TermoPool
grejanje v bazeni

HidroTerm
grejanje v bazeni

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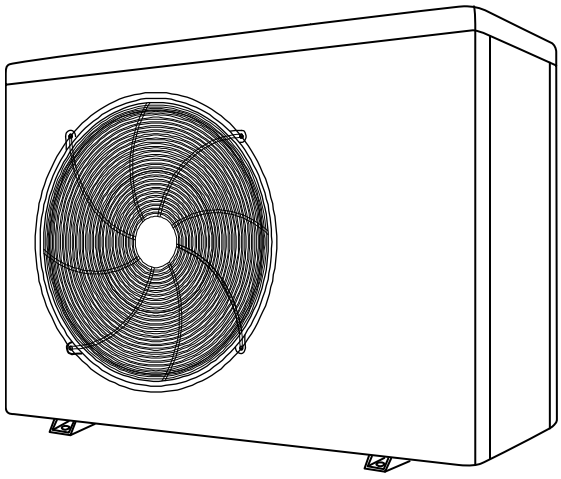


SADRŽAJ

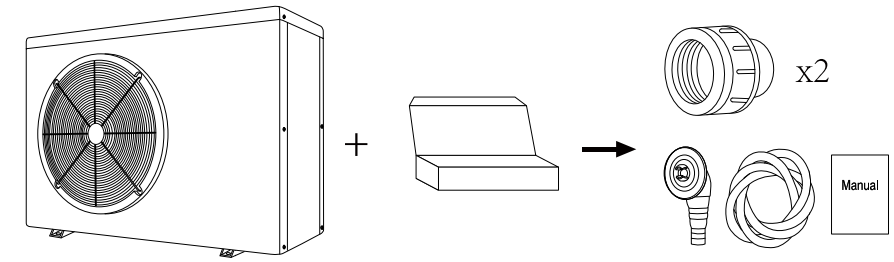
MOLIMO VAS PAŽLJIVO PROČITAJTE I DRŽITE ZA NAKNADNU UPOTREB

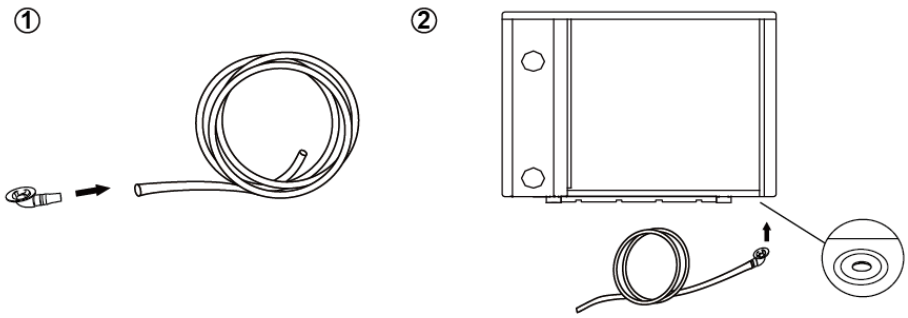
Ovaj priručnik pruža vam potrebne informacije za optimalnu upotrebu i održavanje

1. *OPŠTE INFORMACIJE*

1.1. Sadržaj:

Nakon raspakivanja, proverite da li imate sve neohodne komponente.





1.2. Uslovi rada i domet:

PREDMETI		DOMET
Radni opseg	Temperatura vazduha	-7℃～43℃
Temperaturno podešavanje	grejanje	18℃～40℃
	hlađenje	12℃～30℃

Toplotna pumpa će imati idealne performanse u opsegu rada vazduha 15℃～25℃.

1.3. Prednosti različitih režima:

Tomplotna pumpa ima dva načina rada:”Smart ‟ i “Silence”. Različite su prednosti pod različitim uslovima.

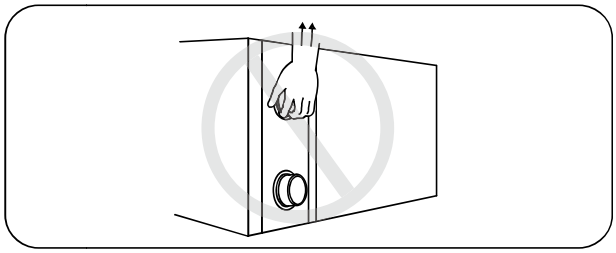
NACIN RADA	PREPORUKA	PREDNOSTI
	Smart nacin rada kao standardni	Kapacitet zagrevanja: 20% do 100% kapaciteta Pametna optimizacija Brzo zagrevanje
	Silence nacin rada koristiti tokom noci	Kapacitet zagrevanja: 20% do 80% kapaciteta Nivo zvukal: 3dB (A) tisi od Smart nacina rada

1.4. Preporuka:

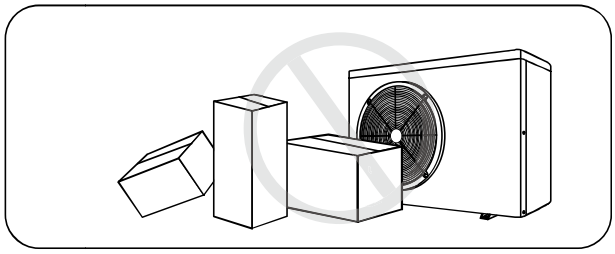
⚠ Ova toplotna pumpa ima funkciju iskljucivanja memorije. Kada se napajanje povrati,toplotna pumpa će se automatski ponovo pokrenuti.

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.

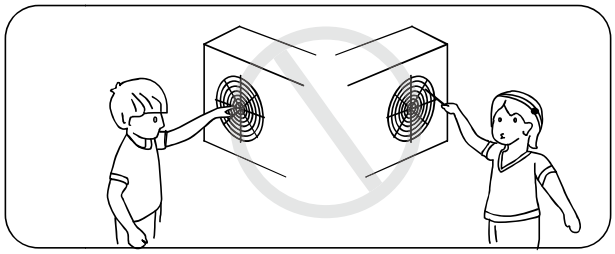
1.4.2. Ne podižite vodenu spojnicu pri pomeranju toplotne pumpe jer će se oštetiti titanijumski izmenjivač toplote unutar toplotne pumpe.



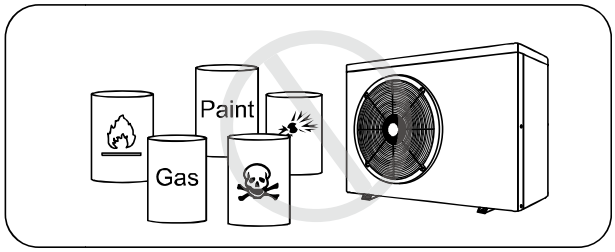
1.4.3. Ne postavljajte prepreke za ulaz i izlaz vazduha u/ili toplotnu pumpu.



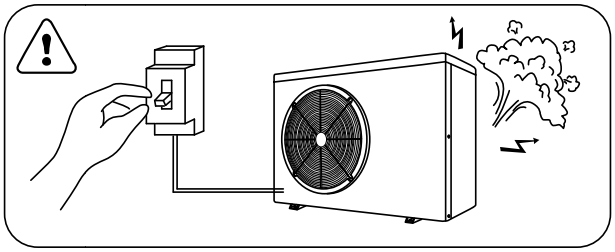
1.4.4. Ne stavljajte ništa na ulaz ili izlaz, jer će se efikasnost toplotne pumpe smanjiti ili čak zaustaviti.



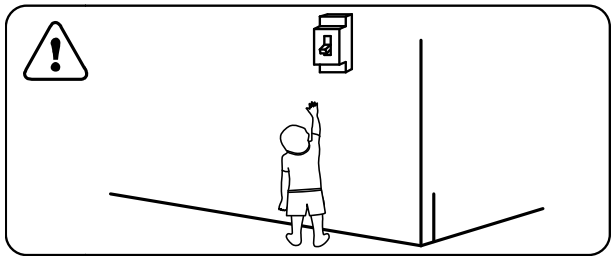
1.4.5. Ne koristite i ne skladištite zapaljivi gas ili tečnost kao što su razređivači boja i gorivo kako biste izbegli požar.



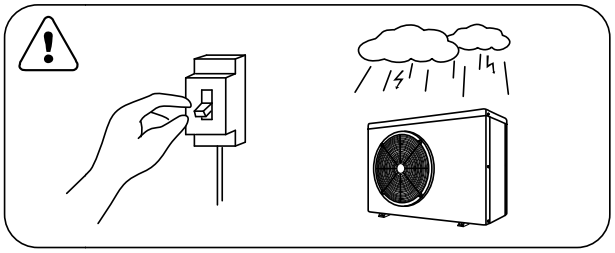
1.4.6. Ako su se dogodile neke neobične okolnosti, npr: **Neobični zvukovi, mirisi, dim i curenje električne energije, odmah isključite glavno napajanje i odmah kontaktirajte Vašeg lokalnog prodavca.** Ne pokušavajte sami da popravite toplotnu pumpu



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 nisu greška.

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

2. Primena

2.1. Napomene 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/Iskljucivanje On/Off
🔓	Otključavanje/KOd	1.Pritisnite ga tri sekunde kako biste otključali/zaključali ekran. 2. Nakon što se ekran otključa, pritisnite dugme da biste odabrali režim: Automatsko (12~40℃) Zagrevanje (18~40℃) Hlađenje(12~30℃)
	Brzina	Odabrati pametan/režim spavanja
+ −	Gore/dole	Prilagodite podešenu temperaturu

Napomena::

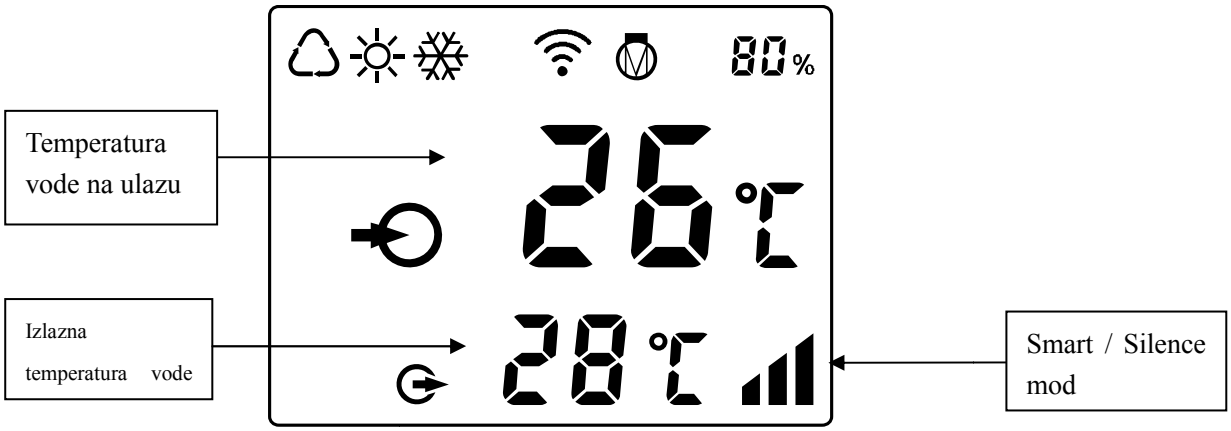
① Screen lock:

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

② Otključan ekran:

•Pritisnite 🔓 na 3 sekunde da otključate ekran i svetlo će se upaliti.

•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. Automatsko: Pritisnite  da odaberete režim.

a. Automatsko  : podesivi opseg temperature 12~40℃

b. Zagrevanje  : podesivi opseg temperature 18~40℃

c. Hlađenje  : podesivi opseg temperature 12~30℃

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)

5. Odmrzavanje

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

b. Obavezno odmrzavanje: Kada se toplotna pumpa zagreva, pritisnite  i zajedno na 5 sekundi kako bi se pokrenulo automatsko odrzavanje , i  počeće 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. Temperatni prikaz konverzije ℃ i ℉:

Pritisnite "+" i "—" zajedno 5 sekundi za prebacivanje između ℃ I ℉.

7. WI-fi podešavanje

Pažljivo pročitajte poslednju stranu.

2.3. Redovno održavanje i održavanje tokom zimskog perioda

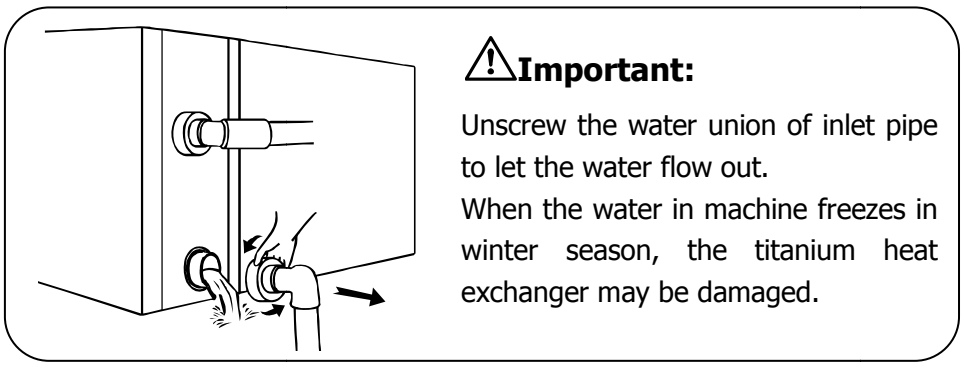
2.3.1. Redovno održavanje

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

- Isparivač očistite deterdzentima 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℃, vodite računa da uvek postoji protok vode.



⚠**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.

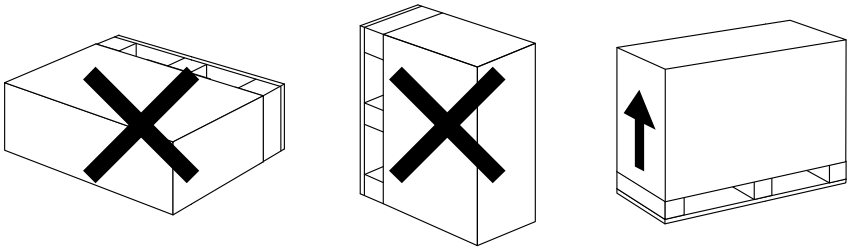
3. *TEHNIČKE SPECIFIKACIJE*

Model	AIC06	AIC08	AIC10	AIC12	AIC13	AIC17	AIC21	AIC28	AIC28T	AIC35T
Preporucljiva kubikaza bazena(m^3)	15~30	20~40	25~45	30~55	35~65	40~75	50~95	65~120	65~120	90~160
Temp.radnog vazduha (℃)		-7~43								
Uslov performansi: Vazduh 26° C, Voda 26° C, Vlažnost 80%										
Kapacitet grijanja (kW)	6.5	8.0	9.8	12.0	13.3	17.3	21.0	27.3	27.0	35.2
C.O.P	15.8~7.4	14.7~7.0	15.3~6.9	14.8~5.7	15.4~6.4	15.5~5.9	15.2~5.7	15.3~6.2	15.2~6.2	15.5~5.5
C.O.P at 50% brzina	11.3	10.6	10.7	10.3	10.6	10.8	10.5	11.0	11.0	10.6
Uslov performansi: Vazduh 15° C, Voda26° C, Vlažnost 70%										
Kapacitet grijanja (kW)	4.8	5.8	6.8	8.0	9.4	11.4	14.3	18.0	18.0	24.0
C.O.P	8.1~4.8	7.3~4.8	7.7~4.6	7.4~4.3	7.8~4.4	7.8~4.3	7.7~4.2	8.1~4.6	7.9~4.5	8.0~4.5
C.O.P at 50% brzina	7.0	6.5	6.6	6.2	6.5	6.3	6.2	6.7	6.7	7.0
Uslov performansi: Vazduh 15° C, Voda 26° C, Vlažnost 80%										
Kapacitet hlađenja (kW)	3.0	4.0	4.5	5.5	6.2	7.7	10.0	12.1	12.1	16.4
Oceni unos snage(kW) u vazduhu15° C	0.12~0.94	0.16~1.2	0.21~1.4	0.24~1.8	0.27~2.1	0.3~2.6	0.36~3.3	0.53~3.8	0.53~3.9	0.63~5.15
Oceni unos privremeni (A) u vazduhu 15°C	0.52~4.1	0.7~5.2	0.91~6.1	1.04~7.8	1.17~9.1	1.3~11.3	1.57~14.3	2.3~16.5	0.76~5.6	0.91~7.4
Napajanje	230V/1 Ph/50Hz								400V/3 Ph/50Hz	
Savetovani vodeni tok(m^3 /h)	2~4	2~4	3~4	4~6	5~7	6.5~8.5	8~10	10~12	10~12	12~18
Zvučni pritisak 1m dB(A)	37.8~47.2	38.8~48.2	38.6~49.9	42.1~50.7	41.3~54.0	43.1~53.8	40.9~54.2	43.5~54.9	43.5~54.9	42.6~54.7
Zvučni pritisak 10m dB(A)	17.8~27.2	18.8~28.2	18.6~29.9	22.1~30.7	21.3~34.0	23.1~33.8	20.9~34.2	23.5~34.9	23.5~34.9	22.6~34.7
Uvodna cev za vodu Spec. (mm)	50									
Net dimenzija LxWxH (mm)	961×340×658	961×340×658	961×340×658	961×340×658	961×340×658	961×420×658	961×420×758	1092×420×958	1092×420×958	1161×530×958
Net težina (kg)	43	45	49	50	52	63	68	90	93	117

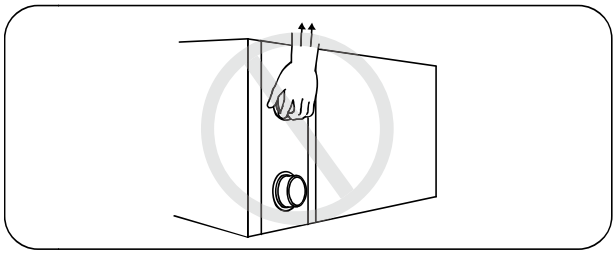
- *Navedene vrednosti važe u idealnim uslovima:Bazen prekriven izotermnim poklopcem,sistem za filtriranje koji radi najmanje 15 sati dnevno.*
- *Povezani parametri podležu periodičnom prilagođavanju radi tehničkog poboljšanja bez daljeg obaveštenja.Za detalje pogledajte pločicu sa podacima.*

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 titanijumski izmenjivač toplote unutar toplotne pumpe.

