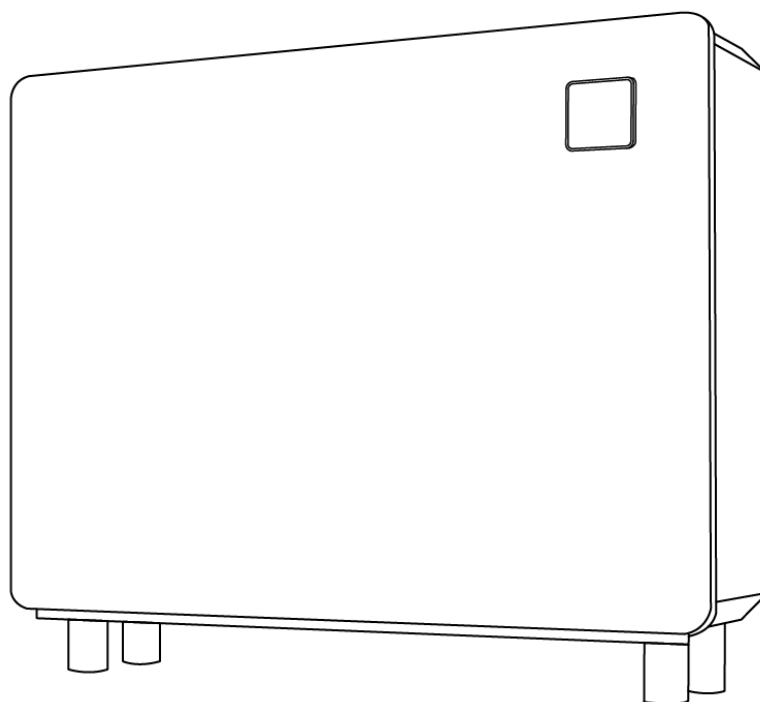


R32 Full-inverter Dehumiditator  
Instalacija & uputstvo za upotrebu



# SADRŽAJ

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## **Za instalatere i profesionalce... ..... P.9-P.19**

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MOLIMO VAS PAŽLJIVO PROČITAJTE I ČUVAJTE ZA UPOTREBU.

OVAJ PRIRUČNIK VAM DAJE POTREBNE INFORMACIJE ZA RAD I ODRŽAVANJE.



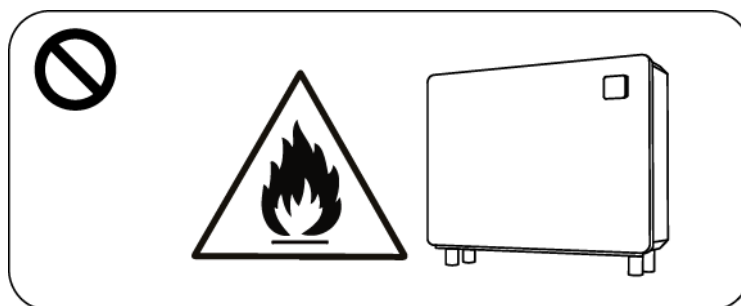
## UPOZORENJE:

- Pročitajte sledeće savete preinstaliranja, korišćenja i održavanja.
- Instalaciju, uklanjanje i održavanje moraju izvoditi profesionalci u skladu sauputstvima.
- Ispitivanje curenja gasa mora se obaviti pre i posle ugradnje.

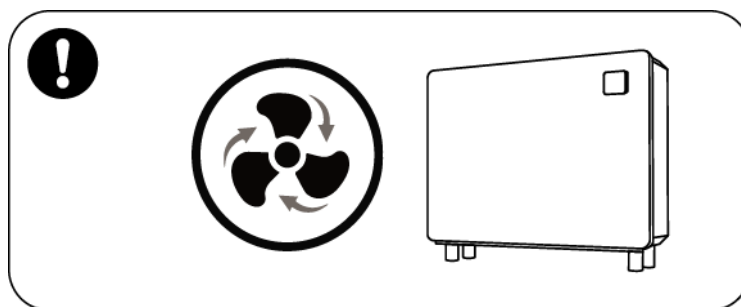
### 1.Korišćenje

- Moraju ga instalirati ili ukloniti profesionalci, a zabranjeno je demontirati i popraviti bez dozvole.
- Ne postavljajte prepreke pred ulaz i izlaz azduha od odvlaživača.

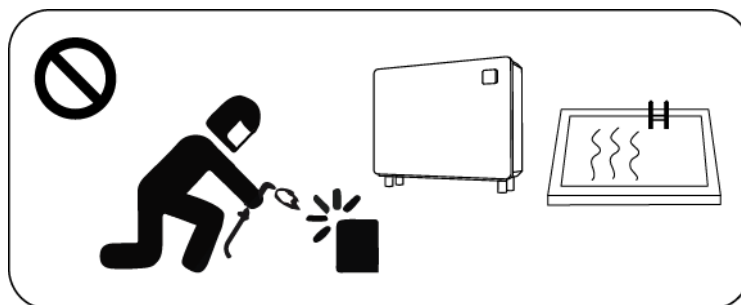
### 2.Instalacija



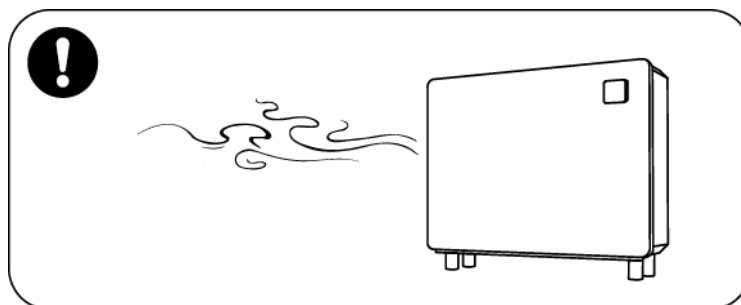
- Ovaj proizvod se mora držati dalje od izvora vatre.
- Mesto ugradnje mora biti sa dobrim ventilacionim sistemom.



- U potpunosti usisajte pre zavarivanja, zavarivanje na terenu nije dozvoljeno, zavarivanje može izvoditi samo profesionalno osoblje u profesionalnom centru za održavanje.



d. Instalacija mora da se zaustavi ako dođe do curenja plina R32, a jedinica se mora vratiti u centar za profesionalno održavanje.



### **3. Trnsport i skladištenje**

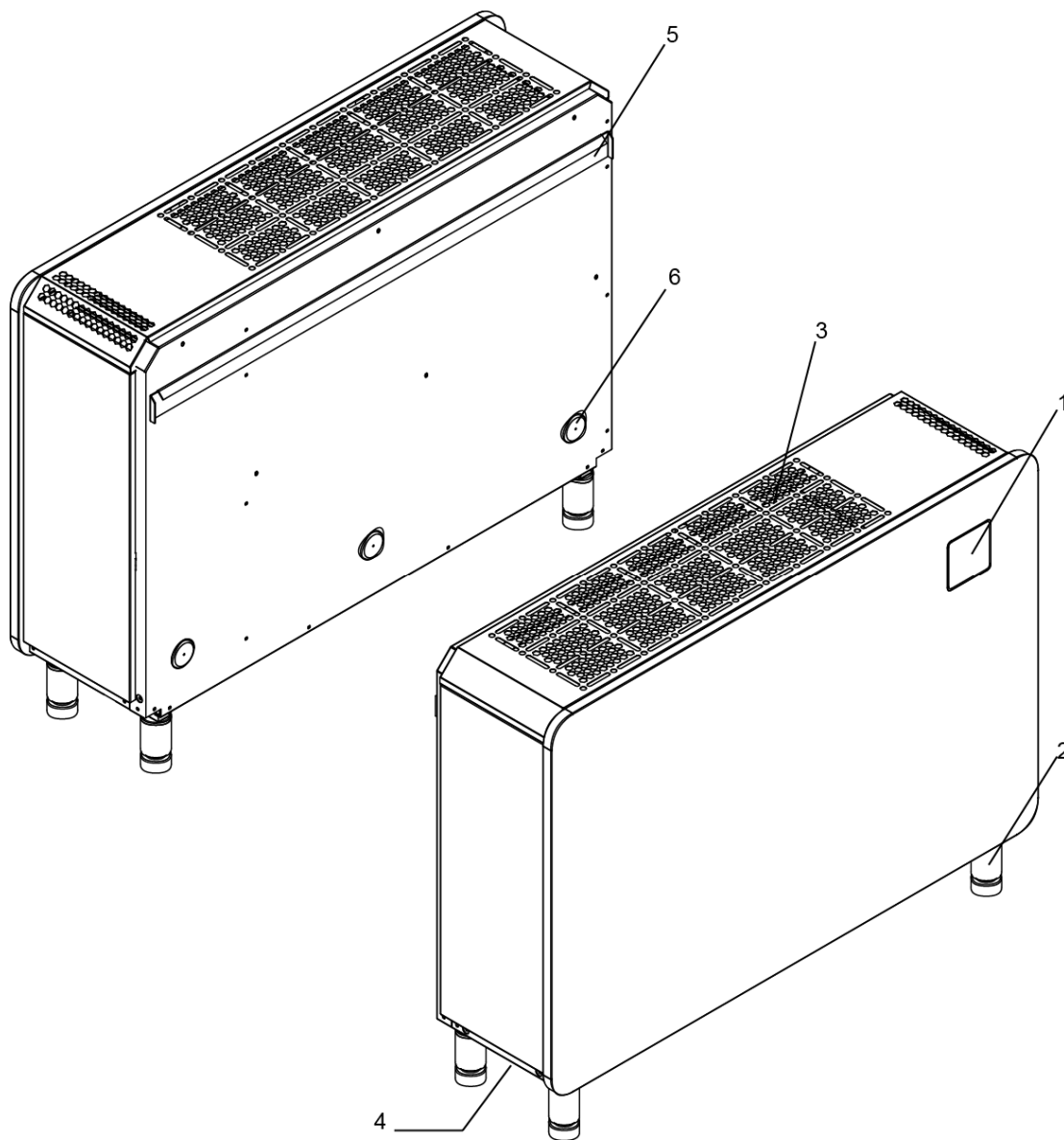
- a. Zaptivanje nije dozvoljeno tokom transporta
- b. Prevoz robe konstantnom brzinom potreban je da bi se izbeglo naglo ubrzanje ili naglo kočenje, kako bi se smanjiosudar robe.
- c. Jedinica mora biti daleko od izvora vatre.
- d. Prostor za odlaganje mora biti svetao, širok, otvoren i dobro provetran, potrebna je oprema za ventilaciju..

### **4. Obaveštenje o održavanju**

- a. Ako je potrebno održavanje ili zamena, kontaktirajte ovlašćeni servisni centar u blizini
  - b. Kvalifikacioni uslov
- Svi operateri koji odlažu rashladni gas moraju biti kvalifikovani važećom sertifikatom izdatom od profesionalne agencije.
- c. Molimo vas da se strogo pridržavate zahteva proizvođača prilikom održavanja ili punjenja rashladnog gasa R32. Molimo pogledajte uputstvo za tehničku uslugu.

