



## INSTALACIJA & UPUTSTVO ZA UPOTREBU

Hvala vam što ste odabrali toplotnu pumpu Turbo

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**MOLIMO VAS DA PAŽLJIVO PROČITATE I SAČUVATE ZA NAKNADNU UPOTREBU**

Ovaj priručnik Vam pruža potrebne informacije za optimalnu upotrebu i održavanje.



## Upozorenje:

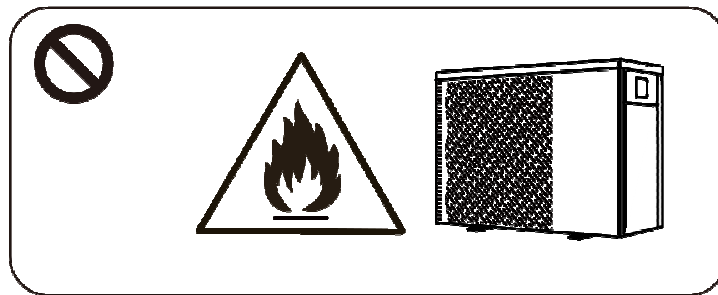
- a. Molimo pročitajte sledeće savete pre instalacije, upotrebe i održavanja.
- b. Instalacije, uklanjanje i održavanje mora izvoditi profesionalno osoblje u skladu sa uputstvima
- c. Ispitivanje curenje gasa mora se obaviti pre i posle ugradnje.

### 1. Upotreba

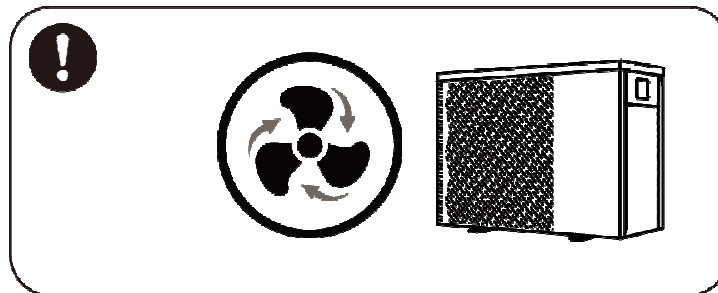
- a. Moraju ga instalirati ili ukloniti profesionalci, a zabranjeno je demontirati i popravljati bez dozvole.
- b. **Ne postavljajte prepreke pred ulaz i izlaz vazduha u/ili iz toplotne pumpe.**

### 2. Instalacija

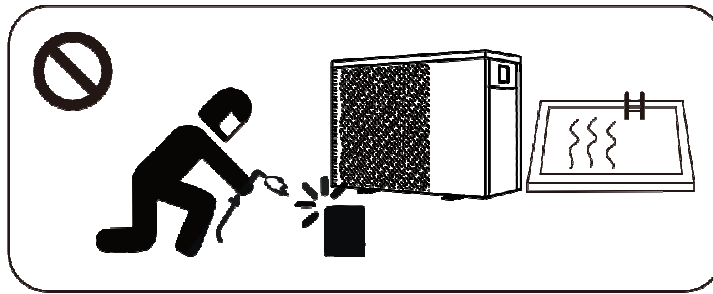
- a. Ovaj proizvod se mora držati dalje od izvora vatre



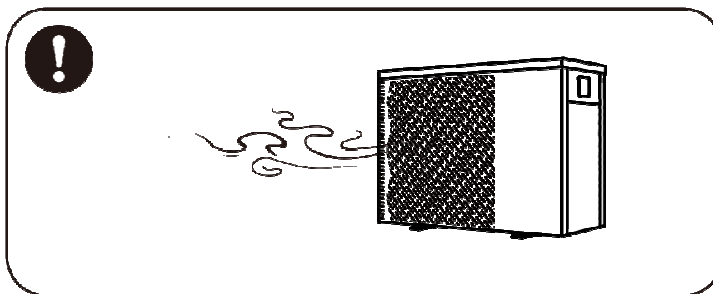
- b. Instalacija ne može biti u zatvorenom okruženju ili zatvorenom prostoru i mora se dobro provetravati.



- c. Potpuno usisajte pre zavarivanja. Zavarivanje na terenu nije dozvoljeno. Zavarivanje može obavljati samo profesionalno osoblje u profesionalnom centru za održavanje.



d. Instalacija se mora zaustaviti ukoliko dođe do curenja plina, i jedinica se mora vratiti u profesionalni centar za održavanje.



### 3. Transport i skladištenje

- Zaptivanje nije dozvoljeno tokom transporta.
- Prevoz robe konstantnom brzinom potreban je da se izbeglo naglo ubrzanje ili naglo kočenje, kako bi se smanjila mogućnost za oštećenje robe tokom transporta.
- Jedinica mora biti daleko od izvora vatre.
- Mesto za odlaganje mora biti svetlo, široko, otvoreno, da poseduje dobru ventilaciju kao i ventilacionu opremu.

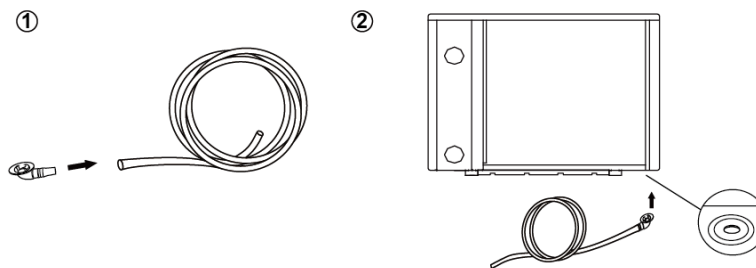
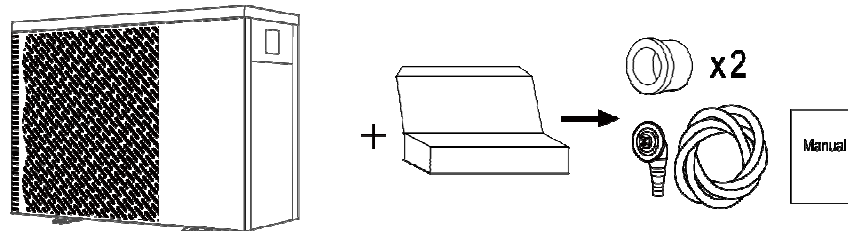
### 4. Napomene o održavanju

- Ako je potrebno održavanje ili popravka, kontaktirajte najbližeg ovlašćenog servisera.
- Kvalifikacioni uslov:  
Svi operateri koji odlažu gas moraju biti ovlašćeni važećim setifikatom izdatim od strane profesionalne agencije.
- Molimo vas da se strogo pridržavate zahteva proizvođača prilikom održavanja ili punjenja gasa. Molimo pogledajte upustvo za tehničku upotrebu

## 1. Opšte informacije

### 1.1. Sadržaj:

Nakon raspakivanja, proverite da li imate sve odgovarajuće komponente



### 1.2. Uslovi rada i domet:

Predmeti	Domet	
	Radni opseg	Temp.vazduha
Temp.podešavanja	Zagrevanje	18°C~40°C
	Hlađenje	12°C~30°C

**Toplotna pumpa će imati idealne performanse u opsegu rada vazduha 15°C~25°C.**

### 1.3. Prednosti različitih načina rada:

Toplotna pumpa ima tri načina rada: Brzi , Pametan i Tihi režim. Različite su prednosti režima pod različitim uslovima.

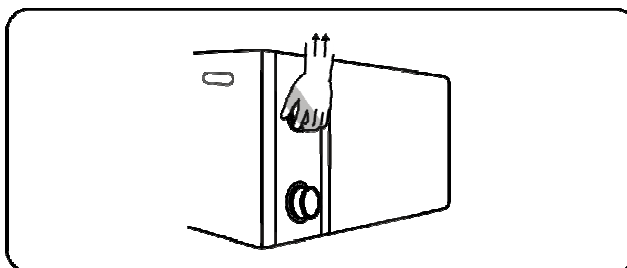
Režim	Prednosti
Turbo režim ▬▬▬	Kapacitet grejanja: 120% Brzo zagrevanje
Pametn režim ▬▬	Kapacitet grejanja: 100%~20% Inteligentna optimizacija prema temperaturi okoline i temperaturi vode Ušteda energije
Tihi režim ▬	Kapacitet zagrevanja: 60%~20% korišćenje noću

#### 1.4. Topla preporuka:

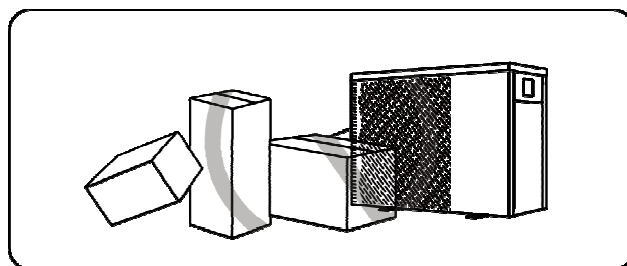
⚠ Ova toplotna pumpa ima funkciju memorije za isključivanje. Kada se napajanje povraća, toplotna pumpa će se automatski ponovo pokrenuti.

1.4.1. Toplotna pumpa se može koristiti samo za zagrevanje vode u bazenu. **NIKADA** se ne može koristiti za zagrevanje druge zapaljive ili mutne tečnosti.

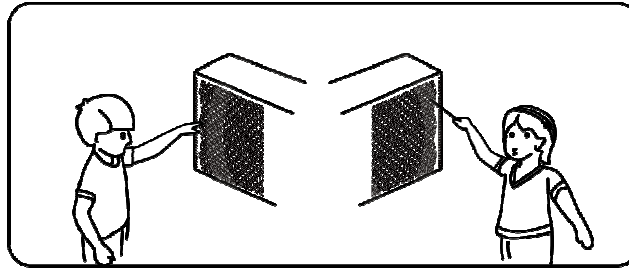
1.4.2. Ne podižite vodenu spojnicu pri pomeranju toplotne pumpe jer će se oštetiti titanijumski izmenjivač toplote unutar toplotne pumpe.



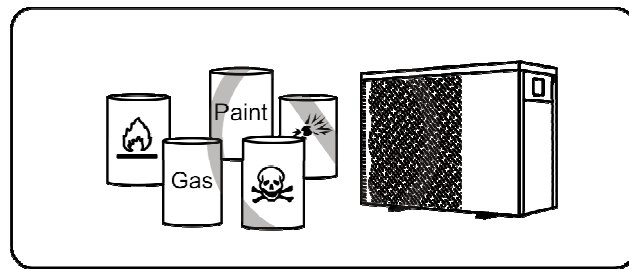
1.4.3. Ne postavljajte prepreke za ulaz i izlaz vazduha u/ili iz toplotne pumpe.



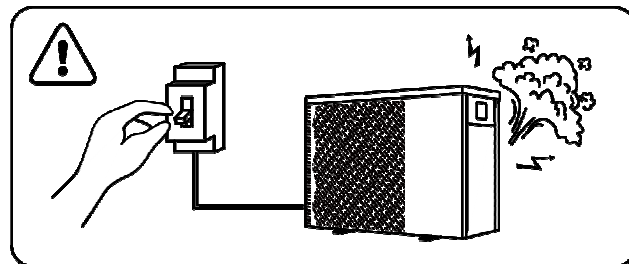
1.4.4. Ne stavljajte ništa na ulaz ili izlaz, jer će se efikasnost toplotne pumpe smanjiti ili čak zaustaviti.



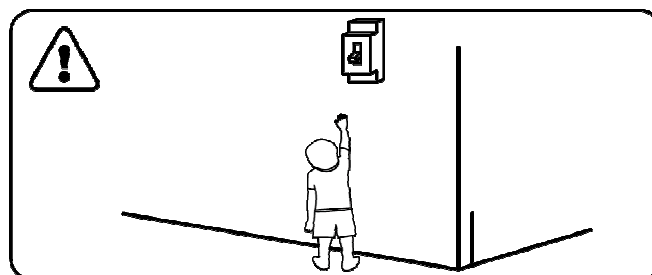
1.4.5. Ne koristite i ne skladištite zapaljivi gas ili tečnost kao što su razređivači boja i gorivo kako biste izbegli požar.



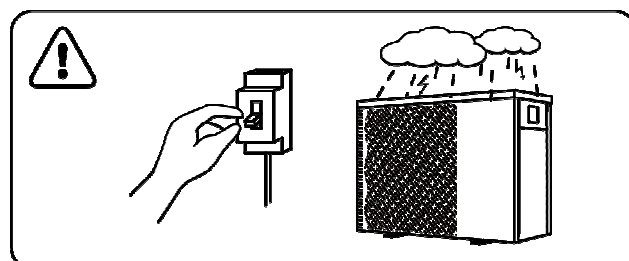
1.4.6. Ako su se dogodile neke neobične okolnosti, npr: **Neobični zvukovi, mirisi, dim i curenje električne energije, odmah isključite glavno napajanje i odmah kontaktirajte vašeg lokalnog prodavca.** Ne pokušavajte sami da popravite toplotnu pumpu.



1.4.7. Glavni prekidač za napajanje treba biti van domašaja dece.



1.4.8. . Molimo vas da isključite struju po olujnom vremenu.



1.4.9. Imajte na umu da sledeći kodovi ne označavaju grešku.

	KODOVI
Nema protoka vode	E3
Podsednik protiv smrzavanja	Ed
Izvan radnog opsega	Eb
Nedovoljan protok vode ili pumpa blokirana	E6
Nenormalna snaga	E5

## 2. Primena

### 2.1. Obaveštenje pre upotrebe:

2.1.1. Za duži životni vek, uverite se da je pumpa za vodu uključena pre uključivanja toplotne pumpe, a pumpa za vodu isključena nakon isključivanja toplotne pumpe.

2.1.2 Uveriti se da ne curi voda na vodovodnom sistemu a zatim otključajte ekran. Pritisnite da biste uključili toplotnu pumpu.

### 2.2. Uputstvo za upotrebu





SIMBOL	OZNAKA	FUNKCIJE
	ON/OFF	Uključivanje On/Off
	Otključavanje/KOd	1. Pritisnite ga tri sekunde kako biste otključali/zaključali ekran. 2. Nakon što se ekran otključa/pritisnite ga da biste odabrali režim. Automatsko (12~40°C) Zagrevanje (18~40°C) Hlađenje(12~30°C)
	Brzina	Odabrati pametan/režim spavanja
	Gore/Dole	Prilagodite podešenu temperaturu

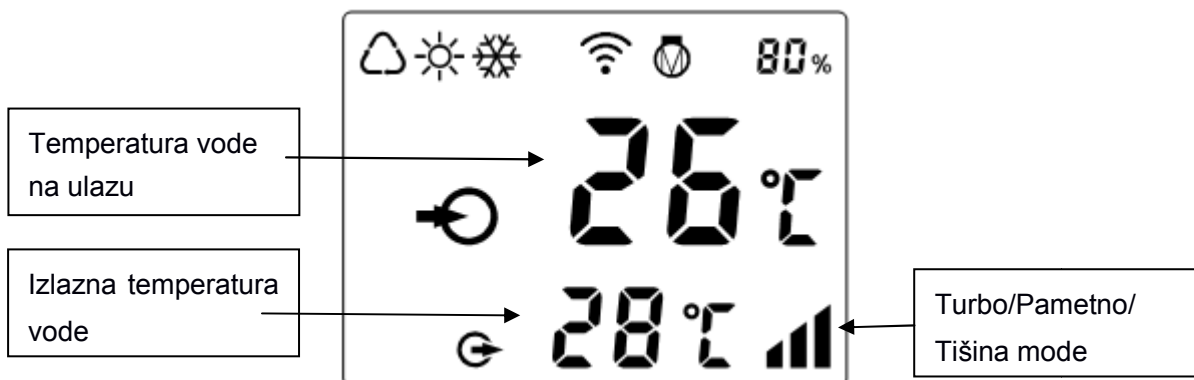
**Napomena:**

① Ekran:





- 1) Ako za 30 sekundi ne bude bilo kakve radnje,ekran će se zaključati.
- 2) Kada je HP isključen, ekran će biti mračan i "0%" će se pojaviti na ekranu .
- 3) Pritisnite na 3 sekunde kako biste zaključali ekran.

② Otključan ekran:


- a) Pritisnite na 3 sekunde da otključate ekran I svetlo će se upaliti.
- b) Jedino kada je uređaj otključan,svako dugme može biti u funkciji.




	Automatsko
	Zagrevanje
	Hlađenje
	Procenat kapaciteta zagrevanja
	Wi-fi konekcija
	Dovod vode
	Izlaz za vodu

1. Uključivanje: Pritisnite  tri sekunde kako biste upalili, zatim pritisnite  kako biste upalili toplotnu pumpu.
2. Podesite podešenu temperaturu: Kada je ekran zaključan, pritisnite  ili  za prikaz ili podešavanje podešene temperature.


3. Režim selekcije: Pritisnite  da odaberete režim.



a. Automatsko  : podesivi opseg temperature 12~40°C

b. Zagrevanje  : podesivi opseg temperature 18~40°C

c. Hlađenje  : podesivi opseg temperature 12~30°C

4. Pametan/režim tišine:

① Pametan režim će se aktivirati kada je toplotna pumpa uključena, na ekranu će se pojaviti .



② Pritisnite  da odaberete režim tišine, I na ekranu će se pojaviti .





(Predlog: odaberite pametan režim za početno zagrevanje)

Pažnja:

- a. Kada koristite Turbo režim, trebalo bi da ga odaberete svaki put, mašina neće ući automatski u Turbo režim.
- b. Tokom Turbo režima, kada mašina dosegne podešenu temperaturu, automatski će se vratiti na Pametan režim.

5. Odmrzavanje

a. Automatsko odmrzavanje: Kada se toplotna pumpa odmrzava,  ona će treptati. Posle odmrzavanja,  prestaće da treperi.

b. Obavezno odmrzavanje: Kada se toplotna pumpa zagreva, pritisnite  i  zajedno na 5 sekundi kako bi se pokrenulo automatsko odmrzavanje, i  počće da treperi. Posle odmrzavanja,  prestaće da treperi.

(Napomena: Obavezni intervali odmrzavanja trebaju biti duži od 30 minuta a kompresor treba da radi duže od 10 minuta.)