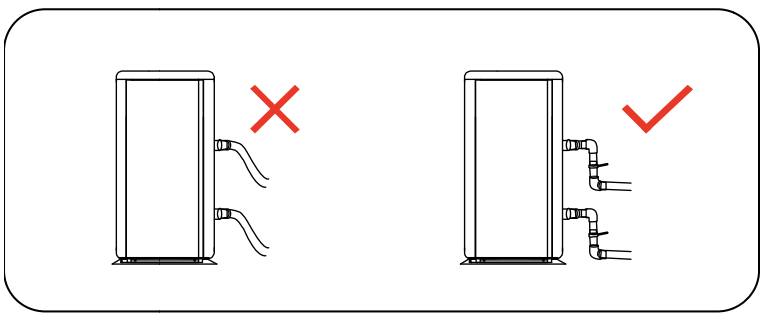


2. *INSTALACIJA I ODRŽAVANJE*

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

2.1. Obaveštenje pre upotrebe:

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

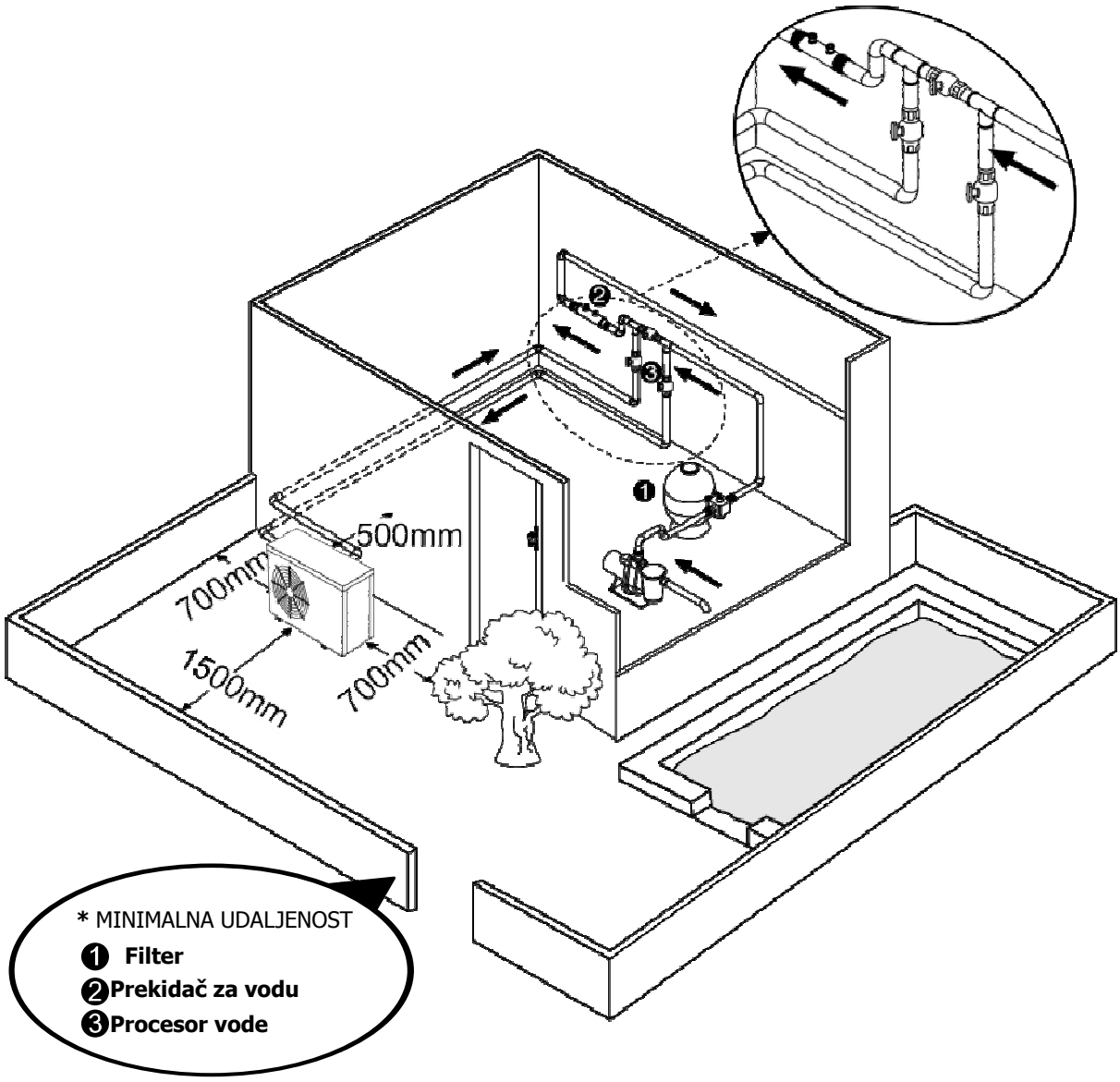


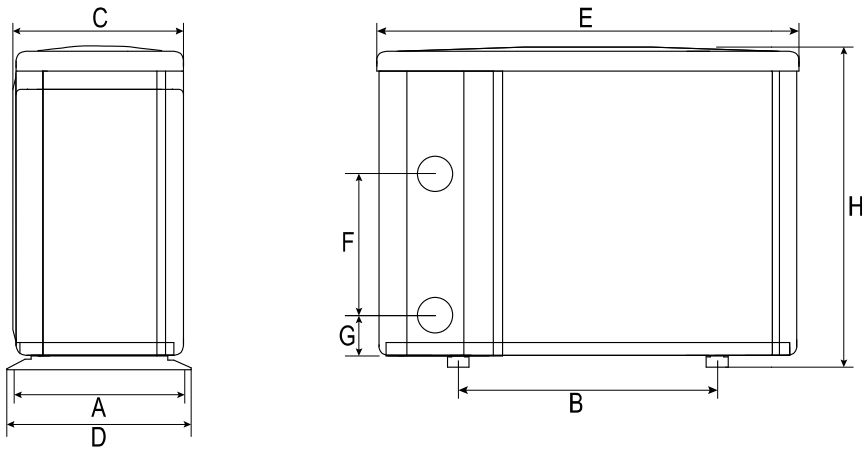
2.1.2. Da bi se zagarantovala efikasnost grejanja, dužina vodovodne cevi mora da bude ⩽10м između bazena i vodene pumpe.

2.2. Instrukcije za instalaciju

2.2.1. Lokacija i dimenzija

⚠ **Toplotna pumpa treba biti instalirana na mestu sa dobrom ventilacijom.**





MODEL	UNIT=MM	A	B	C	D	E	F	G	H
	AIC06	315	590	312	340	961	250	74	658
	AIC08	315	590	312	340	961	250	74	658
	AIC10	315	590	312	340	961	280	74	658
	AIC12	315	590	312	340	961	280	74	658
	AIC13	315	590	312	340	961	340	74	658
	AIC17	395	590	392	420	961	390	74	658
	AIC21	395	590	392	420	961	460	74	758
	AIC28	395	720	392	420	1092	620	74	958
	AIC28T	395	720	392	420	1092	620	74	958
	AIC35T	505	790	496	530	1161	650	74	958

※ Gore navedeni podaci mogu se izmeniti bez najave.

2.2.2. Instalacija toplotne pumpe.

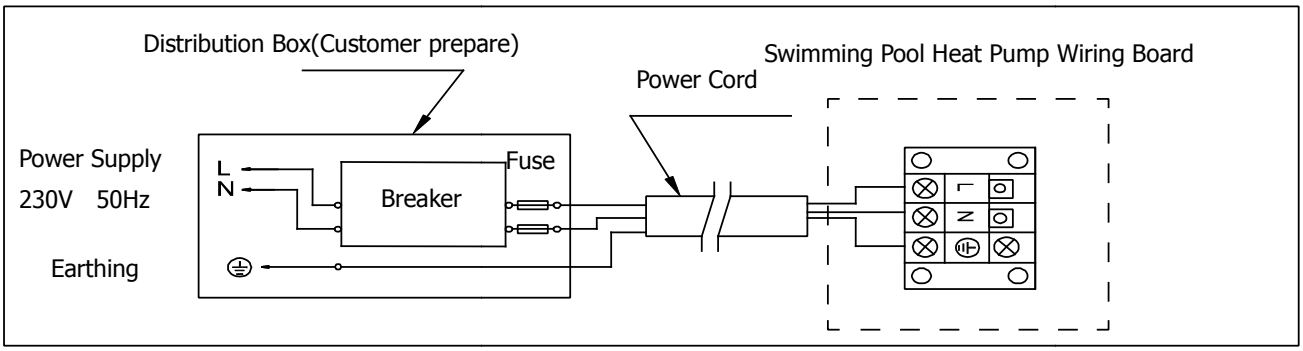
- Okvir mora biti fiksiran vijcima **(M10)** na betonski temelj ili ogradi. Betonski temelj mora biti čvrst, nosač mora biti dovoljno čvrst i tretiran protiv rđe.
- Toplotnoj pumpi je potrebna pumpa za vodu **(obezbedjuje korisnik)**. Preporučeni protok specifikacije pumpe: pogledati Tehnički parametar, Max. lift ⩾**10m**
- Kada toplotna pumpa radi, sa dna će se ispuštati kondezovana voda, obratite pažnju na nju. Umetnite drenažnu cev (pribor) u rupu i dobro je zavijte,a zatim spojite cev za odvod kondenzacione vode .

2.2.3. Ožičenje I zaštitni uređaji i specifikacije kablova

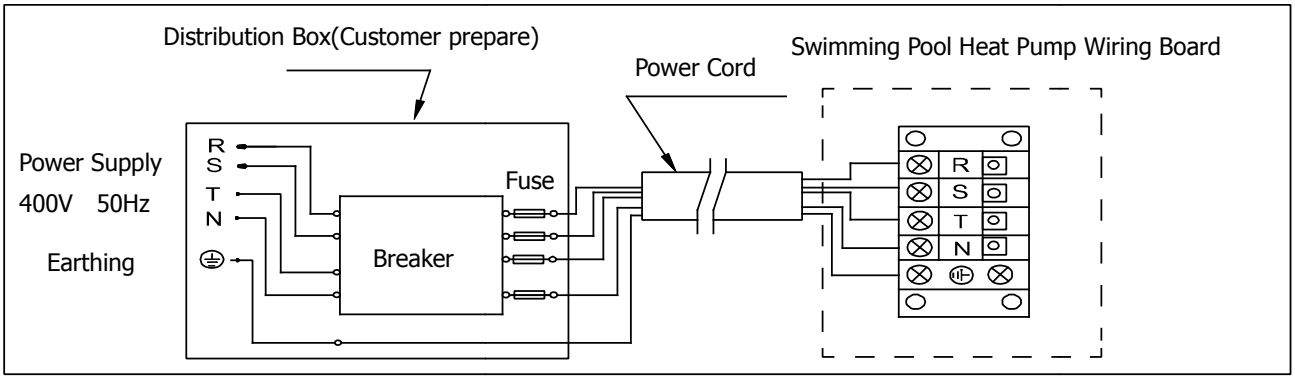
- Priključite na odgovarajuće napajanje, napon treba da bude u skladu sa nazivnim naponom proizvoda.
- Uzemljite vodenu pumpu.
- Ožičenje mora povezati profesionalni tehničar prema šemi kola.
- Prekidač ili osigurač podesite prema lokalnom kodu (struja curenja ⩽ 30mA).
- Raspored kabla za napajanje i signalnog kabla treba da bude uredan i da ne utiču jedni na druge.

1. Šema

A. Za napajanje: 230V 50Hz



B. Za napajanje: 400V 50Hz



NAPOMENE:

⚠ Mora biti ožičen,nije dozvoljen utikač (U Australiji, AIC08~ AIC13 ima utikač za opciju).

•Za vašu bezbednost u zimskom periodu, toplo se preporučuje da opremite funkciju prioriteta grejanja.

•Detaljan prikaz ožičenja potražite u Dodatku 1.

2. Opcije za zaštitu uređaja i specifikacije kablova

MODEL		AIC06	AIC08	AIC10	AIC12	AIC13	AIC17	AIC21	AIC28	AIC28T	AIC35T
Prekidač	Nominalna struja A	9.0	9.0	10.5	13.0	13.5	16.0	21.0	24.0	9.0	12.0
	Nazivna struja zaostale akcije mA	**30**	**30**	**30**	**30**	**30**	**30**	**30**	**30**	**30**	**30**
Prekidač A		9.0	9.0	10.5	13.0	13.5	16.0	21.0	24.0	9.0	12.0
Kabl za napajanje（mm^2）		3×1.5	3×1.5	3×2.5	3×2.5	3×2.5	3×2.5	3×4	3×6	5x2.5	5x2.5
Signalni kabl（mm^2）		**3×0.5**	**3×0.5**	**3×0.5**	**3×0.5**	**3×0.5**	**3×0.5**	**3×0.5**	**3×0.5**	**3×0.5**	**3×0.5**

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

2.3. Proba nakon instalacije

Molimo pažljivo proverite sva ožičenja pre uključivanja toplotne pumpe.

2.3.1. Provera pre upotrebe

- Proverite instalaciju cele toplotne pumpe I cevnih priključaka prema crtežu za povezivanje cevi;
- Proverite električno ožičenje prema šemi električnog ožičenja I spoju uzemljenja;
- Uverite se da je glavno napajanje dobro povezano;
- Proverite da li postoje prepreke ispred ulaza I izlaza vazduha toplotne pumpe.

2.3.2. Proba

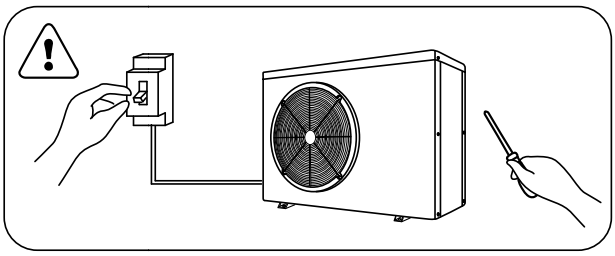
- Korisniku se savetuje da pokrene pumpu za vodu pre toplotne pumpe I da isključi toplotnu pumpu pre pumpe za vodu za duži vek trajanja.
- Korisnik treba da pokrene pumpu za vodu , I proveri da li curi voda; Uključite I pritisnite dugme ON/OFF toplotne pumpe I podesite željenu temperaturu u termostatu.
- Da bi zastitili 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, proverite da li postoji bilo kakva abnormalna buka toplotne pumpe.
- Provetite podešavanje temperature.

2.4. Održavanje i održavanje tokom zimskog perioda

2.4.1 Održavanje

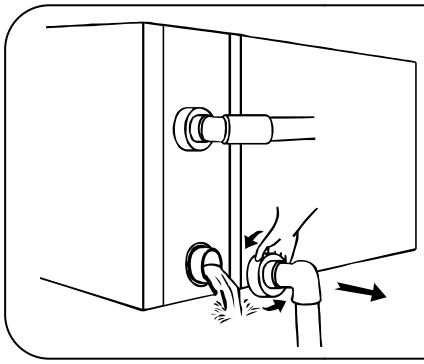
Održavanje treba da obavlja jednom godišnje kvalifikovani profesionalni tehničar

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



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℃, make sure there is always water flow.



