
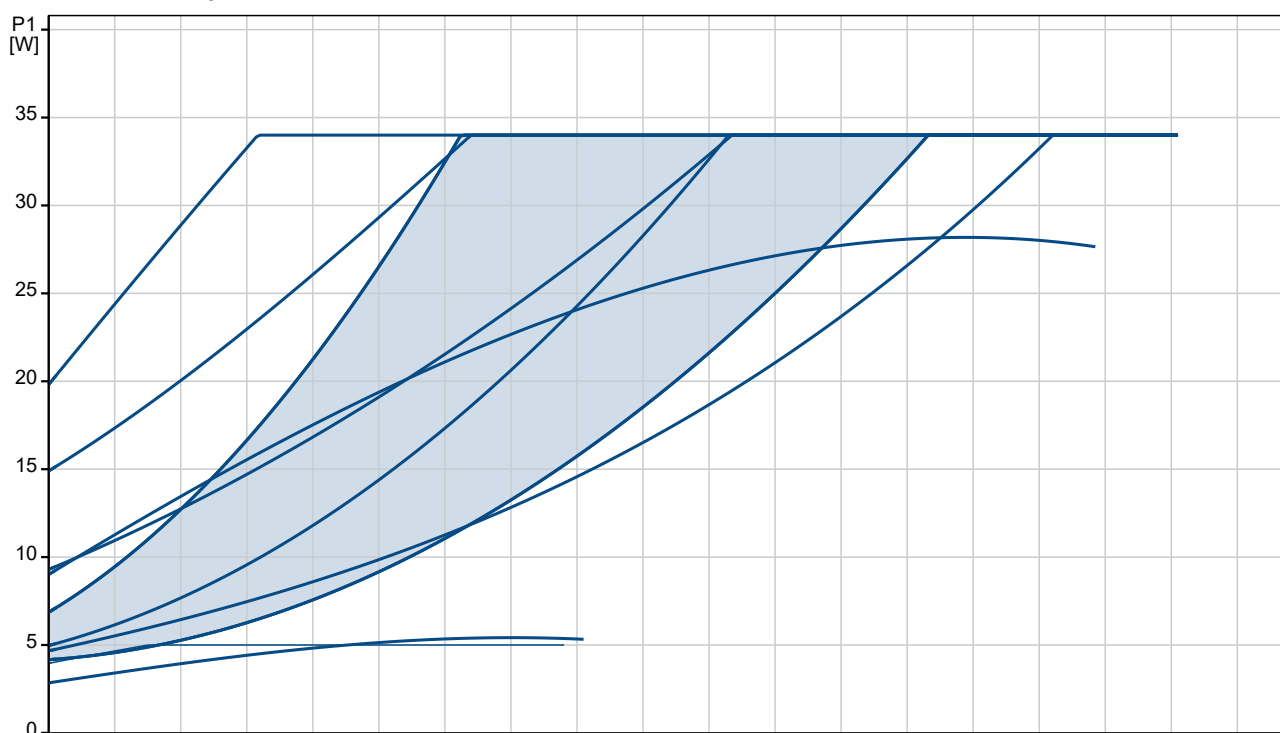
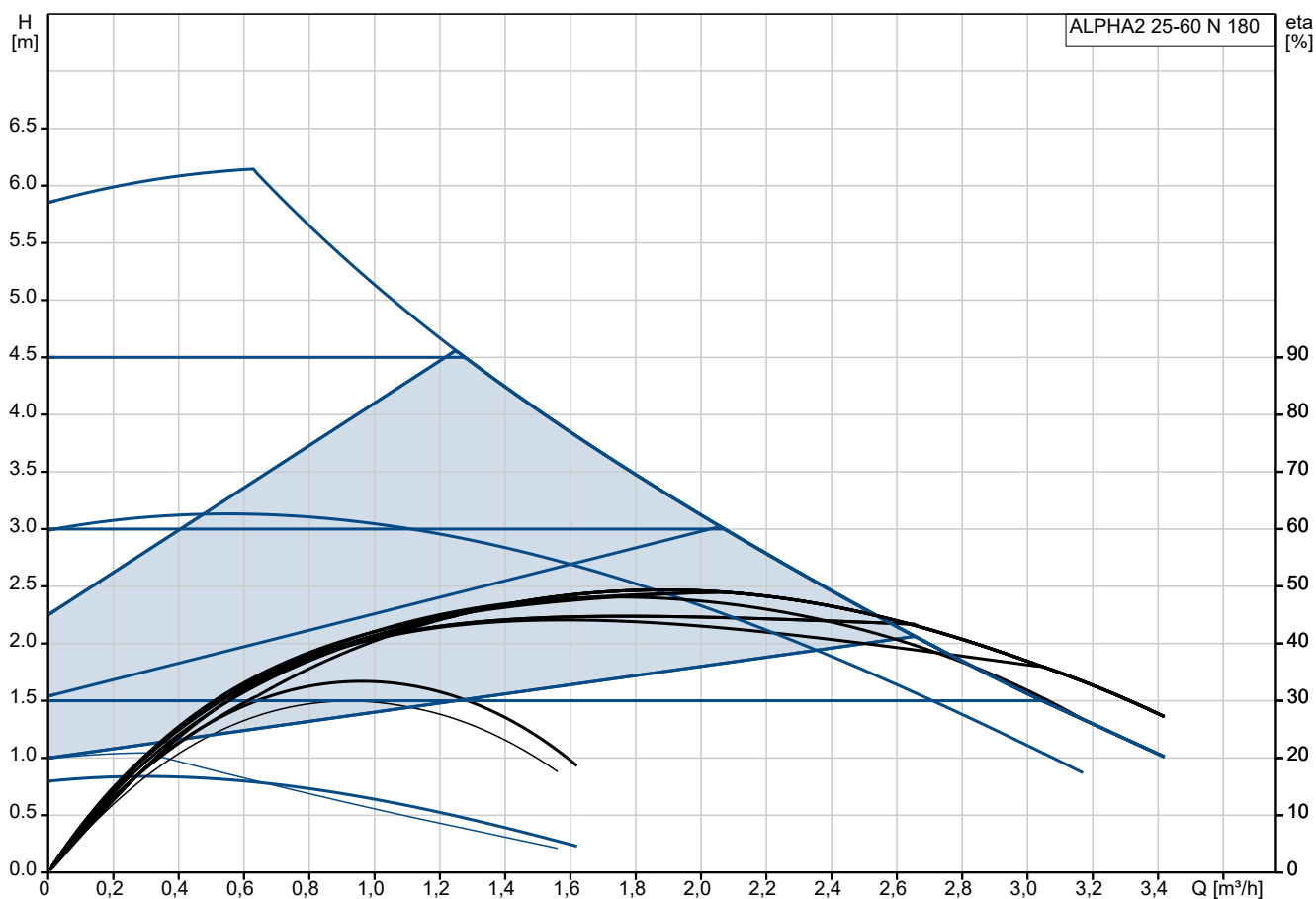
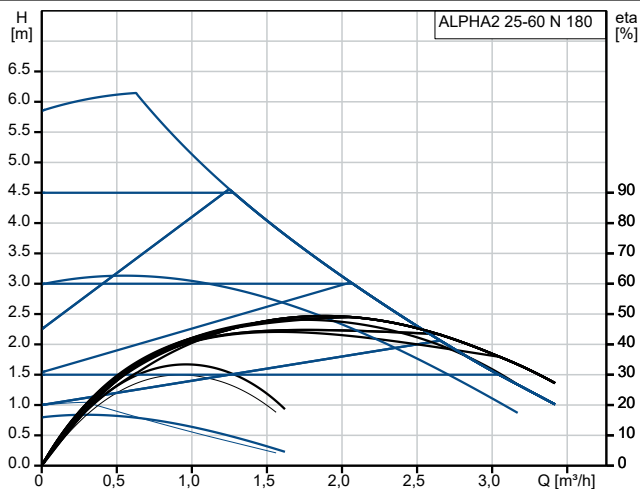