6 Temperature display conversion between °C and °F:

Pritisnite "" i "" zajedno 5 sekundi za prebacivanje između °C i °F.

7. WI-fi podešavanje

Pažljivo pročitajte poslednju stranu..

## 2.3. Redovno održavanje i održavanje tokom zimskog perioda

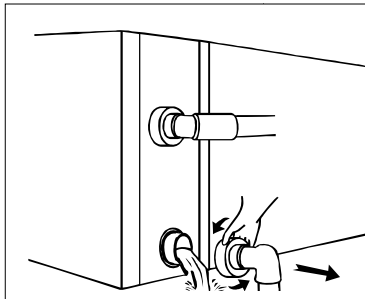
### 2.3.1. Redovno održavanje

**⚠ Ne zaboravite da isključite napajanje toplotne pumpe**

- Isparivač očistite deterdžentima za domaćinstvo ili čistom vodom, **NIKADA** ne koristite benzin, razređivače ili bilo koje slično gorivo.
- Proveravajte zavrtnje, kablove i konekcije redovno

### 2.3.2. Održavanje tokom zimskog perioda

U zimskom periodu kada ne plivate, isključite napajanje i ispustite vodu iz toplotne pumpe. Kada koristite toplotnu pumpu ispod 2 °C, vodite računa da uvek postoji protok vode.



**⚠ Važno:**

Odvrnite vodenu spojnicu dovodne cevi da bi voda tekla van. Kada se voda u mašini zamrzne u zimskom periodu, titanski izmenjivač može biti oštećen.

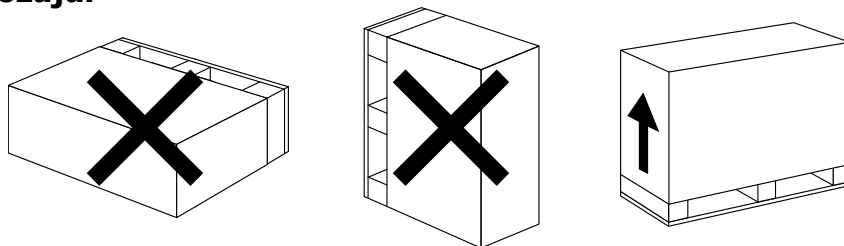
### 3. Tehničke specifikacije

Model	AXCR10	AXCR13	AXCR17	AXCR21	AXCR28	AXCR28T	AXCR35T	AXCR40T
(m <sup>3</sup> )Savetovani obim bazena	20~40	25~50	30~60	40~75	55~100	65~120	65~120	90~160
Temp.radnog vazduha(°C)	-15~43							
Uslov performanci: Vazduh 26°C, Voda 26°C, Vlažnost 80%								
Kapacitet zagrevanja Pametan režim	8.5	11.0	13.8	17.5	21.5	27.0	27.0	35.0
Kapacitet zagrevanja(kW) Turbo režim	10.2	13.2	16.8	21.0	25.5	31.5	31.5	40.0
C.O.P iPametn Režim	7.8	8.2	7.5	7.3	7.8	7.4	7.4	7.3
C.O.P	15.1~7.1	15.0~7.3	15.5~6.4	15.0~6.3	16.0~6.8	15.8~6.3	15.8~6.3	15.8~6.4
C.O.P od 50% brzine	11.4	11.6	11.2	11.2	11.3	11.2	11.2	11.1
Uslov performansi: Vazduh 15°C, Voda26°C, Vlažnost 70%								
Kapacitet zagrevanja (kW) Pametan režim	6.3	7.3	9.4	11.8	14.8	18.0	18.0	24.0
Kapacitet zagrevanja (kW) Turbo režim	7.5	8.8	11.3	14.3	17.5	21.5	21.5	28.0
C.O.P Pametan režim	5.2	5.3	5.0	5.0	5.4	5.3	5.3	5.1
C.O.P	6.9~4.8	6.8~4.9	7.3~4.4	7.8~4.6	7.8~4.9	7.8~4.9	7.8~4.9	7.9~4.7
C.O.P od 50%brzine	6.5	6.5	6.6	6.8	6.8	6.8	6.8	6.7
Uslov performansi: Vazduh 35°C, Voda 28°C, Vlažnost 80%								
Kapacitet hlađenja (kW)	4.4	5.6	6.5	8.0	11.6	13.6	13.6	16.0
Zvučni pritisak na 1 m dB(A)	38.5~45.5	38.6~46.9	42.0~47.7	42.9~50.8	40.8~51.2	43.3~51.9	43.3~51.9	42.5~51.7
Zvučni pritisak od 50% capacity at 1m dB(A)	39.5	41.3	43.7	44.5	44.4	46.4	46.4	43.8
Zvučni pritisak na 10m dB(A)	18.5~25.5	18.6~26.9	22.0~27.7	22.9~30.8	20.8~31.2	23.3~31.9	23.3~31.9	22.5~31.7
Napajanje	230V/1 Ph/50Hz						400V/3 Ph/50Hz	
Nazivna ulazna snaga(kW) na vazduhu od 15°C	0.18~1.53	0.22~1.8	0.26~2.56	0.31~3.08	0.38~3.53	0.46~4.4	0.46~4.4	0.60~5.94
Nazivna ulazna struja) na vazduhu od 15°C	0.78~6.65	0.96~7.82	1.14~11.3	1.35~13.4	1.65~15.3	2.01~19.1	0.66~6.35	0.87~8.57
Savetovani vodeni tok (m <sup>3</sup> /h)	2~4	3~4	4~6	6.5~8.5	8~10	10~12	10~12	12~18
Voda za cev za izlaz spec (mm)	50							
Neto dimenzije Lx WxH (mm)	799×432 ×650	893×432 ×650	939×432 ×650	995×432 ×750	1125×429 ×952	1074×539 ×947	1074×539 ×947	1260×539 ×947
Neto težina (kg)	51	61	65	70	98	102	111	126

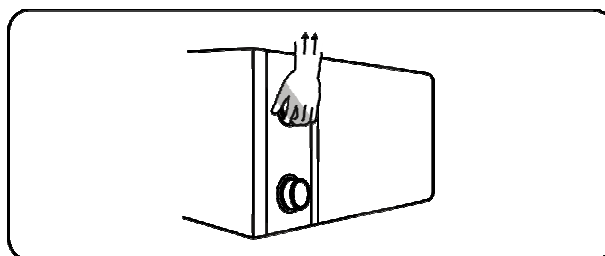
- Navedene vrednosti važe u idealnim uslovima: Bazen prekriven izotermnim poklopcem, sistem za filtriranje koji radi najmanje 15 sati dnevno.
- Povezani parametri podležu periodičnom prilagođavanju radi tehničkog poboljšanja bez daljeg obaveštenja. Za detalje pogledajte pločicu sa podacima.

## 1. Prevoz

1.1. Pri skladištenju Ili pomeranju toplotne pumpe, toplotna pumpa treba da bude u uspravnom položaju.



1.2. Kada pomerate toplotnu pumpu, nemojte dizati vodeni spoj jer će se oštetiti izmenjivač toplote od titana unutar toplotne pumpe.

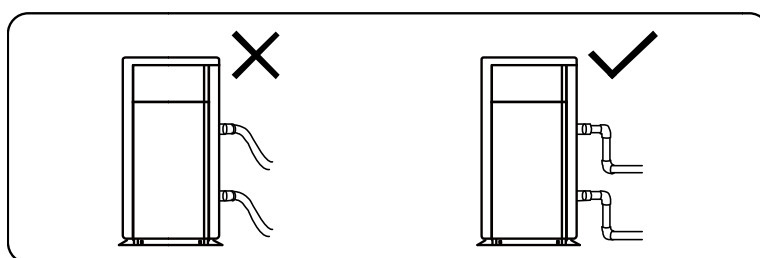


## 2. Instalacija I održavanje

**⚠** Toplotnu pumpu mora instalirati profesionalni tim. Korisnici nisu kvalifikovani za samostalnu izgradnju, inače bi toplotna pumpa mogla biti oštećena I rizična po bezbednost korisnika.

### 2.1. Obaveštenje pre upotrebe:

2.1.1. Sindikati za dovod I odvod vode ne mogu podneti težinu mekih cevi. Toplotna pumpa mora biti povezana čvrstim cevima.

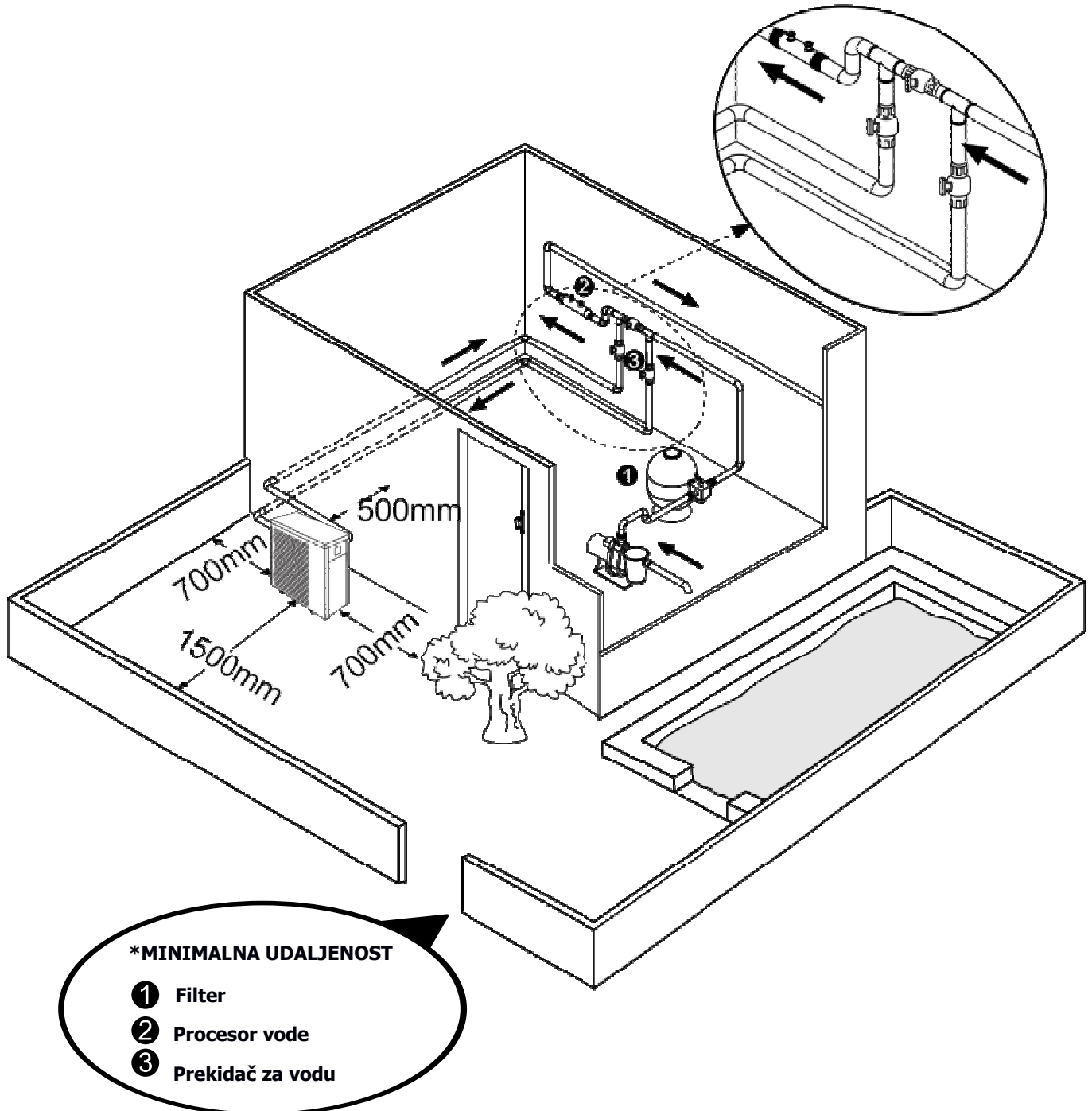


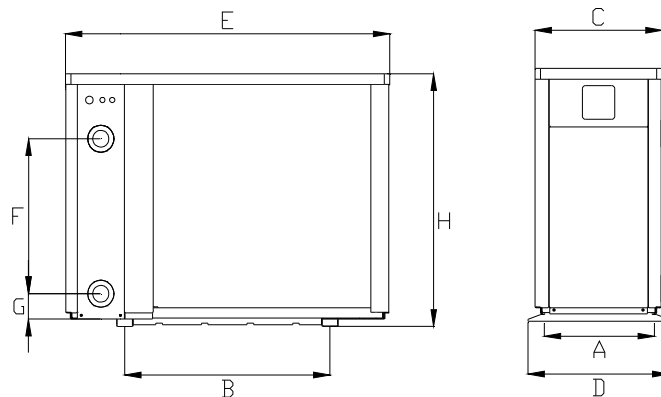
2.1.2. Da bi se zagarantovala efikasnost grejanja, dužina vodovone cevi mora da bude  $\leq 10\text{M}$  između bazena I vodene pumpe.

## 2.2. Instrukcije za instalaciju

### 2.2. Lokacija i dimenzija

⚠ Da bi se izbegla recirkulacija vazduha, toplotnu pumpu treba instalirati na mestu sa dobrom izolacijom ili treba rezervisati dovoljno prostora za ugradnju i održavanje. Pogledajte donju šemu:





UNIT=MM		A	B	C	D	E	F	G	H
Model	<b>AXCR10</b>	407	434	390	432	799	300	74	650
	<b>AXCR13</b>	407	528	390	432	893	280	74	650
	<b>AXCR17</b>	407	574	390	432	939	350	74	650
	<b>AXCR21</b>	407	630	390	432	995	460	74	750
	<b>AXCR28</b>	404	760	384	429	1125	600	74	952
	<b>AXCR28T</b>	514	710	493	539	1074	640	74	947
	<b>AXCR35T</b>	514	710	493	539	1074	640	74	947
	<b>AXCR40T</b>	514	900	493	539	1264	650	74	947

※ Gore navedeni podaci mogu se izmeniti bez najave.

### 2.2.2. Instalacija toplotne pumpe.

- Okvir mora biti fiksiran vijcima (**M10**) na betonski temelj ili zgrade. Betonski temelj mora biti čvrst, nosač mora biti dovoljno čvrst, i tretiran protiv rđe
- Toplotnoj pumpi je potrebna pumpa za vodu (**Isporučuje korisnik**). Preporučeni protok specifikacije pumpe: pogledaj Tehnički parametar, Max. lift **≥10m**

Kada toplotna pumpa radi, sa dna će se ispuštati kondenzovana voda, obratite pažnju na nju. Umetnite drenažnu cev (pribor) u rupu i dobro je zakopčajte, a zatim spojite cev za odvod kondenzacione vode

### 2.2.3 Ožičenje i zaštitni uređaji i specifikacije kablova

- Priključite na odgovarajuće napajanje, napon treba da bude u skladu sa nazivnim naponom proizvoda.
- Pa uzemljite vodenu pumpu.
- Ožičenje mora povezati profesionalni tehničar prema šemi kola.
- Prekidač ili osigurač podesite prema lokalnom kodu (struja curenja  $\leq 30\text{mA}$ ).
- Raspored kablova za napajanje i signalnog kablova treba da bude uredan i da ne utiče jedni na druge.

**!** 1. Povezivanje zica za napajanje

1

2

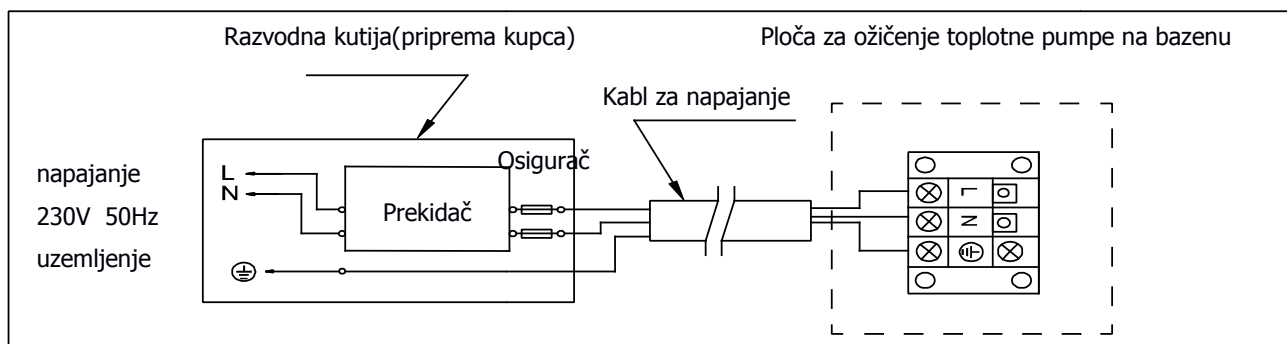
3

4

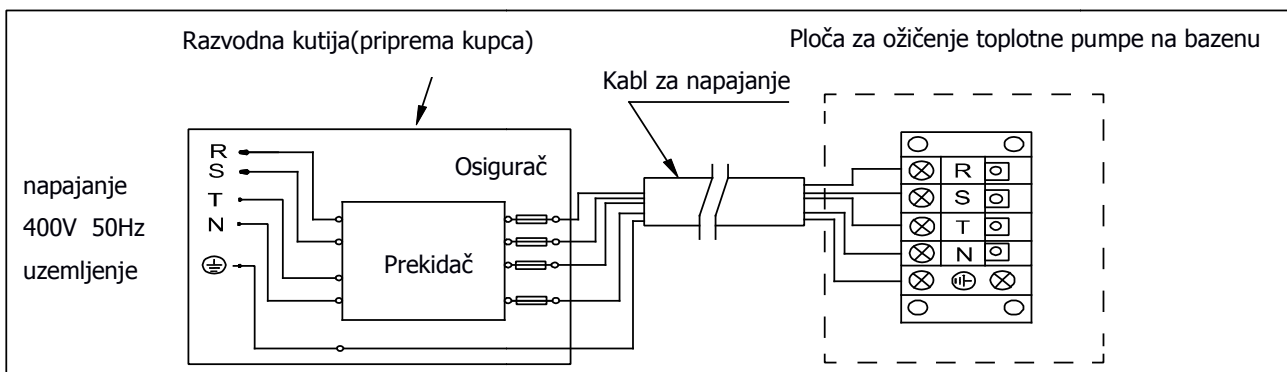
- ✧ Koristite poprečni odvijač da biste skinuli 2 vijka na dnu desne bočne stranice. Skinite donju polovinu panela.
- ✧ Odvrnite 3 vijka na poklopcu električne kutije.
- ✧ Spojite terminale prema električnoj šemi.