⚠ **Održavanje tokom zimskog perioda**

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. *REŠAVANJE PROBLEMA SA UOBIČAJENIM GREŠKAMA*

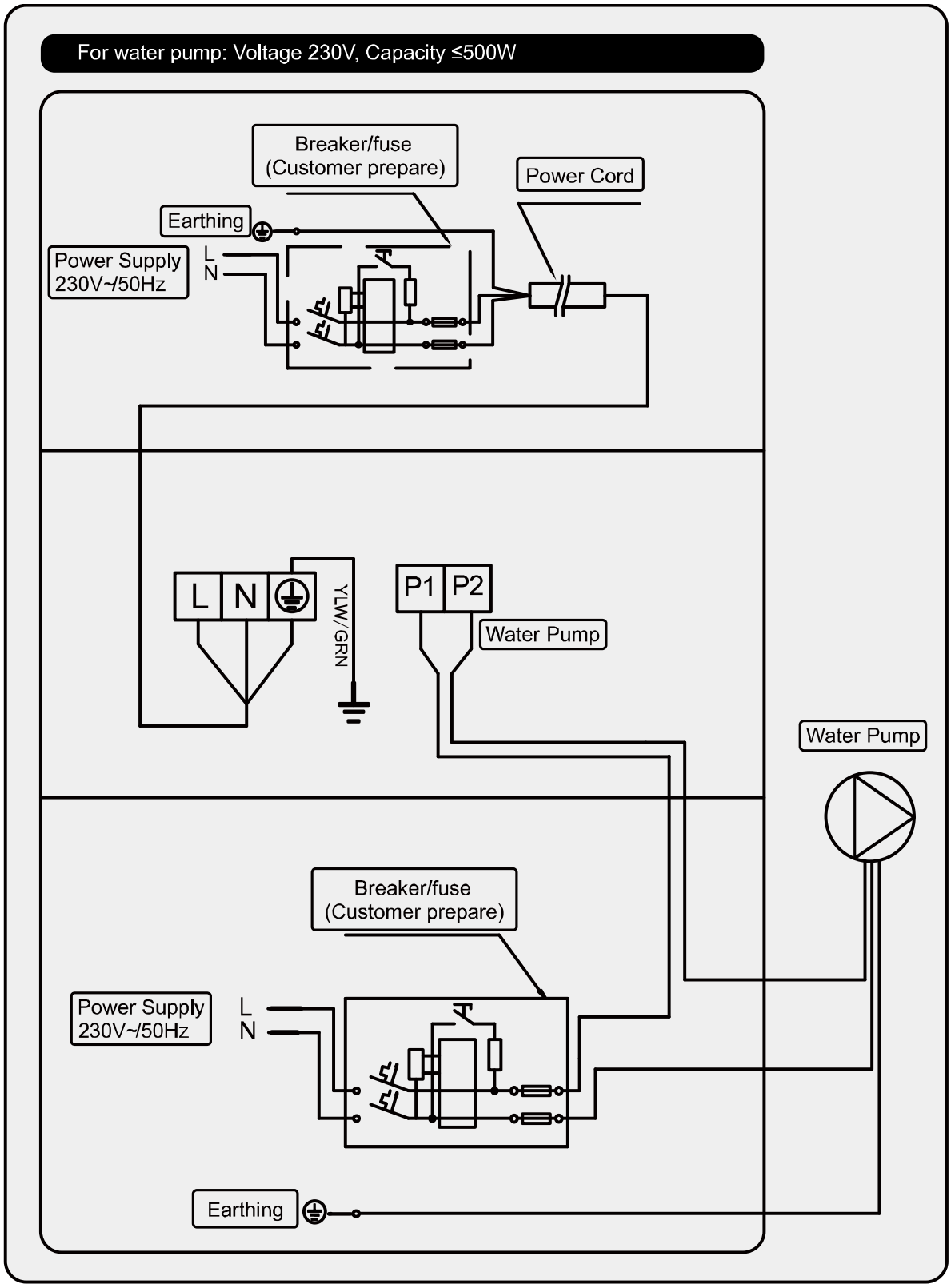
GREŠKE	RAZLOG	REŠENJA
Vodena pumpa ne radi	Nema struje	Sačekajte dok struja dođe
	Prekidač za napajanje je isključen	Uključite prekidač za napajanje
	Osigurač je pregoreo	Proverite I zamenite osigurač
	Prekidač je isključen	Proverite I uključite prekidač
Ventilator radi,ali sa nedovoljnim grejanjem	Isparivač 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 za detaljne informacije sa brojem modela. Ne pokušavajte sami da popravljate.		

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

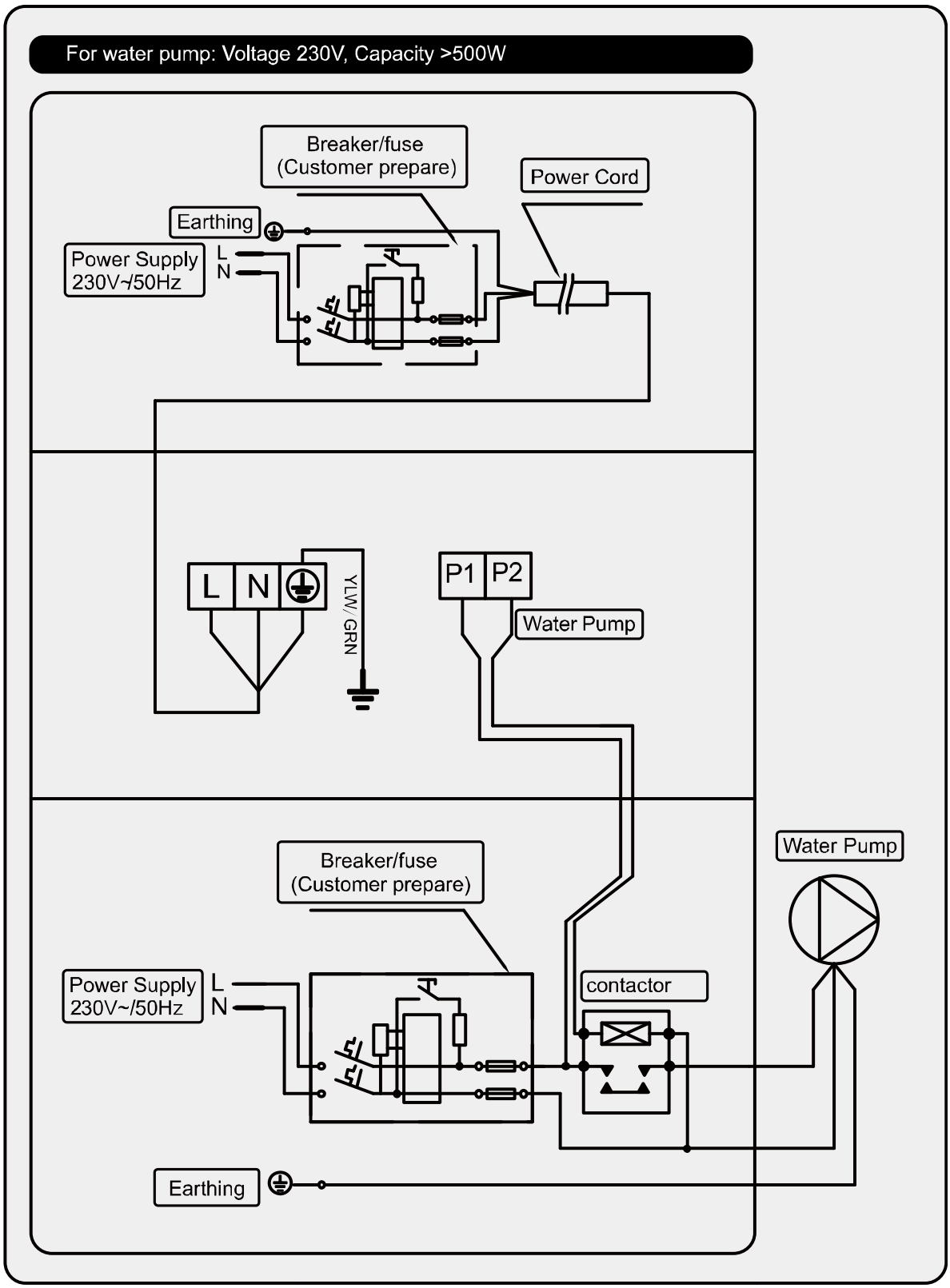
4. *KOD KVARA*

NO.	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
NO.	**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 rezimu 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

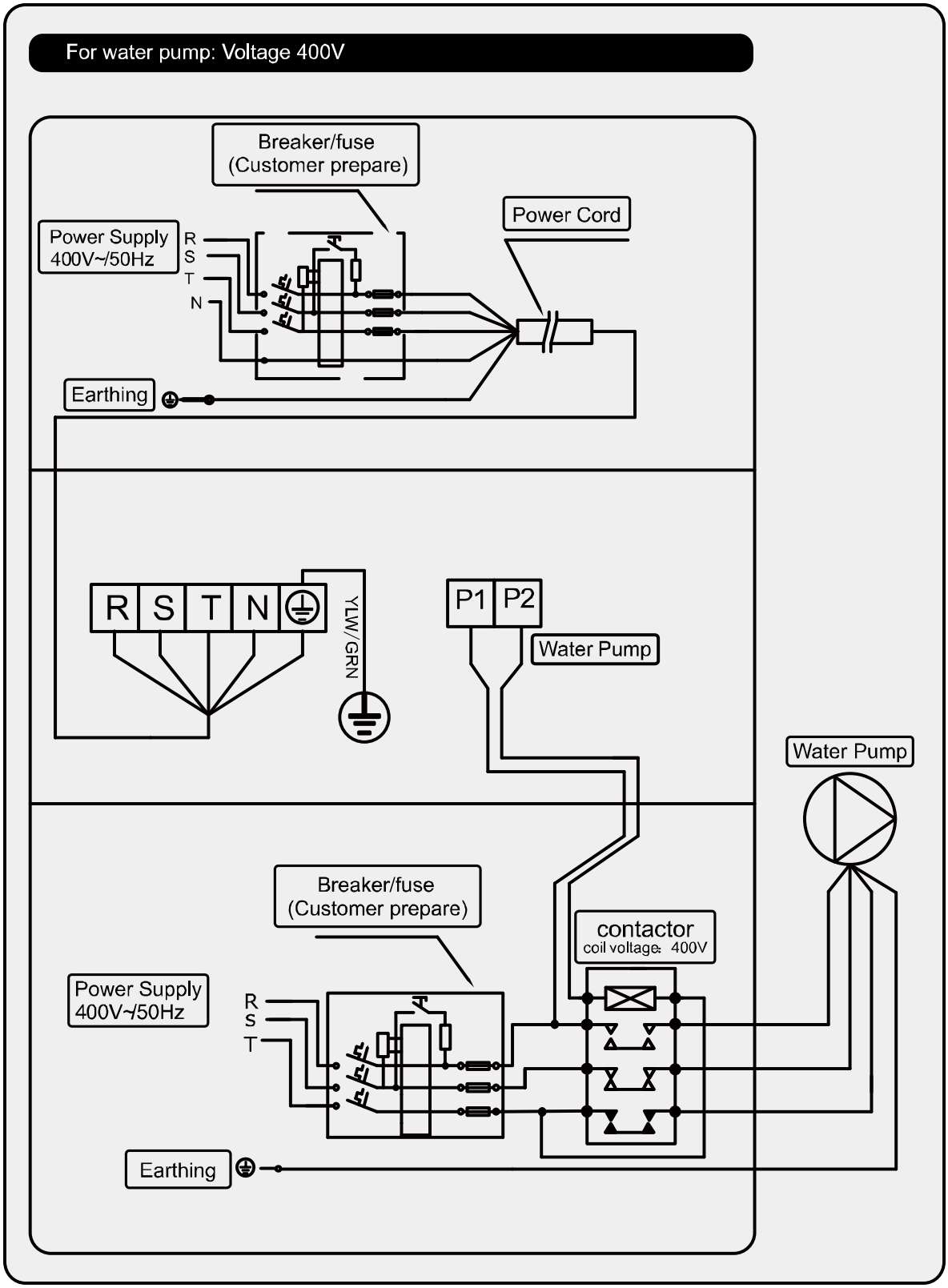
DODATAK 1:ŠEMA OŽIČENJA SA PRIORITETOM GREJANJA(OPCIONALNO)



DODATAK 2: ŠEMA OŽIČENJA PRIORITETA GREJANJA (OPCIONALNO)

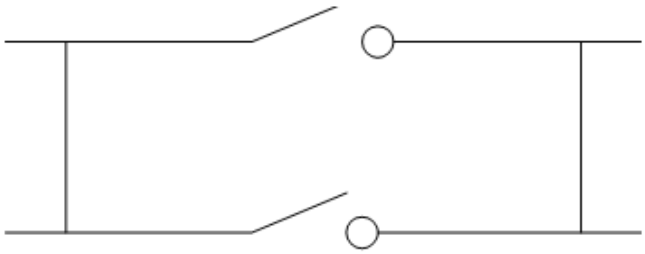


DODATAK 3: ŠEMA OŽIČENJA PRIORITETA GREJANJA (OPCIONALNO)



Paralelna veza sa satom za filtriranje:

A: Tajmer pumpe za vodu



B: Ožičenje pumpe za vodu toplotne pumpe

Bilješka: Instalacijski program treba spojiti paralelu s B (kao na gornjoj slici). Za pokretanje pumpe za vodu spojeni su uslovi A ili B. Da biste zaustavili pumpu za vodu, treba odvojiti i A i B.

5. *WIFI PODEŠAVANJA*

1) Skidanje aplikacije

Smarter Pool

Korisnici android telefona skinite sa :

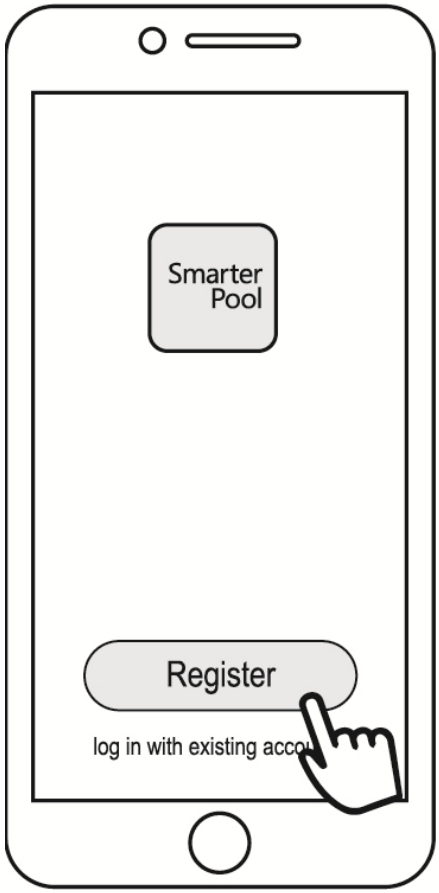
ANDROID APP ON **Google play**

Korisnici iphone telefona aplikaciju skinite sa :