## 1.OSNOVNE INFORMACIJE

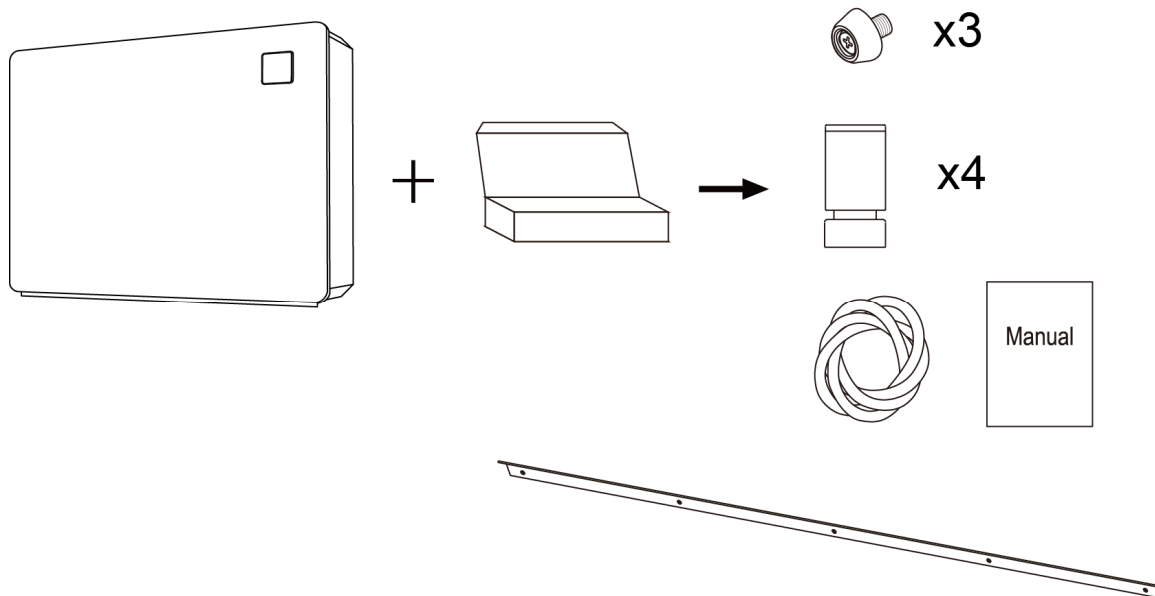
### 1. 1. Zamena delova



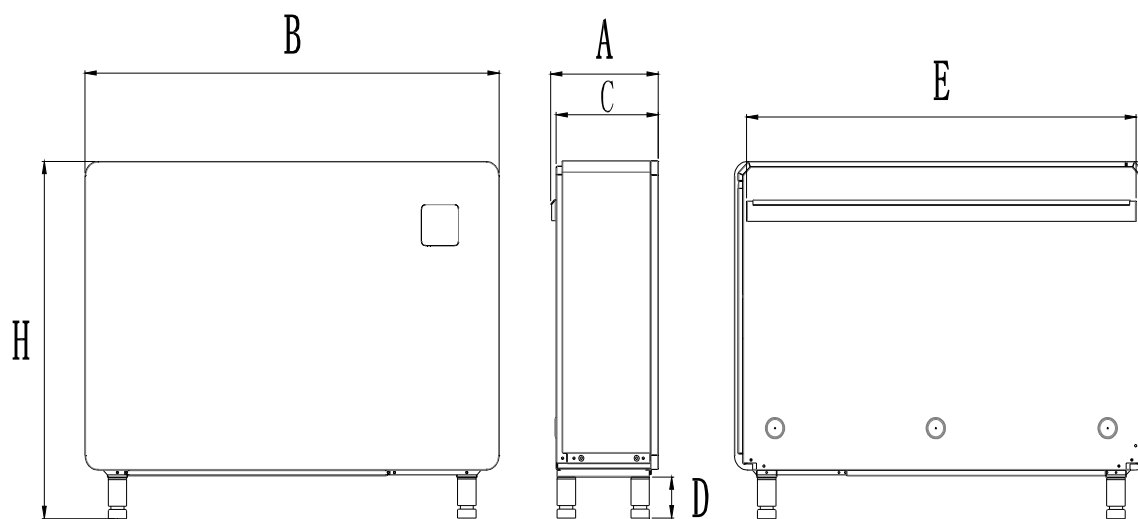
BR.	Ime
1	Kontrolor
2	Noga
3	Izlaz vazduha
4	Ulaz vazduh (na dnu)
5	Zidninosaç
6	PAD

## 1.2. Lista rezervnih delov

Padx3, Nogice x4, Odvodna cev x1(2m), Nosač, Uputstvo za rukovanje



## 1.3. Dimenzije



Size(mm) Name Model	A	B	C	D	E	H
IDHR60/IDHE60	291	850	276	100	784	870
IDHR96/IDHE96	291	1120	276	100	1054	870
IDHR120/IDHE120	291	1220	276	100	1154	870

## 2. OPERACIJE

### 2.1. Instrukcije za kontrolera







SIMBOLI	OZNAKA	FUNKCIJE
	ON/OFF	Pritisnite za uključivanje ili isključivanje odvlaživača
	Režim	1. Pritisnite samo za odvlaživač sa funkcijom odvlaživanja "  " za podešavanje, Smart  /Silence  režima. 2. Za odvlaživač sa funkcijama odvlaživanja i grejanja (odvlaživač sa opcionim električnim grejačem) pritisnite "  " dugmena 3 sekunde da biste izabrali režim: "Grejanje" "Odvlaživač" "Grejanje + Odvlaživanje"
	Vreme	Pritisnite da podesite vreme uključivanja i isključivanja
	Gore i dole	Podesite vrednost potrebnih parametara











1. Kada je odvlaživač vazduha uključen, pritisnite bilo koje dugme da biste osvetlili tastaturu i upravljali njome.





Kada je isključen, pritisnite da osvetli tastaturu i upravlja njome.





2. dugme

(1) Samo funkcija odvlaživanja: Pritisnite  jedno vreme, može preneti  ili  režim. Uobičajan je "pametni"  režim.

(2) Funkcija odvlaživanja i grejanja:



Pritisnuti i držati  3 sekunde,  ili  ili  +  zasvetleće, pre nego što prestane da svetli, pritisnite  da odaberete  ili  ili  +  cirkularno, što znači "Grejanje" "Odvlaživanje" "Grejanje+Odvlaživanje"

A. Funkcija odvlaživanja: Pritisnuti  još jednom, može da transformise režim u  i . Uobičajan je  režim.



B. Funkcija odvlaživanja i grejanja: Pritisnuti  još jednom, može da transformise mod između  i . Uobičajan je "pametni"  režim.



3. Podešavanje vlažnosti / temperature







(1) Samo funkcija odvlaživanja:


Pritisnuti  ili  za podešavanje vlažnosti. Opseg podešavanja vlažnosti je 30-95%. Uobičajno je 70%

(2) Funkcija odvlaživanja i grejanja:

A. U režimu odvlaživanja pritisnite  ili  za podešavanje vlažnosti. Opseg podešavanja vlažnosti je 30-95%. Uobičajno je 70%

B. U režimu grejanja pritisnite  ili  za podešavanje temperature. Opseg podešavanja temperature je 18~40°C. Uobičajno je 26 °C




C. U režimu grejanje + odvlaživanje pritisnite  po prvi put, broj za odvlaživanje zatreptaće, pritisnite  ili  da podesite željenu vlažnost. Automatski potvrdite i izađite nakon 5 sekundi bez rada dugmeta. Pritisnite , broj temperature trepće, pritisnite  ili  da podesite željenu temperaturu pre nego što treptanje prestane i automatski potvrdite i izađete nakon 5 sekundi bez rada dugmeta.

4.  simbol će se prikazati na ekranu kada je električni grejač uključen. U režimu grejanje + odvlaživanje, kada je radna frekvencija kompresora ispod 50%, električno grejanje će raditi na 100%

izlazne snage; kada je radna frekvencija kompresora iznad 50%, električno grejanje će raditi na oko 70% izlazne snage. (Napomena: funkcija grejanja je dostupna samo sa električnim grejačem)



(Napomena: Kada je temperatura na izlazu  $\geq 65$  ° C, ući će u zaštitu od pregrevanja izlaza za vazduh sistem i zaustaviti se (prestaće kompresor i grejanje na struju). Kada je temperatura na izlazu  $\leq 50$  ° C, zaštita će se povući i normalan rad će se nastaviti)

## 5. Podešavanje tajmera

- (1) **Podešavanje tajmera ON:** Kada je odvlaživač uključen ili isključen, pritisnite taster "⌚" za ulazak u podešavanje tajmera; U međuvremenu, simbol  svetlo 1 treperi za ulazak u podešavanje tajmera ON. Pritisnite ▲ i ▼ za podešavanje tajmera ON na sat, onda pritisnite ⌚, možete podesiti minutnu postavku pritiskom na ▲ ili ▼, pritisnite ⌚ za tri puta, 1 će i dalje biti osvetljeno, Tajmer će se potpuno podesiti. (Ako ne pritisnete ▲ ili ▼ da biste podesili vreme, podešavanje tajmera neće uspeti, a zatim se automatski povući.)
- (2) **Podešavanje tajmera OFF:** Kada je odvlaživač uključen ili isključen, pritisnite ⌚ za ulazak u podešavanje tajmera; U međuvremenu, simbol  svetlo 1 će svetleti. Pritisnite ⌚ dva puta za ulazak u tajmer OFF podešavanja, 0 treperi, podešavanje sata možete podesiti pritiskom na ▲ i ▼, zatim ponovo pritisnite ⌚, tada možete podesiti minutnu postavku pritiskom na ▲ ili ▼, i pritisnite ⌚, 0 će i dalje biti osvetljeno, postavka Tajmera OFF je završena. (Ako ne pritisnete ▲ ili ▼ da biste podesili vreme, podešavanje vremena nije uspelo, a zatim se automatski povlači.)
- (3) **Podešavanje ON i OFF tajmera:** Kada je odvlaživač uključen ili isključen, pritisnite ⌚ za ulazak u podešavanje tajmera; U međuvremenu, simbol  svetleće 1 trepere za ulazak u podešavanje tajmera. Pritisnite ▲ i ▼ da biste podesili podešavanje sata Timer ON, zatim pritisnite ⌚, možete podesiti minutnu postavku pritiskom na ▲ ili ▼. Pritisnite ⌚ da biste uneli podešavanje isključenja tajmera, 0 treperi, podešavanje sata možete podesiti pritiskom na ▲ i ▼, zatim

ponovo pritisnite , tada možete podesiti minutnu postavku pritiskom na  ili , pritisnuti

 da biste potvrdili status, a zatim izađite,  i  biće stalno osvetljeno.

(4) Način otkazivanja funkcije tajmera: Pritisnite  za ulazak u podešavanje tajmera. Nakon podešavanja Tajmer ON ili Tajmer OFF, možete direktno pritisnuti taster  bez podešavanja vremena podešavanja kako bi se poništilo podešavanje funkcije vremena.

### 3. TEHNIČKA SPECIFIKACIJA

Model	IDHR60/ IDHE60	IDHR96/ IDHE96	IDHR120/ IDHE120
Savetovana površina bazena(m <sup>2</sup> ) *	≤25	≤40	≤50
Savetovana veličina sobe(m <sup>2</sup> ) *	50~120	80~200	100~240
Radna temperatura vazduha(°C)	10~38		
Kapacitet (l/h) (Air 30°C, RH 80%) *	2.5	4.0	5.0
DER (l/h.kW) (Air 30°C, RH 80%) *	4.00~3.40	4.53~4.05	4.50~3.68
Kapacitet (l/h) (Air 30°C, RH 70%) *	2.1	3.3	4.2
DER (l/h.kW) (Air 30°C, RH 70%) *	3.34~3.00	4.00~3.50	3.86~3.25
Toplina se povratila (kW)	2.4	3.3	4.4
Grejanje na struju opciono (kW)	1.3	2.1	2.1
Ocenjena moć (kW) (Air 30°C, RH 80%) *	0.11~0.73	0.17~0.99	0.22~1.36
Nominalna struja (A)(Air 30°C, RH 80%) *	0.48~3.17	0.74~4.30	0.96~5.91
Napajanje	230V/1Ph/50Hz		
Zvučni pritisak pri 1 m dB(A)	38.3~45.6	40.3~45.8	39.9~46.4
Protok vazduha (m <sup>3</sup> /h)	600	800	1000
Neto dimenzija(mm)	850×291×770	1120×291×770	1220×291×770
Neto težina	53	68	72

1. Temperatura ovih proizvoda može normalno da radi samo u opsegu od 10 °C ~ 38 °C. Ako premaši ovaj opseg, performanse neće biti zagarantovane; imajte na umu da će se parametri performansi odvlaživača vazduha razlikovati pod različitim radnim uslovima;

2. Zbog tehničkog poboljšanja proizvoda, relevantni parametri će se prilagođavati postupno bez prethodne najave. Više detalja potražite na njihovoj natpisnoj pločici.

## 1. Instalacija i održavanje

**⚠** Ovaj proizvod mora instalirati profesionalni tim. Korisnici nisu kvalifikovani za samostalnu ugradnju, inače bi odvlaživač mogao biti oštećen i rizičan po bezbednost korisnika.

### 1.1. Obaveštenje pre instalacije

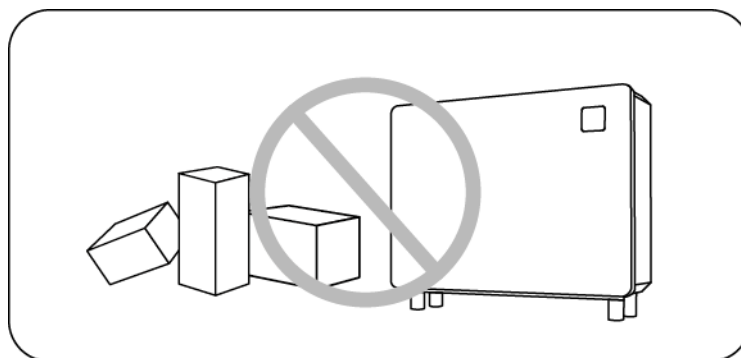
Proizvod se koristi samo za odvlaživanje bazenai mora da obezbedi dovoljnu cirkulaciju vazduha, inače će funkcija odvlaživanja biti neefikasna ili će imati mali efekat.

1.1.1 Kada skladištite ili premeštate opremu, treba da bude u uspravnom položaju

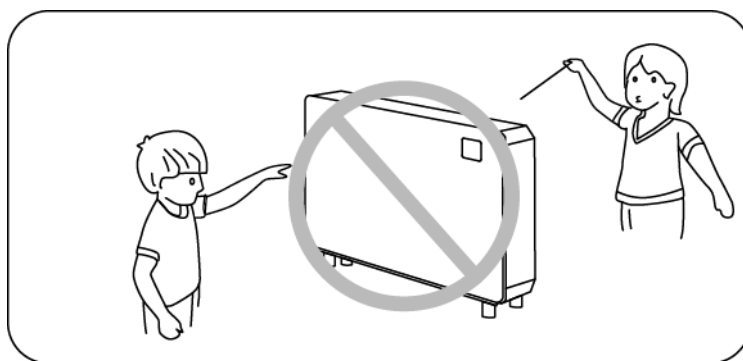
1.1.2. Oprema je opšti proizvod za vlaženje, NIKADA je nemojte koristiti za druge zapaljive i mutne gasove.