**!** 2. Wiring diagram

**A. Za napajanje: 230V 50Hz**



**B. Za napajanje: 400V 50Hz**





## NAPOMENA:

**!** Mora biti ožičen, nije dozvoljen utikač.

- Za vašu sigurnu upotrebu zimi, toplo se preporučuje da opremite funkciju prioriteta grejanja.
- Detaljan dijagram ožičenja potražite u Dodatku 1

### 3. Opcije za zaštitu uređaja i specifikacije kablova

MODEL		AXCR10	AXCR13	AXCR17	AXCR21	AXCR28	AXCR28T	AXCR35T	AXCR40T
Prekidač	Nominalna struja A	12.0	15.0	19.0	22.5	24.5	28.5	11.3	15.0
	Nazivna trenutna preostala struja mA	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
Osigurač A		12.0	15.0	19.0	22.5	24.5	28.5	11.3	15.0
Kabl za napajanje (mm <sup>2</sup> )		<b>3×2.5</b>	<b>3×2.5</b>	<b>3×4</b>	<b>3×4</b>	<b>3×6</b>	<b>3×6</b>	5×2.5	5×2.5
Signalni kabl (mm <sup>2</sup> )		<b>3×0.5</b>	<b>3×0.5</b>	<b>3×0.5</b>	<b>3×0.5</b>	<b>3×0.5</b>	<b>3×0.5</b>	<b>3×0.5</b>	<b>3×0.5</b>

**Napomena: Gore navedeni podaci prilagođeni su kablju za napajanje ≤ 10m. Iako je kabl za napajanje >10m, prečnik žice mora biti povećan. Signalni kabl se može produžiti na najviše 50m.**

### 2.3. Probno nakon instalacije

**!** Molimo pažljivo proverite sva ožičenja pre uključivanja toplotne pumpe.

#### 2.3.1. Inspekcija pre upotrebe

- Proverite ugradnju cele toplotne pumpe i cevni priključak prema crtežu za povezivanje cevi;
- Proverite električno ožičenje prema šemi električnog ožičenja i priključku za uzemljenje;
- Uverite se da je glavno napajanje dobro povezano;
- Proverite da li postoji prepreka ispred ulaza i izlaza vazduha toplotne pumpe

#### 2.3.2. Proba

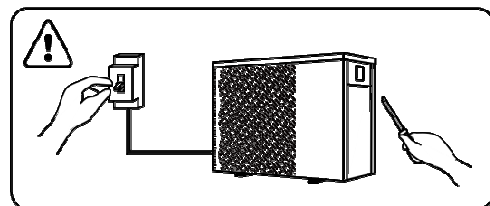
- Korisniku se savetuje da pokrene pumpu za vodu pre toplotne pumpe i da isključi toplotnu pumpu pre pumpe za vodu za duži vek trajanja.
- Korisnik treba da pokrene pumpu za vodu i proveriti da li curi voda; Uključite i pritisnite dugme ON / OFF toplotne pumpe i podesite željenu temperaturu u termostatu.
- Da bi zaštitila toplotnu pumpu, toplotna pumpa je opremljena funkcijom odlaganja starta. Prilikom pokretanja toplotne pumpe, ventilator će početi da radi za 3 minuta, za još 30 sekundi kompresor će početi da radi.
- Nakon pokretanja toplotne pumpe u bazenu, proverite da li postoji bilo kakva abnormalna buka toplotne pumpe.
- Proverite podešavanje temperature.

## 2.4. Održavanje i održavanje tokom zimskog perioda

### 2.4.1 Održavanje

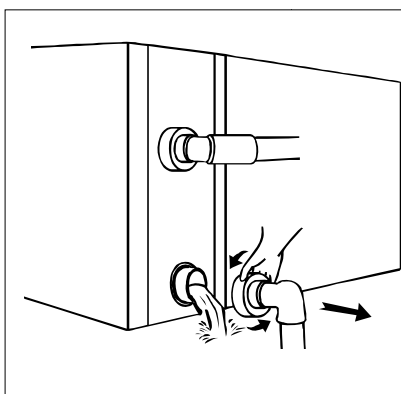
**!** Održavanje treba da obavlja jednom godišnje kvalifikovani profesionalni tehničar

- Isključite napajanje toplotne pumpe pre čišćenja, ispitivanja i popravljanja. Ne dodirujte elektronske komponente dok LED indikaciona svetla PCB se isključuju
- Isparivač očistite deterđentima za domaćinstvo ili čistom vodom, NIKAD ne koristite benzin, razređivače ili bilo koje drugo gorivo.
- Redovno proveravajte vijke kablove i veze.



### 2.4.2 Zimovanje

U zimskom periodu kada ne plivate, isključite napajanje i ispustite vodu iz toplotne pumpe. Kada koristite toplotnu pumpu ispod 2, vodite računa da uvek postoji protok vode.



#### **!** Važno:

Odvrnite vodenu spojnicu dovodne cevi da bi voda tekla van. Kada se voda u mašini zamrzne u zimskom periodu, titanski izmenjivač može biti oštećen.

## 3. Rešavanje problema sa uobičajenim greškama

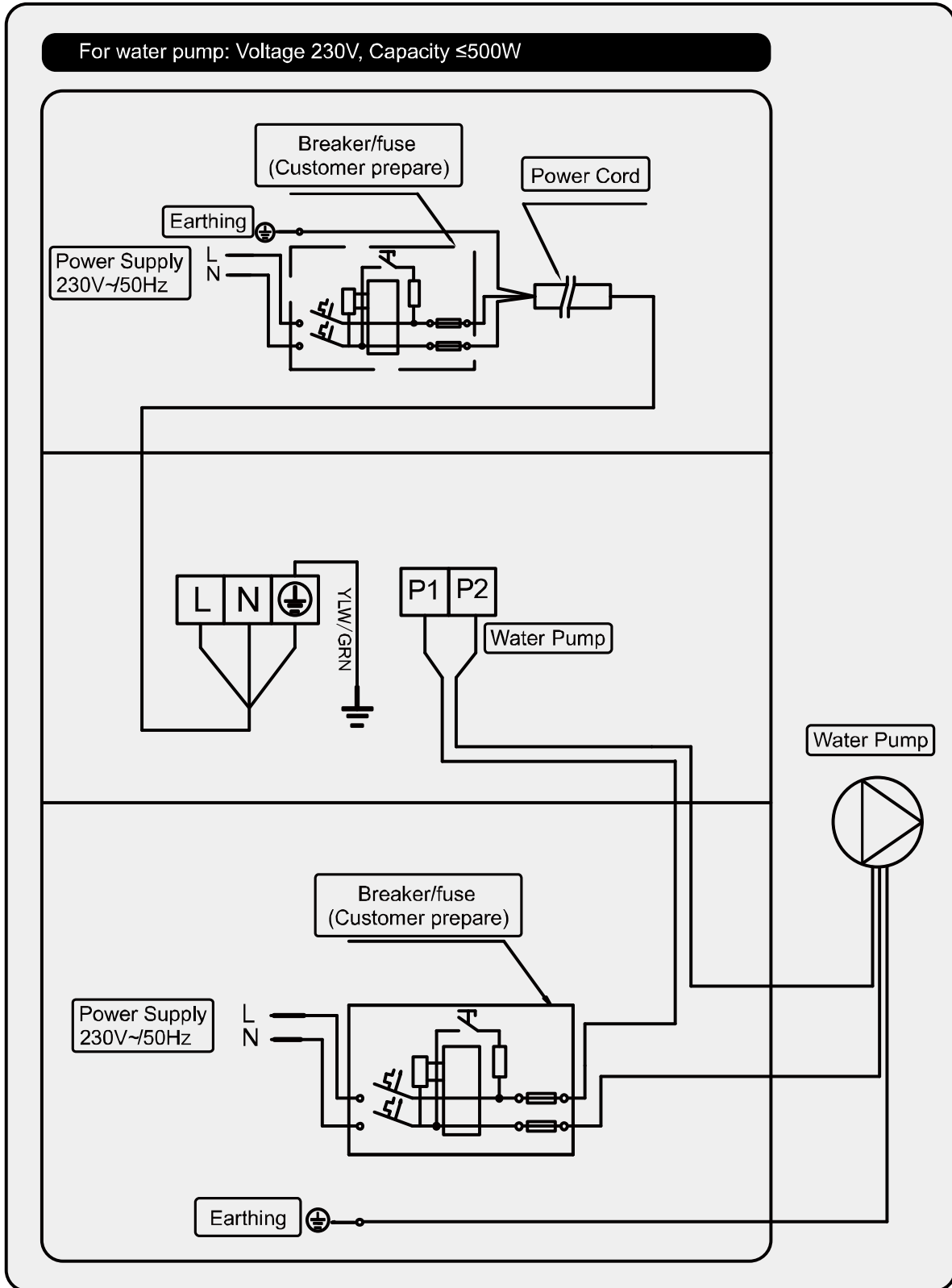
Greške	Razlog	Rešenja
Vodena pumpa ne radi	Nema struje	Sačekajte dok struja dođe
	Prekidač za napajanje je isključen	Uključite prekidač za napajanje
	Osigurač je pregoreo	Proverite i zamenite osigurač
	Prekidač je isključen	Proverite i uključite prekidač
Ventilator radi, ali nedovoljnim grejanjem	Isparivač blokiran	Uklonite prepreke
	Izlaz za vazduh je blokiran	Uklonite prepreke
	3 minuta odlaganja starta	Sačekajte strpljivo
Ekran je normalan, ali nema grejanja	Podesi, temp. niska	Podesite odgov. temperaturu grejanja
	3 minuta odlaganja starta	Sačekajte pažljivo
Ako navedena rešenja ne funkcionišu, kontaktirajte vašeg instalatera sa detaljnim informacijama i brojem modela. Ne pokušavajte sami da popravljate.		

**Pažnja! Molimo vas da ne pokušavate sami da popravite toplotnu pumpu kako biste izbegli rizik.**

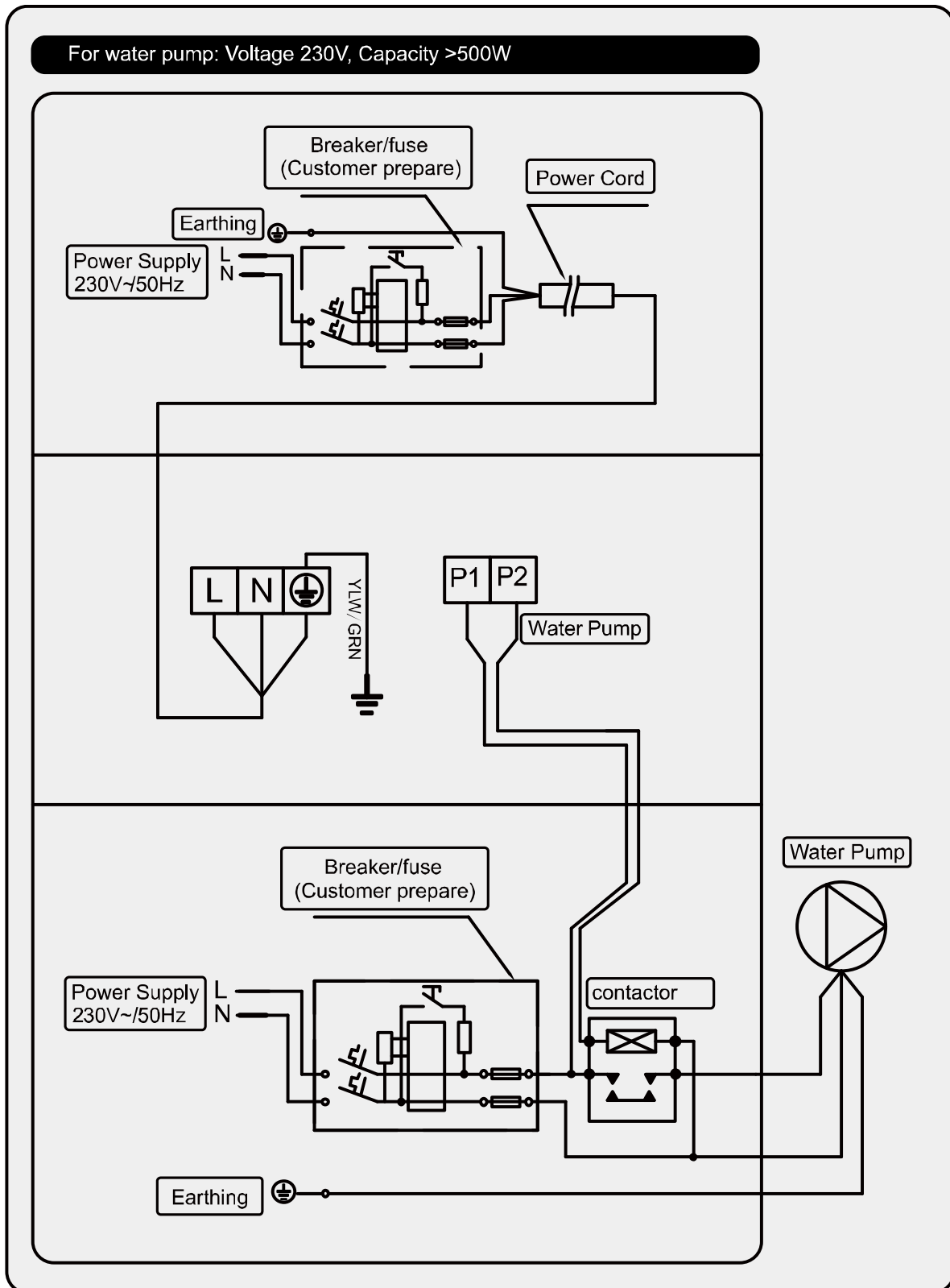
## 4. Kod kvara

Red.br.	EKRAN	OPIS KVARA
1	E3	Nema zastite od vode
2	E5	Prekoraceno napajanje opsega rada
3	E6	Prekomerna razlika temperature između ulazne i izlazne vode (nedovoljna zastita od protoka vode)
4	Eb	Zastita temperature ambijenta previsoka ili preniska
5	Ed	Podsetnik protiv zamrzavanja
Red.br.	EKRAN	OPIS KVARA
1	E1	Zastita od visokog pritiska
2	E2	Zastita od niskog pritiska
3	E4	3 faze slaganja zastite (samo tri faze)
4	E7	Izlazna temperatura vode pod previsokom ili preniskom zastitom
5	E8	Zastita od visoke temperature izduvnih gasova
6	EA	Zastita od pregrevanja isparivaca (samo u režimu hladjenja)
7	P0	Greska komunikacije
8	P1	Kvar senzora temperature ulaznog voda
9	P2	Kvar senzora temperature pri ispustu vode
10	P3	Kvar senzora temperature ispusta gasa
11	P4	Kvar senzora temperatura namotaja isparivača
12	P5	Kvar senzora temperature hladnjaka zavojnice
13	P6	Kvar senzora temperature ambijenta
14	P7	Kvar senzora rashladne
15	P8	Kvar senzora rashladne ploče
16	P9	Trenutni kvar senzora
17	PA	Greška zbog restartovanja memorije
18	F1	Kvar modula pogona kompresora
19	F2	Greška PFC režima
20	F3	Greška startovanja kompresora
21	F4	Greška pokretanja kompresora
22	F5	Zaštita od trenutnog pregrevanja ploče pretvarača
23	F6	Zaštita od pregrevanja ploče pretvarača
24	F7	Trenutna zaštita
25	F8	Zaštita od pregrevanja ploče za hlađenje
26	F9	Kvar motora ventilatora
27	Fb	Pločasti filter za napajanje bez zaštite
28	FA	PFC režim rada preko strujne zaštite