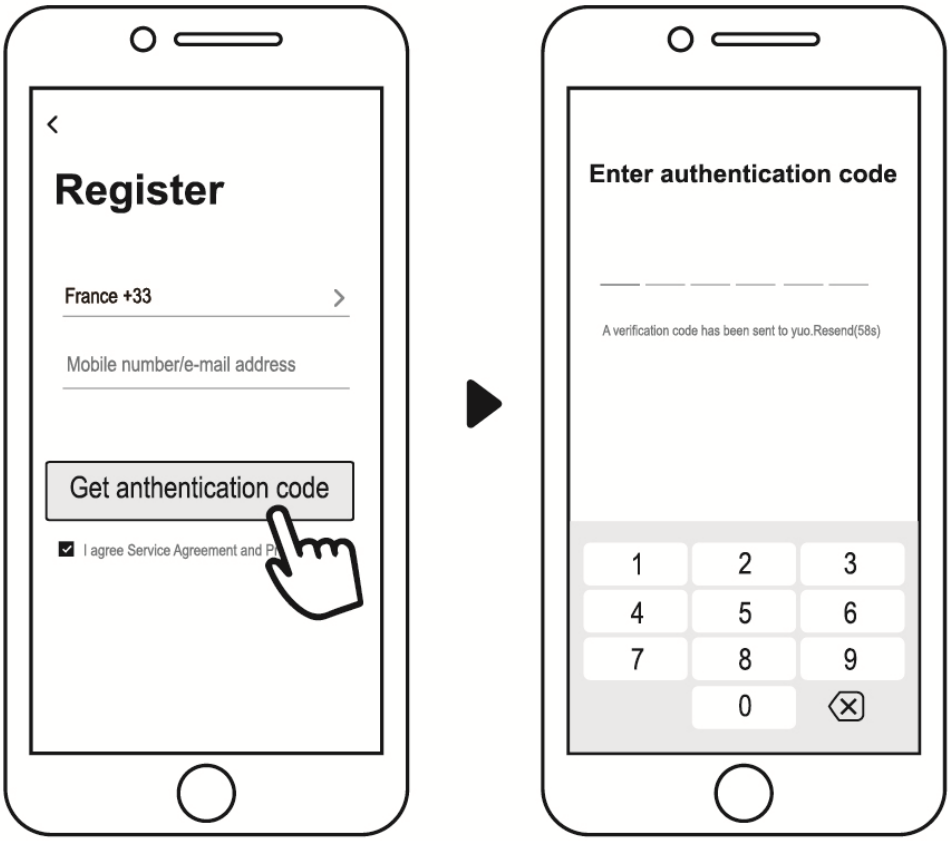
Available on the **App Store**

2) Registracija racuna

a) Registracija brojem mobilnog telefona/e mailom

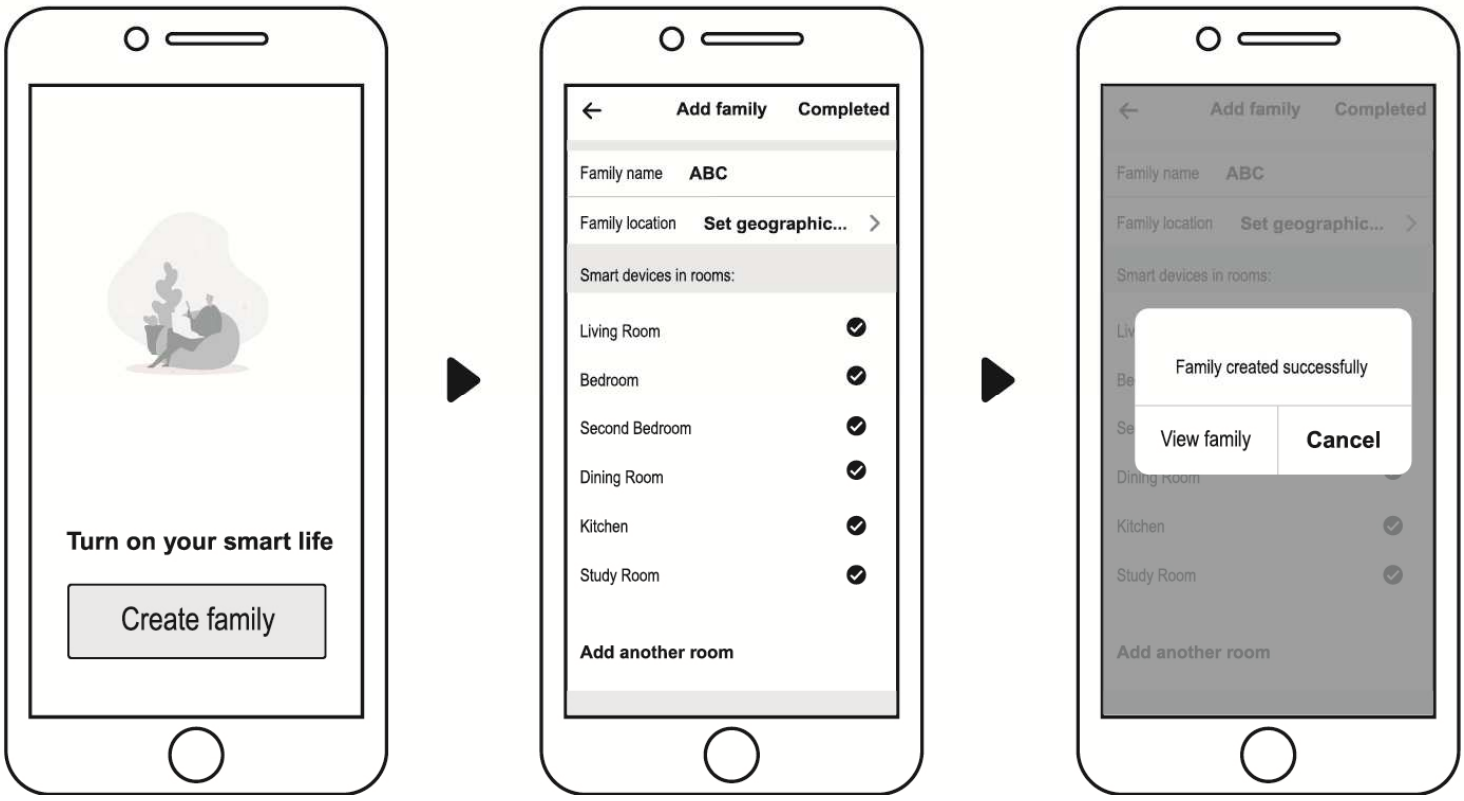


b) Registracija preko mobilnog broja



3) Napravite nalog

Molimo izaberite nalog I izaberite polje uređaja



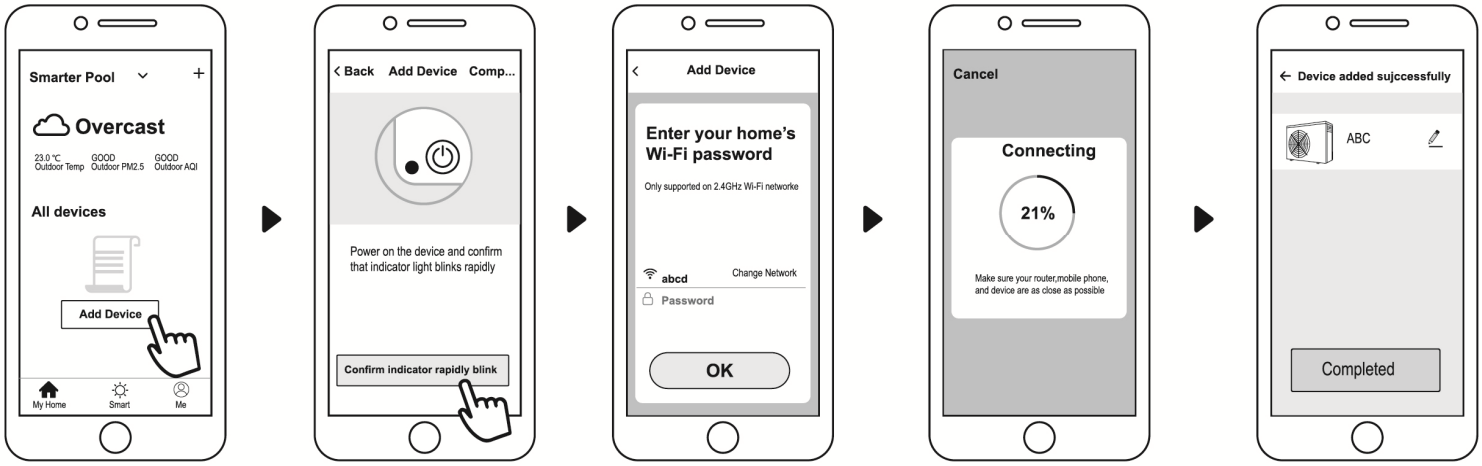
4) Povezivanje aplikacije

Uverite se da je vaš telefon povezan na Wifi

a) Wifi konekcija:

Pritisnite ⏻ 3 sekunde nakom otljučavanja ekran će početi da treperi 📶 da biste ušli u WI FI podešavanja

b) Pritisnite "Add device", pratite istrukcije kako biste završili povezivanje. Pritisnite 📶 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.

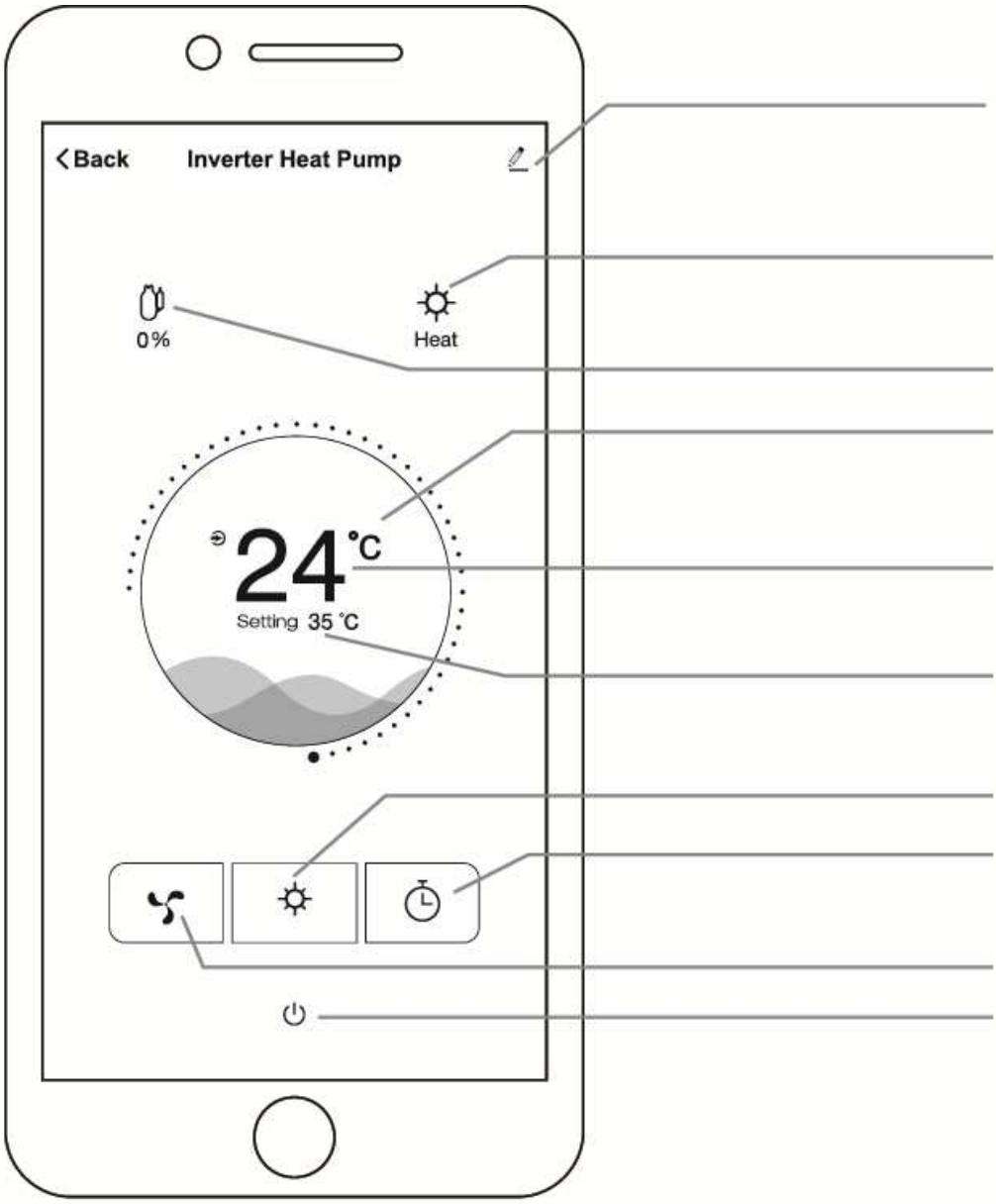
d) Ponovno vezivanje Wi-FI(Kada se Wi FI lozinka promeni Ili mrezna konfiguracija promeni)

Pritisnite ⏻ za 10 sekundi, 📶 počeće 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) Primena