Množstvo	Popis
1	<p><b>ALPHA2 25-60 N 180</b></p>  <p>Poznámka: Obrázok produktu sa môže líšiť od skutočného produktu</p> <p>Objednacie č.: <a href="#">99411424</a></p> <p>Grundfos ALPHA2 high-efficiency circulator pumps are designed for circulating liquids in heating systems. The stainless-steel variant of the ALPHA2 is suitable for e.g. domestic hot-water systems. With an energy efficiency index (EEI) well below the ErP benchmark, it ensures substantial energy savings.</p> <p>The AUTOADAPT function continuously adapts the pump performance to the actual heat demand, i.e. the size of the system and changing heat demand during the year.</p> <p>The AUTOADAPT feature finds the setting that provides optimal comfort with minimal energy consumption and makes the commissioning fast, safe, and easy.</p> <p>ALPHA2 also offers proportional-pressure, constant-pressure and constant-curve control modes.</p> <p>With the automatic night setback function, the pump automatically changes between normal duty and night setback.</p> <p>The changeover depends on the flow-pipe temperature controlled by the heating appliance.</p> <p>In manual summer mode, the pump does not operate but starts automatically at low speed to avoid blocking the rotor as well as sticky valves and non-return valves.</p> <p>Control modes and functions are selected using the buttons on the display. The LEDs indicate the operating status, actual power consumption in watt or actual flow rate in m<sup>3</sup>/h as well as warnings and alarms.</p> <p>Furthermore, ALPHA2 is compatible with ALPHA Reader and the Grundfos GO Balance app, enabling installers to perform easy hydronic balancing of radiator- and underfloor-heating systems.</p> <p>The design and chosen materials of the pump contribute to long life.</p> <p>The pump is self-venting through the system, which contributes to easy commissioning.</p> <p>The compact design, featuring a pump head with an integrated control box, fits into most common installations.</p> <p>Pump and motor form an integral unit without a shaft seal.</p> <p>The bearings are lubricated by the pumped liquid.</p> <p>These constructional features ensure maintenance-free operation.</p> <p>The active dry-running protection feature protects the pump against dry running during startup and normal operation. In case of a blocked rotor, the pump will continuously attempt to restart with highest possible torque.</p> <p>Pump housings made of cast iron are electrocoated to improve corrosion resistance. The motor is a synchronous permanent-magnet/compact-stator motor characterised by high efficiency. The pump speed is controlled by an integrated frequency converter incorporated in the control box.</p> <p>Insulating shells are supplied with pumps to minimise heat loss in heating systems.</p>