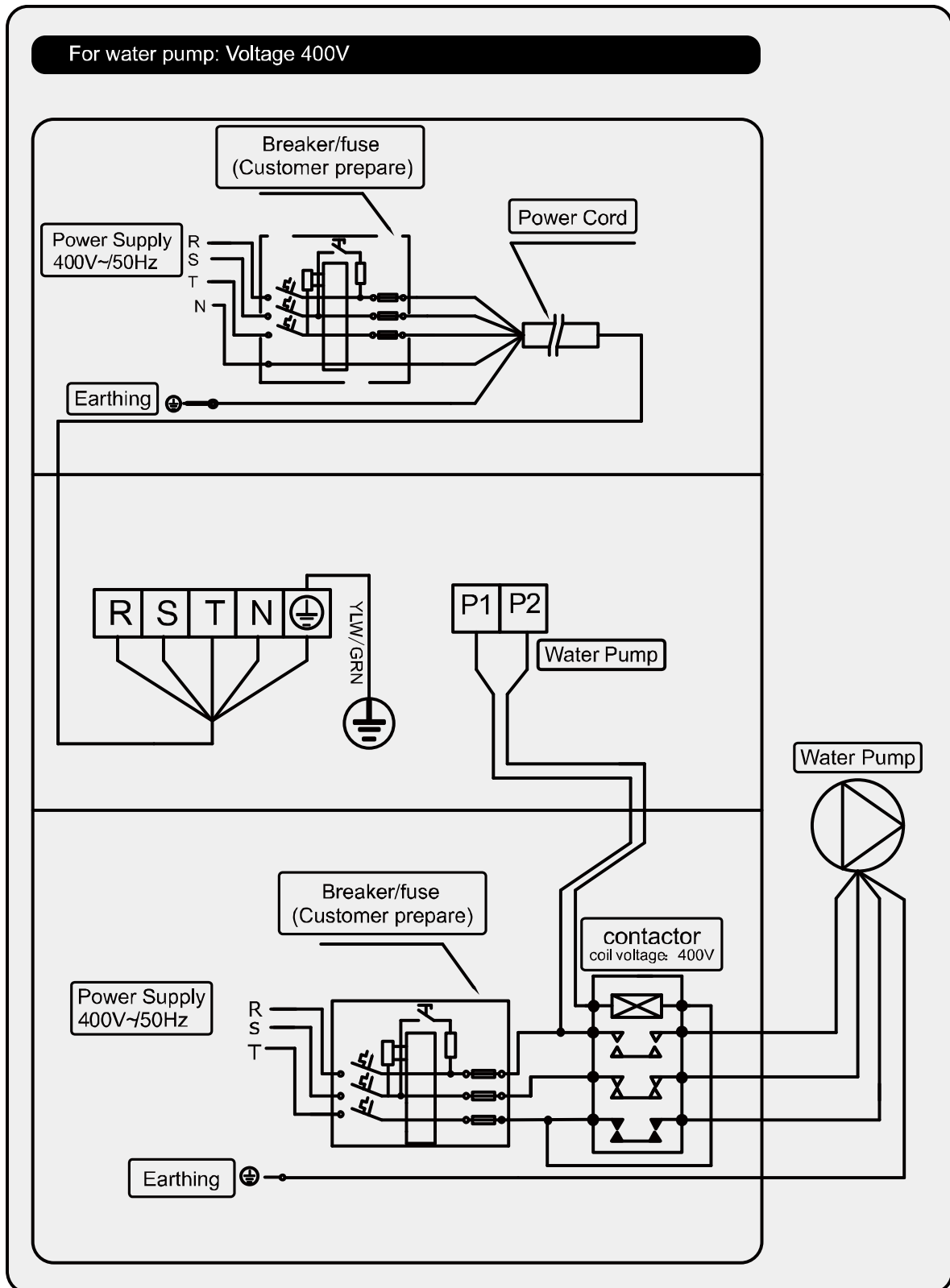
**Dodatak 1: Šema ožičenja sa prioriteto grejanja( opcionalno)**



## Dodatak 2: Šema ožičenja prioriteta grejanja (Opcionalno)

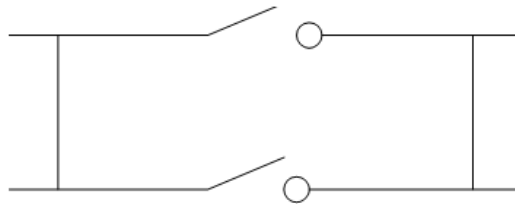


**Dodatak 3: Šema ožičenja prioriteta grejanja (opcionalno)**



Paralelna veza sa satom za filtriranje

A: Tajmer pumpe za vodu



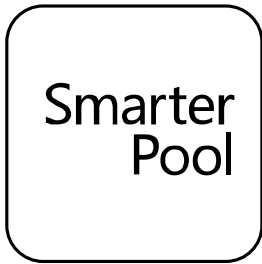
B: Ožičenje pumpe za vodu toplotne pumpe

**Napomena:**

Instalater treba da veže A paralelu sa B( na gornjoj slici).Da bi se pokrenula pumpa za vodu,priključeni su uslovi A ili B. Da biste zaustavili pumpu za vodu , I A I B treba isključiti.

## 5. Wifi Podešavanja

### 1) Skidanje aplikacije



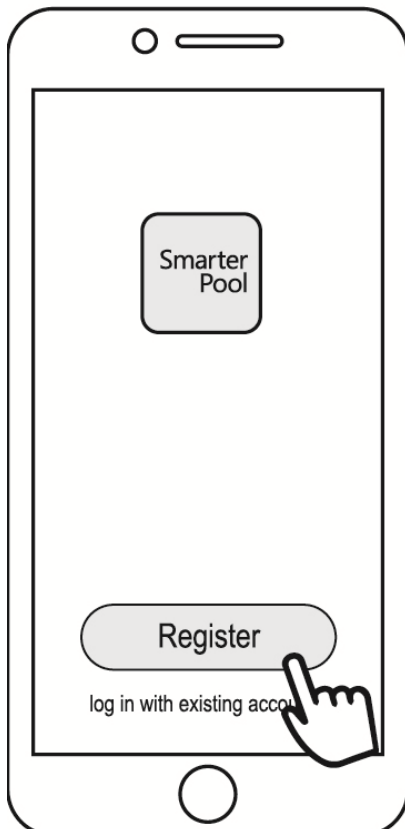
Korisnici android telefona skinite sa :

Korisnici iphone telefona skinite sa :



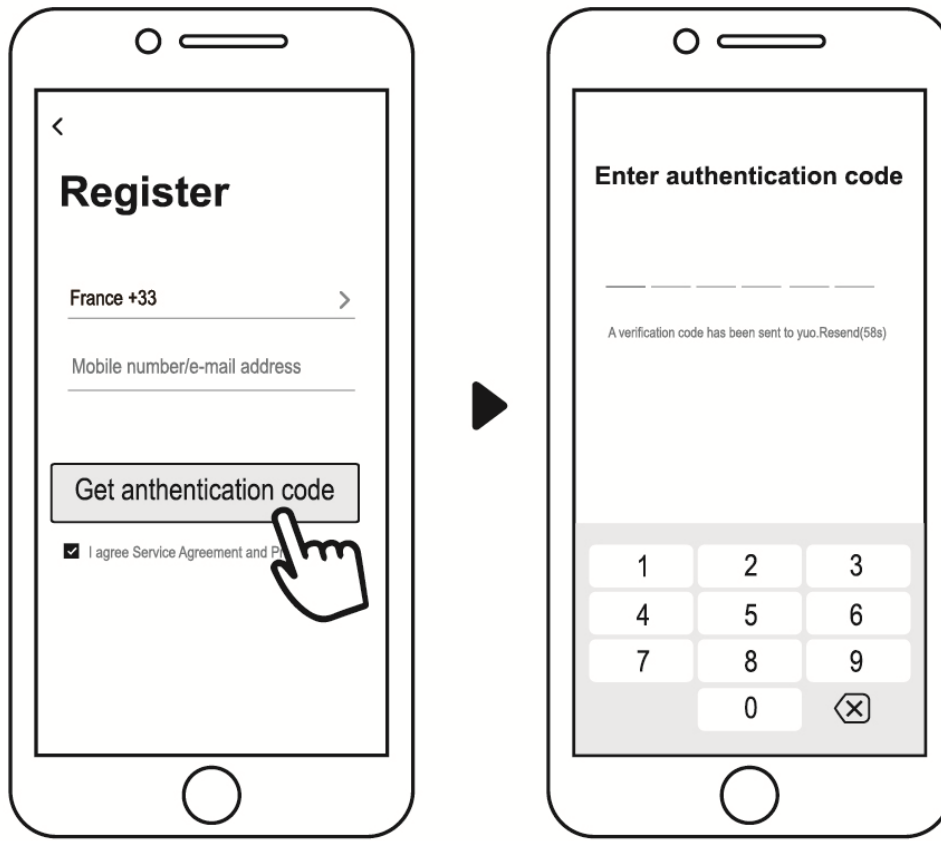
### 2) Registracija racuna

#### a) Registracija brojem mobilnog telefona/e mailom



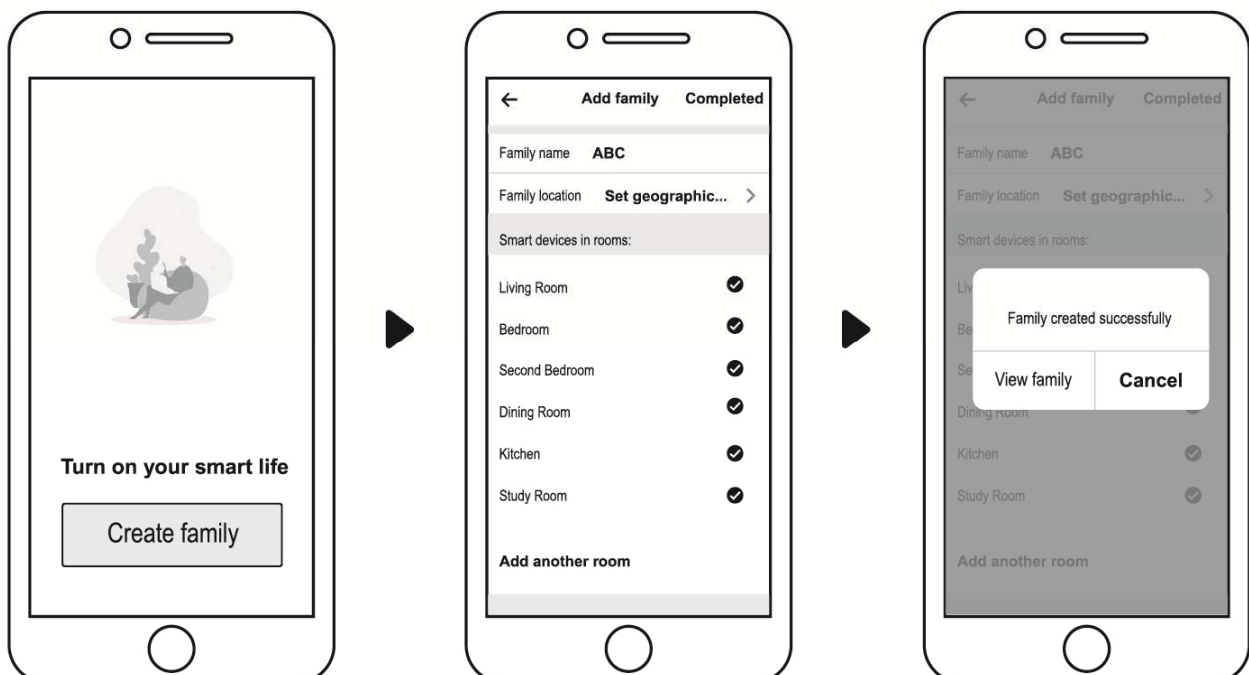


b) Registracija preko mobilnog broja



3) Napravite nalog



Molimo izaberite nalog I izaberite polje uređaja




#### 4) Povezivanje aplikacije

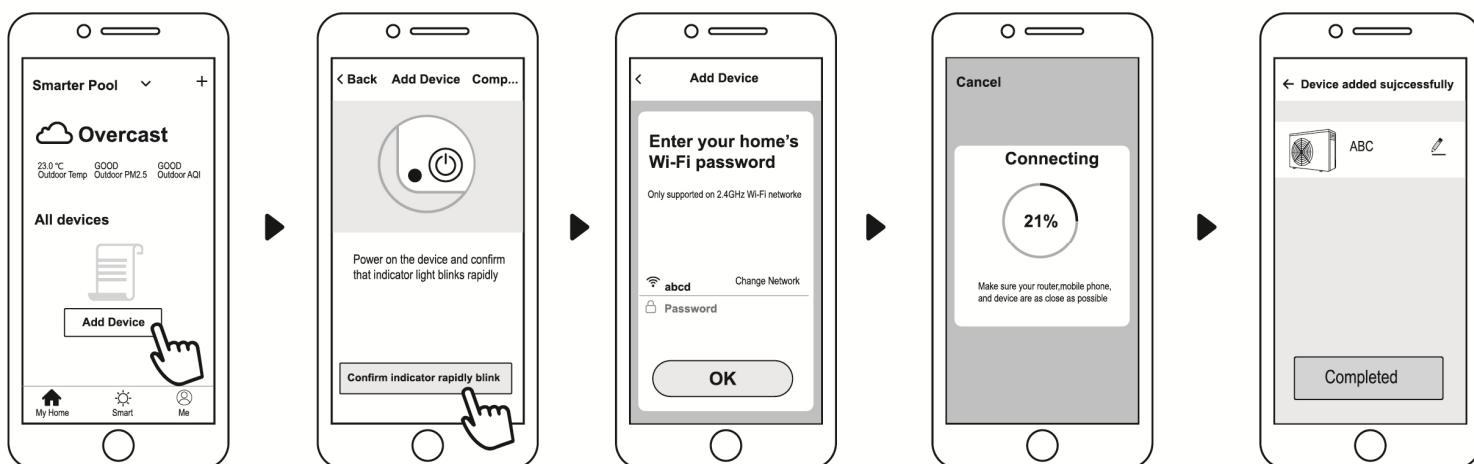
Uverite se da je vaš telefon povezan na Wifi

##### a) Wifi konekcija:

Press Pritisnite  3 sekunde nakon otlučavanja ekran će početi da treperi  da biste ušli u WI FI podešavanja.






b) Pritisnite "dodaj uređaj", pratite instrukcije kako biste završili povezivanje.  dodaj uređaj Prikazati na ekranu kada WI FI veza uspe.



c) Ako povezivanje ne uspe, uverite se da je ime i lozinka tačno upisana. A ruter, mobilni telefon i uređaj što bliže.

d) Ponovno vezivanje Wi-Fi (Kada se Wi-Fi lozinka promeni ili mrežna konfiguracija promeni)

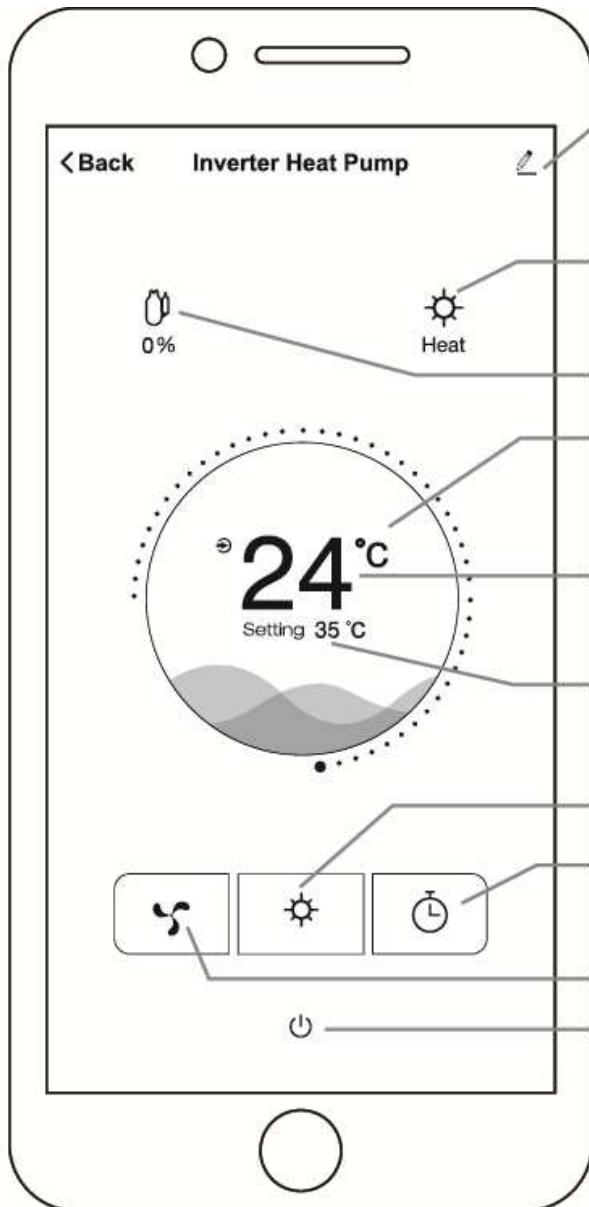
Pritisnite  za 10 sekundi,  počće da treperi polako 60 sekundi.  Zatim će se

isključiti. Originalno vezivanje će biti uklonjeno. Sledite gornji korak za ponovno povezivanje.

Napomena: Uverite se da je ruter konfigurisan na 2.4G.