Za toplotnu pumpu sa funkcijom Grejanja I Hlađenja



Više ⟹ dijeliti uređaje

Označite status grijanja / hlađenja

Kapacitet grijanja procenat

Odaberite ℃ / ℉

Struja bazen temperatura vode

Podešavanje temperatura

Odaberite grijanje / Funkcija hlađenja

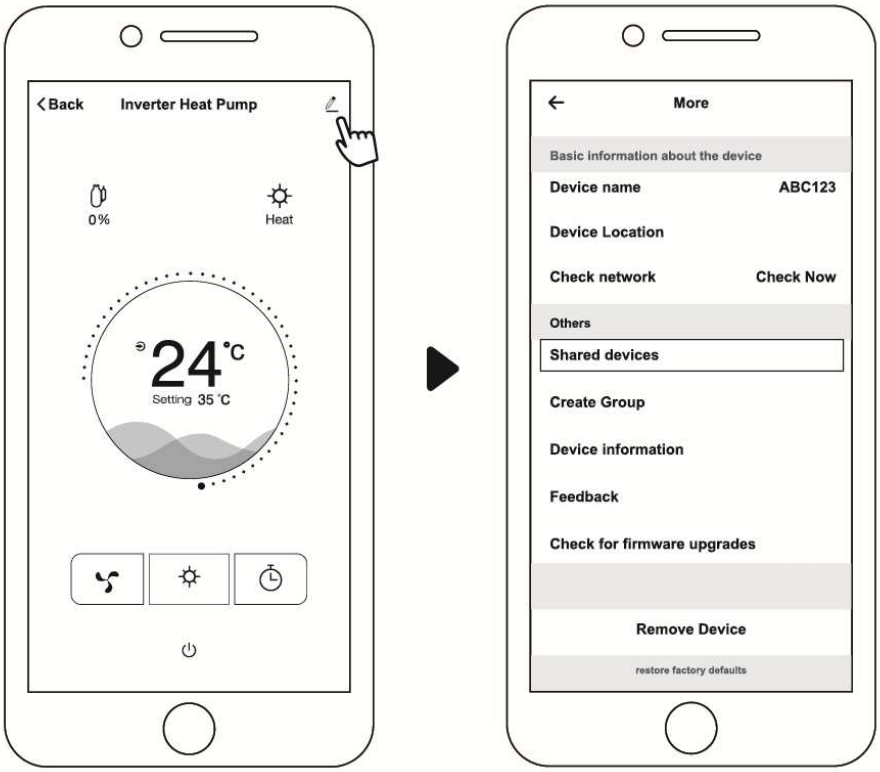
Tajmer

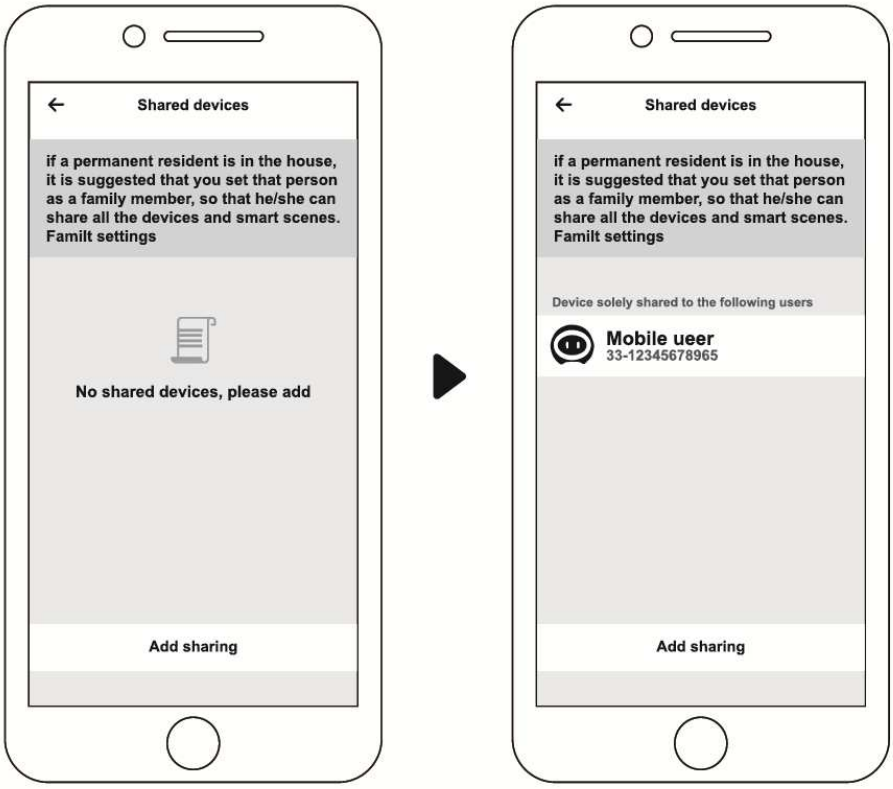
Odaberite Smart / Način tišine

Uključeno/Isključeno

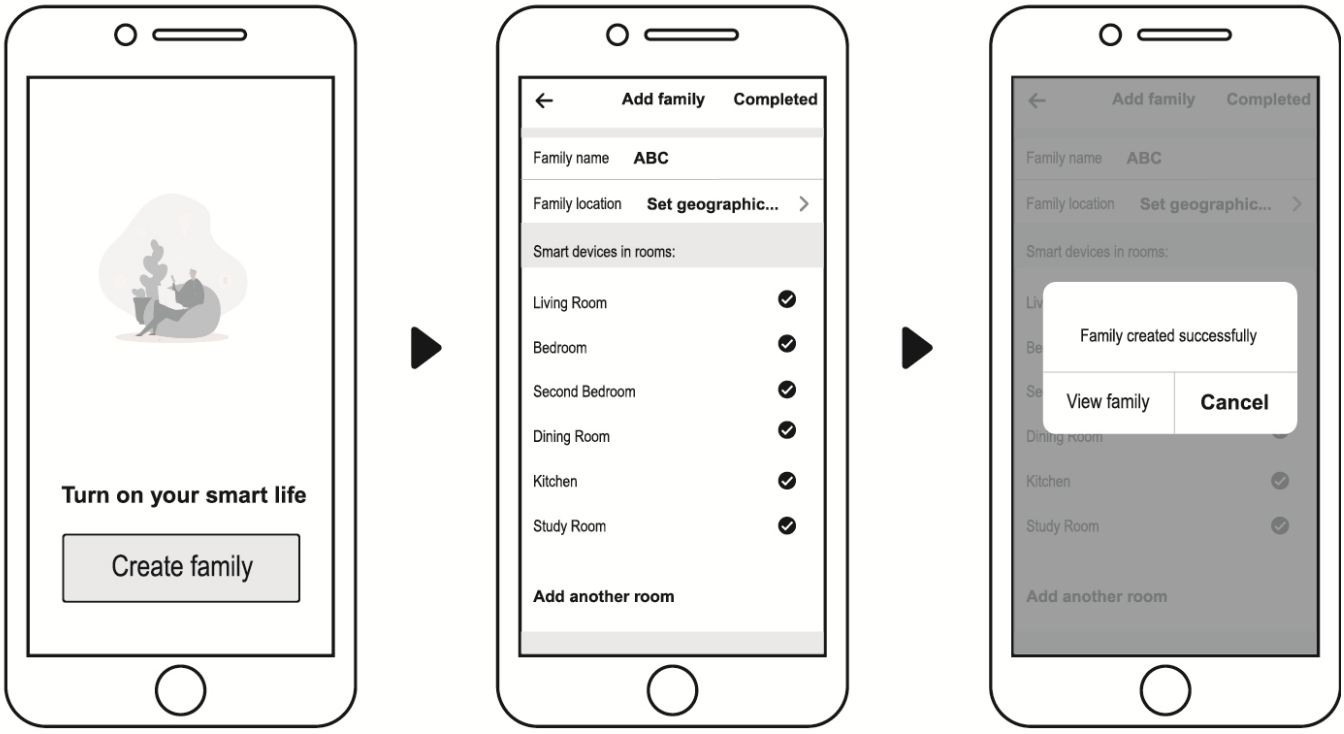
6) Deljenje uredjaja sa članovima porodice

Nakon vezivanja,ako i članovi vaše porodice žele da kontrolišu uređaj, dozvolite da članovi vaše porodice prvo preuzmu Aplikaciju, a zatim administrator može da radi na sledeći način:





Članovi vaše porodice se mogu ulogovati na sledeći način:

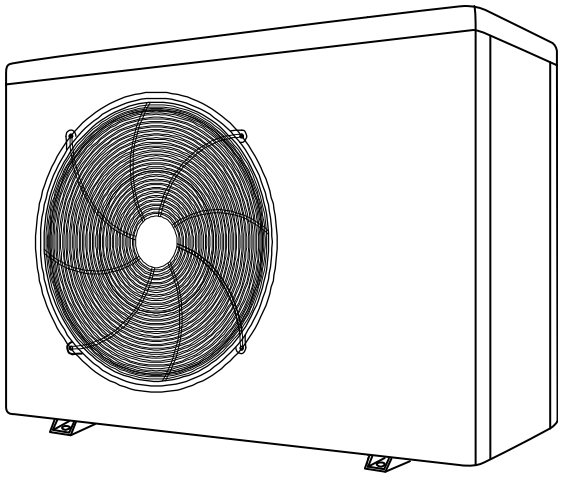


Napomena:

1. Vremenska prognoza je samo za referencu
2. Aplikacija se može ažurirati bez najave

TermoPool
ogrevanje & bazeni

HidroTerm
grejanje & bazeni



SUMMARY

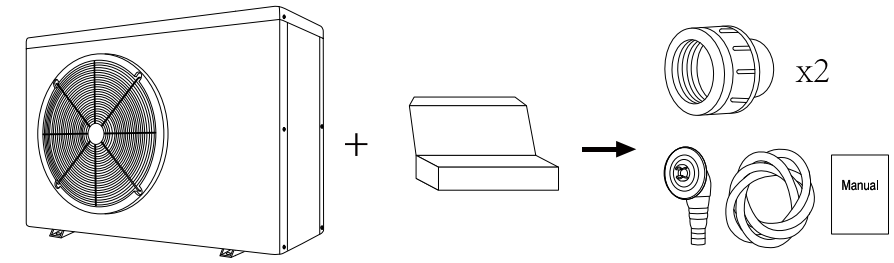
PLEASE READ IT CAREFULLY AND KEEP IT FOR SUBSEQUENT USE

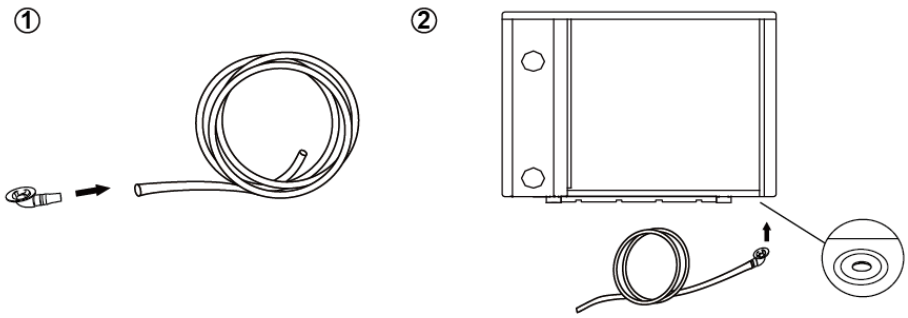
This manual provides you necessary information for optimal use and maintenance

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	-7℃～43℃
Temp. setting	heating	18℃～40℃
	cooling	12℃～30℃

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

1.3. Advantages of different modes:

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

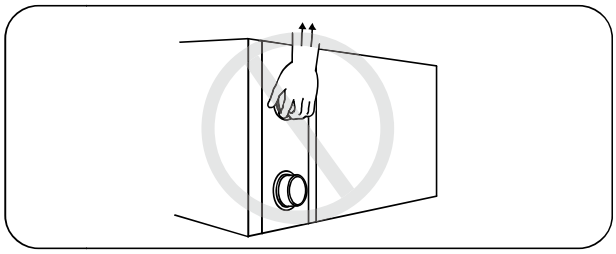
MODE	RECOMMENDATION	ADVANTAGES
	Smart mode As standard	Heating capacity: 20% to 100% capacity Intelligent optimization Fast heating
	Silence mode Use at night	Heating capacity: 20% to 80% capacity Sound level: 3dB (A) lower than Smart mode.

1.4. Kind reminder:

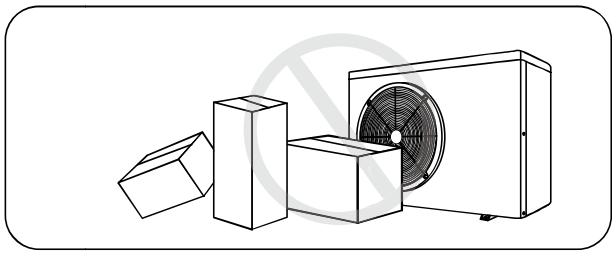
⚠This heat pump has Power-off memory function. When the power is recovered, the heat pump will restart automatically.

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.

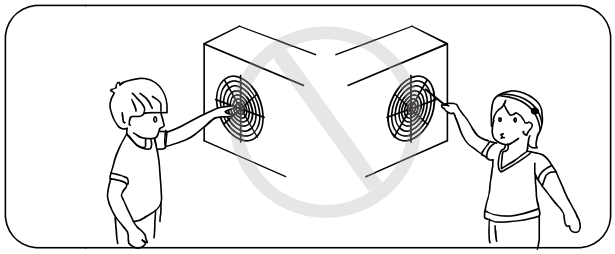
1.4.2. Don't lift the water union when moving the heat pump since the titanium heat exchanger inside the heat pump will be damaged.



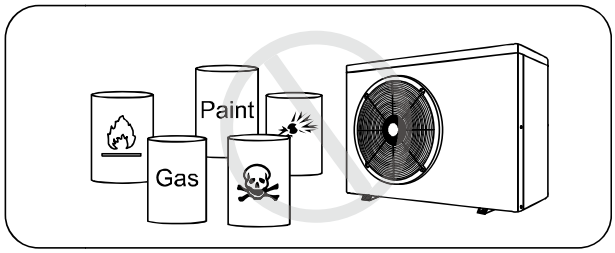
1.4.3. Don't put obstacles before the air inlet and outlet of the heat pump.



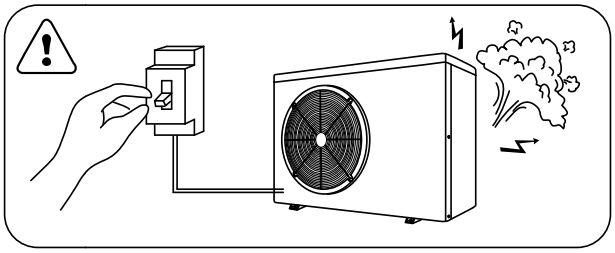
1.4.4. Don't put anything into inlet or outlet, or the efficiency of the heat pump will be reduced or even stopped.



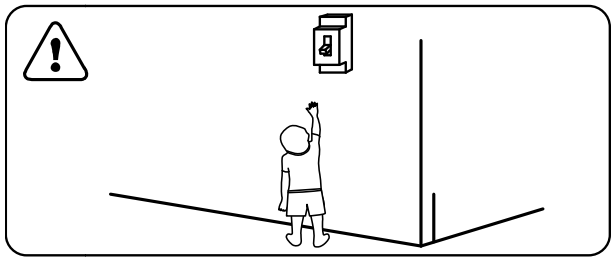
1.4.5. Don’t use or store combustible gas or liquid such as thinners, paint and fuel to avoid fire.



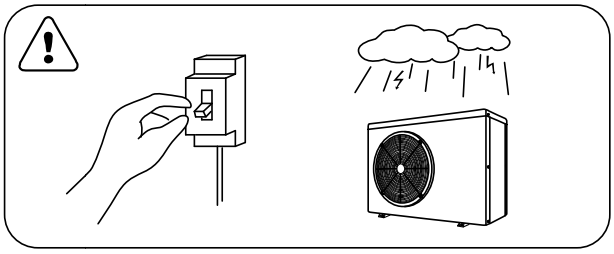
1.4.6. If any abnormal circumstances occurred, **e.g.: abnormal noises, smells, smokes and leakage of electricity, switch off the main power immediately and contact your local dealer.** Don’t try to repair the heat pump by yourselves.



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 is on, 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℃) Heating (18~40℃) Cooling (12~30℃)
	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.

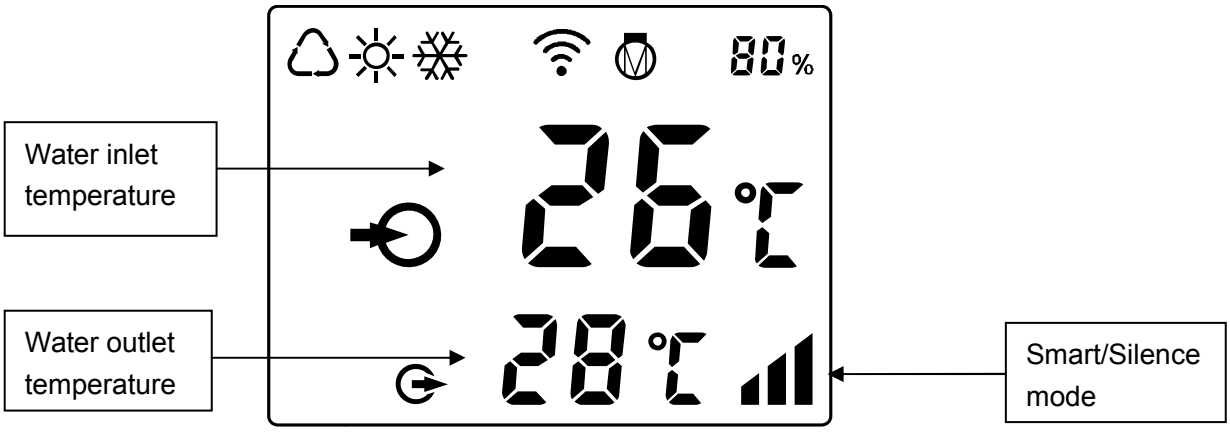
b. When HP is off, screen will be dark and "0%" will be displayed.

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℃

b. Heating  : adjustable temperature range 18~40℃

c. Cooling  : adjustable temperature range 12~30℃

4. 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)

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 ℃ and ℉:

Press "+" and "—" together for 5 seconds to switch between ℃ and ℉.

7. Wifi setting

Please kindly check the last page.

2.3. Daily maintenance and winterizing

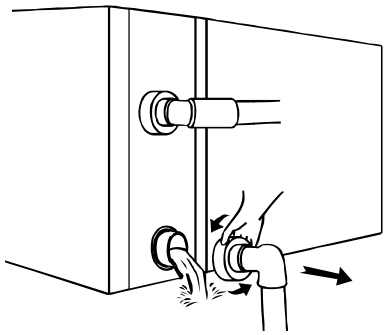
2.3.1. Daily Maintenance

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℃, 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.

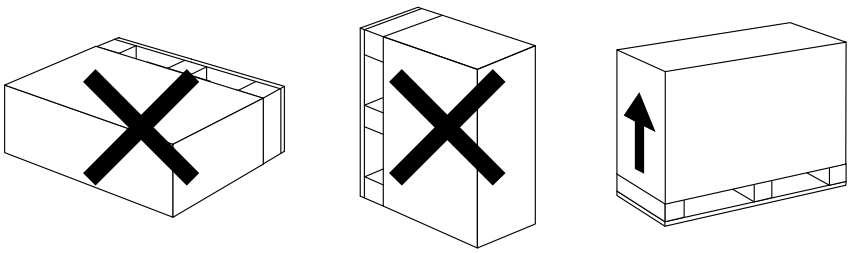
3. TECHNICAL SPECIFICATION

Model	AIC06	AIC08	AIC10	AIC12	AIC13	AIC17	AIC21	AIC28	AIC28T	AIC35T
Advised pool volume (m^3)	15~30	20~40	25~45	30~55	35~65	40~75	50~95	65~120	65~120	90~160
Working air temp (℃)		**-7~43**								
Performance Condition: Air 26°C, Water 26°C, Humidity 80%										
Heating capacity (kW)	6.5	8.0	9.8	12.0	13.3	17.3	21.0	27.3	27.0	35.2
C.O.P	15.8~7.4	14.7~7.0	15.3~6.9	14.8~5.7	15.4~6.4	15.5~5.9	15.2~5.7	15.3~6.2	15.2~6.2	15.5~5.5
C.O.P at 50% speed	11.3	10.6	10.7	10.3	10.6	10.8	10.5	11.0	11.0	10.6
Performance Condition: Air 15°C, Water 26°C, Humidity 70%										
Heating capacity (kW)	4.8	5.8	6.8	8.0	9.4	11.4	14.3	18.0	18.0	24.0
C.O.P	8.1~4.8	7.3~4.8	7.7~4.6	7.4~4.3	7.8~4.4	7.8~4.3	7.7~4.2	8.1~4.6	7.9~4.5	8.0~4.5
C.O.P at 50% speed	7.0	6.5	6.6	6.2	6.5	6.3	6.2	6.7	6.7	7.0
Performance Condition: Air 15°C, Water 26°C, Humidity 80%										
Cooling capacity (kW)	3.0	4.0	4.5	5.5	6.2	7.7	10.0	12.1	12.1	16.4
Rated input power(kW) at air 15°C	0.12~0.94	0.16~1.2	0.21~1.4	0.24~1.8	0.27~2.1	0.3~2.6	0.36~3.3	0.53~3.8	0.53~3.9	0.63~5.15
Rated input current(A) at air 15°C	0.52~4.1	0.7~5.2	0.91~6.1	1.04~7.8	1.17~9.1	1.3~11.3	1.57~14.3	2.3~16.5	0.76~5.6	0.91~7.4
Power supply	**230V/1 Ph/50Hz**								**400V/3 Ph/50Hz**	
Advised water flux (m^3/h)	2~4	2~4	3~4	4~6	5~7	6.5~8.5	8~10	10~12	10~12	12~18
Sound pressure 1m dB(A)	37.8~47.2	38.8~48.2	38.6~49.9	42.1~50.7	41.3~54.0	43.1~53.8	40.9~54.2	43.5~54.9	43.5~54.9	42.6~54.7
Sound pressure 10m dB(A)	17.8~27.2	18.8~28.2	18.6~29.9	22.1~30.7	21.3~34.0	23.1~33.8	20.9~34.2	23.5~34.9	23.5~34.9	22.6~34.7
Water pipe in-out Spec (mm)	**50**									
Net Dimension LxWxH (mm)	961×340×658	961×340×658	961×340×658	961×340×658	961×340×658	961×420×658	961×420×758	1092×420×958	1092×420×958	1161×530×958
Net Weight (kg)	43	45	49	50	52	63	68	90	93	117

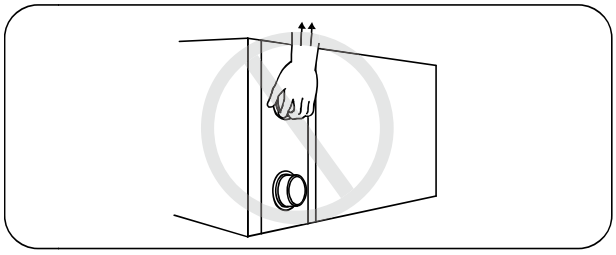
- *The values indicated are valid under ideal conditions: Pool covered with an isothermal cover, filtration system running at least 15 hours a day.*
- *Related parameters are subject to adjustment periodically for technical improvement without further notice. For details please refer to nameplate.*

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.