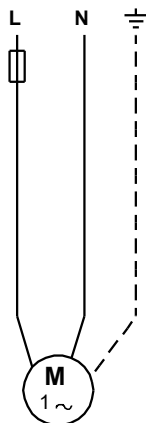
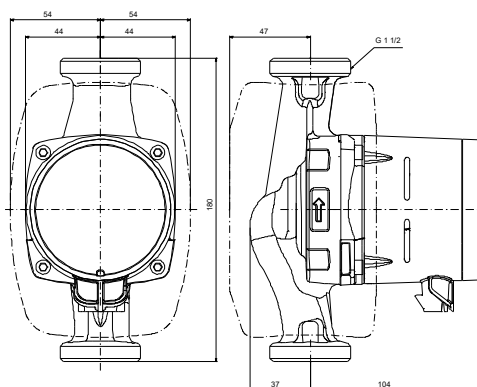
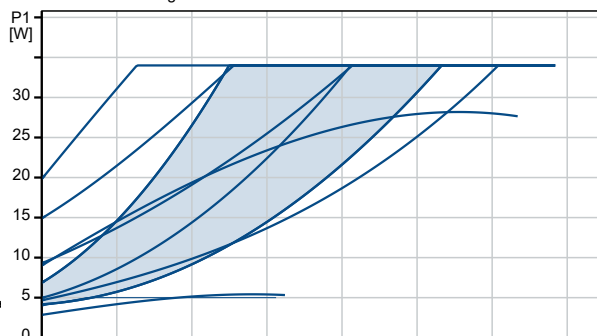
## 99411424 ALPHA2 25-60 N 180