1.1.3. Podesite temperaturu i vlažnost vazduha na odgovarajući način da biste dobili ugodno okruženje.

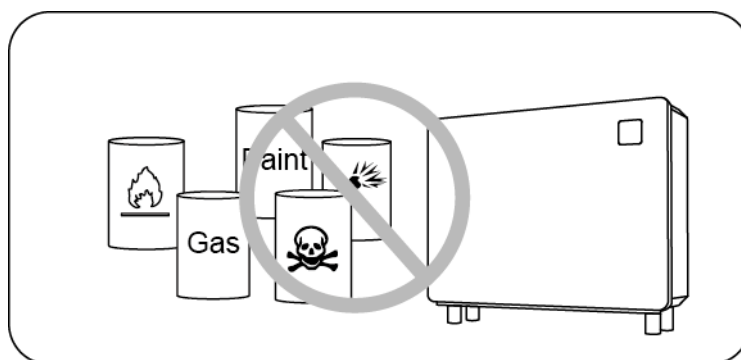
1.1.4. Ne postavljajte predmete koji blokiraju protok vazduha u blizini ulaza ili izlaza vazduha, jer će to smanjiti efekat opreme, pa čak i zaustaviti opremu.



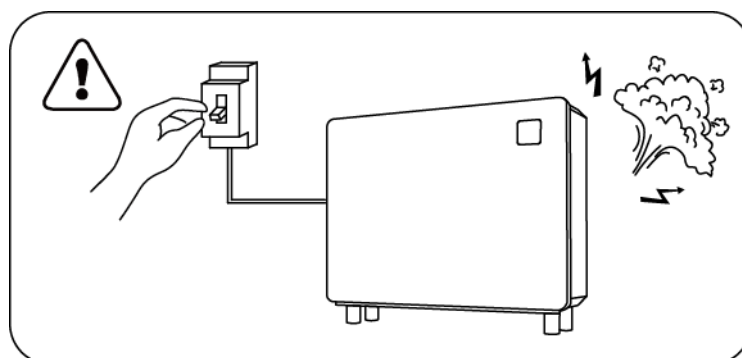
1.1.5. Ne stavljajte ruke ili druge predmete kao što su štapići na ulaz i izlaz vazduha odvlaživača .U suprotnom, vetrobranski točak pri velikoj brzini može da vam nanese povredu.



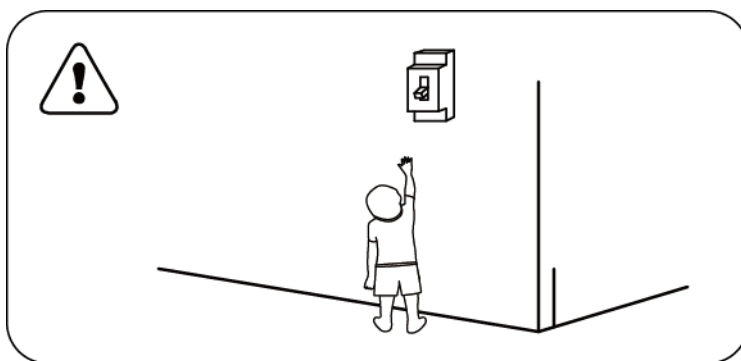
1.1.6. Strogo je zabranjeno koristiti ili skladištiti zapaljive gasove ili tečnosti poput laka za kosu, boje, benzina itd. U blizini odvlaživača, u suprotnom može doći do požara.



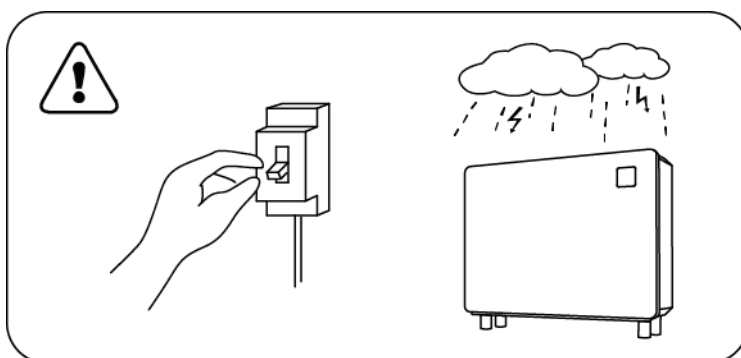
1.1.7. Ako se utvrde bilo kakvi abnormalni uslovi poput neobične buke, mirisa, dima, curenja itd., Struju treba odmah prekinuti i kontaktirati lokalnog prodavca i nemojte sami popravljati opremu.



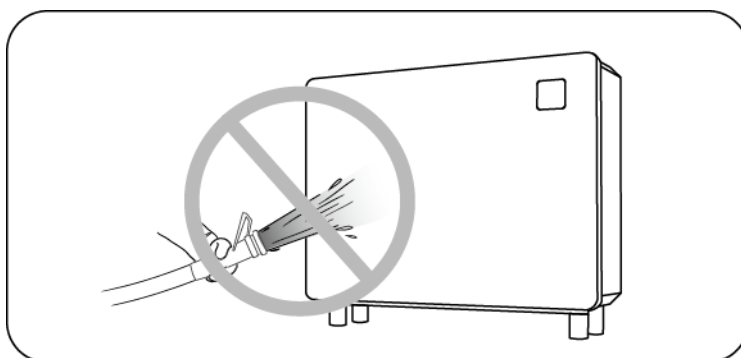
1.1.8. Glavni prekidač za napajanje treba da se nalazi u položaju do kojeg dete ne može da dopre, kako bi sprečio decu da se igraju glavnim prekidačem za napajanje u opasnosti.



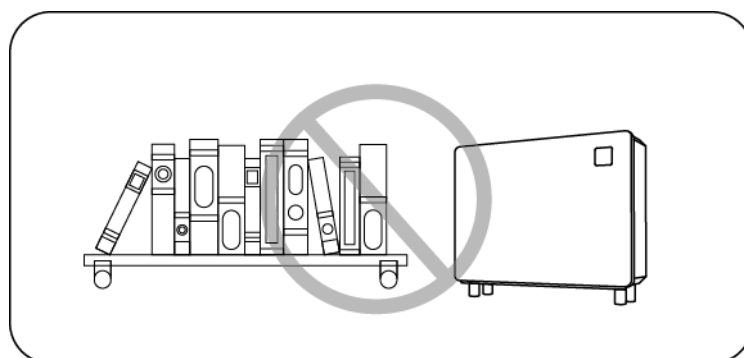
1.1.9. U grmljavinskoj oluji odspojite glavni prekidač za napajanje, inače munja može oštetiti jedinicu.



1.1.10. Ne perite opremu direktno vodom.



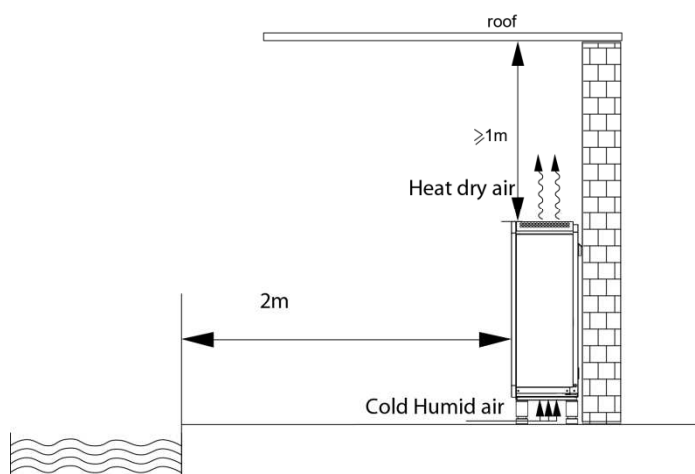
1.1.11. Ne koristite u posebne svrhe kao što je očuvanje likovne umetnosti ili akademskog materijala (u suprotnom, kvalitet očuvanja može biti umanjen).



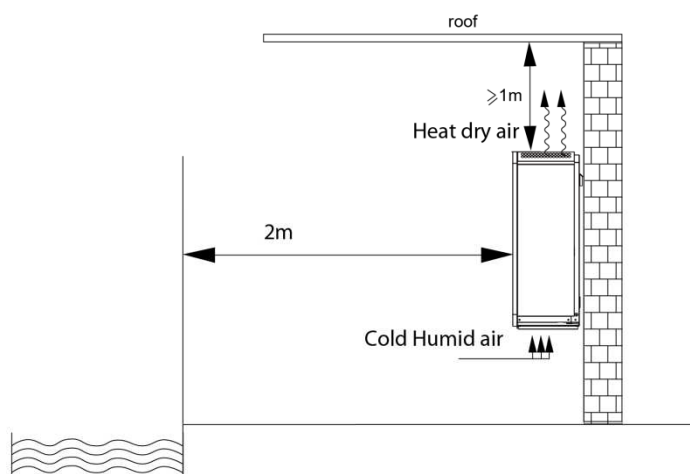
## 1.2 Uputstvo

**⚠ Ovaj proizvod treba instalirati na dobro provetrenom mestu**

Ambient - Floor Standing



Ambient\_Wall Mounted



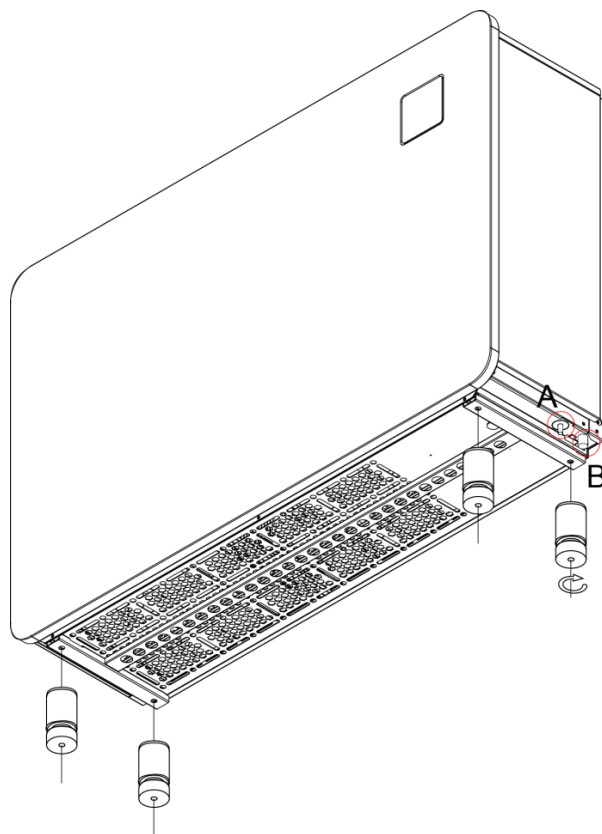
### 1.2.1. Instaliranje

1. Odvlaživač se može postaviti na zemlju ili postaviti na zid;
2. Prilikom postavljanja na zid, obavezno koristite zatezne vijke M6 da biste učvrstili nosač, betonski temelj izabranog zida treba da bude čvrst i čvrst, a nosač dovoljno jak i otporan na rđu;
3. Molimo osigurajte da odvlaživač vazduha i bazen budu na udaljenosti od 200 cm ili više. Ne postavljajte predmete koji blokiraju protok vazduha blizu ulaza ili izlaza vazduha. Ne postavljajte prepreke unutar 100 cm ispred izlaza za vazduh. U suprotnom, efikasnost odvlaživanja će se smanjiti ili će sistem čak prestati da radi.
4. Kada odvlaživač radi, sa donje ploče će se ispuštati kondenzovana voda, obratite pažnju; čvrsto postavite drenažni komplet u odvodni otvor na donjoj ploči, a zatim spojite odvodnu cev da biste glatko odvodili kondenzovanu vodu.

**Koraci za postavljanje stopala i njegovo postavljanje na zemlju:**

1. Poravnajte nogu sa rupom za pričvršćivanje na kućištu odvlaživača i zavrtite je u smeru kretanja kazaljke na satu (nemojte okretati opremu da biste instalirali!).