5) Operacija

Primena Za toplotnu pumpu sa funkcijom Grejanja i Hlađenja



Mehr ⇌

Freigabegeräte

Navedeni status  
Grejanja / Hlađenja

Kapacitet grejanja u  
procentima

Odaberi °C/°F

Trenutna temperatura vode u  
bazenu

Podešavanje temperature

Opcija Grejanje/funkcija hlađenja

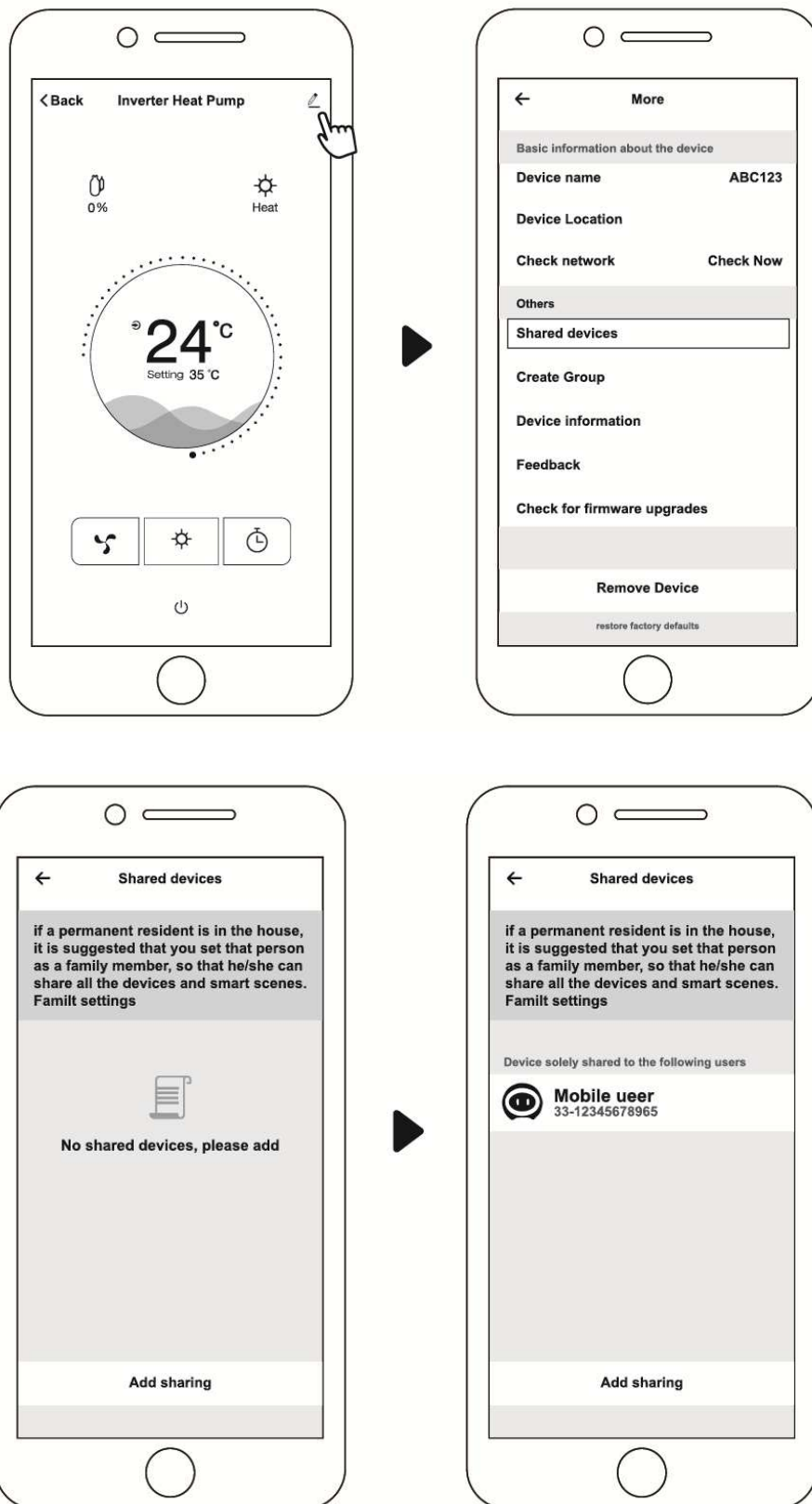
Timer

Opcije Pametan/režim  
spavanja

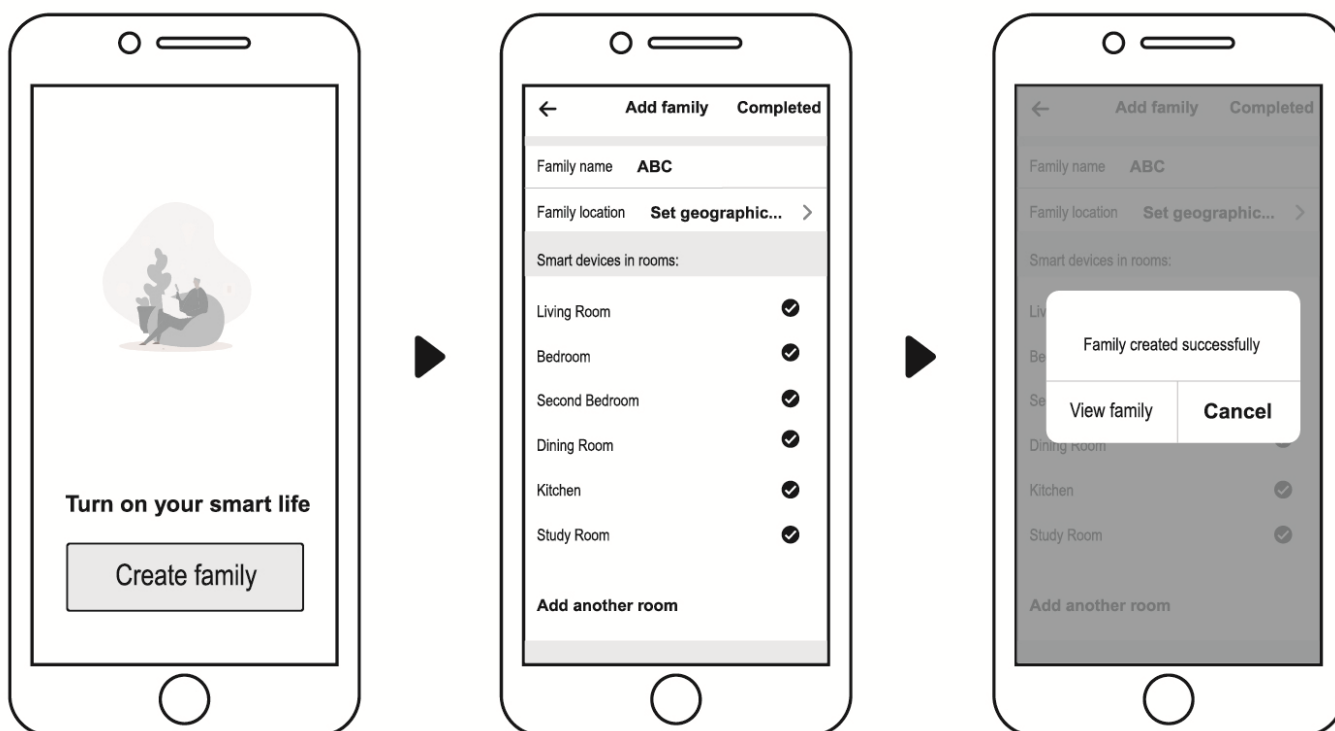
On/Off

## 6) Deljenje uređaja sa članovima porodice

Nakon povezivanja, ako i članovi Vaše porodice žele da kontrolišu uređaj dozvolite da članovi Vaše porodice prvo preuzmu aplikaciju, zatim administrator može da radi na sledeći način :



Članovi vaše porodice se mogu ulogovati na sledeći način:



Napomena: 1. Vremenska prognoza je samo za referencu

2. Aplikacija se može ažurirati bez najave



# INSTALLATION & USER MANUAL

Thank you for choosing Turbo Silence heat

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**PLEASE READ IT CAREFULLY AND KEEP IT FOR SUBSEQUENT USE**

This manual provides you necessary information for optimal use and maintenance



## Warning:

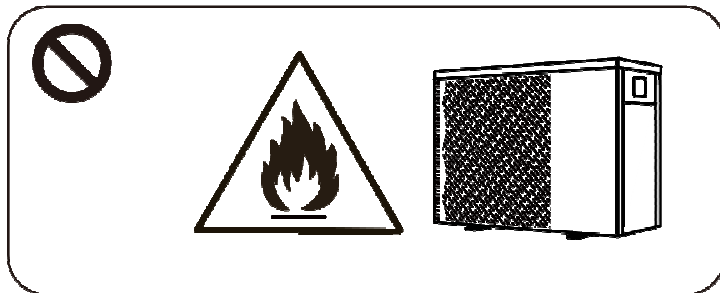
- Please read the following tips before installation, use and maintenance.
- Installation, removal and maintenance must be carried out by Professional personnel in accordance with the instructions.
- Gas leakage test must be done before and after installation.

### 1. Use

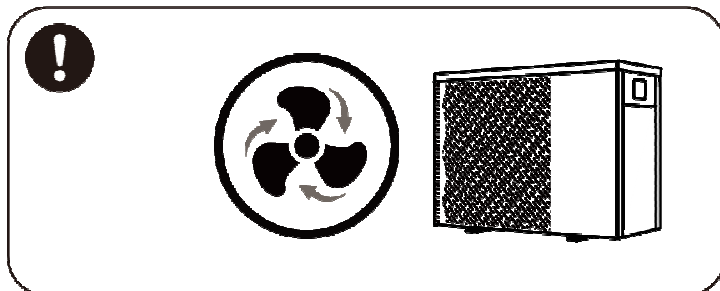
- It must be installed or removed by professionals, and it is forbidden to dismantle and refit without permission.
- Don't put obstacles before the air inlet and outlet of the heat pump.**

### 2. Installation

- This product must be kept away from any source of fire.

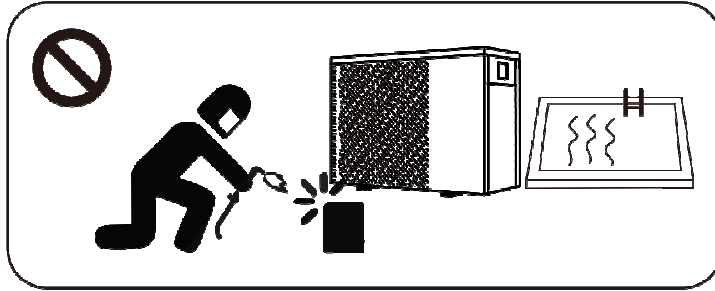


- The installation can't be in a closed environment or indoors, and must be kept well ventilated.

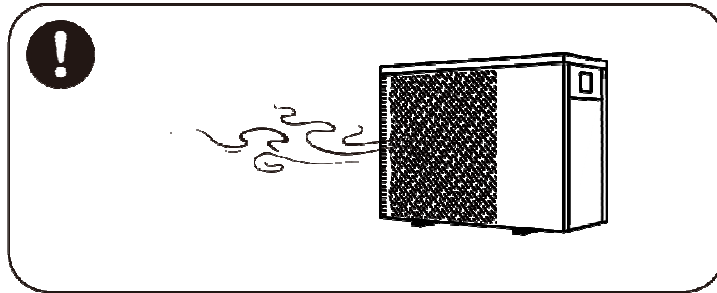




- c. Vacuum completely before welding, field welding is not allowed, welding can only be performed by professional personnel in professional maintenance center.



- d. Installation must be stopped if any gas leakage, and the unit must be returned to professional maintenance center.



### 3. Transportation & Storage

- Sealing is not allowed during transportation
- Transporting goods at a constant speed is needed to avoid sudden acceleration or sudden braking, so as to reduce the collision of goods.
- The unit must be far away from any source of fire.
- Storage place must be bright, wide, open and good ventilation, ventilation equipment is required.

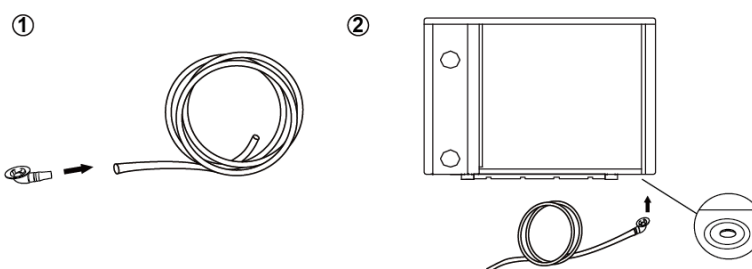
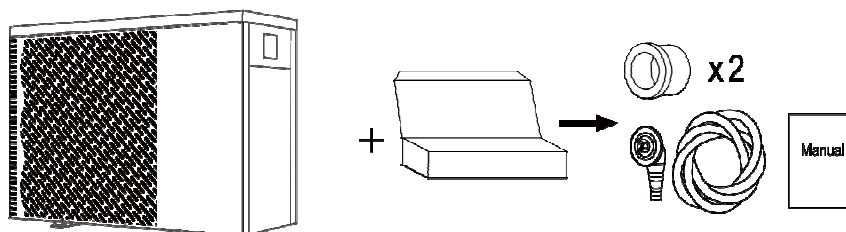
### 4. Maintenance Notice

- If maintenance or scrap is required, contact an authorized service center nearby
- Qualification requirement  
All operators who dispose gas must be qualified by valid certification which issued by professional agency.
- Please strictly comply with the requirement from manufacturer when maintenance or filling gas. Please refer to the technical service manual.

## 1. General information

### 1.1. Contents:

After unpacking, please check if you have all the following components.






### 1.2. Operating conditions and range:

ITEMS		RANGE
Operating range	Air temp	-15°C ~ 43°C
Temp. setting	heating	18°C ~ 40°C
	Cooling	12°C ~ 30°C

The heat pump will have ideal performance in the operation range Air 15°C ~ 25°C.

### 1.3. Advantages of different modes:

The heat pump has three modes: Turbo, Smart and Silence. They have different advantages under different conditions.

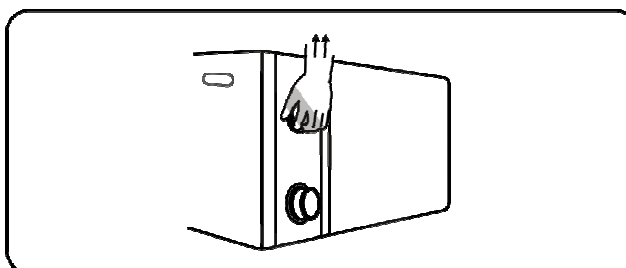
MODE	ADVANTAGES
Turbo mode 	Heating capacity: 120% Fast heating
Smart mode 	Heating capacity: 100%~20% Intelligent optimization according to ambient temperature and water temperature Energy efficiently saving
Silence mode 	Heating capacity: 60%~20% Use at night

#### 1.4. Kind reminder:

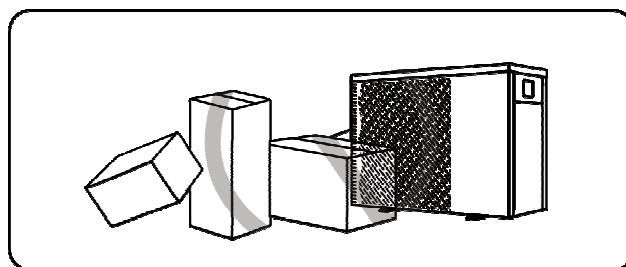
**⚠** This heat pump has Power-off memory function. When the power is recovered, the heat pump will restart automatically.

1.4.1. The heat pump can only be used to heat the pool water. **It can NEVER** be used to heat other flammable or turbid liquid.

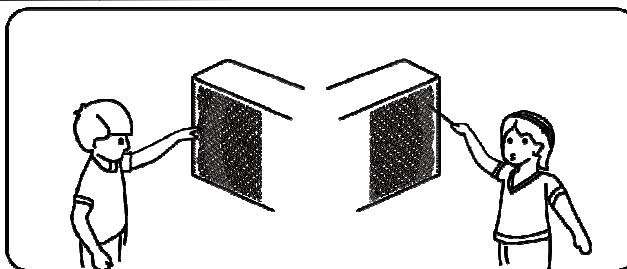
1.4.2. Don't lift the water union when moving the heat pump since the titanium heat exchanger inside the heat pump will be damaged.



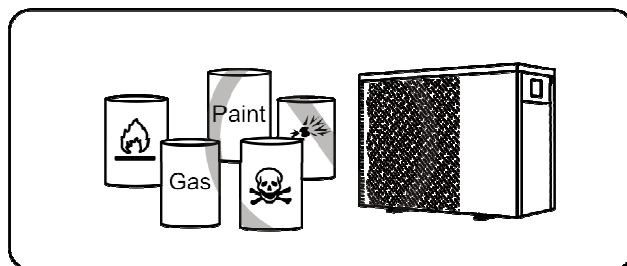
1.4.3. Don't put obstacles before the air inlet and outlet of the heat pump.



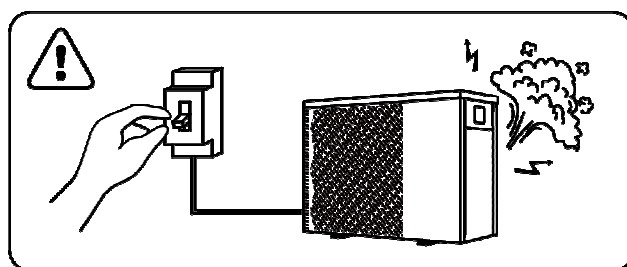
1.4.4. Don't put anything into inlet or outlet, or the efficiency of the heat pump will be reduced or even stopped.



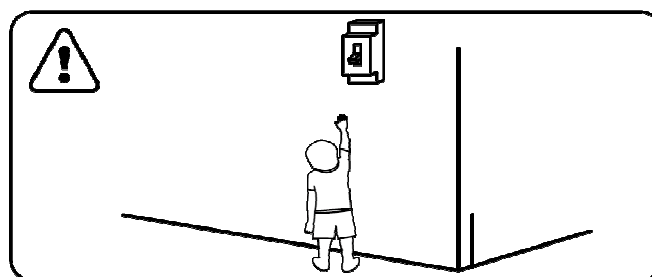
1.4.5. Don't use or store combustible gas or liquid such as thinners, paint and fuel to avoid fire.



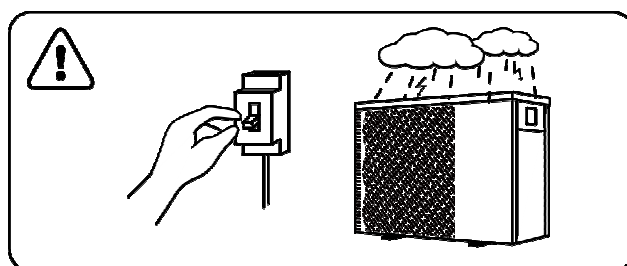
1.4.6. If any abnormal circumstances occurred, e.g.: **abnormal noises, smells, smokes and leakage of electricity, switch off the main power immediately and contact your local dealer.** Don't try to repair the heat pump by yourselves.



1.4.7. The main power switch should be out of the reach of Children.



1.4.8. Please cut off the power in the lightning storm weather.




1.4.9. Please note that following codes are not failure.

	CODES
No water flow	E3
Anti-Freezing Reminder	Ed
Out of the operating range	Eb
Insufficient water flow or pump blocked	E6
Power abnormal	E5

## 2. Operations

### 2.1. Notice before using

2.1.1. For longer service life, please ensure water pump is on before heat pump starts to work, and water pump is off after heat pump is off.