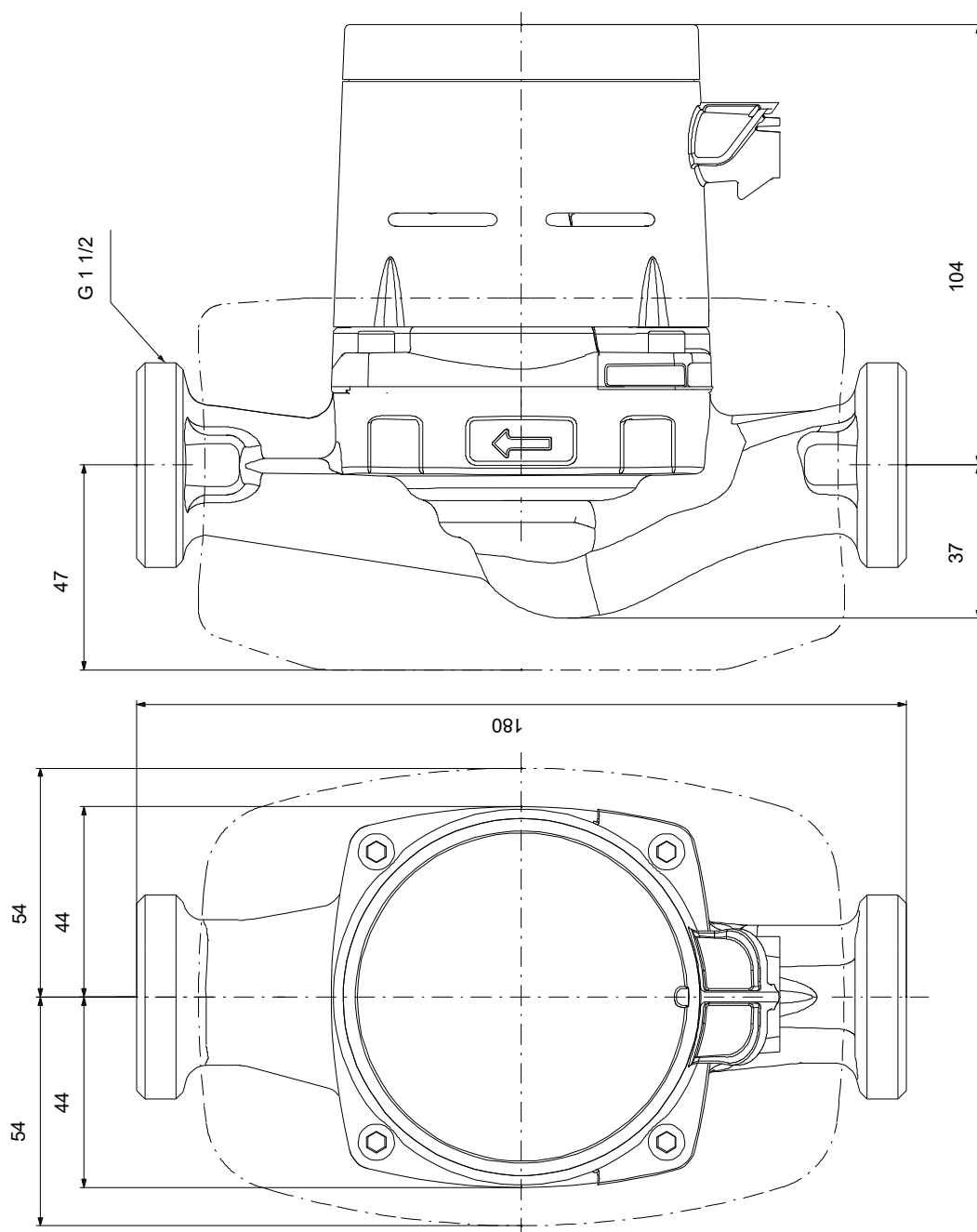
Popis	Hodnota
<b>Všeobecné informácie:</b>	
Názov produktu:	ALPHA2 25-60 N 180
Objednacie číslo:	99411424
Číslo EAN:	5713828679895
Cena:	EUR 890
<b>Techn.:</b>	
Menovitý prietok:	1.94 m³/h
Men.dopravná výška:	3.28 m
Max. výtláčna výška:	60 dm
Trieda TF:	110
Schválenia:	CE,VDE,EAC,RCM,SEPRO
Model:	E
<b>Materiály:</b>	
Teleso čerpadla:	Nehrdzavejúca oceľ
Teleso čerpadla:	EN 1.4308
Teleso čerpadla:	ASTM A351-CF8
Obežné koleso:	Kompozit
Obežné koleso:	PES 30% GF + PESU-GF20%
<b>Inštalácia:</b>	
Rozsah teploty okolia:	0 .. 40 °C
Maximálny prevádzkový tlak:	10 bar
Druh pripojenia:	G
Veľkosť pripojenia:	1 1/2 inch
PN pre potrubnú prípojku:	PN 10
Pripojenie na prip.:	180 mm
<b>Kvapalina:</b>	
Čerpaná kvapalina:	Voda
Rozsah teploty kvapaliny:	2 .. 110 °C
Výbraná teplota kvapaliny:	60 °C
Hustota:	983.2 kg/m³
<b>Elektrické údaje:</b>	
P1 min:	3 W
Príkon P1:	34 W
f:	50 / 60 Hz
Menovité napätie:	1 x 230 V
I MAX:	0.04 .. 0.32 A
Krytie IP:	X4D
Izolácia:	F
Ochrana motora:	ŽIADNY
Teplotná ochrana:	ELEC
<b>Riadiace jednotky:</b>	
Aut. nočná prevádzka:	Y
<b>Iné:</b>	
Energia (EEI):	0.17
Poloha svorkovnice:	6H
Čistá hmotnosť:	2.21 kg
Hrubá hmotnosť:	2.37 kg
Prepravné množstvo:	0.004 m³
Dánčina:	380463160
Švédčina:	5790516
Fínčina:	4615349
Nórčina:	9043166
Krajina pôvodu:	DK
Tarifná klasifikácia č.:	84137030