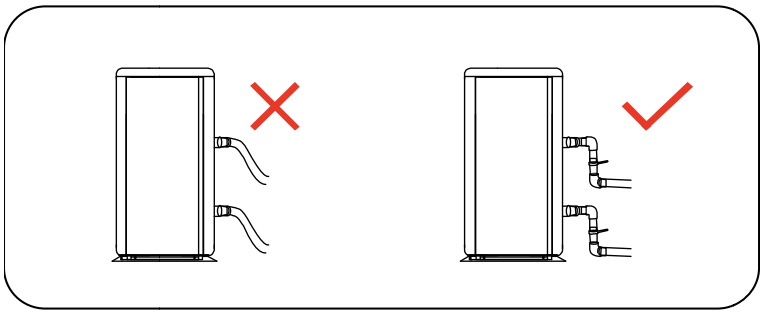


2. INSTALLATION AND MAINTENANCE

⚠ 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!

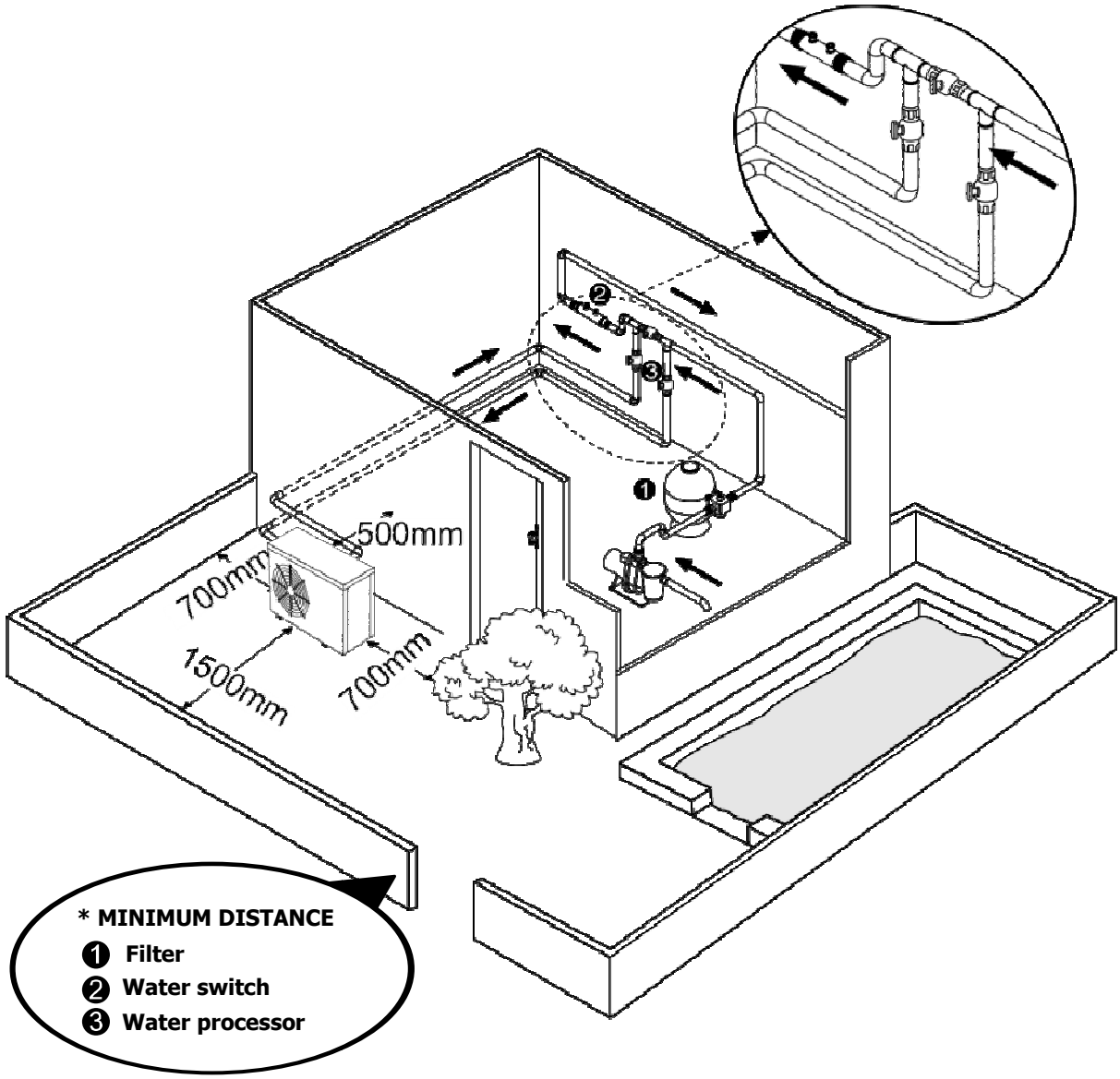


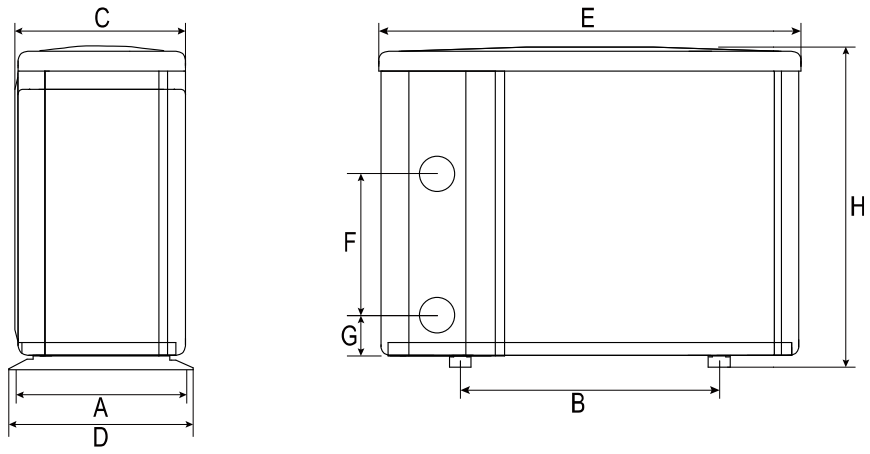
2.1.2. In order to guarantee the heating efficiency, the water pipe length should be **≤10m** between the pool and the heat pump.

2.2. Installation instruction

2.2.1. Location and size

The heat pump should be installed in a place with good ventilation





MODEL	UNIT=MM	A	B	C	D	E	F	G	H
	AIC06	315	590	312	340	961	250	74	658
	AIC08	315	590	312	340	961	250	74	658
	AIC10	315	590	312	340	961	280	74	658
	AIC12	315	590	312	340	961	280	74	658
	AIC13	315	590	312	340	961	340	74	658
	AIC17	395	590	392	420	961	390	74	658
	AIC21	395	590	392	420	961	460	74	758
	AIC28	395	720	392	420	1092	620	74	958
	AIC28T	395	720	392	420	1092	620	74	958
	AIC35T	505	790	496	530	1161	650	74	958

※ Above data is subject to modification without notice.

2.2.2. Heat pump installation.

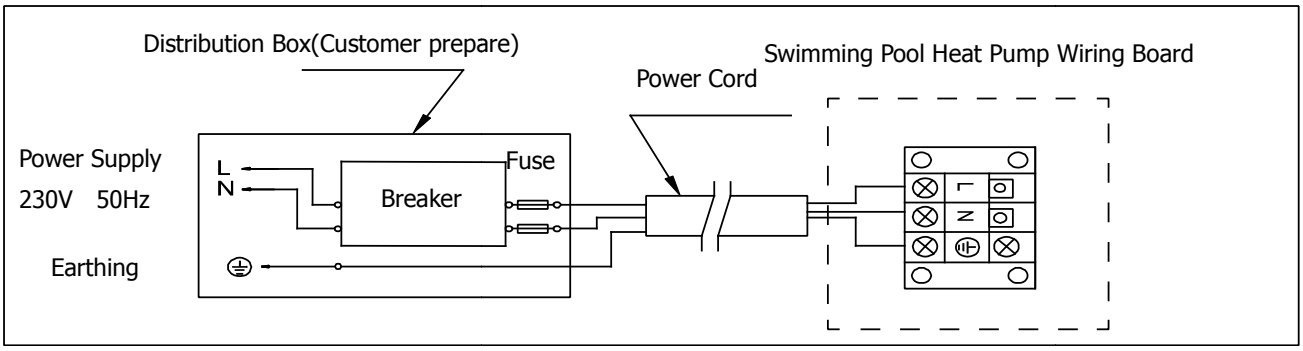
- The frame must be fixed by bolts **(M10)** to concrete foundation or brackets. The concrete foundation must be solid; the bracket must be strong enough and anti-rust treated;
- The heat pump needs a water pump **(Supplied by the user)**. The recommended pump specification-flux: refer to Technical Parameter, 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

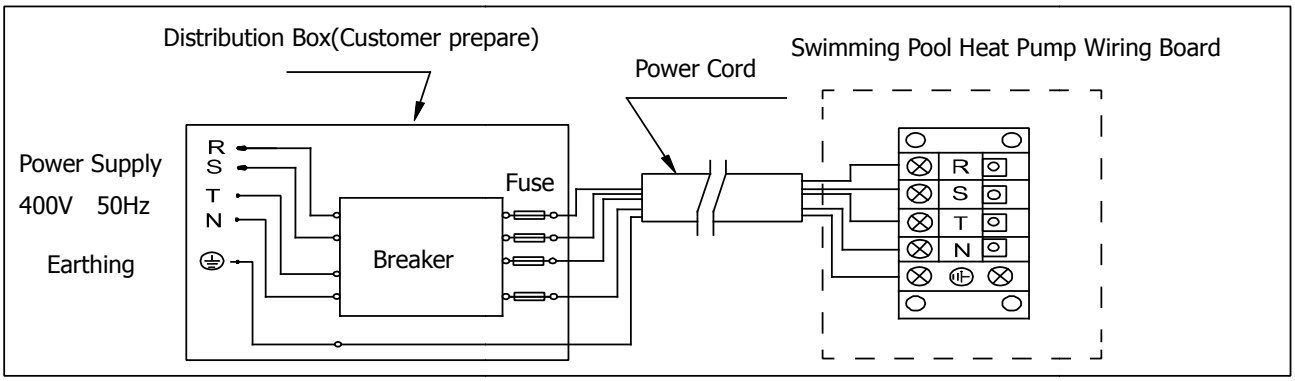
- Connect to appropriate power supply, the voltage should comply with the rated voltage of the products.
- Well earth the heat pump.
- Wiring must be connected by a professional technician according to the circuit diagram.
- Set breaker or fuse according to the local code (leakage operating current **≤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

1. Wiring diagram

A. For power supply: 230V 50Hz



B. For power supply: 400V 50Hz



NOTE:

Must be hard wired, no plug allowed (In Australia, AIC08~ AIC13 has plug for optional).

- 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.

2. Options for protecting devices and cable specification

MODEL		AIC06	AIC08	AIC10	AIC12	AIC13	AIC17	AIC21	AIC28	AIC28T	AIC35T
Breaker	Rated Current A	9.0	9.0	10.5	13.0	13.5	16.0	21.0	24.0	9.0	12.0
	Rated Residual Action Current mA	**30**	**30**	**30**	**30**	**30**	**30**	**30**	**30**	**30**	**30**
Fuse A		9.0	9.0	10.5	13.0	13.5	16.0	21.0	24.0	9.0	12.0
Power Cord (mm^2)		3×1.5	3×1.5	3×2.5	3×2.5	3×2.5	3×2.5	3×4	3×6	5x2.5	5x2.5
Signal cable (mm^2)		**3×0.5**	**3×0.5**	**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

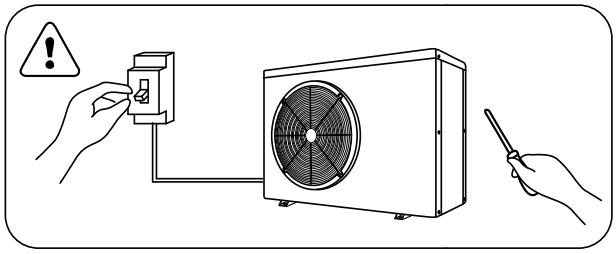
- The user is advised to start the water pump before the heat pump, and turn off the heat pump before the water pump for long life circle.
- The user should start the water pump, and check for any leakage of water; Power on and press the ON/OFF button of the heat pump, and set desired temperature in 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.

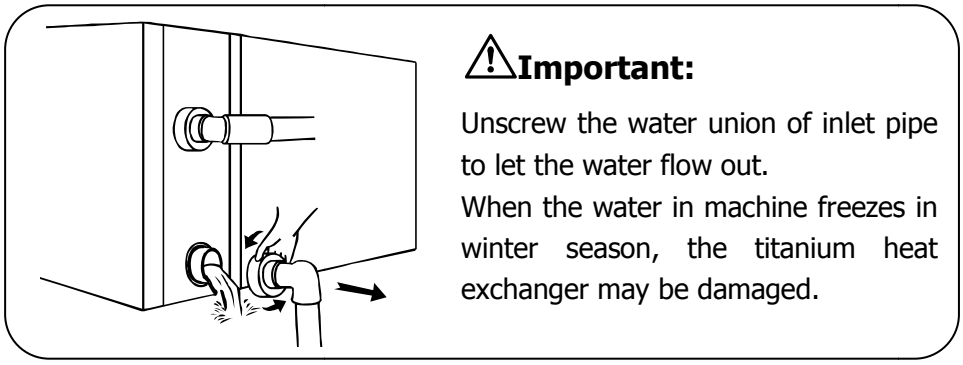
- Cut off power supply of the heat pump before cleaning, examination and repairing . Do not touch the electronic components until the LED indication lights on PCB turn off.