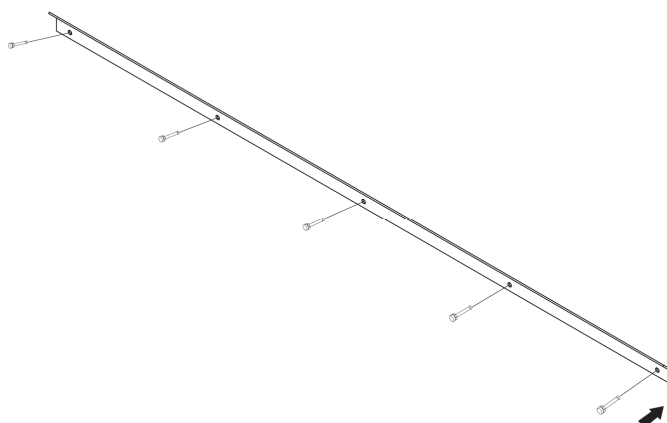
A: Kabl za napajanje; B: Izlaz za odvod (povezan sa odvodnim cevima)



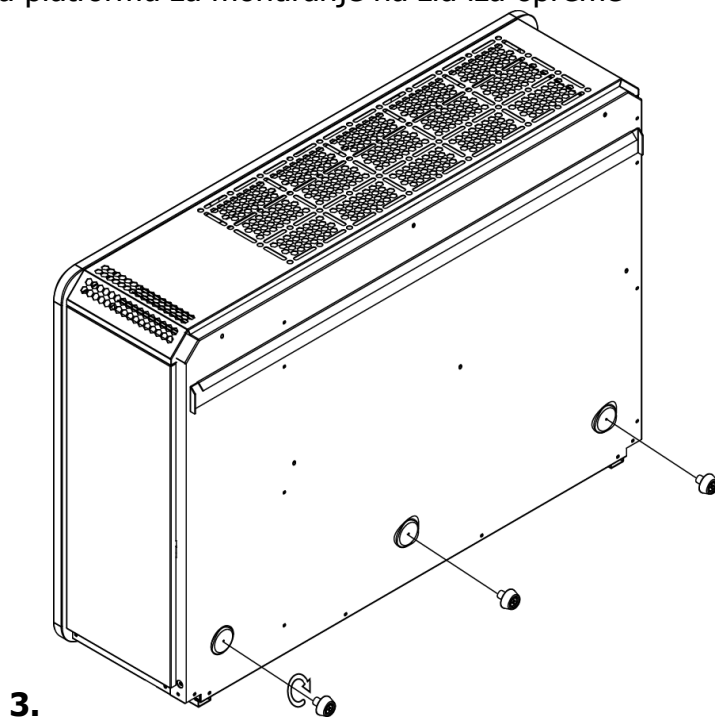
**2. Priključite odvodnu cev i povežite kabl za napajanje prema shemi kablova.**

**Koraci ugradnje na zid:**

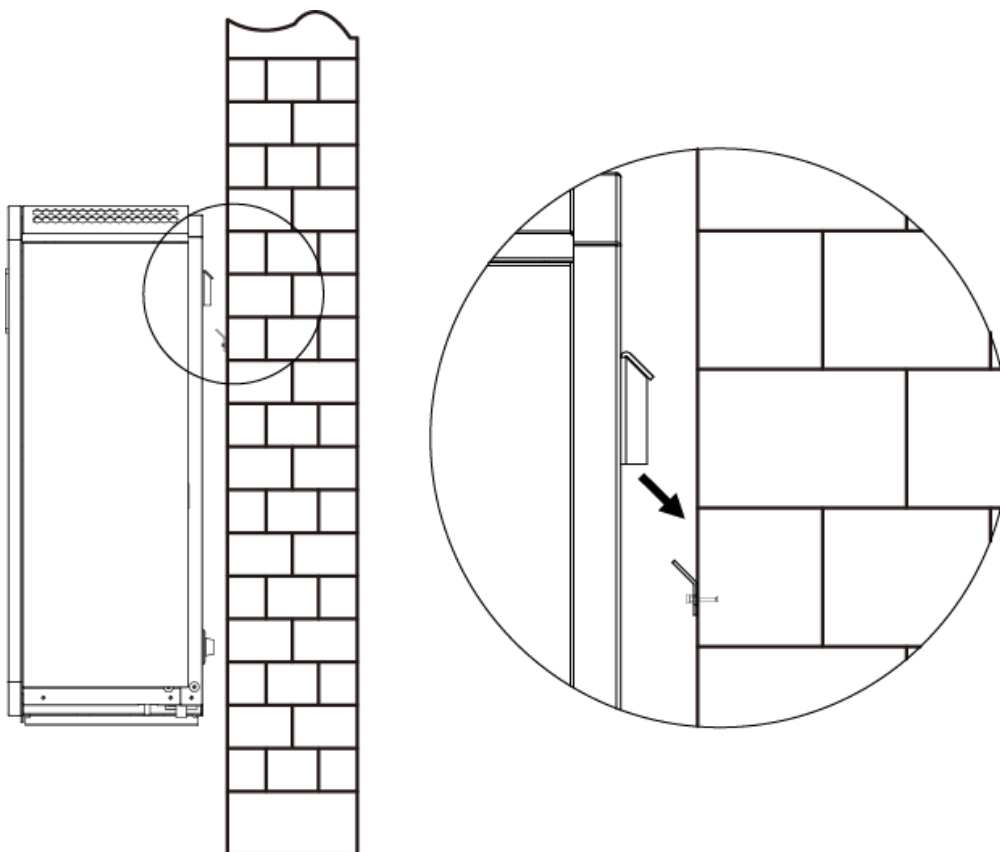
1. Na odgovarajući zid pričvrstite nosač na zid pričvršćivanjem pet vijaka za izvlačenje ph6 mm na rupe na zidnom nosaču.



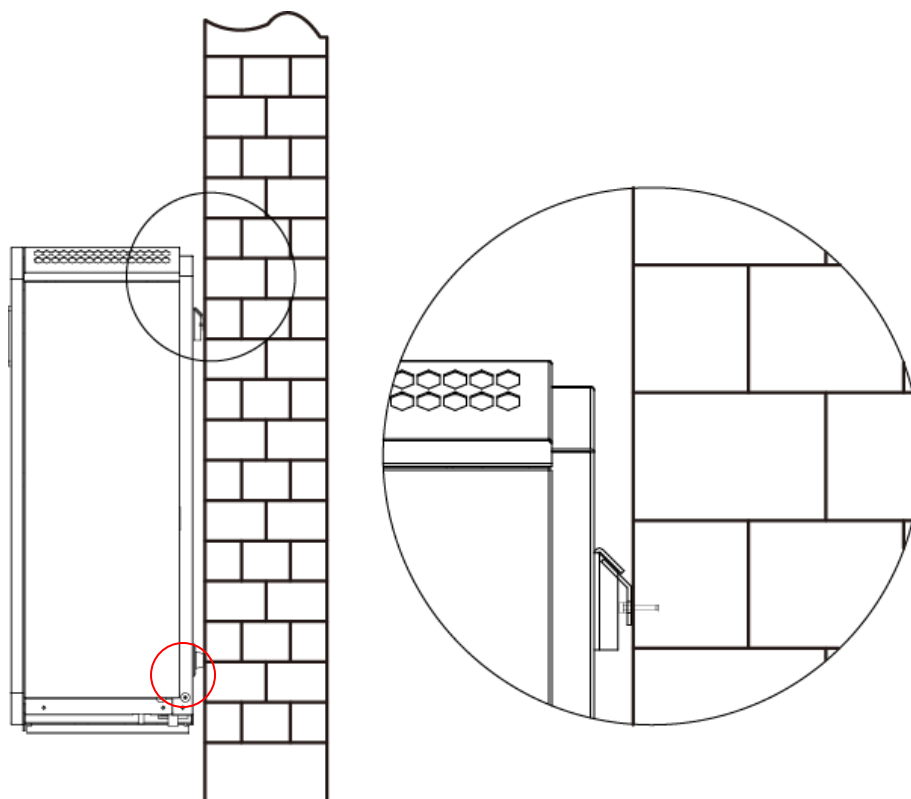
2. Postavite podlogu na platformu za montiranje na zid iza opreme



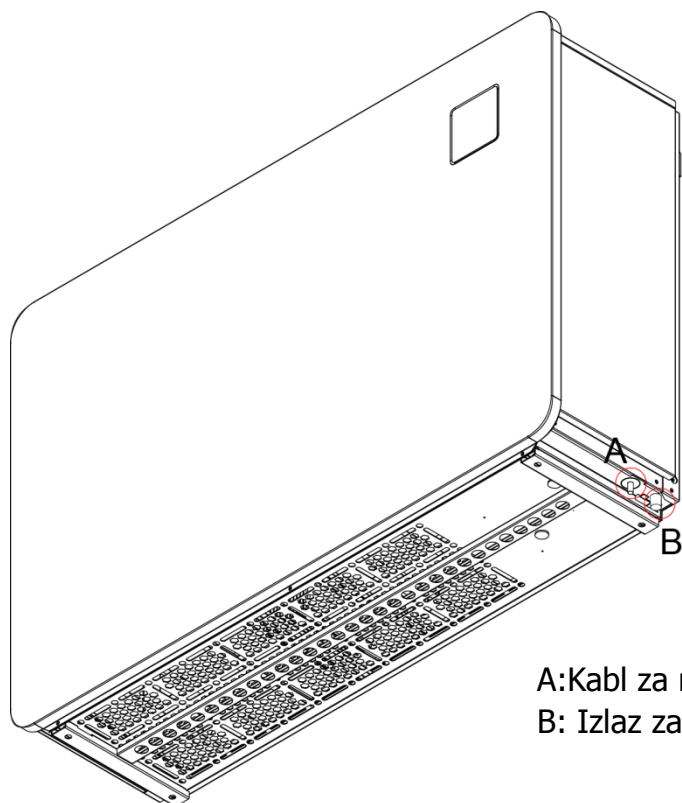
3. Obesite traku za vjšanje na zadnju stranu opreme na nosač.



**Nakon što okačite nosač, pažljivo stavite opremu dok se dno ne nasloni na zid.**



**4. Priključite odvodnu cev ipriključite kabl za napajanje u skladu sa šemom ožičenja**

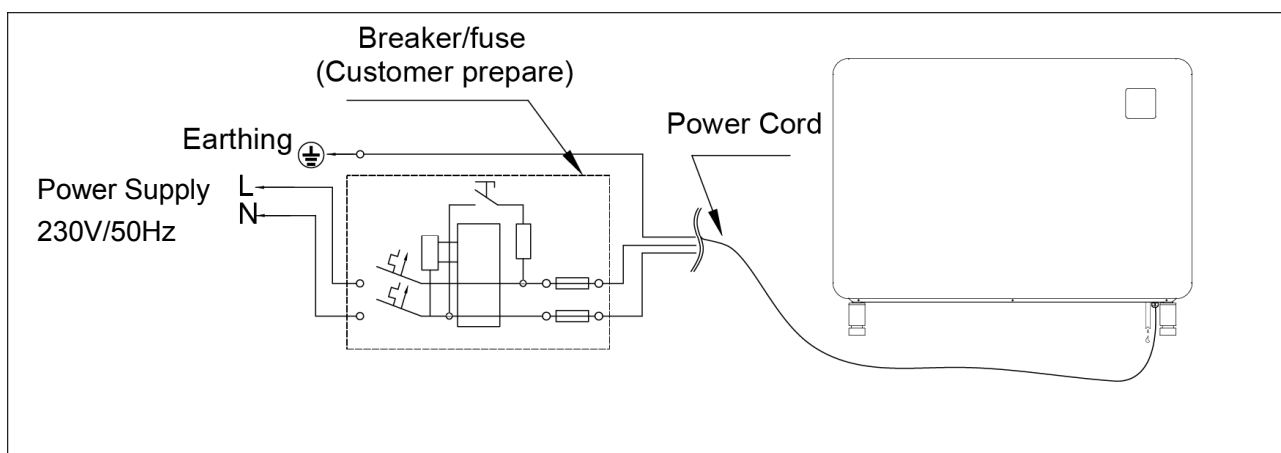


A:Kabl za napajanje;  
B: Izlaz za odvod (spojite odvodne cevi)

### 1.2.2. Ožičenje za električnu instalaciju

- 1) Povežite se na odgovarajuće napajanje, napon treba da bude u skladu sa nazivnim naponom proizvoda.
- 2) Odvlaživač mora biti dobro uzemljen.
- 3) Ožičenje mora povezati profesionalni tehničar u skladu sašedom kola.
- 4) U skladu sa zahtevima relevantnih tehničkih standarda za električnu opremu lokalne države korisnika, postavite uređaje za zaštitu od curenja (radna struja curenja  $\leq 30\text{mA}$ )
- 5) Raspored kabla za napajanje i signalnog kabla treba da bude uredan i da ne utiče jedni na druge; uzimajući u obzir uslove okoline (temperatura okoline, direktna sunčeva svetlost, kiša, napon električne mreže, dužina kabla itd.)
- 6) Površina poprečnog preseka kabla može se na odgovarajući način povećati.
- 7) Završeno sve ožičenje, mora se pažljivo proveriti, a zatim priključiti napajanje.

#### Šema električnog ožičenja



Model		IDHR60/ IDHE60	IDHR96/ IDHE96	IDHR120/ IDHE120
Prekidač	Nominalna struja A	16	22.5	24
	Nazivna rezidualna akciona struja mA	30	30	30
OsiguračA		16	22.5	24
Kabl za napajanje (mm <sup>2</sup> )		3x4	3x4	3x4

Napomena: Gore navedeni datum prilagođen je kablju za napajanje  $\leq 10\text{m}$ . Ako je kabl za napajanje  $\geq 10\text{m}$ , prečnik žice mora biti povećan.

## 1.3 Staza nakon instalacije

 Molimo pažljivo proverite sva ožičenja pre uključivanja odvlaživača.

### 1.3.1. Pregled pre upotrebe

1. Proverite da li je odvlaživač vazduha vertikalno ili horizontalno postavljen na zemlju ili okačen o zid povezan sa odvodnom cevi;
2. Proverite električno ožičenje prema šemi električnog ožičenja i spoju uzemljenja;
3. Uverite se da je glavno napajanje dobro povezano;
4. Obavezno podesite odgovarajuću vlažnost vazduha;
5. Proverite da li postoji prepreka ispred ulaza i izlaza za vazduh odvlaživača.

### 1.3.2. Satza

Korisnik prvo treba da otvori prekidač za napajanje, a zatim da poveže napajanje.

