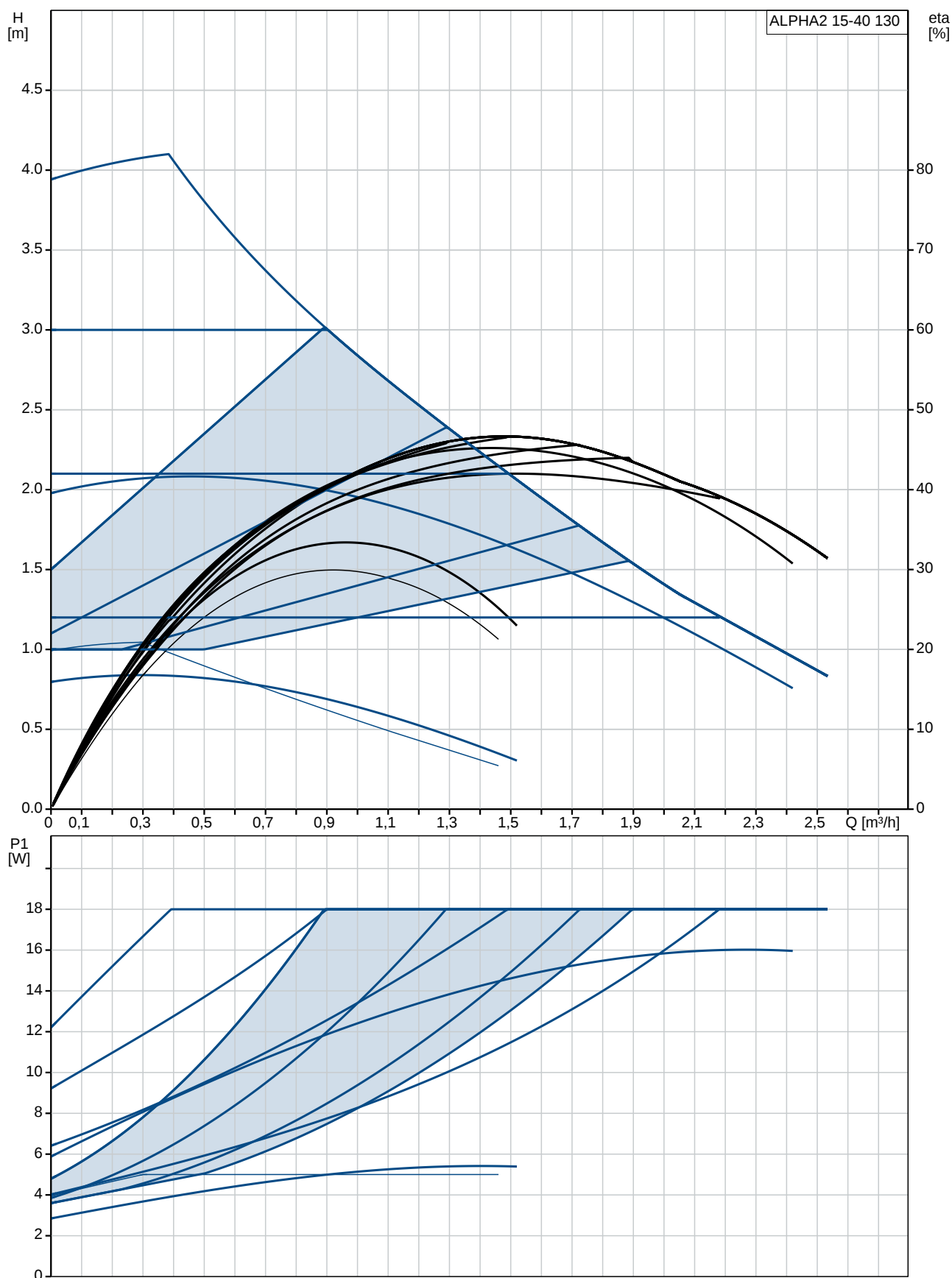
**Donnée électrique:**

Puissance élec.-P1: 3 .. 18 W  
Fréquence d'alimentation: 50 Hz  
Tension nominale: 1 x 230 V  
Intensité maximum consommée: 0.04 .. 0.18 A  
Indice de protection (IEC 34-5): X4D  
Classe d'isolement (IEC 85): F