- 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℃, 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

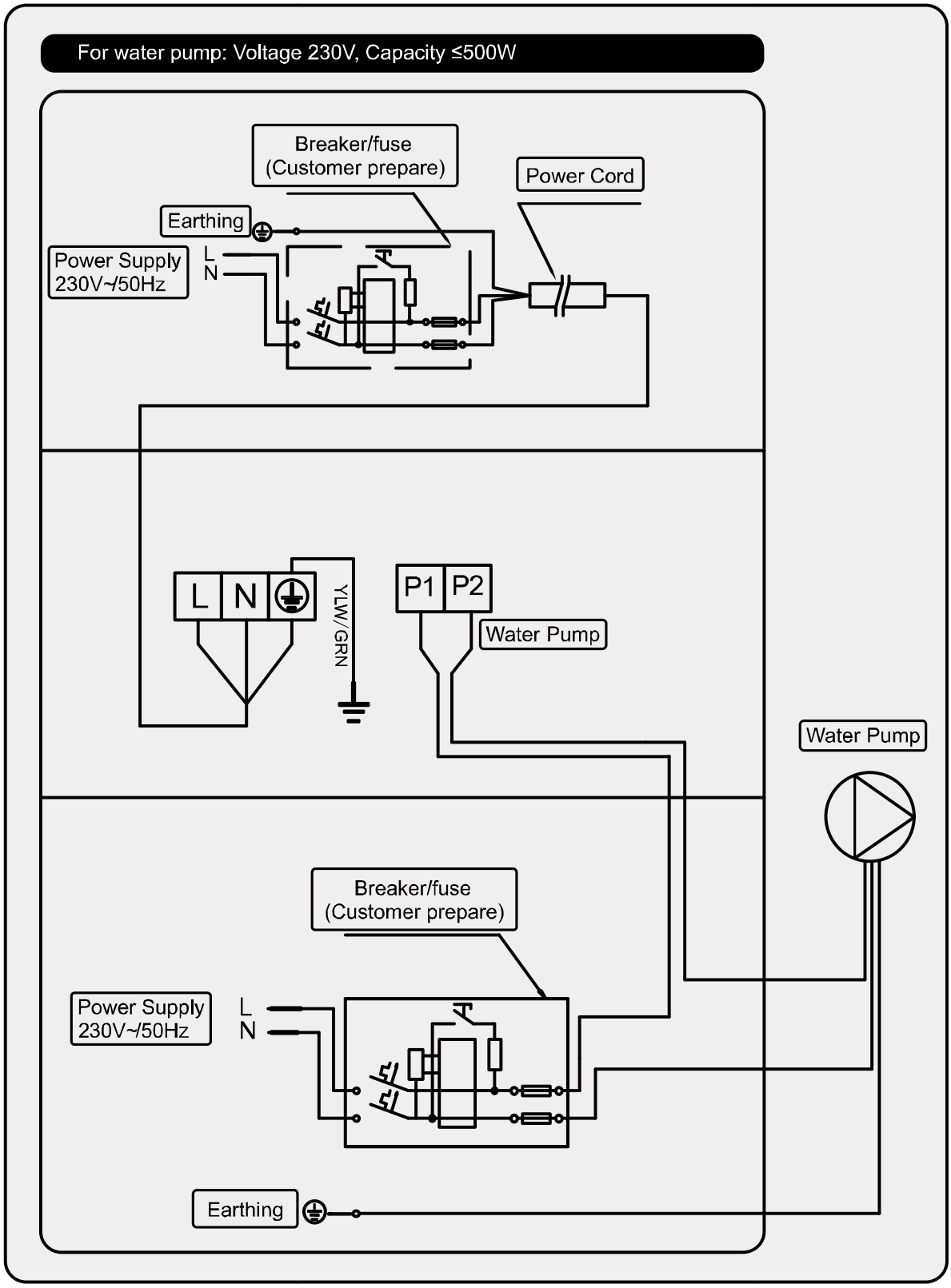
FAILURE	REASON	SOLUTION
Heat pump doesn't run	No power	Wait until the power recovers
	Power switch is off	Switch on the power
	Fuse burned	Check and change the fuse
	The breaker is off	Check and turn on the breaker
Fan running but with insufficient heating	evaporator blocked	Remove the obstacles
	Air outlet blocked	Remove the obstacles
	3 minutes start delay	Wait patiently
Display normal, but no heating	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.

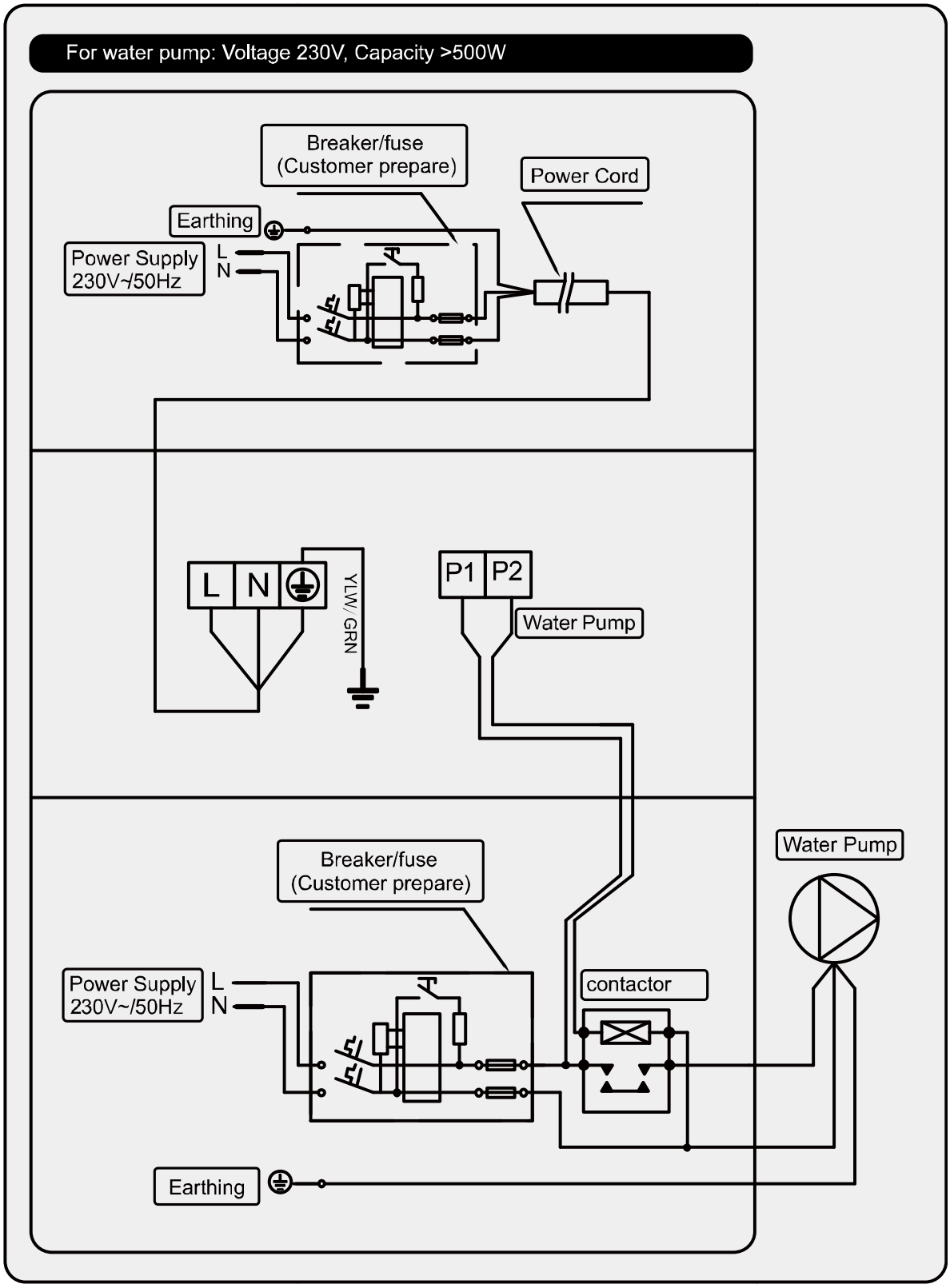
4. FAILURE CODE

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

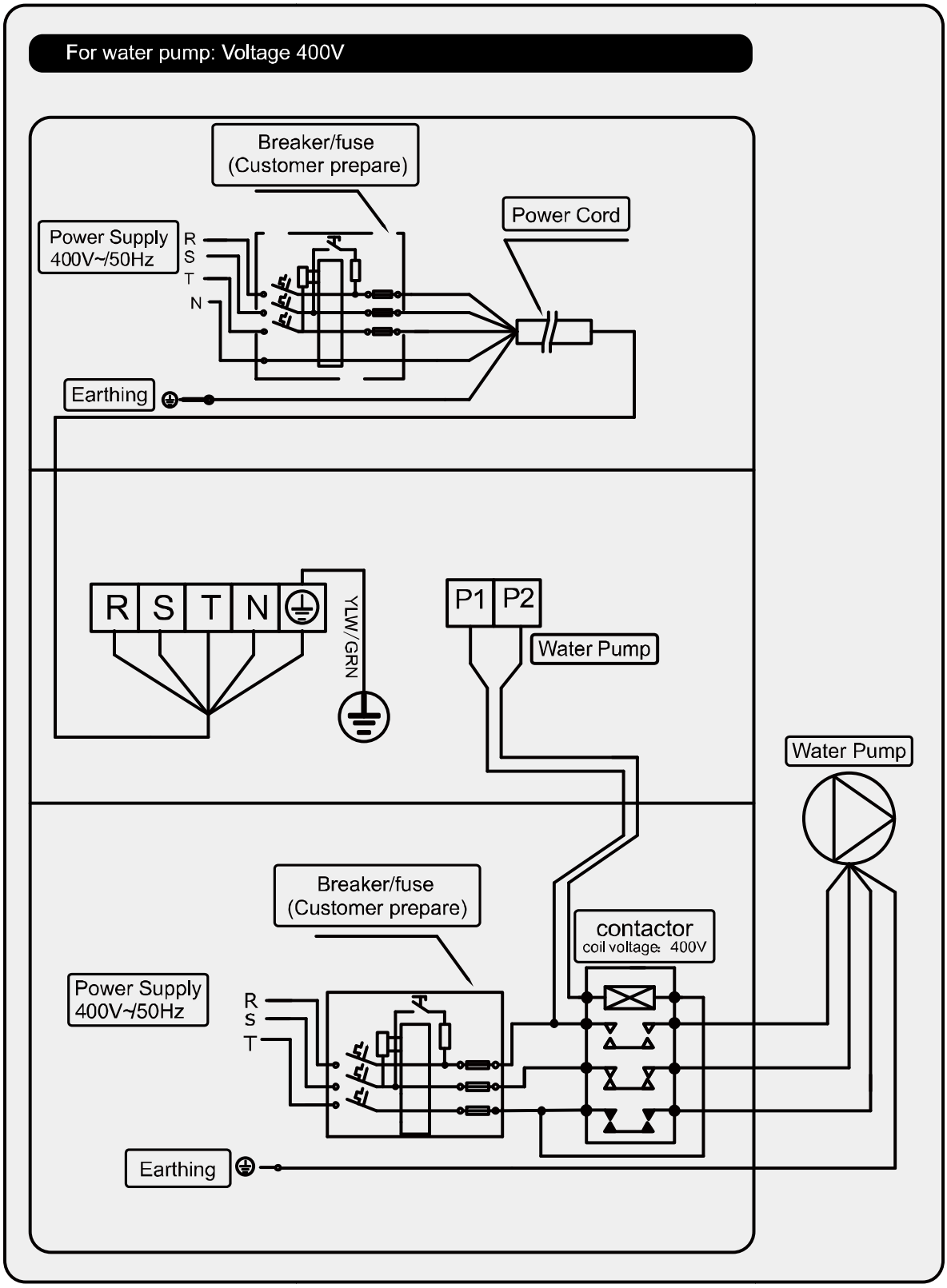
APPENDIX 1: HEATING PRIORITY WIRING DIAGRAM (OPTIONAL)



APPENDIX 2: HEATING PRIORITY WIRING DIAGRAM (OPTIONAL)

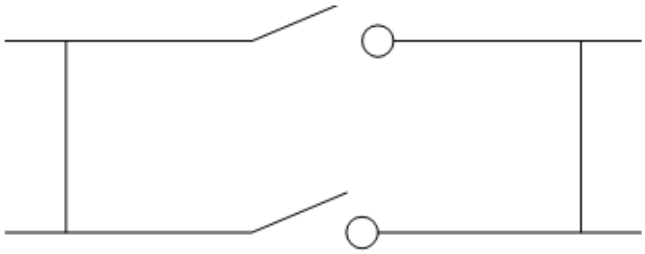


APPENDIX 3: HEATING PRIORITY WIRING DIAGRAM (OPTIONAL)