2.1.2. Ensure no water leakage on piping system, then unlock screen and press  to power on heat pump.

### 2.2. Operation instructions



Symbol	Designation	Function
	ON/OFF	Power On/Off
	Unlock / Mode	1. Press it for 3 seconds to unlock/lock screen 2. After screen is unlocked, press it to select mode. Auto (12~40°C) Heating (18~40°C) Cooling (12~30°C)
	Speed	Select Smart/Silence mode
	Up / Down	Adjust set temperature

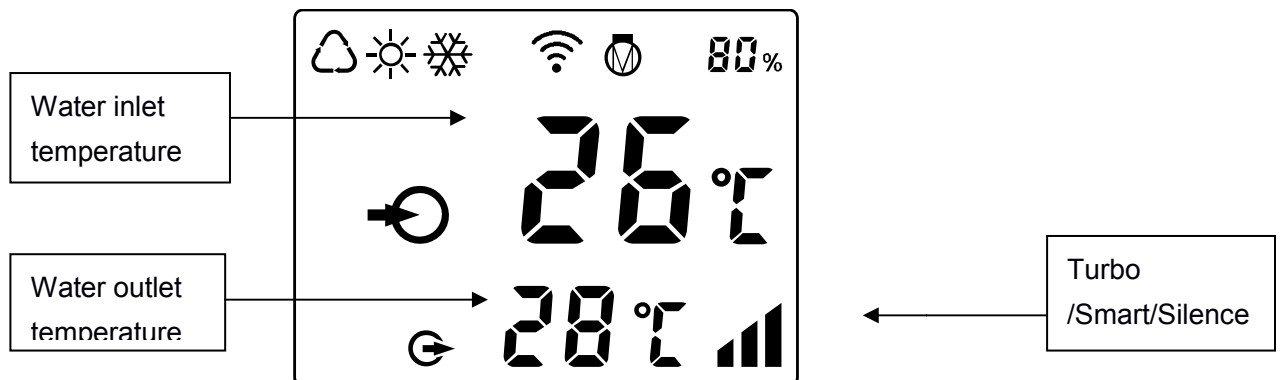
Note:

① Screen lock:



- a. If no operation in 30 seconds, screen will be locked.
- b. When HP is off, screen will be dark and "0%" will be displayed.
- c. Press for 3 seconds to lock screen and it will be dark.



② Screen unlock:

- a. Press for 3 seconds to unlock screen and it will be lit up.
- b. Only after screen is unlocked, any other buttons can be functioned.





	Auto
	Heating
	Cooling
	Heating capacity percentage
	Wifi connection
	Water inlet
	Water outlet


1. Power On: Press  for 3 seconds to light up screen, then press  to power on heat pump.

2. Adjust Set Temperature: When screen is unlocked, press  or  to display or adjust the set temperature.


3. Mode Selection: Press  to select mode.



a. Auto : adjustable temperature range 12~40°C

b. Heating : adjustable temperature range 18~40°C

c. Cooling : adjustable temperature range 12~30°C

4. Turbo/ Smart/Silence mode selection:

① Smart mode as default will be activated when heat pump is on, and screen shows .

② Press  to enter Silence mode, and screen shows .

(Suggestion: select Smart mode for initial heating)


Attention:

a. When use the Turbo mode, you should select it every time, the machine will not automatically enter the Turbo mode.

b. During the Turbo mode, when the machine reaches the set temperature, it will automatically return to the smart mode.



5. Defrosting

a. Auto Defrosting: When heat pump is defrosting,  will be flashing. After defrosting,  will stop flashing.

b. Compulsory Defrosting: When heat pump is heating, press  and  together for 5 seconds to start compulsory defrosting, and  will be flashing. After defrosting,  will stop flashing.

(Note: Compulsory defrosting intervals should be more than 30 minutes and the compressor should run for more than 10 minutes.)

6 Temperature display conversion between °C and °F:

Press " " and " " together for 5 seconds to switch between °C and °F.

7. Wifi setting

Please kindly check the last page.

## 2.3. Daily maintenance and winterizing

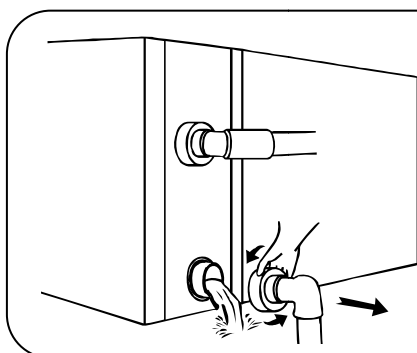
### 2.3.1. Daily Maintenance

**⚠ Please don't forget to cut off power supply of the heat pump**

- Please clean the evaporator with household detergents or clean water, NEVER use gasoline, thinners or any similar fuel.
- Check bolts, cables and connections regularly.

### 2.3.2. Winterizing

In winter season when you don't swim, please cut off power supply and drain water out of the heat pump. When using the heat pump under 2°C, make sure there is always water flow.



**⚠ Important:**

Unscrew the water union of inlet pipe to let the water flow out.

When the water in machine freezes in winter season, the titanium heat exchanger may be damaged.



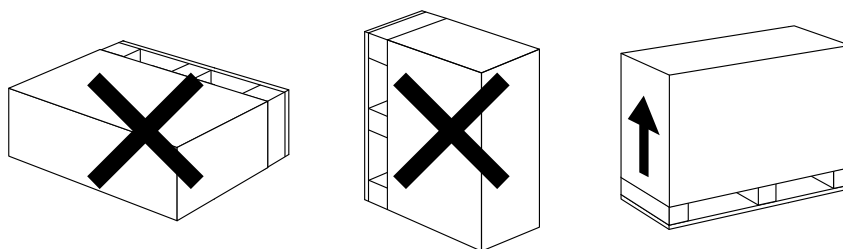
### 3. Technical specification

Model	AXCR10	AXCR13	AXCR17	AXCR21	AXCR28	AXCR28T	AXCR35T	AXCR40T
Advised pool volume (m <sup>3</sup> )	20~40	25~50	30~60	40~75	55~100	65~120	65~120	90~160
Working air temp (°C)	<b>-15~43</b>							
<b>Performance Condition: Air 26°C, Water 26°C, Humidity 80%</b>								
Heating capacity (kW) in Smart mode	8.5	11.0	13.8	17.5	21.5	27.0	27.0	35.0
Heating capacity (kW) in Turbo mode	10.2	13.2	16.8	21.0	25.5	31.5	31.5	40.0
C.O.P in Smart mode	7.8	8.2	7.5	7.3	7.8	7.4	7.4	7.3
C.O.P	15.1~7.1	15.0~7.3	15.5~6.4	15.0~6.3	16.0~6.8	15.8~6.3	15.8~6.3	15.8~6.4
C.O.P at 50% speed	11.4	11.6	11.2	11.2	11.3	11.2	11.2	11.1
<b>Performance Condition: Air 15°C, Water 26°C, Humidity 70%</b>								
Heating capacity (kW) in Smart mode	6.3	7.3	9.4	11.8	14.8	18.0	18.0	24.0
Heating capacity (kW) in Turbo mode	7.5	8.8	11.3	14.3	17.5	21.5	21.5	28.0
C.O.P in Smart mode	5.2	5.3	5.0	5.0	5.4	5.3	5.3	5.1
C.O.P	6.9~4.8	6.8~4.9	7.3~4.4	7.8~4.6	7.8~4.9	7.8~4.9	7.8~4.9	7.9~4.7
C.O.P at 50% speed	6.5	6.5	6.6	6.8	6.8	6.8	6.8	6.7
<b>Performance Condition: Air 35°C, Water 28°C, Humidity 80%</b>								
Cooling capacity (kW)	4.4	5.6	6.5	8.0	11.6	13.6	13.6	16.0
Sound pressure at 1m dB(A)	38.5~45.5	38.6~46.9	42.0~47.7	42.9~50.8	40.8~51.2	43.3~51.9	43.3~51.9	42.5~51.7
Sound pressure of 50% capacity at 1m dB(A)	39.5	41.3	43.7	44.5	44.4	46.4	46.4	43.8
Sound pressure at 10m dB(A)	18.5~25.5	18.6~26.9	22.0~27.7	22.9~30.8	20.8~31.2	23.3~31.9	23.3~31.9	22.5~31.7
Power supply	230V/1 Ph/50Hz						400V/3 Ph/50Hz	
Rated input power(kW) at air 15°C	0.18~1.53	0.22~1.8	0.26~2.56	0.31~3.08	0.38~3.53	0.46~4.4	0.46~4.4	0.60~5.94
Rated input current(A) at air 15°C	0.78~6.65	0.96~7.82	1.14~11.3	1.35~13.4	1.65~15.3	2.01~19.1	0.66~6.35	0.87~8.57
Advised water flux (m <sup>3</sup> /h)	2~4	3~4	4~6	6.5~8.5	8~10	10~12	10~12	12~18
Water pipe in-out Spec (mm)	50							
Net Dimension Lx WxH (mm)	799×432 ×650	893×432 ×650	939×432 ×650	995×432 ×750	1125×429 ×952	1074×539 ×947	1074×539 ×947	1260×539 ×947
Net Weight (kg)	51	61	65	70	98	102	111	126

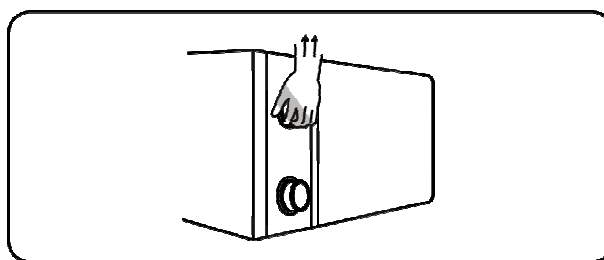
- The values indicated are valid under ideal conditions: Pool covered with an isothermal cover, filtration system running at least 15 hours a day.
- Related parameters are subject to adjustment periodically for technical improvement without further notice. For details please refer to nameplate.

## 1. TRANSPORTATION

1.1. When storing or moving the heat pump, the heat pump should be at the upright position.



1.2. When moving the heat pump, do not lift the water union since the titanium heat exchanger inside the heat pump will be damaged.

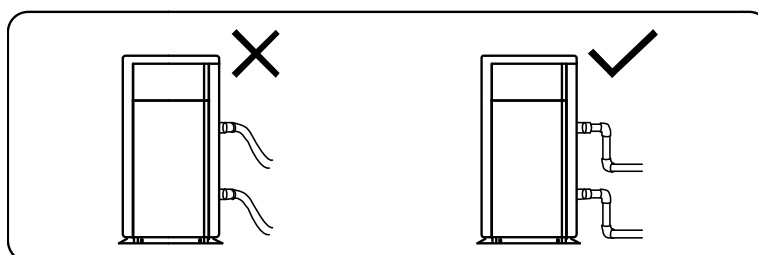


## 2. INSTALLATION AND MAINTENANCE

**⚠** The heat pump must be installed by a professional team. The users are not qualified to install by themselves, otherwise the heat pump might be damaged and risky for users' safety.

2.1. Notice before installation:

2.1.1. The inlet and outlet water unions **can't** bear the weight of soft pipes. The heat pump must be connected with hard pipes!

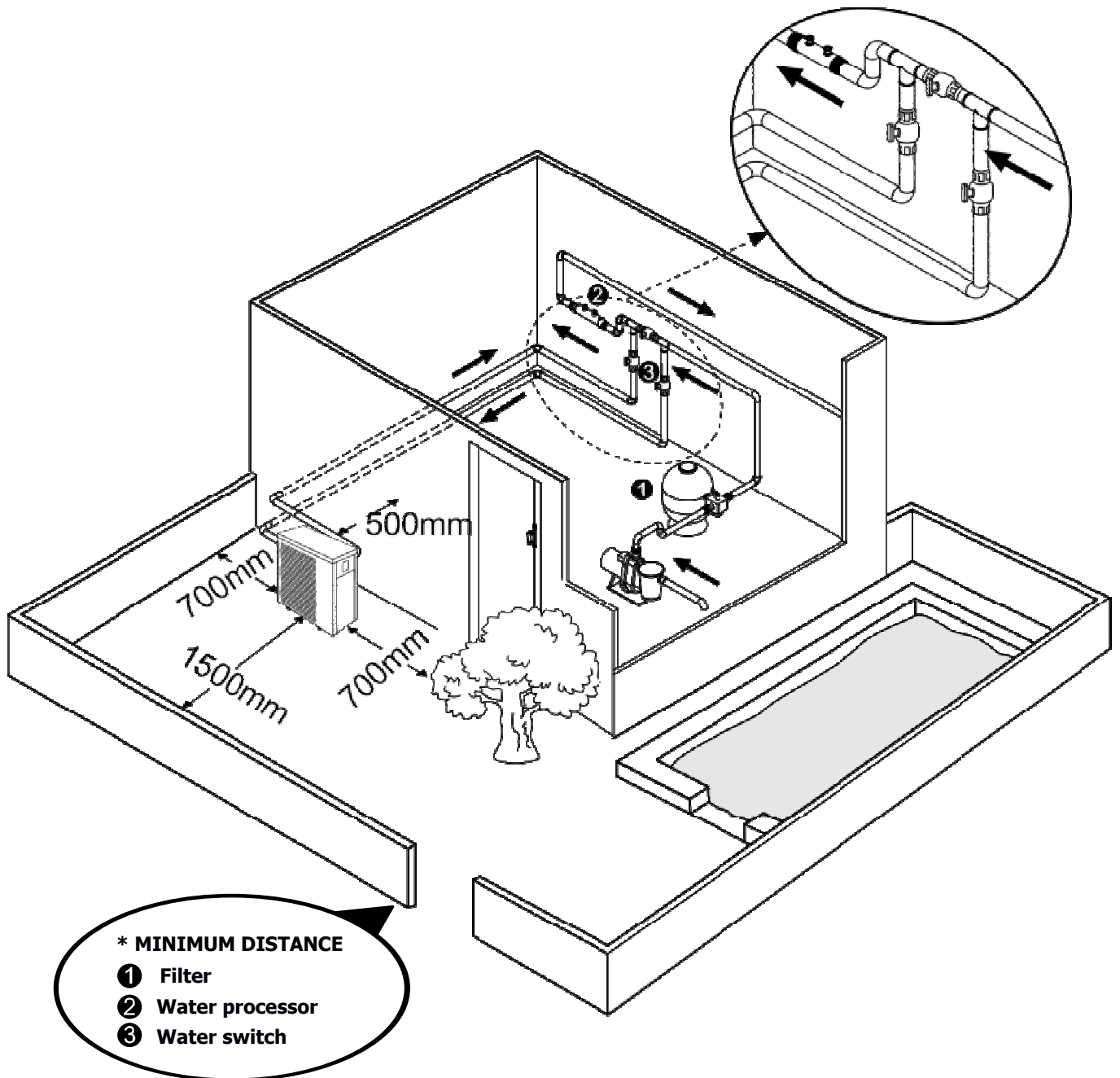


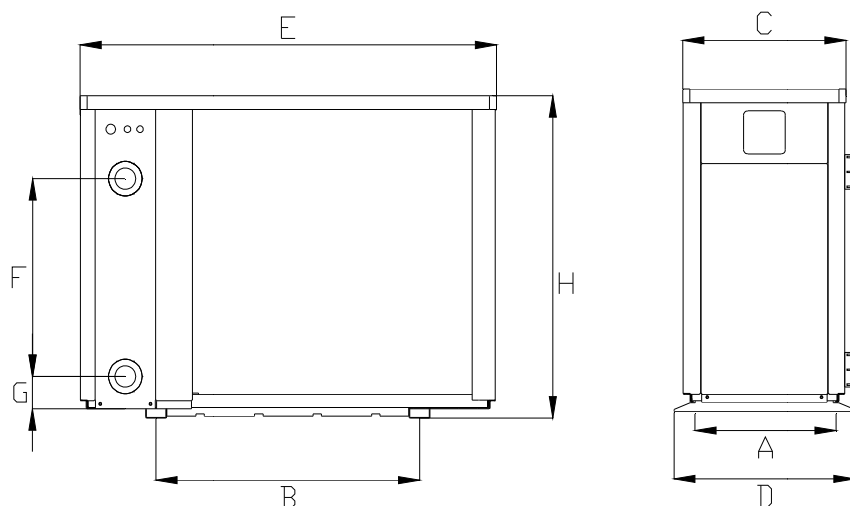
2.1.2. In order to guarantee the heating efficiency, the water pipe length should be  $\leq 10\text{m}$  between the pool and the heat pump.

## 2.2. Installation instruction

### 2.2.1. Location and size

**!** To avoid air recirculation, the heat pump should be installed in a place with good ventilation or should reserve sufficient space for installation and maintenance. Please refer to the schema below:





UNIT=MM		A	B	C	D	E	F	G	H
<b>Model</b>	<b>AXCR10</b>	407	434	390	432	799	300	74	650
	<b>AXCR13</b>	407	528	390	432	893	280	74	650
	<b>AXCR17</b>	407	574	390	432	939	350	74	650
	<b>AXCR21</b>	407	630	390	432	995	460	74	750
	<b>AXCR28</b>	404	760	384	429	1125	600	74	952
	<b>AXCR28T</b>	514	710	493	539	1074	640	74	947
	<b>AXCR35T</b>	514	710	493	539	1074	640	74	947
	<b>AXCR40T</b>	514	900	493	539	1264	650	74	947

✂ *Above data is subject to modification without notice.*

### 2.2.2. Heat pump installation.

- The frame must be fixed by bolts (**M10**) to concrete foundation or brackets. The concrete foundation must be solid; the bracket must be strong enough and anti-rust treated;
- The heat pump needs a water pump (**Supplied by the user**). The recommended pump specification-flux: refer to Technical Parameter, Max. lift **≥10m**
- When the heat pump is running, there will be condensation water discharged from the bottom, please pay attention to it. Please insert the drainage tube (accessory) into the hole and clip it well, then connect a pipe to drain off the condensation water.

### 2.2.3. Wiring & protecting devices and cable specification

- Connect to appropriate power supply, the voltage should comply with the rated voltage of the products.
- Well earth the heat pump.
- Wiring must be connected by a professional technician according to the circuit diagram.
- Set breaker or fuse according to the local code (leakage operating current **≤ 30mA**).
- The layout of power cable and signal cable should be orderly and not affecting each other.