Da bi zaštitio odvlaživač, opremljen je funkcijom odlaganja starta; Prilikom pokretanja odvlaživača, ventilator će prvo početi da radi za 3 minuta, a zatim će kompresor početi da radi.

Nakon pokretanja odvlaživača, proverite da li postoji bilo kakav neobičan šum od odvlaživača

## 1.4. Obaveštenje o dnevnom održavanju

 Održavanje godišnje treba da obavlja kvalifikovani profesionalni tehničar.

Pre inspekcije isključite napajanje odvlaživača;

Isključite napajanje kada se ne koristi i pokrijte plastičnu foliju pomoću tkanine kako biste sprečili ulazak prašine.

Molimo očistite odvlaživač deterdžentima za domaćinstvo ili čistom vodom, NIKADA ne koristite isparljivo ulje, benzin, razređivač ili sasafras prah.

## 2. REŠAVANJE PROBLEMA ZA ČESTE GREŠKE

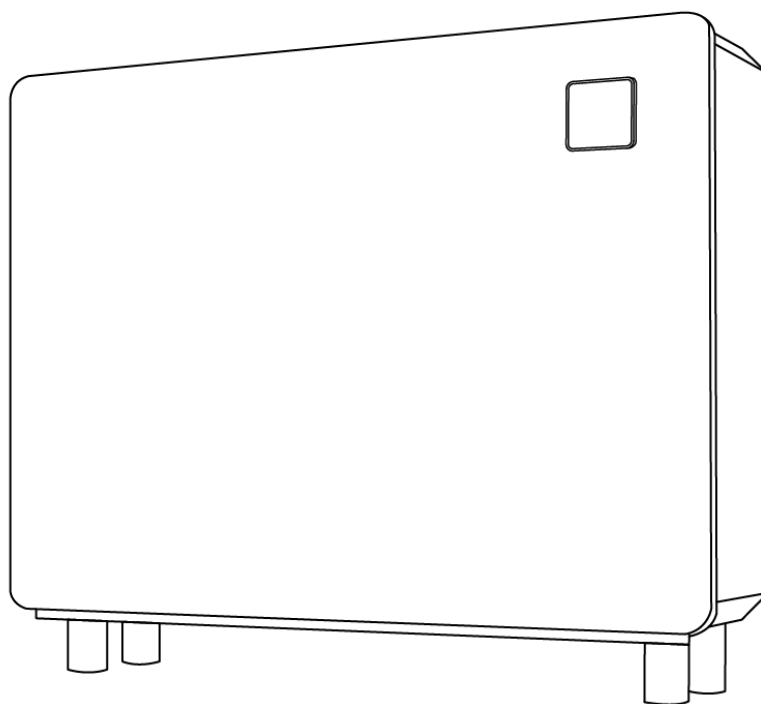
Problem	Razlog	Rešenje
<b>Odvlaživač ne rad</b>	Nema struje	Sačekajte dok se napajanje ne oporavi
	Prekidač za napajanje je isključen	Uključite napajanje
	Osigurač izgoreo	Proverite i promenite osigurač
	Prekidač je isključen	Proverite i uključite prekidač
Ventilator radi, ali nema dovoljno grejanja	Isparivač blokiran	Uklonite prepreke
	Izlaz za vazduh je blokiran	Uklonite prepreke
	3 minuta odlaganja starta	Strpljivo
Prikazati normalno, ali bez odvlaživanja	Postavljena vlažnost je preniska	Podesite odgovarajuću vlažnost
	3 minuta odlaganja starta	Strpljivo
<p>Ako navedena rešenja ne funkcionišu, kontaktirajte profesionalnog instalatera sa brojem modela i detaljnim informacijama. Ne pokušavajte da ga popravite sami.</p>		

**PAŽNJA! Molimo vas da ne pokušavate sami da popravite odvlaživač kako biste izbegli rizik.**

### 3. KOD KVARA

NO	Neuspjeh	Kod
1	Zaštita od visokog pritiska	E1
2	Zaštita od niskog pritiska	E2
3	Nenormalna zaštita napona napajanja	E5
4	Zaštita od pregrevanja električnim grejanjem (termostat sa ručnim resetovanjem)	E7
5	Ispušna zaštita visoke temperature	E8
6	Prozračite zaštitu pri visokoj temperaturi	EA
7	Zaštita životne sredine niske temperature	Eb
8	Kvar kontrolera	P0
9	Kvar senzora temperature ulaznog vazduha	P1
10	Kvar senzora temperature izlaznog vazduha	P2
11	Kvar senzora temperature izduvnih gasova	P3
12	Kvar senzora temperature povrata gasa	P5
13	Kvar senzora temperature zavojnice isparavanja	P6
14	Kvar senzora vlažnosti ambijenta	P7
15	Kvar senzora rashladne ploče	P8
16	Kvar trenutnog senzora	P9
17	Ponovo pokrenite grešku memorije	PA
18	Modul pogona kompresora ili povezani kvarovi ožičenja	F1
19	Kvar PFC modula	F2
20	Neuspjeh starta kompresora	F3
21	Kvar u radu kompresora	F4
22	Ploča pretvarača preko strujne zaštite	F5
23	Zaštita od pregrevanja ploče pretvarača	F6
24	Prekostrujna zaštita	F7
25	Zaštita radijatora od visoke temperature	F8
26	Kvar ventilatora jednosmerne struje	F9
27	PFC modul preko strujne zaštite	FA

## R32 Full-inverter Dehumidifier INSTALLATION & USER MANUAL



# SUMMARY

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PLEASE READ CAREFULLY AND SAVE FOR USE.  
THIS MANUAL GIVES YOU THE NECESSARY INFORMATION FOR OPERATION AND  
MAINTENANCE.

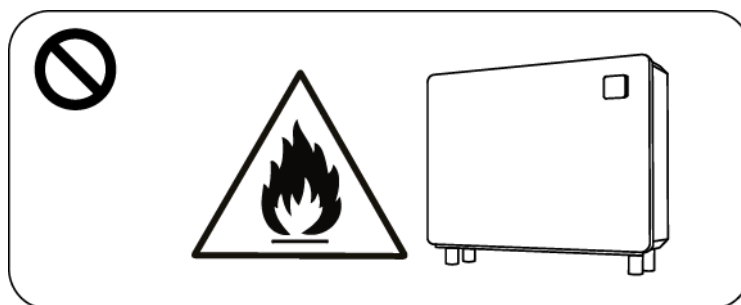


- Please read the following tips before installation, use and maintenance.
- Installation, removal and maintenance must be carried out by Professionals in accordance with the instructions.
- Gas leakage test must be done before and after installation.

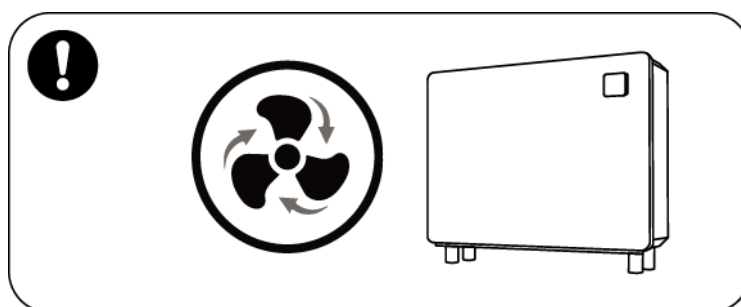
### 1. Use

- 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 dehumidifier.

### 2. Installation

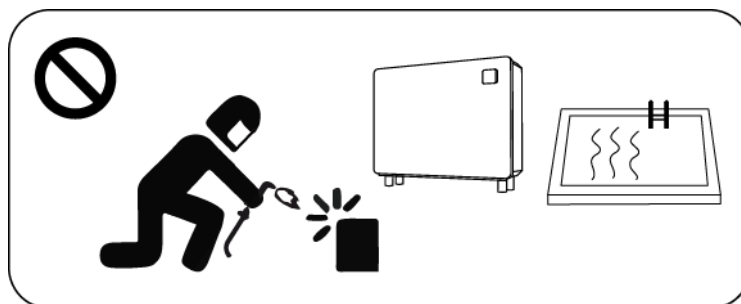


- This product must be kept away from any source of fire.
- The installation place must be kept well ventilated.

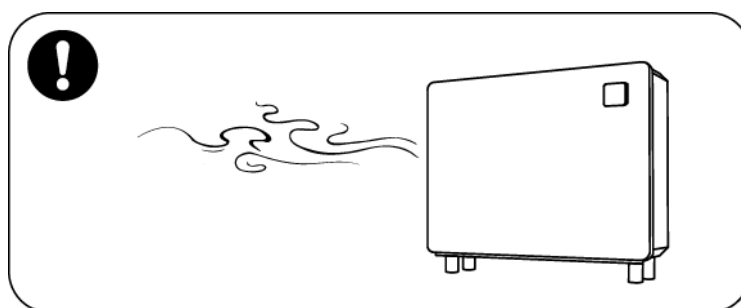


- Vacuum completely before welding, field welding is not allowed, welding can only be

performed by professional personnel in professional maintenance center.



d. Installation must be stopped if any R32 gas leakage, and the unit must be returned to professional maintenance center.



### **3. Transportation & Storage**

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

### **4. Maintenance Notice**

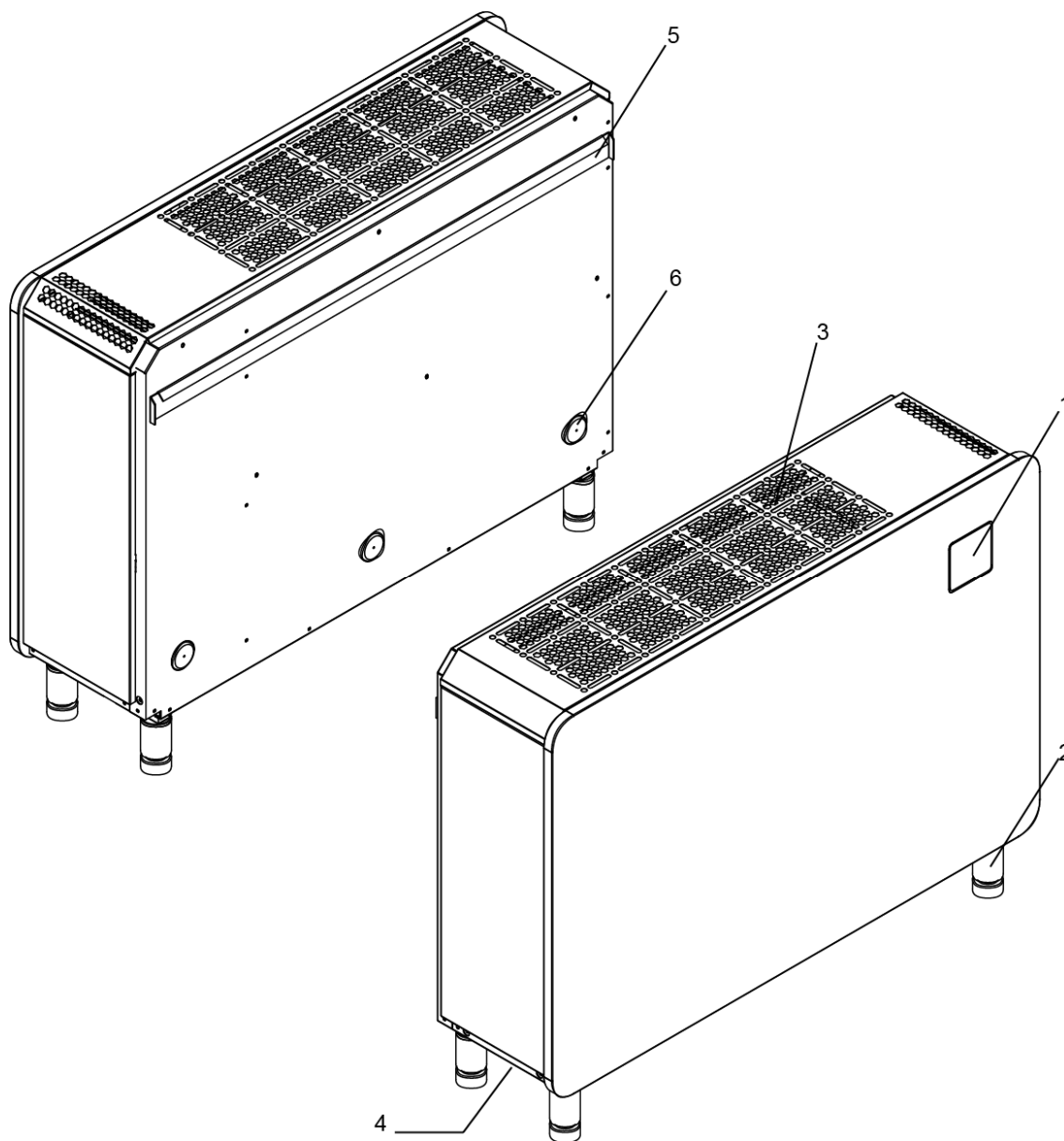
- a. If maintenance or scrap is required, contact an authorized service center nearby
- b. Qualification requirement

All operators who dispose refrigerant gas must be qualified by valid certification which issued by professional agency.