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

Smarter Pool

Android mobile please download from

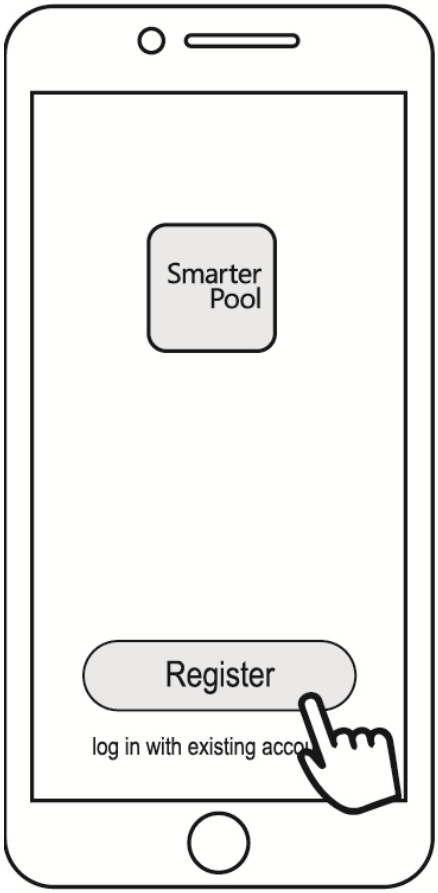
ANDROID APP ON **Google play**

iphone please download from

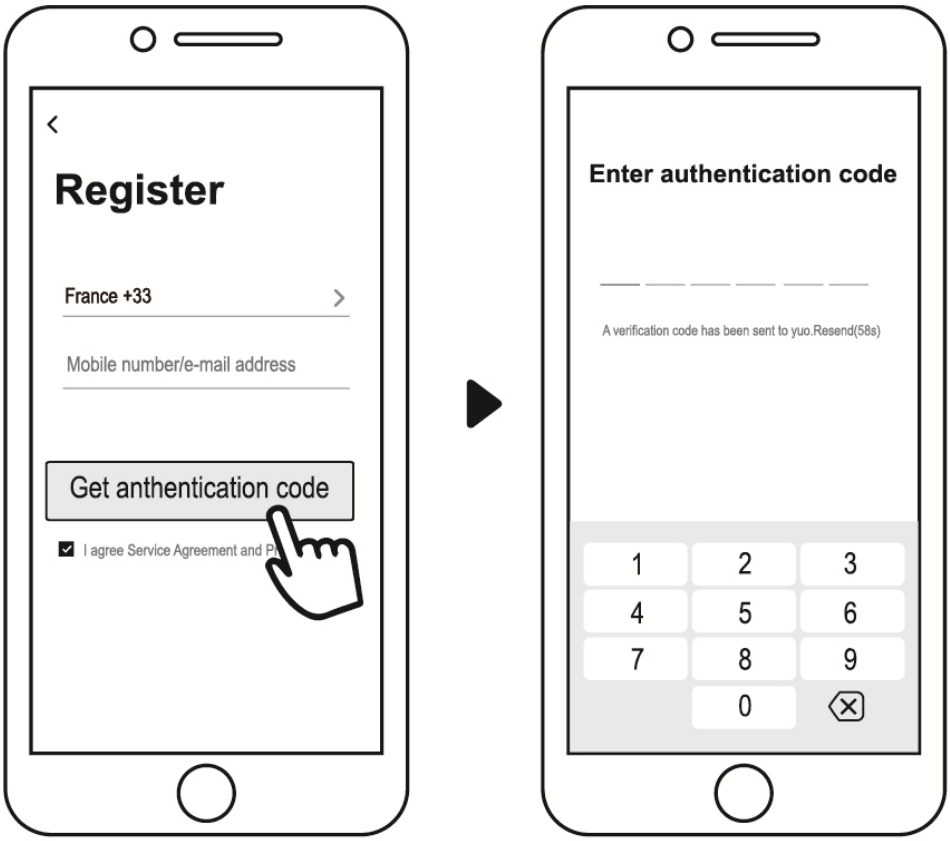
Available on the **App Store**

2) Account registration

a) Registration by Cell phone number/Email

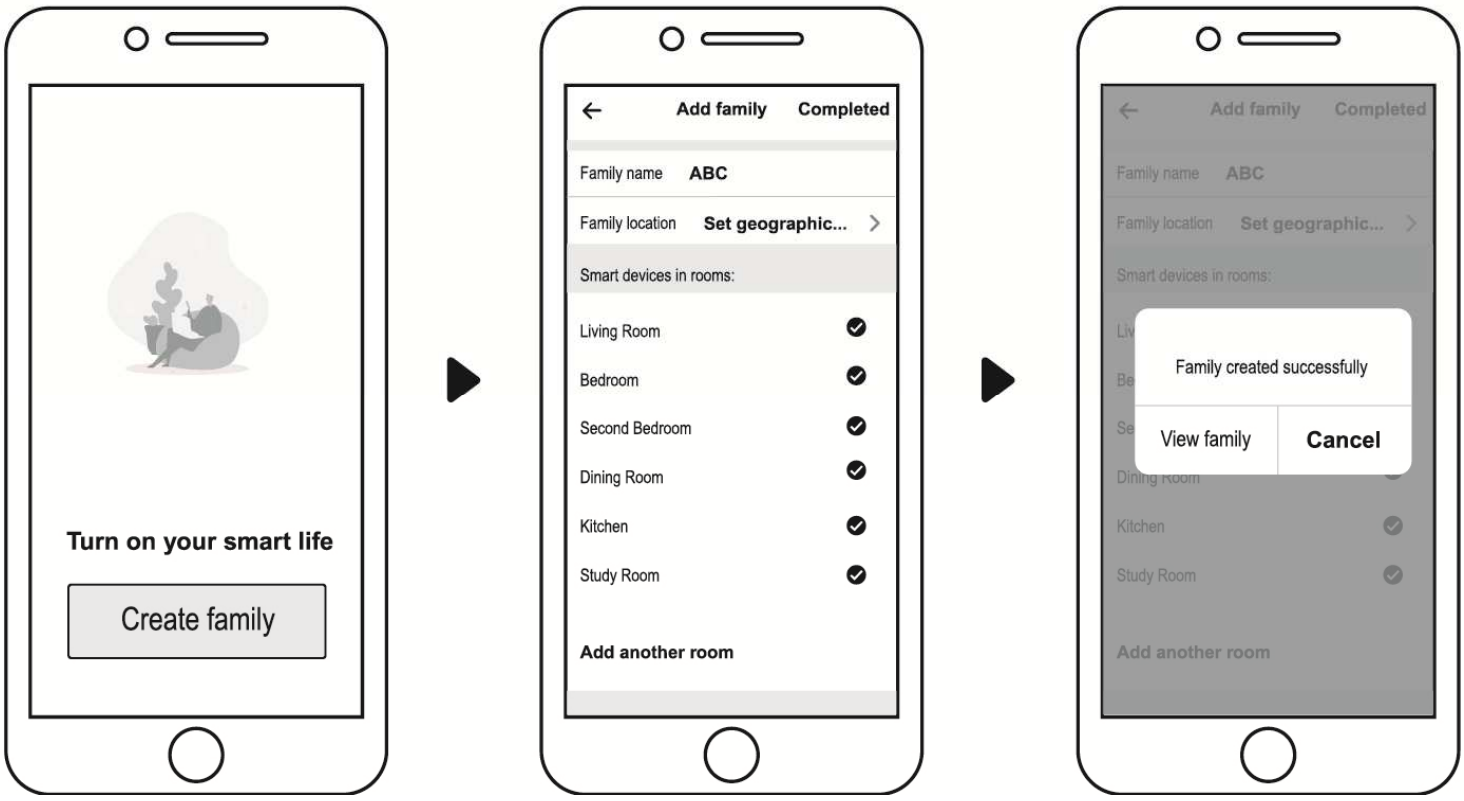


b) Cell phone number registration



3) Create family

Please set family name and choose the room of device



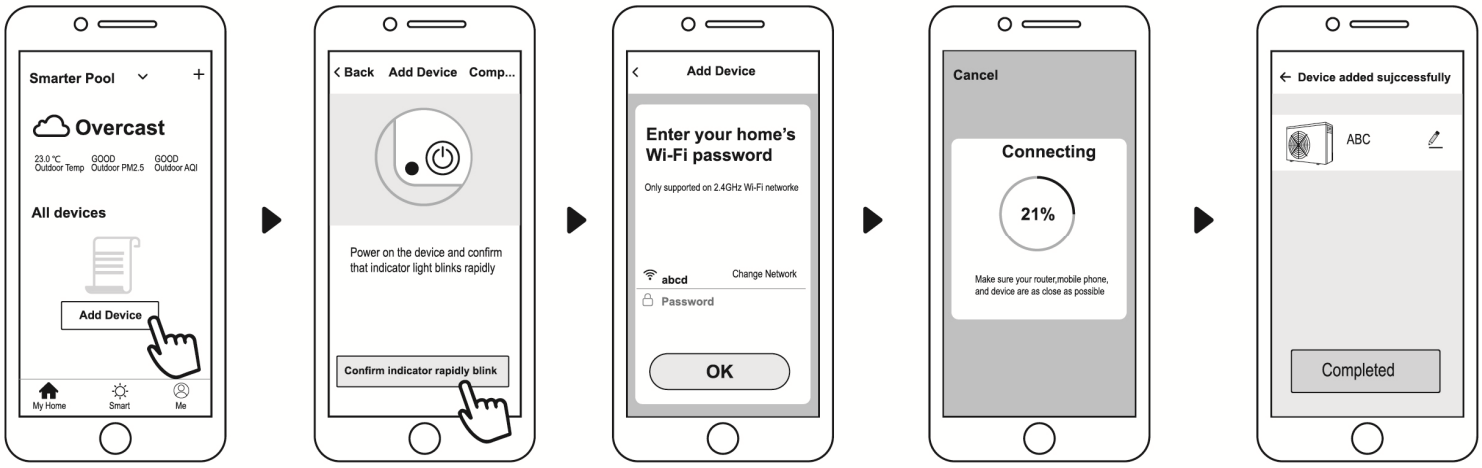
4) APP Binding

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.

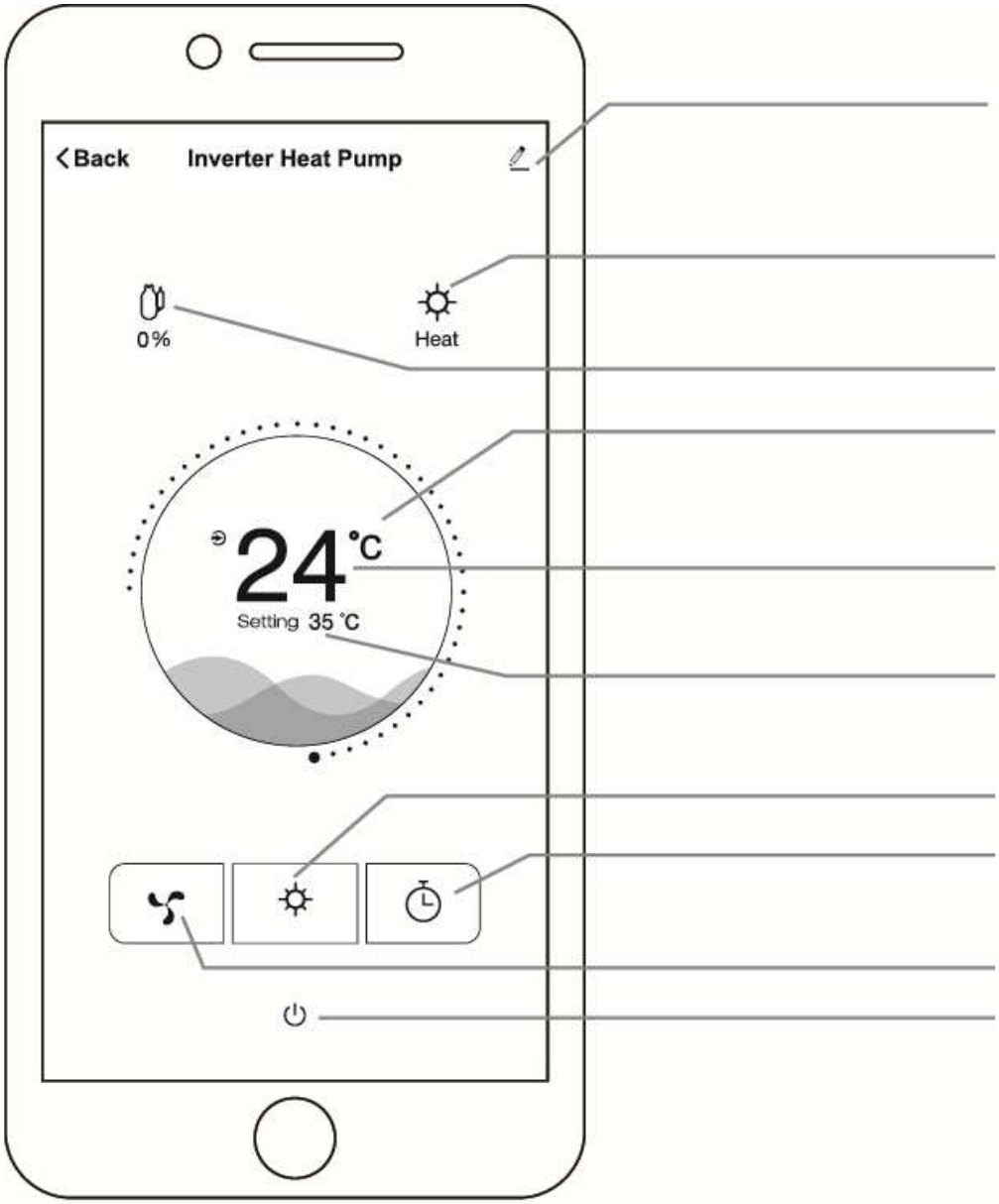
d) Wifi rebinding (When Wifi password changes or network configuration changes):

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.



More
share devices

Indicate the status of Heating / Cooling

Heating capacity percentage

Select ℃/℉

The current swimming pool water temperature

The setting temperature

Select Heating/ Cooling Function

Timer

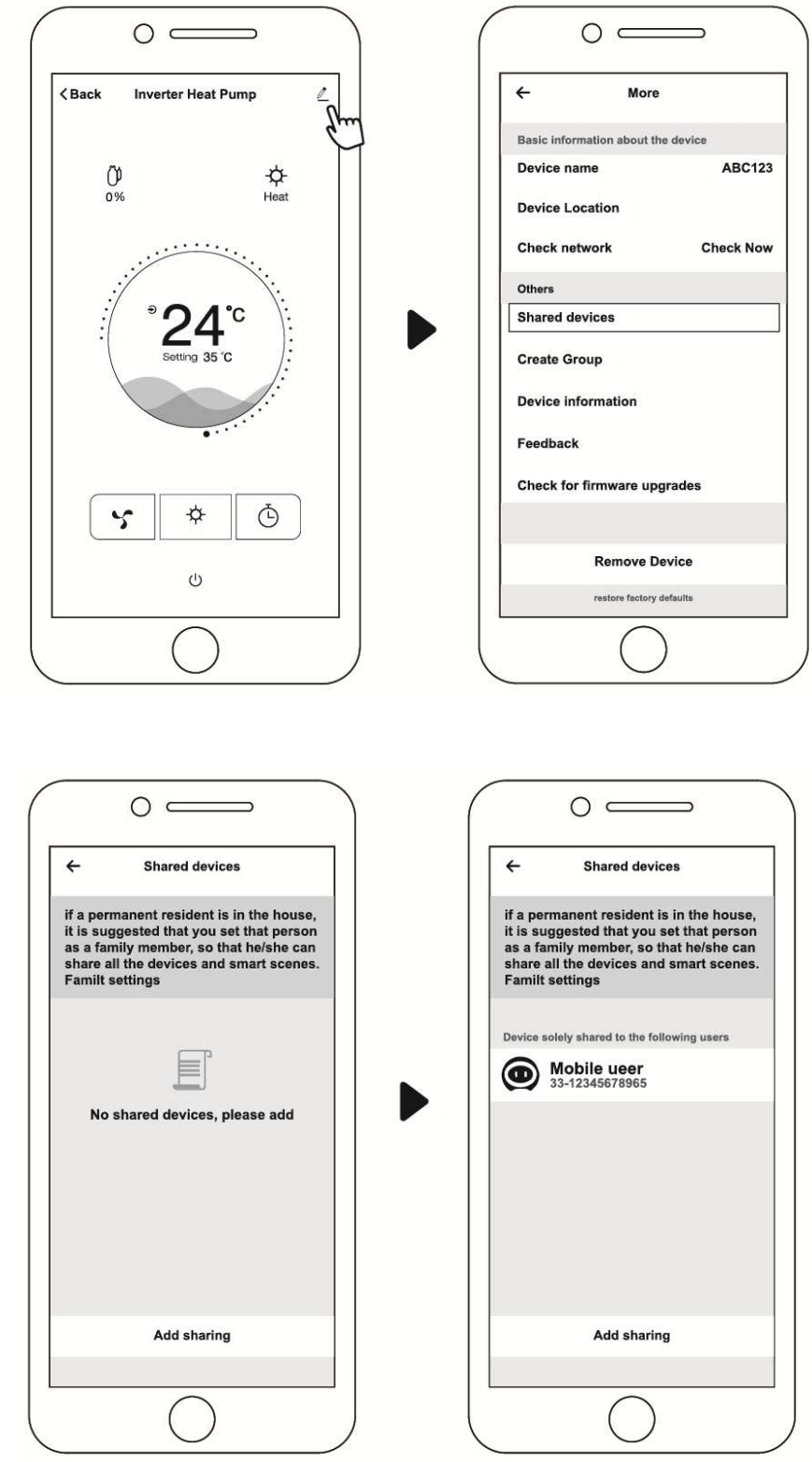
Select Smart/ Silence Mode

On/Off

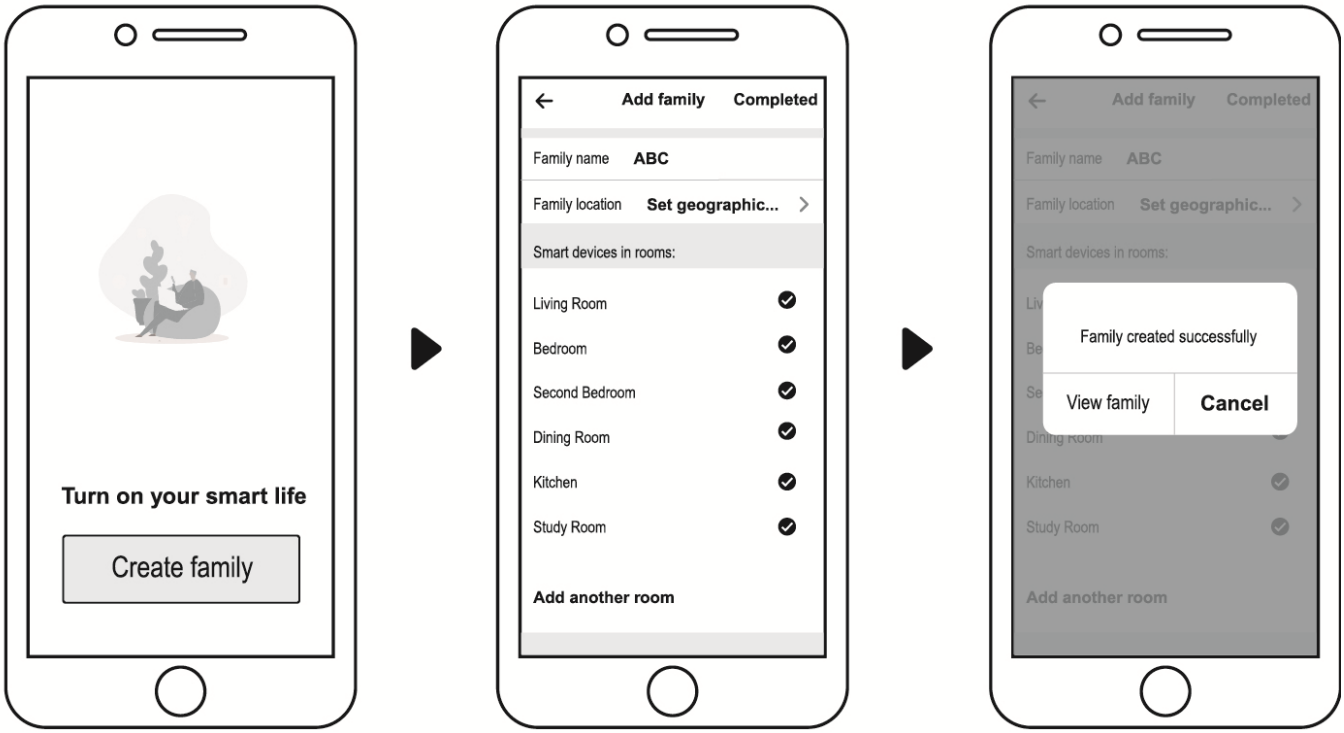
6) Share devices to your family members

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.

Thank you for choosing Full-inverter Pool heat pump

Version: Dg9LR410-1