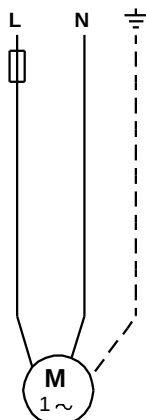
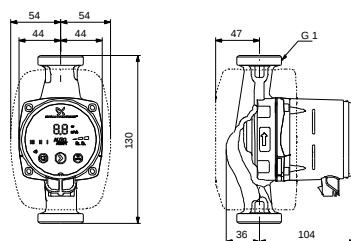
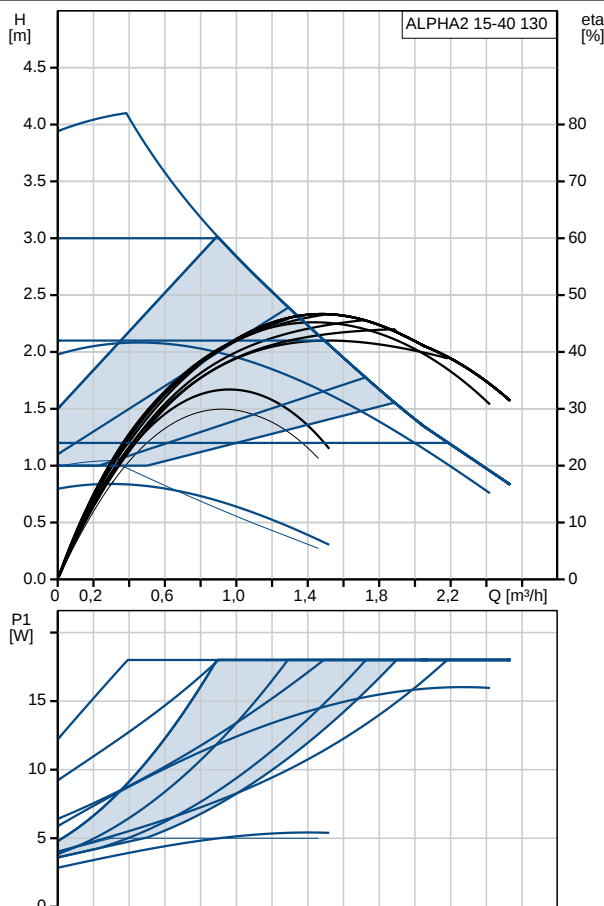
**Autres:**

Energie (EEI): 0.15  
Poids net: 1.73 kg  
Poids brut: 1.89 kg  
Colisage: 0.004 m<sup>3</sup>  
Swedish RSK No.: 5758774