- c. Please strictly comply with the requirement from manufacturer when maintenance or filling R32 refrigerant gas. Please refer to the technical service manual.

## 1. GENERAL INFORMATION

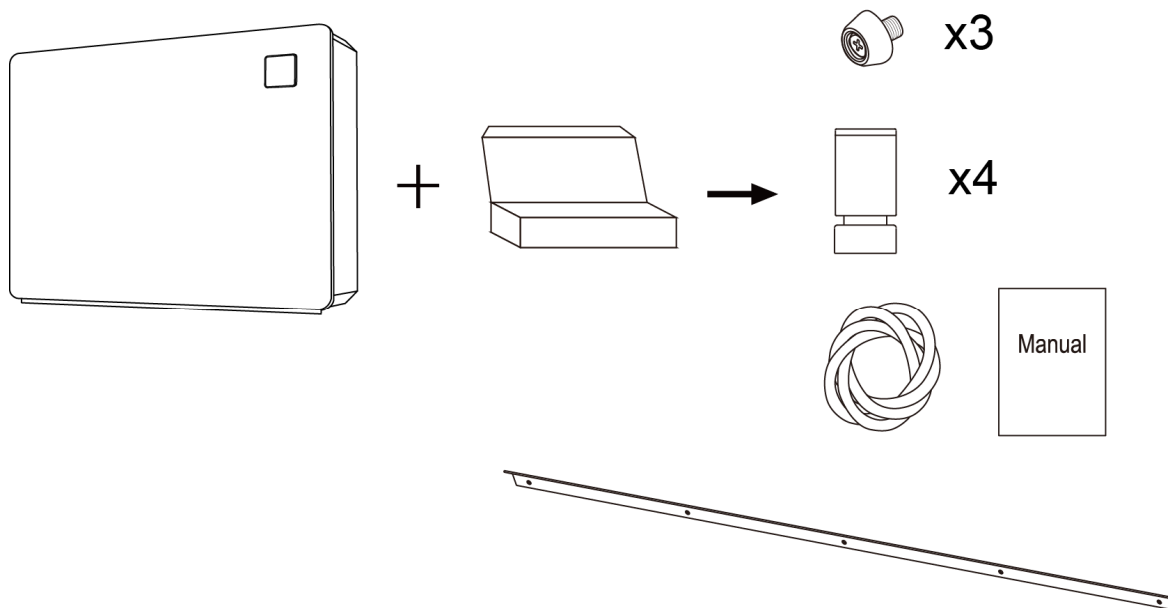
### 1. 1. Name of Parts



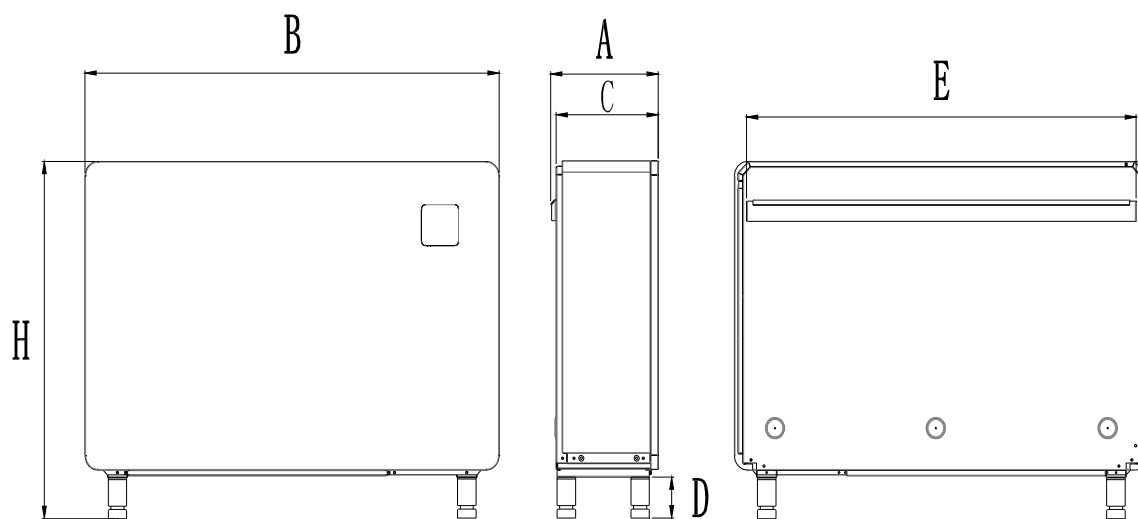
No.	Name
1	Controller
2	Feet
3	Air Outlet
4	Air Inlet(on the bottom)
5	Hanging Strip on Wall
6	Pad

## 1.2. Spare Part Lists

Padx3, Feetx4, Drain-pipe x1(2m), Hanging Stripx1, Manual



## 1.3. Dimension



Size(mm) Name Model	A	B	C	D	E	H
IDHR60/IDHE60	291	850	276	100	784	870
IDHR96/IDHE96	291	1120	276	100	1054	870
IDHR120/IDHE120	291	1220	276	100	1154	870

## 2. OPERATION

### 2.1. Instruction for Controller



SYMBOL	DESIGNATION	FUNCTION
	ON/OFF	Press to power on or off the dehumidifier
	Mode	5. For dehumidifier with dehumidifying function only, press " " to select Smart  /Silence  mode. 6. For dehumidifier both with dehumidifying and heating functions (dehumidifier with optional electric heater), press the " " button for 3 seconds to select the mode: "Heating" "Dehumidification" "Heating + Dehumidification"
	Timer	Press to set the time to switch on and off
	Up and Down	Adjust the value of the required parameters

1. When the dehumidifier it's on, press any button to light the keyboard and operate it.









When it's off, press to light the keyboard and operate it.




2. Mode Button

(1) Dehumidifying Function only: Press one time, it can transfer or mode. Default is smart



 mode



(2) Both Dehumidifying and Heating Function:

Press  for 3 seconds, the  or  or  will flash, before it stops flashing, press  to choose  or  or  circularly, which means "Heating"/"Dehumidifying"/"Heating + Dehumidifying"

A. Dehumidifying Function: Press  one time, it can transfer the mode between  and .

Default is  mode

B. Dehumidifying and Heating Function: Press  one time, it can transfer the mode between 



and . Default is smart  mode



3. Humidity/Temperature Setting







(1) Dehumidifying Function only:


Press  or  to set the humidity. The humidity setting range is 30-95%. The default is 70%

(2) Both Dehumidifying and Heating Function:

A. Under the dehumidifying mode, press  or  to set the humidity. The humidity setting range is 30-95%. The default is 70%



































B. Under the heating mode, press  or  to set the temperature. The temperature setting range is 18~40°C. The default is 26 °C



C. Under the heating + dehumidifying mode, press the  for the first time, the humidity number flashes, press  or  to set the desired humidity. Automatically confirm and exit after 5 seconds without button operation. Press , the temperature number flashes, press  or  to set the desired temperature before the flashing stops and automatically confirm and exit after 5 seconds without the button operation.

4. The  symbol will be displayed on the screen when the electric heater is turned on. Under the heating + dehumidifying mode, when the compressor operating frequency is below 50%, the electric heating will run at 100% output power; when the compressor operating frequency is above 50%, the electric heating will run at about 70% output power. (Remark: heating function is available only with electric heater)

(Note: When the outlet temperature is  $\geq 65^{\circ}\text{C}$ , it will enter the air outlet overheat protection system and stop (compressor and electric heating will stop). When the outlet temperature is  $\leq 50^{\circ}\text{C}$ , the protection will withdraw and normal operation will resume)

## 5. Timer Setting

- (1) Timer ON setting: When the dehumidifier is on or off, press the "⏸" to enter the timer setting; Meanwhile, the symbol  light and the 1 are flashing to enter the Timer ON setting. Press the  and  to adjust Timer ON hour setting, then press , you can adjust the minute setting by pressing  or , then press the  for three times, the 1 will keep lighted, Timer on setting completely. (If you don't press  or  to adjust the time, timer setting will fail then withdraw automatically.)
- (2) Timer OFF setting: When the dehumidifier is on or off, press the  to enter the timer setting; Meanwhile, the symbol  light and the 1 are flashing. Press  two times to enter the Timer OFF setting, the 0 is flashing, you can adjust the hour setting by pressing the  and , then press again the , then you can adjust the minute setting by pressing  or , and press the , the 0 will keep lighted, the Timer OFF setting completed. (If you don't press  or  to adjust the time, time setting failed then withdrawal automatically.)
- (3) Timer ON & OFF setting: When the dehumidifier is on or off, press the  to enter the timer setting; Meanwhile, the symbol  light and the 1 are flashing to enter the Timer ON setting. Press the  and  to adjust Timer ON hour setting, then press , you can adjust the minute setting by pressing  or . Press the  to enter timer off setting, the 0 is flashing, you can adjust the hour setting by pressing the  and , then press again the , then you can adjust the minute setting by pressing  or , press  to confirm the status then exit, the 0 and 1 will keep lighted all the time.

- (4) Method of cancelling timer function: Press the  to enter the timer setting. After Timer ON or Timer OFF setting, you can press directly the  without adjusting the setting time in order to cancel timing function setting.

### 3. TECHNICAL SPECIFICATION

Model	IDHR60/ IDHE60	IDHR96/ IDHE96	IDHR120/ IDHE120
Advised pool surface (m <sup>2</sup> ) *	≤25	≤40	≤50
Advised room size (m <sup>2</sup> ) *	50~120	80~200	100~240
Operating air temperature (°C)	10~38		
Capacity (l/h) (Air 30°C, RH 80%) *	2.5	4.0	5.0
DER (l/h.kW) (Air 30°C, RH 80%) *	4.00~3.40	4.53~4.05	4.50~3.68
Capacity (l/h) (Air 30°C, RH 70%) *	2.1	3.3	4.2
DER (l/h.kW) (Air 30°C, RH 70%) *	3.34~3.00	4.00~3.50	3.86~3.25
Heat recovered (kW)	2.4	3.3	4.4
Electric heating optional (kW)	1.3	2.1	2.1
Rated power (kW) (Air 30°C, RH 80%) *	0.11~0.73	0.17~0.99	0.22~1.36
Rated current (A) (Air 30°C, RH 80%) *	0.48~3.17	0.74~4.30	0.96~5.91
Power supply	230V/1Ph/50Hz		
Sound pressure at 1 m dB(A)	38.3~45.6	40.3~45.8	39.9~46.4
Air flow (m <sup>3</sup> /h)	600	800	1000
Net dimension (mm)	850×291×770	1120×291×770	1220×291×770
Net weight	53	68	72

- The temperature of this products can only work normally within the range of 10 °C ~ 38 °C. If it exceeds this range, the performance will not be guaranteed; please note that the performance parameters of the dehumidifier will be different under different working conditions;*
- Due to the technical improvement of the product, the relevant parameters will be adjusted by steps without prior notice. Please refer to their nameplate for more details.*

## 1. Installation and Maintenance

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

### 1.1. Notice before installation

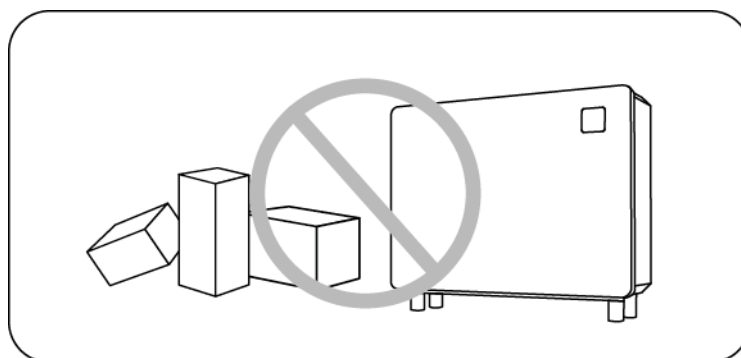
The product is only used for dehumidification of the swimming pool and must ensure sufficient air circulation, otherwise the dehumidification function will be ineffective or have little effect.

1.1.1 When storing or moving the equipment, it should be at the upright position

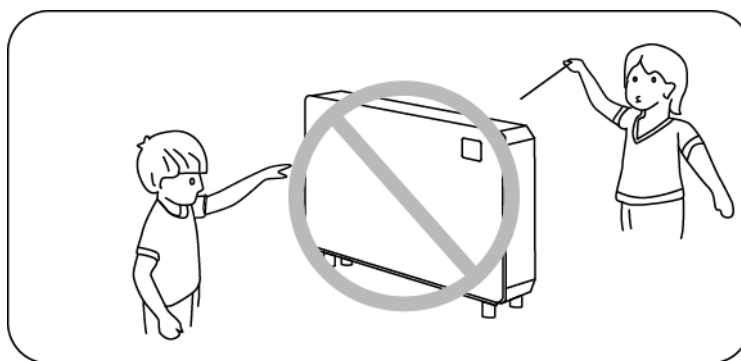
1.1.2. The equipment is a general dehumidification product, NEVER use it for other flammable and turbid gases.