Čerpaná kvapalina = Voda  
 Teplota kvapaliny počas prevádzky = 60 °C  
 Hustota = 983.2 kg/m³

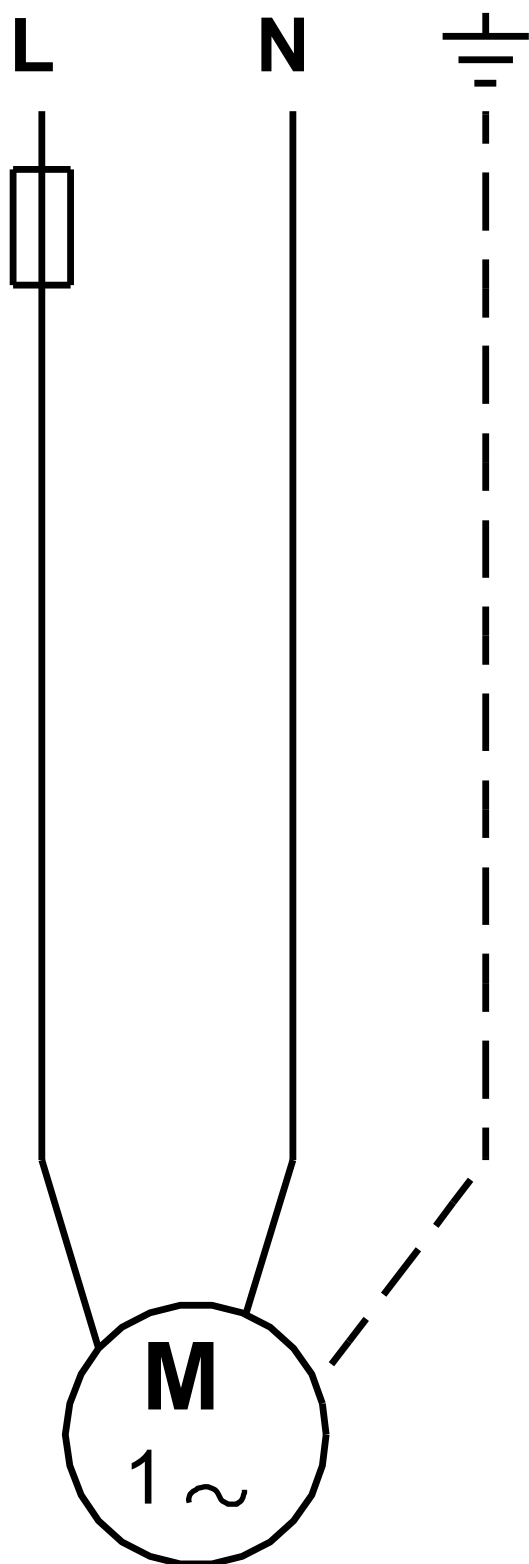


## 99411424 ALPHA2 25-60 N 180

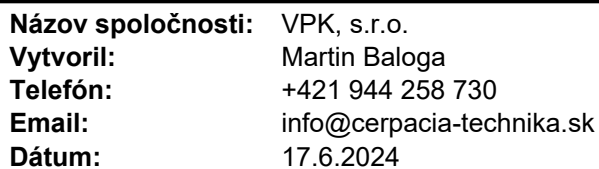


Upozornenie! Všetky jednotky musia byť v [mm], pokiaľ nie je uvedené inak.  
 Poznámka: Tento zjednodušený rozmerový náčrtok nezobrazuje všetky detaily.

**99411424 ALPHA2 25-60 N 180**



Upozornenie! Všetky jednotky sú v [mm], pokiaľ nie je uvedené inak!



Pozícia	Vaša poz.	Názov produktu	Množstvo	Objednacie číslo	Celkom
		ALPHA2 25-60 N 180	1	99411424	890,00 EUR