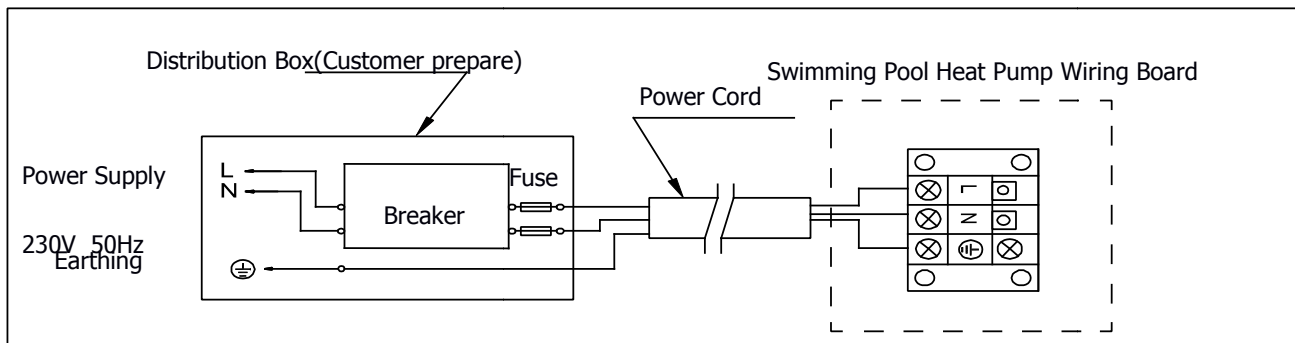
**!** 1. Connecting your power wire

1 2  
3

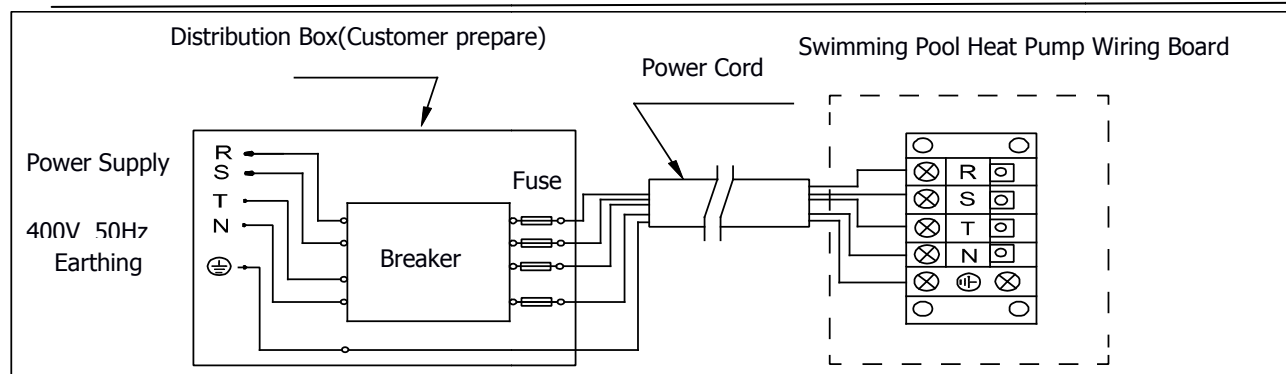
- ✧ Please use cross screwdriver to take off the 2 screws at the bottom of the right side panel. Take off the lower half of the panel.
- ✧ Unscrew the 3 screws on the cover of the electrical box.
- ✧ Connect the terminals according to the electrical diagram.

**!** 2. Wiring diagram

**A. For power supply: 230V 50Hz**



**B. For power supply: 400V 50Hz**



**NOTE:**

**!** Must be hard wired, no plug allowed.

- For your safe use in winter, it's strongly recommended to equip heating priority function.
- For the detailed wiring diagram, please refer to Appendix 1.

**3. Options for protecting devices and cable specification**

MODEL		AXCR10	AXCR13	AXCR17	AXCR21	AXCR28	AXCR28T	AXCR35T	AXCR40T
Breaker	Rated Current A	12.0	15.0	19.0	22.5	24.5	28.5	11.3	15.0
	Rated Residual Action Current mA	30	30	30	30	30	30	30	30
Fuse A		12.0	15.0	19.0	22.5	24.5	28.5	11.3	15.0
Power Cord (mm <sup>2</sup> )		3×2.5	3×2.5	3×4	3×4	3×6	3×6	5×2.5	5×2.5
Signal cable (mm <sup>2</sup> )		3×0.5	3×0.5	3×0.5	3×0.5	3×0.5	3×0.5	3×0.5	3×0.5

**NOTE:** The above data is adapted to power cord ≤ 10m. If power cord is >10m, wire diameter must be increased. The signal cable can be extended to 50m at most.

**2.3. Trial after installation**

**!** Please check all the wirings carefully before turning on the heat pump.

**2.3.1. Inspection before use**

- Check installation of the whole heat pump and the pipe connections according to the pipe connecting drawing;
- Check the electric wiring according to the electrical wiring diagram and earthing connection;
- Make sure that the main power is well connected;
- Check if there is any obstacle in front of the air inlet and outlet of the heat pump

**2.3.2. Trial**

- The user is advised to start the water pump before the heat pump, and turn off the heat pump

before the water pump for long life circle.

- The user should start the water pump, and check for any leakage of water; Power on and press the ON/OFF button of the heat pump, and set desired temperature in the thermostat.
- In order to protect the heat pump, the heat pump is equipped with start delay function. When starting the heat pump, the fan will start to run in 3 minutes, in another 30 seconds, the compressor will start to run.
- After pool heat pump starts up, check for any abnormal noise from the heat pump.
- Check the temperature setting.

## 2.4. Maintenance and winterizing

### 2.4.1 Maintenance

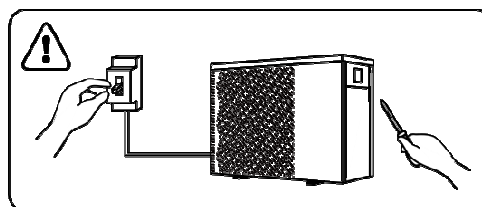
**⚠ The maintenance should be carried out once per year by qualified professional technician.**

- Cut off power supply of the heat pump before cleaning, examination and repairing .

Do not touch the electronic components until the LED

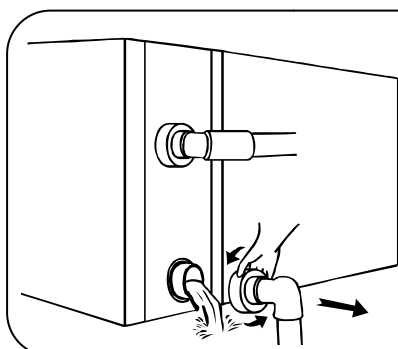
indication lights on PCB turn off.

- Please clean the evaporator with household detergents or clean water, NEVER use gasoline, thinners or any similar fuel.
- Check bolts, cables and connections regularly.



### 2.4.2 Winterizing

In winter season when you don't swim, please cut off power supply and drain water out of the heat pump. When using the heat pump under 2°C, make sure there is always water flow.



**⚠ Important:**

Unscrew the water union of inlet pipe to let the water flow out.

When the water in machine freezes in winter season, the titanium heat exchanger may be damaged.

### 3. TROUBLE SHOOTING FOR COMMON FAULTS

FAILURE	REASON	SOLUTION
<b>Heat pump doesn't run</b>	No power	Wait until the power recovers
	Power switch is off	Switch on the power
	Fuse burned	Check and change the fuse
	The breaker is off	Check and turn on the breaker
<b>Fan running but with insufficient heating</b>	evaporator blocked	Remove the obstacles
	Air outlet blocked	Remove the obstacles
	3 minutes start delay	Wait patiently
<b>Display normal, but no heating</b>	Set temp. too low	Set proper heating temp.
	3 minutes start delay	Wait patiently
If above solutions don't work, please contact your installer with detailed information and your model number. Don't try to repair it yourself.		

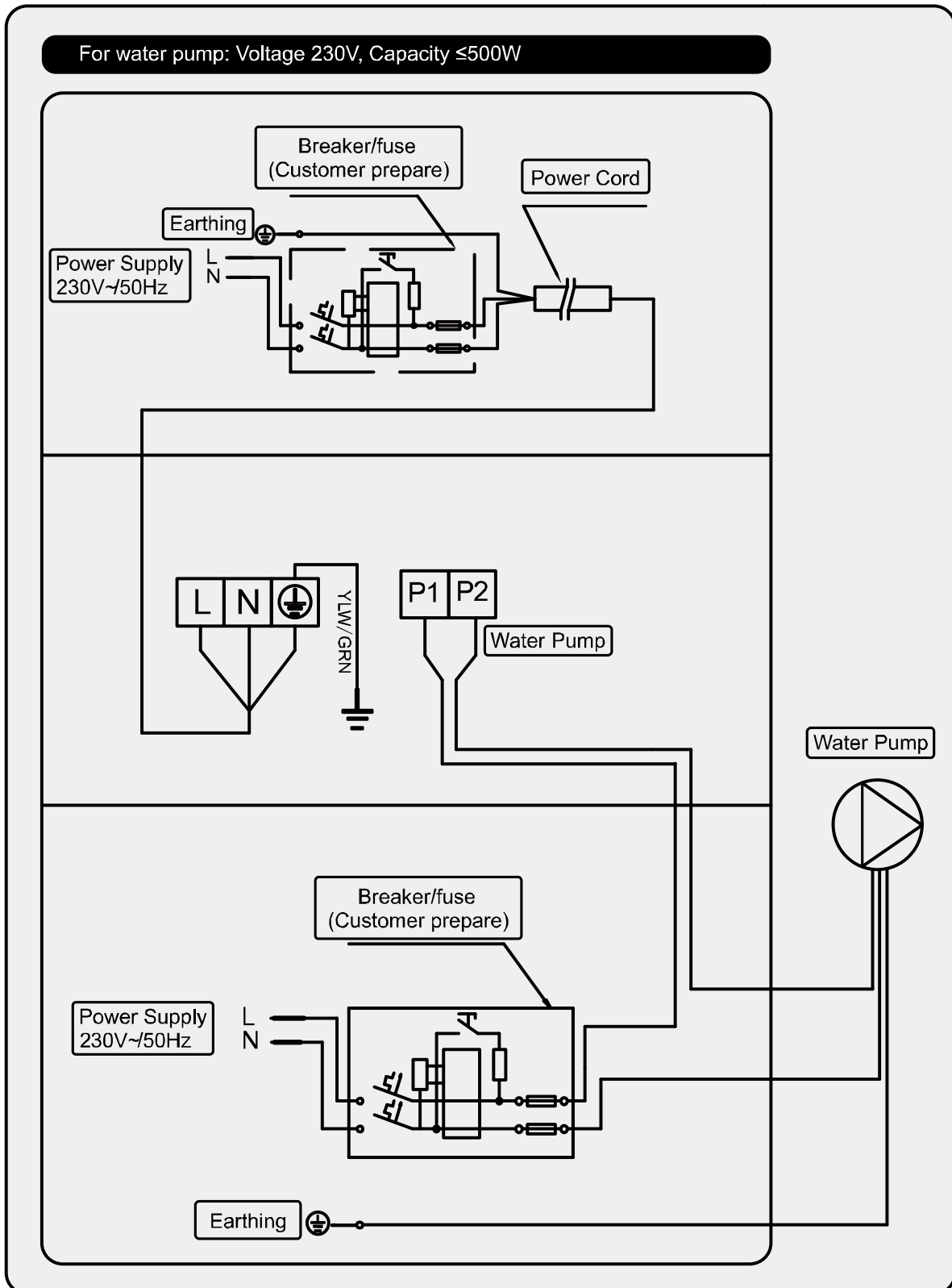
**ATTENTION! Please don't try to repair the heat pump by yourself to avoid any risk.**



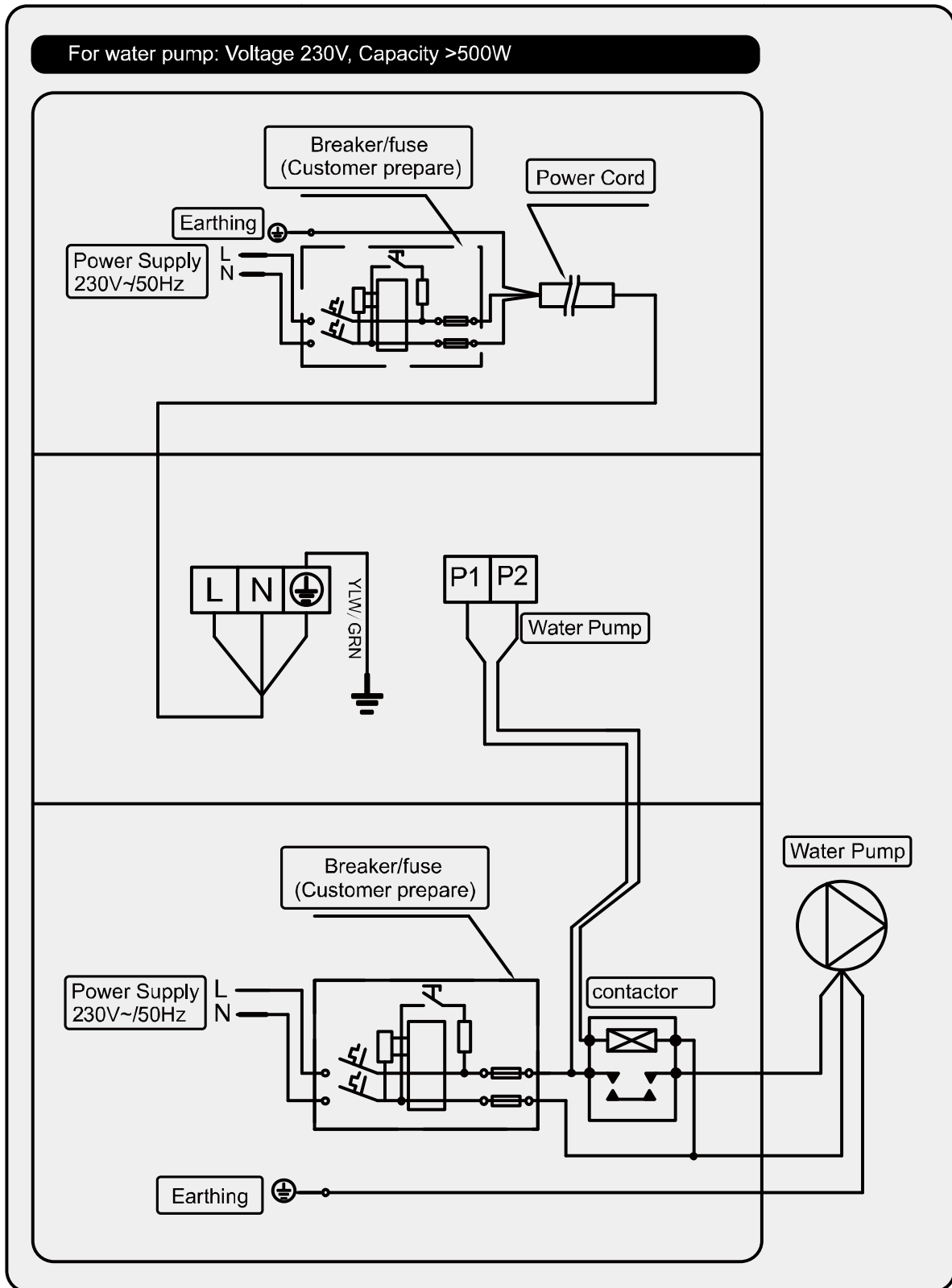
## 4. Failure code

NO.	DISPLAY	NOT FAILURE DESCRIPTION
1	<b>E3</b>	No water protection
2	<b>E5</b>	Power supply excesses operation range
3	<b>E6</b>	Excessive temp difference between inlet and outlet water (Insufficient water flow protection)
4	<b>Eb</b>	Ambient temperature too high or too low protection
5	<b>Ed</b>	Anti-freezing reminder
NO.	DISPLAY	FAILURE DESCRIPTION
1	<b>E1</b>	High pressure protection
2	<b>E2</b>	Low pressure protection
3	<b>E4</b>	3 phase sequence protection (three phase only)
4	<b>E7</b>	Water outlet temp too high or too low protection
5	<b>E8</b>	High exhaust temp protection
6	<b>EA</b>	Evaporator overheat protection (only at cooling mode)
7	<b>P0</b>	Controller communication failure
8	<b>P1</b>	Water inlet temp sensor failure
9	<b>P2</b>	Water outlet temp sensor failure
10	<b>P3</b>	Gas exhaust temp sensor failure
11	<b>P4</b>	Evaporator coil pipe temp sensor failure
12	<b>P5</b>	Gas return temp sensor failure
13	<b>P6</b>	Cooling coil pipe temp sensor failure
14	<b>P7</b>	Ambient temp sensor failure
15	<b>P8</b>	Cooling plate sensor failure
16	<b>P9</b>	Current sensor failure
17	<b>PA</b>	Restart memory failure
18	<b>F1</b>	Compressor drive module failure
19	<b>F2</b>	PFC module failure
20	<b>F3</b>	Compressor start failure
21	<b>F4</b>	Compressor running failure
22	<b>F5</b>	Inverter board over current protection
23	<b>F6</b>	Inverter board overheat protection
24	<b>F7</b>	Current protection
25	<b>F8</b>	Cooling plate overheat protection
26	<b>F9</b>	Fan motor failure
27	<b>Fb</b>	Power filter plate No-power protection
28	<b>FA</b>	PFC module over current protection