1.1.3. Set the temperature and humidity appropriately to get a comfortable environment.

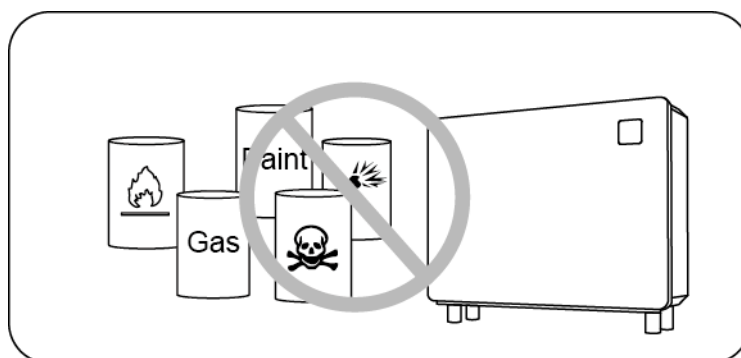
1.1.4. Do not place objects that block the airflow nearby the air inlet or the air outlet, because it will reduce the effect of the equipment and even stop the equipment.



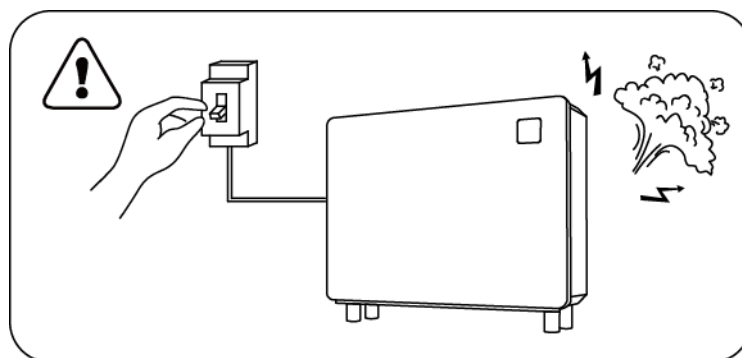
1.1.5. Do not put the hands or other objects such as sticks into the air inlet and outlet of the dehumidifier, and do not remove its appearance. Otherwise, the high speed running wind wheel may cause injury to you.



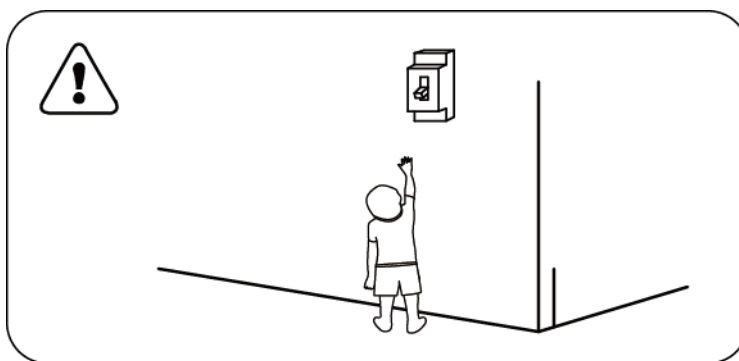
1.1.6. It is strictly forbidden to use or store flammable gases or liquids such as hair spray, paint, gasoline, etc. near the dehumidifier, otherwise a fire may occur.



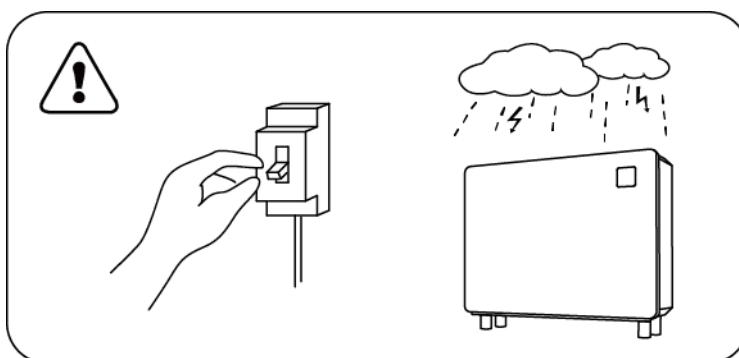
1.1.7. If any abnormal conditions such as abnormal noise, odor, smoke, leakage, etc., are found, the power should be cut off immediately and contact the local dealer, and do not repair the equipment yourself.



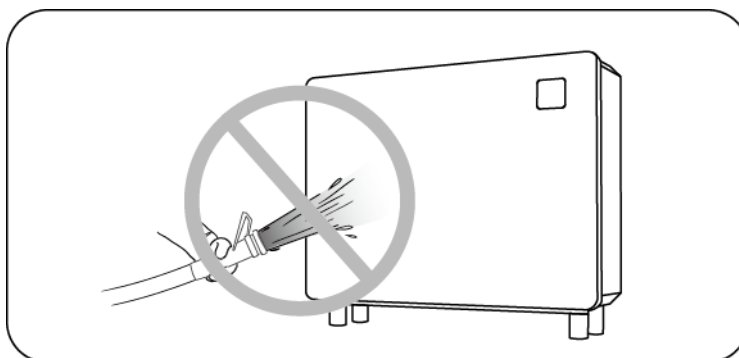
1.1.8. The main power switch should be located in a position that the child cannot reach, to prevent children from playing with the main power switch in danger.



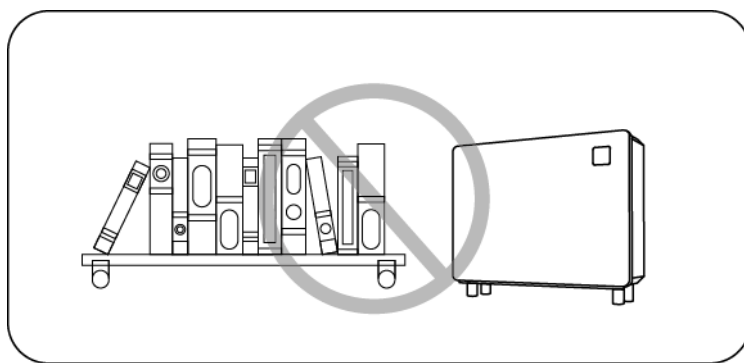
1.1.9. In thunderstorms, disconnect the main power switch, otherwise the lightning might damage the unit



1.1.10. Do not wash the equipment directly with water.



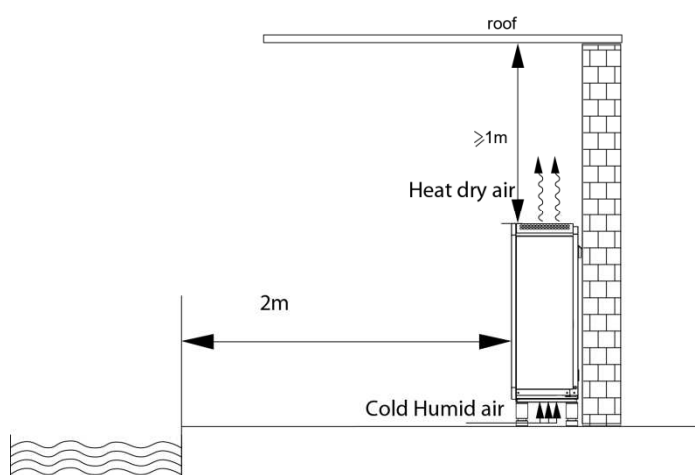
1.1.11. Do not use for special purposes such as the preservation of fine arts or academic materials (Otherwise, the quality of the preservation may be reduced).



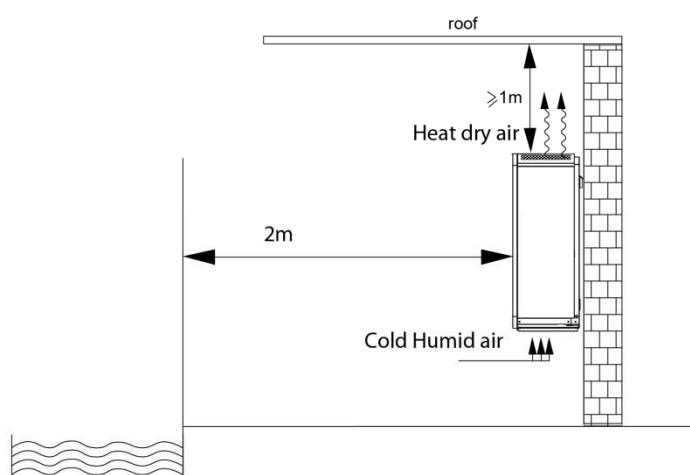
## 1.2 Instruction

**⚠ This product should be installed in a well-ventilated place**

Ambient - Floor Standing



Ambient\_Wall Mounted



### 1.2.1. Installation

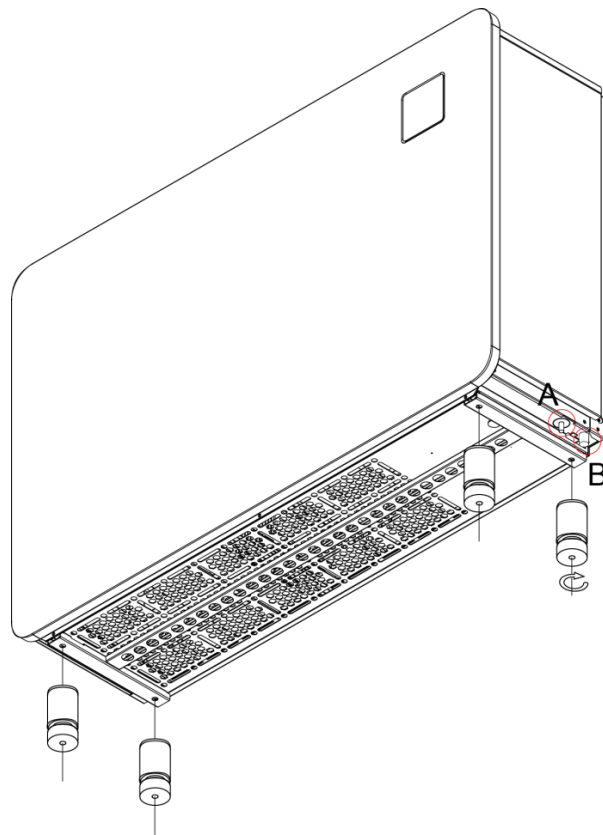
1. The dehumidifier may be placed on the ground or installed on the wall;
2. When installing on the wall, be sure to use M6 pull-out screws to fix the bracket, the concrete foundation of the selected wall should be firm and strong, and the bracket should be strong enough and rust-proof;
3. Please ensure that the dehumidifier and the swimming pool are kept at a distance of 200cm or more. Do not place objects which block the airflow near the air inlet or air outlet. Do not set any obstacles within 100cm in front of the air outlet. Otherwise, the efficiency of dehumidification will be reduced, or even the system will stop running.

4. When the dehumidifier is running, there will be condensed water discharged from the bottom board, please pay attention; put the drainage kit firmly into the drain hole of the bottom board, and then connect the drain pipe to drain away the condensed water smoothly.

**Steps to install the foot and place it on the ground:**

1. Align the foot to the mounting hole of the dehumidifier chassis and screw it in the clockwise direction (do not flip the equipment to install!).

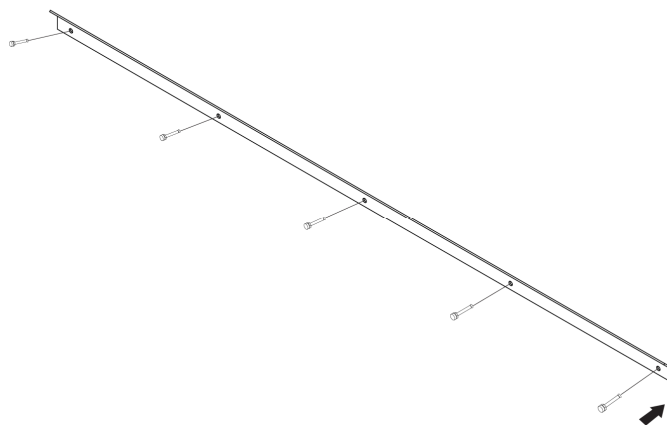
A: Power Cord; B: Drain Outlet(Connected with drain pipes)



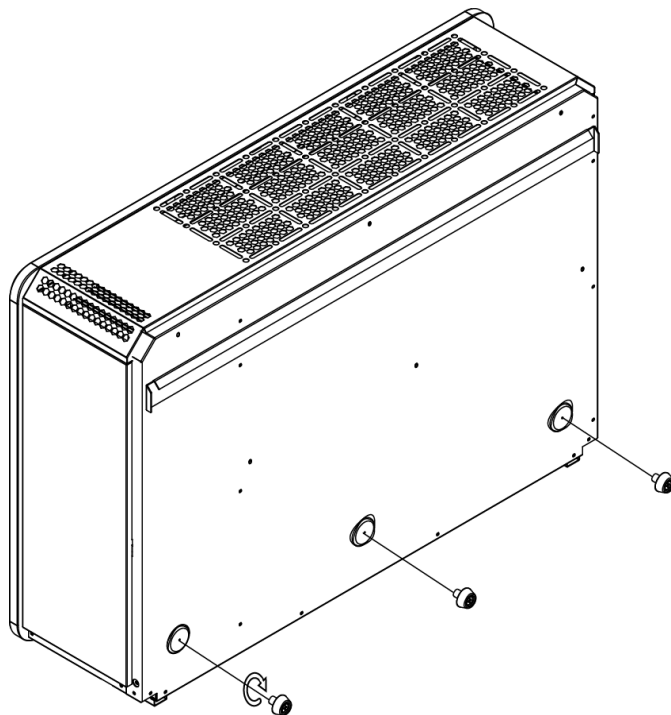
**2. Connect the drain pipe and connect the power cord according to the cable diagram.**