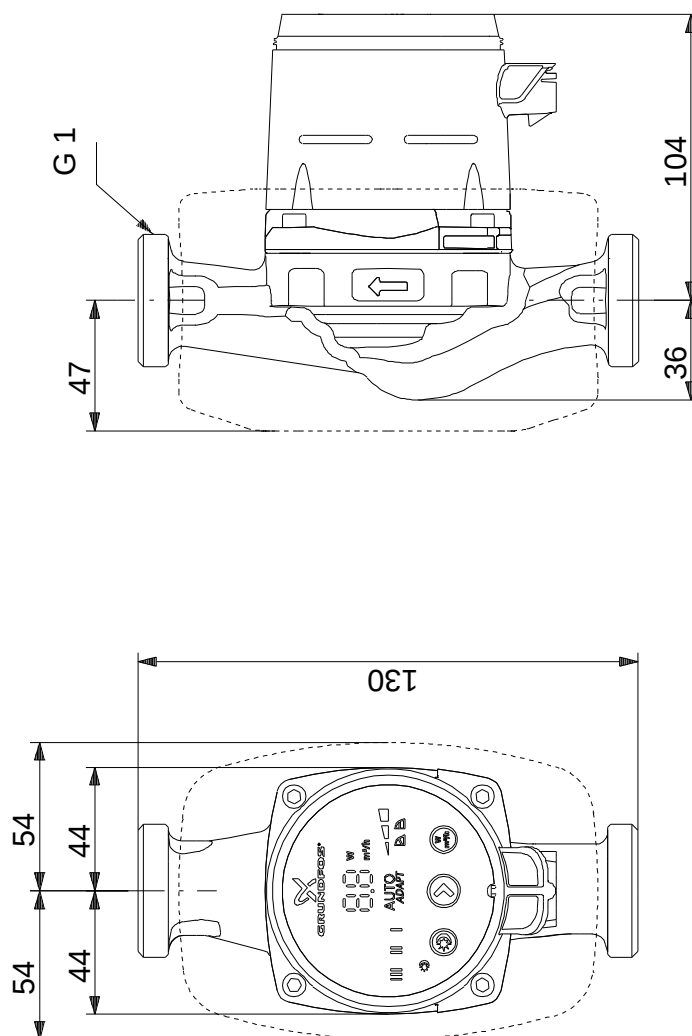
## 99411107 ALPHA2 15-40 130 50 Hz



| Description                                | Valeur                                    |
|--------------------------------------------|-------------------------------------------|
| <b>Information générale:</b>               |                                           |
| Nom produit:                               | ALPHA2 15-40 130                          |
| Code article:                              | 99411107                                  |
| Numéro EAN:                                | 5713828674074                             |
| <b>Technique:</b>                          |                                           |
| Pression maxi:                             | 40 dm                                     |
| Classe TF:                                 | 110                                       |
| Certifications sur la plaque signalétique: | VDE,CE,EAC                                |
| Modèle:                                    | E                                         |
| <b>Matériaux:</b>                          |                                           |
| Corps de pompe:                            | Fonte                                     |
|                                            | EN-GJL-150                                |
|                                            | ASTM A48-150B                             |
| Roue mobile:                               | PES 30%GF                                 |
| <b>Installation:</b>                       |                                           |
| Plage température ambiante:                | 0 .. 40 °C                                |
| Pression maximale de service:              | 10 bar                                    |
| Raccordement tuyauterie:                   | G 1                                       |
| Pression par étage:                        | PN 10                                     |
| Entraxe:                                   | 130 mm                                    |
| <b>Liquide:</b>                            |                                           |
| Liquide pompé:                             | Eau                                       |
| Plage température liquide:                 | 2 .. 110 °C                               |
| Liquid temperature during operation:       | 60 °C                                     |
| Masse volumique:                           | 983.2 kg/m³                               |
| <b>Donnée électrique:</b>                  |                                           |
| Puissance élec.-P1:                        | 3 .. 18 W                                 |
| Fréquence d'alimentation:                  | 50 Hz                                     |
| Tension nominale:                          | 1 x 230 V                                 |
| Intensité maximum consommée:               | 0.04 .. 0.18 A                            |
| Indice de protection (IEC 34-5):           | X4D                                       |
| Classe d'isolement (IEC 85):               | F                                         |
| Protection moteur:                         | AUCUN                                     |
| Protection thermique:                      | ELEC                                      |
| <b>Commandes:</b>                          |                                           |
| Nuit automatique:                          | basculement automatique en régime de nuit |
| Réf boîte à bornes:                        | 6H                                        |
| <b>Autres:</b>                             |                                           |
| Energie (EEI):                             | 0.15                                      |
| Poids net:                                 | 1.73 kg                                   |
| Poids brut:                                | 1.89 kg                                   |
| Colisage:                                  | 0.004 m3                                  |
| Swedish RSK No.:                           | 5758774                                   |

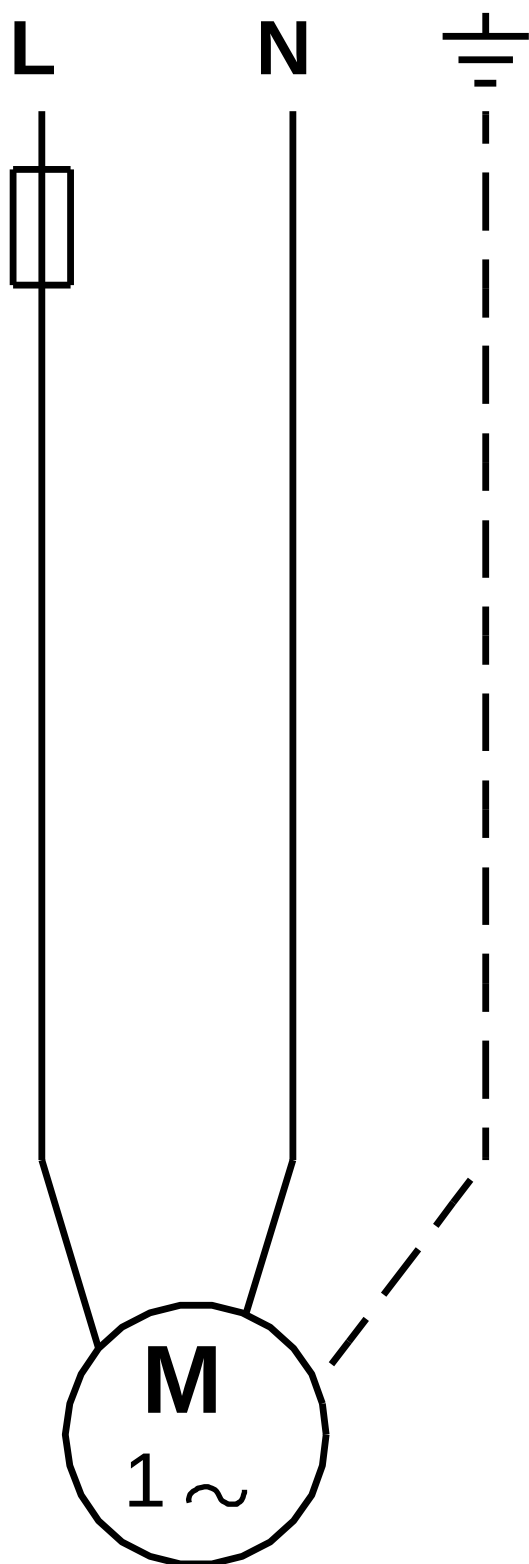


## 99411107 ALPHA2 15-40 130 50 Hz



Remarque: toutes les unités sont en [mm] à moins que d'autres unités soient énoncées.  
 Mise en garde: ce dessin d'encombrement simplifié ne montre pas tous les détails.

**99411107 ALPHA2 15-40 130 50 Hz**



Note ! Toutes les unités sont en [mm] sauf précision contraire.



Nom Société:

Créé par:

Téléphone:

Date: 06/07/2018

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**Données de commande:**

Nom produit: ALPHA2 15-40 130

Quantité: 1

Code article: 99411107

Total: Prix sur demande

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