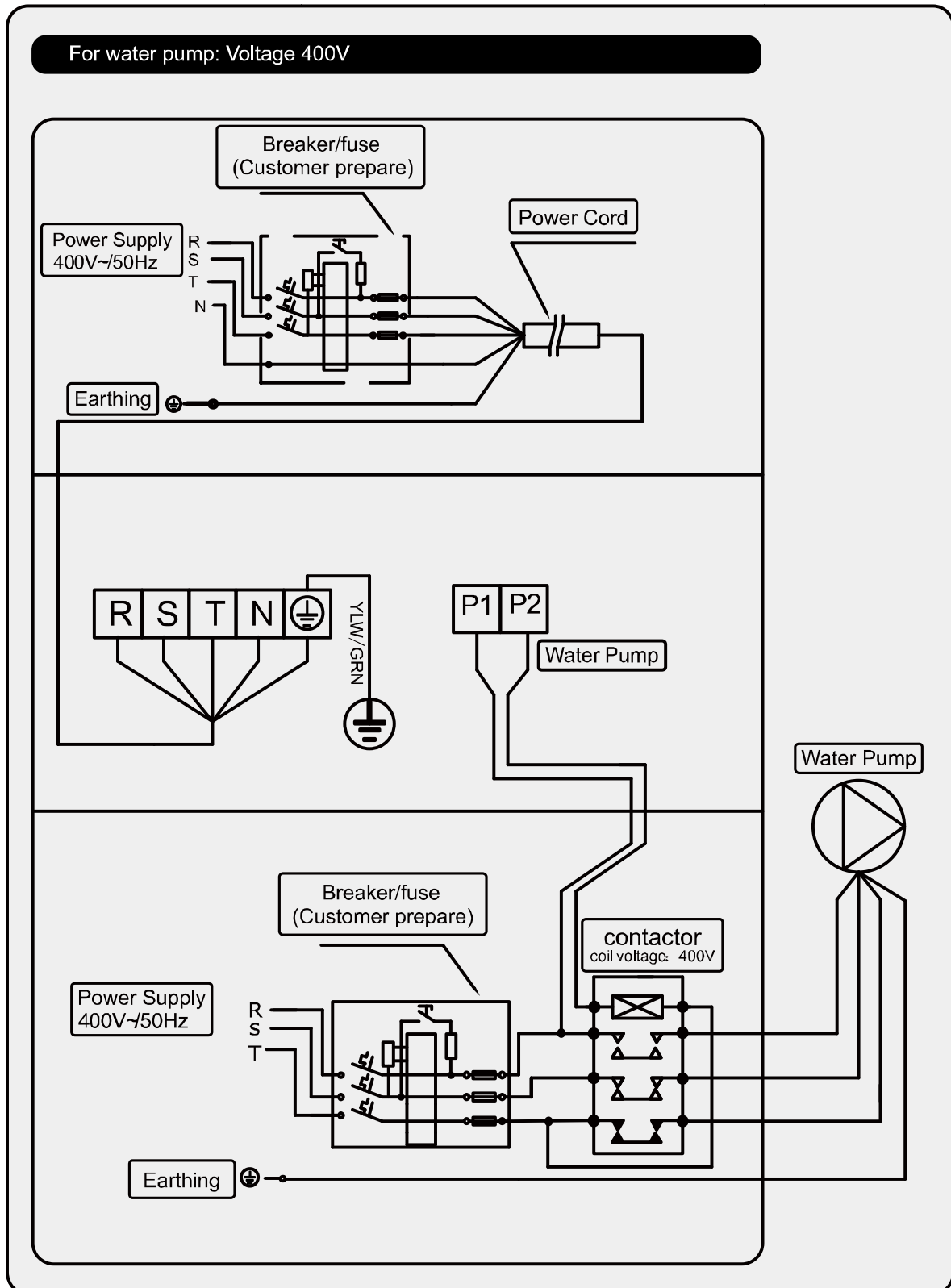
## Appendix 1: Heating priority wiring diagram (Optional)



## Appendix 2: Heating priority wiring diagram (Optional)

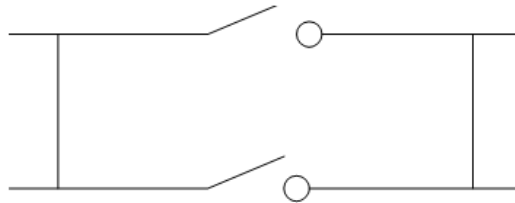


### Appendix 3: Heating priority wiring diagram (Optional)



Parallel connection with filtration clock

A: Water pump timer

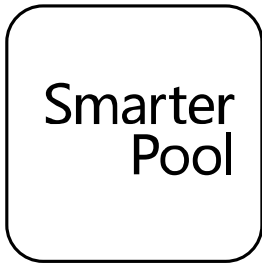


B: Water pump wiring of Heat Pump

Note: The installer should connect A parallel with B (as above picture). To start the water pump, condition A or B is connected. To stop the water pump, both A and B should be disconnected.

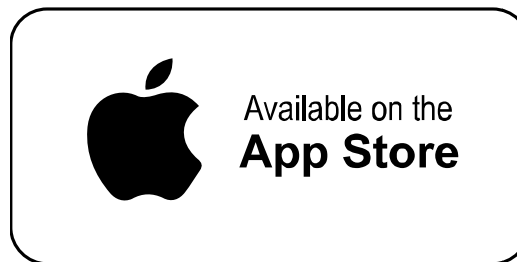
## 5. Wifi setting

### 1) APP Download



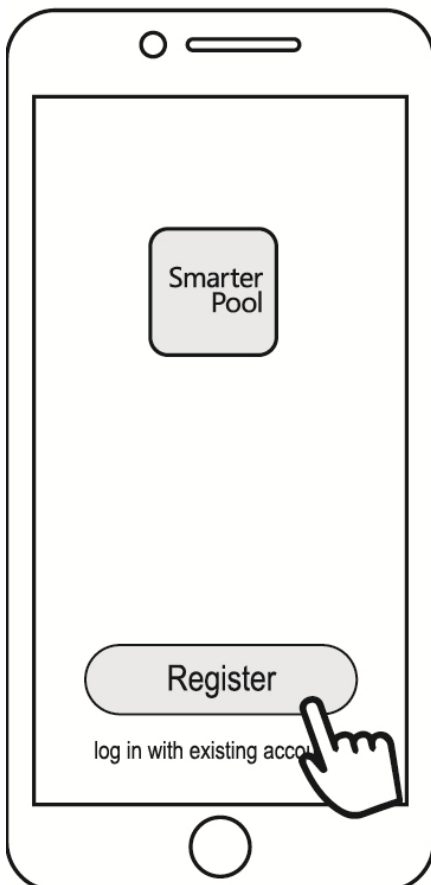
Android mobile please download from

iphone please download from

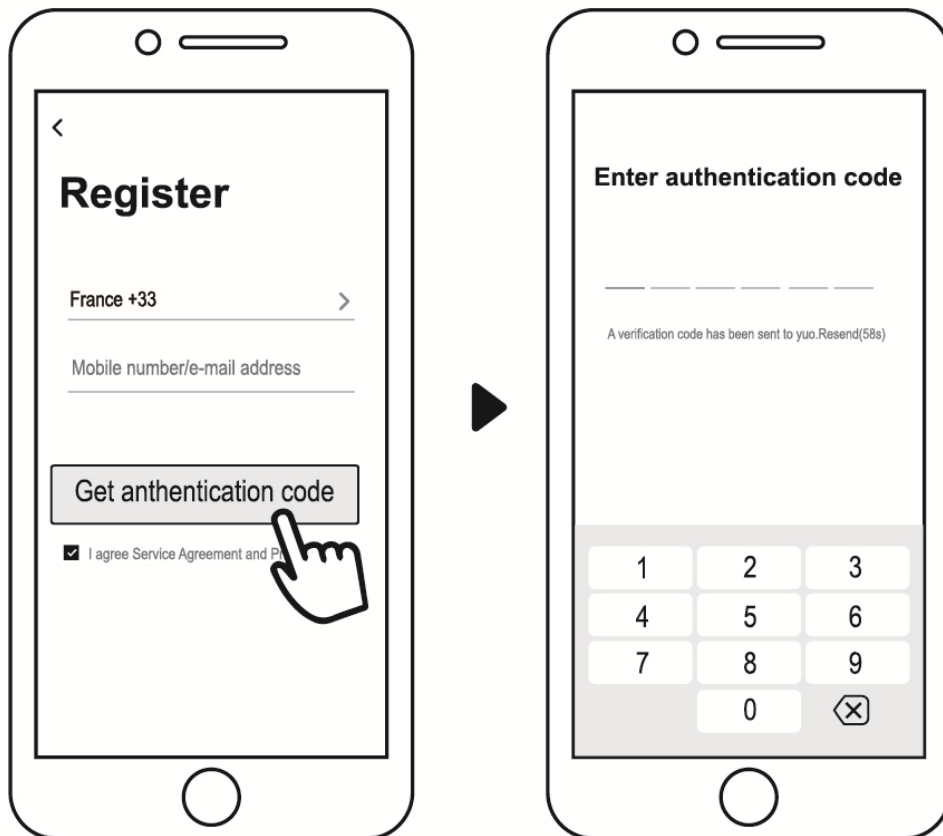


### 2) Account registration

a) Registration by Cell phone number/Email



b) Cell phone number registration



3) Create family

Please set family name and choose the room of device




#### 4) APP Binding

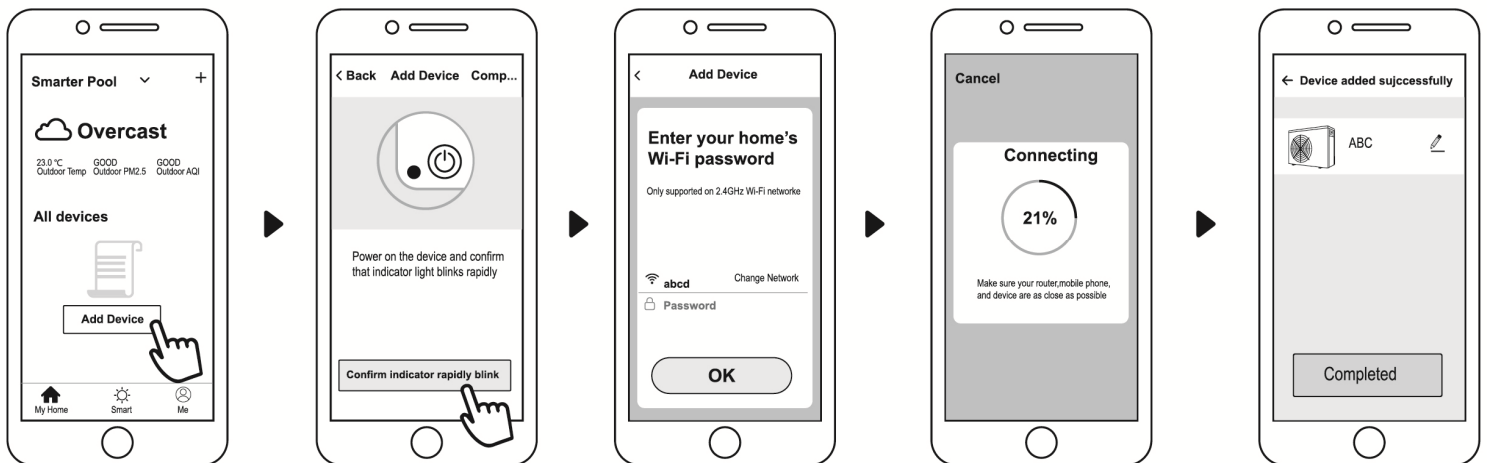
Please make sure your cell phone has connected the Wifi

a) Wifi connection:

Press  for 3 seconds after screen unlock,  will be flashing to enter Wifi binding program.






b) Click "Add device", follow indication to finish binding.  display on the screen once Wifi connection success.



c) If connect fails, please make sure your network name and password is correct. And your router, mobile phone and device are as close as possible.

d) Wifi rebinding (When Wifi password changes or network configuration changes):

Press  for 10 seconds,  will be flashing slowly for 60 seconds. Then  will be off. The original binding will be removed. Follow step above for rebinding.

Remarks: Please make sure the router is configured at 2.4G.



5) Operation

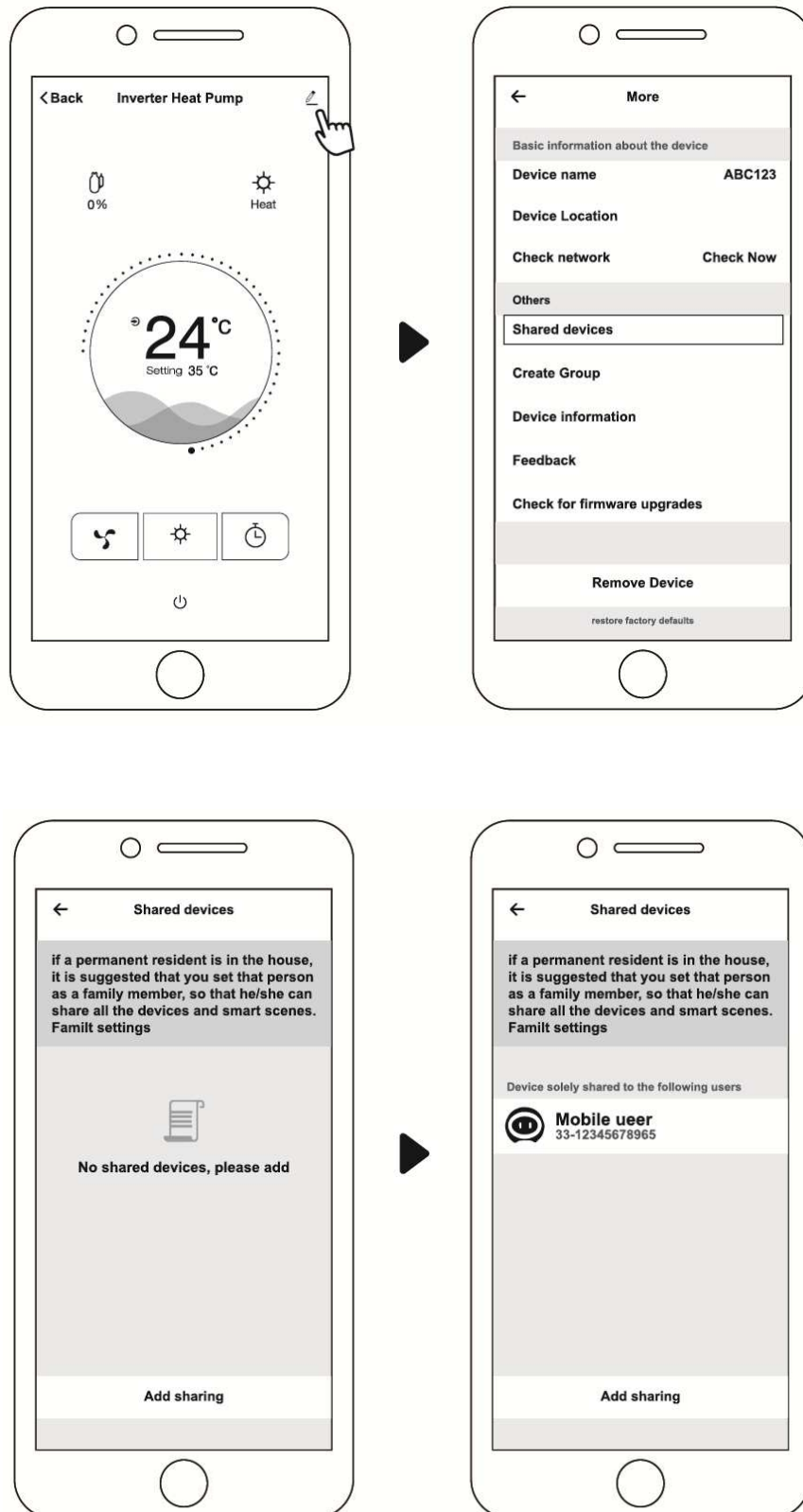
For heat pump with Heating & Cooling function.



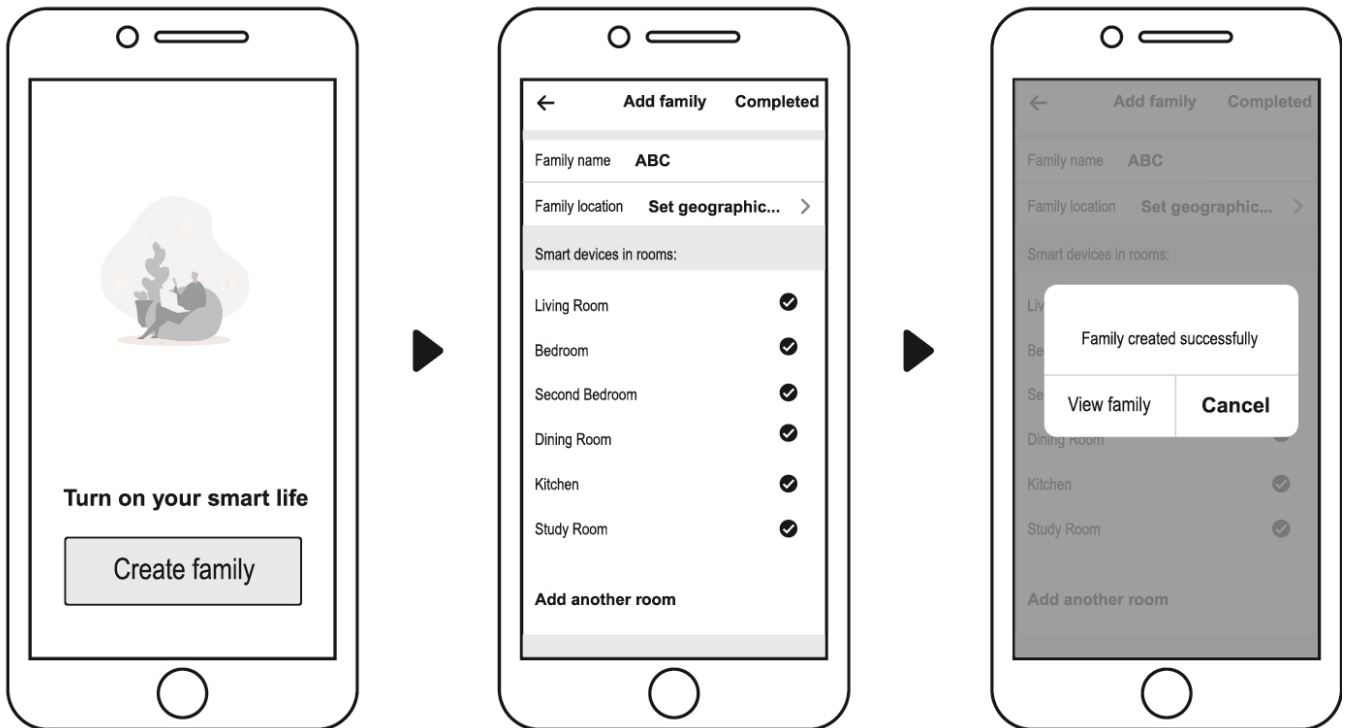
6) Share devices to your family members

After binding, if your family members also want to control the device.

Please let your family members register the APP first, and then the administrator can operate as below:



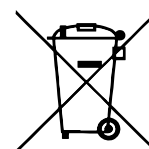
Then your family members can log in as below:



Notice: 1. The weather forecast is just for reference.

2. APP is subject to updating without notice.

Hvala što ste izabrali Turbo Silence Inverter.



Version:D00Xr32