**Steps of installation on the wall:**

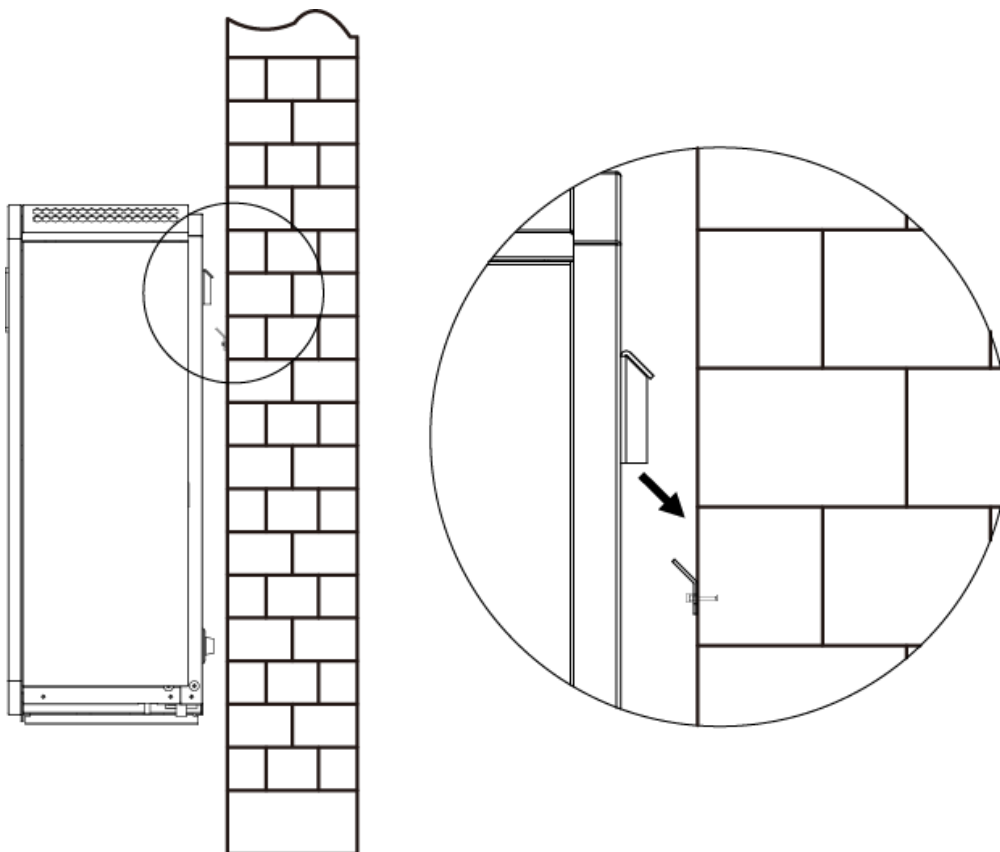
1. On the appropriate wall, mount the bracket to the wall by attaching five  $\phi 6$ mm pull-out screws to the holes in the wall bracket.



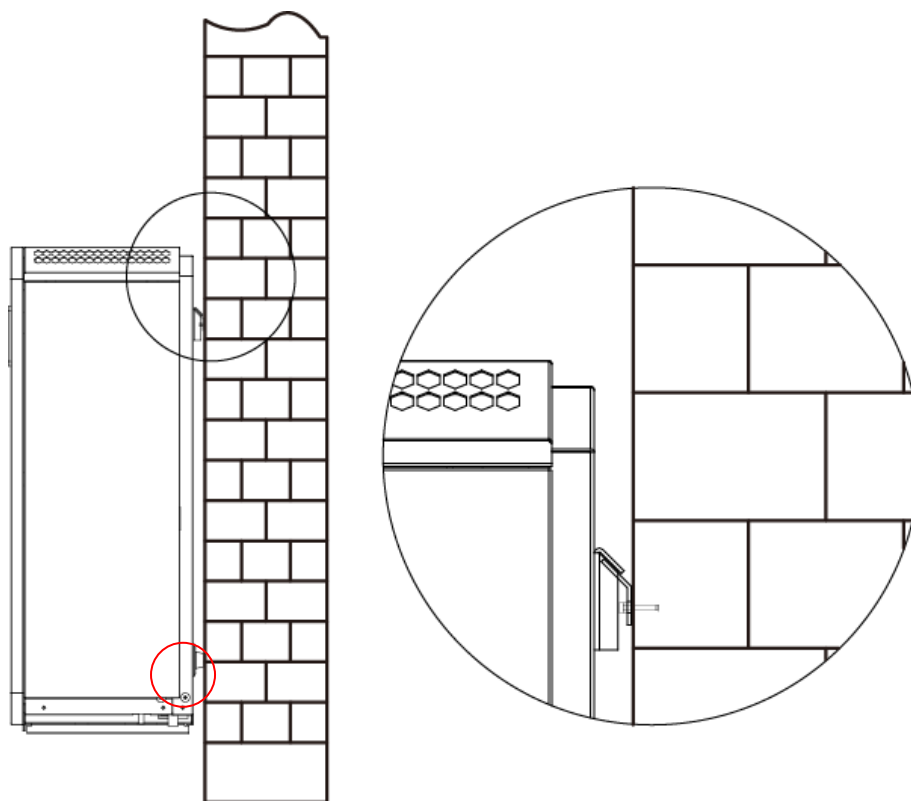
2. Place the pad on the wall-mounting platform behind the equipment



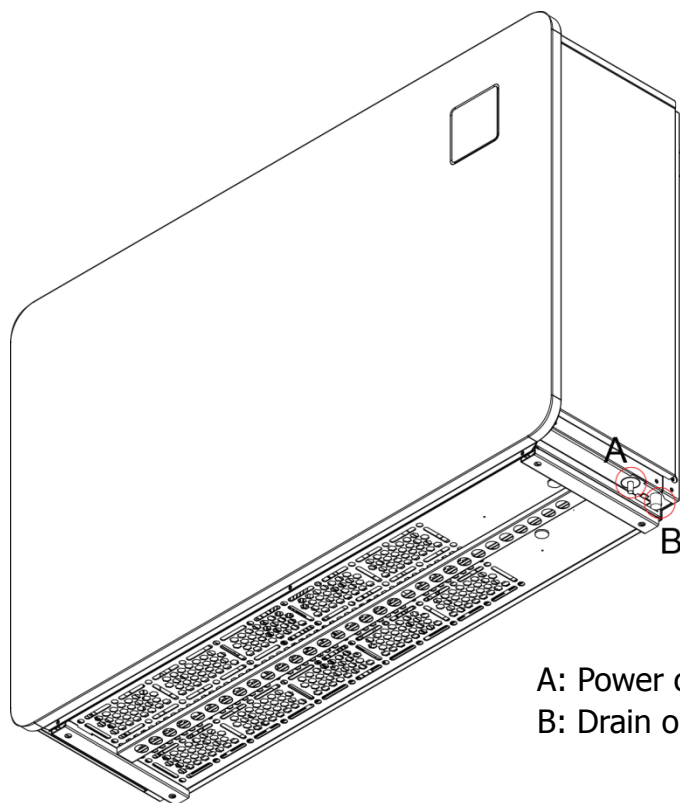
3. Hang the hanging strip on the back of the equipment on the bracket.



**After hanging the bracket, gently put the equipment until the pad of the bottom rests against the wall.**



4. Connect the drain pipe, and connect the power cord according to the wiring diagram

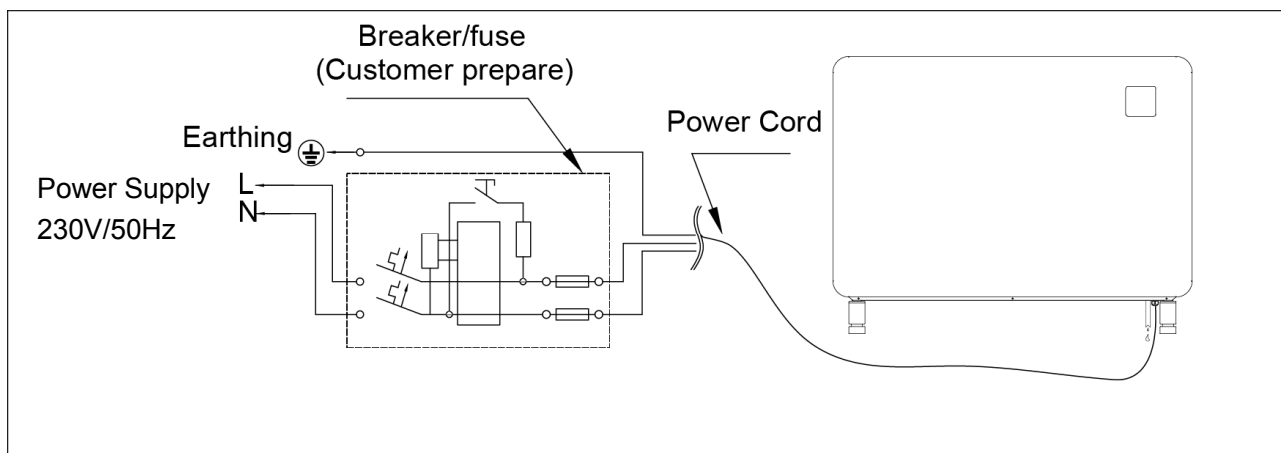


A: Power cord;  
B: Drain outlet( connect the drain pipes)

### 1.2.2. Electrical installation wiring

- 1) Connect to appropriate power supply, the voltage should comply with the rated voltage of the products.
- 2) Dehumidifier must be well grounded.
- 3) Wiring must be connected by professional technician according to the circuit diagram.
- 4) According to the requirements of relevant electrical equipment technical standards of the local country of the user, set up leakage protection devices (leakage operating current  $\leq 30\text{mA}$ )
- 5) The layout of power cable and signal cable should be orderly and not affecting each other; considering the environmental condition (ambient temperature, direct sunlight, rain, power grid voltage, cable length etc)
- 6) The cross-sectional area of the cable can be appropriately increased.
- 7) completed all the wiring, must be checked carefully then connect the power.

**⚠ Electric wiring diagram**



Model		IDHR60/ IDHE60	IDHR96/ IDHE96	IDHR120/ IDHE120
Breaker	Rated current A	16	22.5	24
	Rated residual Action Current mA	30	30	30
Fuse A		16	22.5	24
Power cord (mm <sup>2</sup> )		3x4	3x4	3x4

Note: Above data is adapted to power cord  $\leq 10\text{m}$ . If power cord  $\geq 10\text{m}$ , wire diameter must be increased.

## 1.3 Trail after Installation

 **Please check all the wirings carefully before turning on the dehumidifier.**

### 1.3.1. Inspection before use

1. Check if the dehumidifier is vertically or horizontally placed on the ground or hung on the wall, connected with drain pipe;
2. Check the electric wiring according to the electrical wiring diagram and earthing connection;
3. Make sure that the main power is well connected;
4. Make sure that setting the appropriate humidity;
5. Check if there is any obstacle in front of the air inlet and outlet of the dehumidifier.

### 1.3.2. Trail

The user should open the power switch firstly then connect the power.

To protect the dehumidifier, it is equipped with start delay function; When starting the dehumidifier, the fan will firstly start to run in 3 minutes, then the compressor will start running.

After dehumidifier starts up, check for any abnormal noise from the dehumidifier.

## 1.4.Daily Maintenance Notice

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

Cut off power supply of the dehumidifier before inspection;

Please cut off the power supply when not be used, and cover the plastic sheet use the cloth to prevent dust from entering.

Please clean the dehumidifier with the household detergents or clean water, NEVER use Volatile oil, gasoline, thinner or sassafras powder.

## 2.TROUBLE SHOTTING FOR COMMON FAULTS

Failure	Reason	Solution
<b>Dehumidifier 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 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 dehumidification</b>	The set humidity too low	set proper humidity
	3 minutes start delay	Wait patiently
<p>If above solutions don't work, please contact professional installer with model number and detailed information. Don't try to repair it yourself.</p>		

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

### 3.FAILURE CODE

NO	Failure	Code
1	High pressure protection	E1
2	Low pressure protection	E2
3	Abnormal power supply voltage protection	E5
4	Electric heating overheating protection (manual reset thermostat)	E7
5	Exhaust high temp protection	E8
6	Air out high temp protection	EA
7	Environmental low temp protection	Eb
8	Controller failure	P0
9	Air inlet temperature sensor failure	P1
10	Air outlet temperature sensor failure	P2
11	Exhaust gas temp sensor failure	P3
12	Gas return temp sensor failure	P5
13	Evaporation coil temperature sensor failure	P6
14	Ambient humidity sensor failure	P7
15	Cooling plate sensor failure	P8
16	Current sensor failure	P9
17	Restart memory failure	PA
18	Compressor drive module or related wiring failure	F1
19	PFC module failure	F2
20	Compressor start failure	F3
21	Compressor running failure	F4
22	Inverter board over current protection	F5
23	Inverter board overheat protection	F6
24	Over current protection	F7
25	Radiator high temperature protection	F8
26	DC fan fault	F9
27	PFC module over current protection	FA

