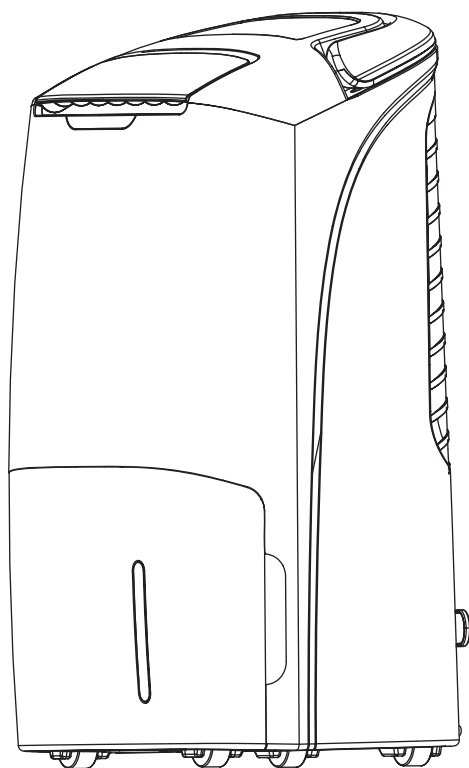


PHILCO® 

PDA22WWX 抽濕機
Dehumidifier

使用說明書
Operation manual



目錄

• 安全注意事項	3-5
• 使用環境	
• 機器部件名稱	6
• 使用方法和控制功能	
- 控制面板	7
- 觸摸鍵名稱、功能說明	
- 運行圖標顯示說明	8
- 控制鍵操作/控制功能說明	8
- 空氣質量檢測功能	8-13
- 模式自動關機功能	12
- 記憶功能	12
- 空氣濾網檢測、更換提醒功能	13
- 自動除霜功能	13
- 水滿自動停機功能	13
- 壓縮機延時啓動功能	13
- 顯示室溫	
- 高溫下強制轉換風扇轉速功能	14
- 超高溫、低溫安全保護功能	
- 低濕度安全保護功能	15
- 故障偵測功能	
- 連續排水功能	
• 主要性能參數	

安全注意事項

⚠ 在使用本機之前，請務必詳細閱讀此說明書，並妥善保管，以便日後參考使用！

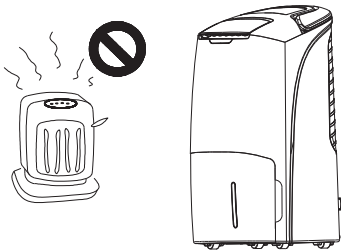
1) 使用本機前，請先核對供電電壓確認相符後方可使用。

2) 不要在浴室使用，可能導致觸電。



3) 不要將機器放置在能產生高溫家電附近，因為高溫可能損壞塑膠，及引起火災；也不要陽光下暴曬，以免外殼脫色，變色。

4) 不要在有腐蝕性氣體，易燃易爆氣體的場所使用，以免發生危險。

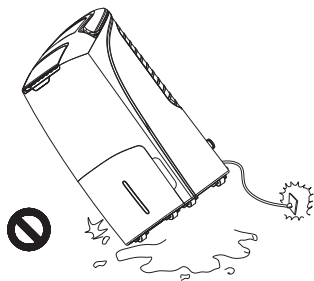


5) 如與兒童一起使用，請給予適當的指導。請不要試圖拆卸，修改本機的配件。如有損壞，請由合資格的專業維修人員修理。

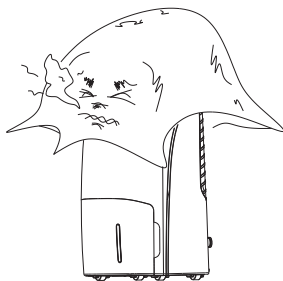
6) 把機器放在一個穩固，平坦的地面上使用，以防止產生振動和噪音。

安全注意事項

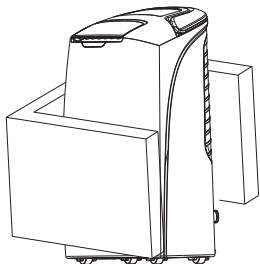
- 7) 一旦機器傾倒，請立即拔掉電源插頭。



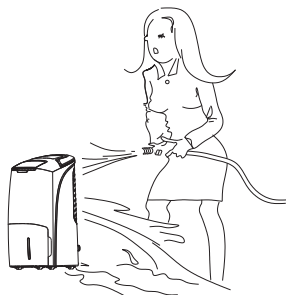
- 8) 機器運行時，不可覆蓋機體，以免機器發生故障。



- 9) 保持四週有30cm空間，不要阻擋進風口或出風口的空氣流動，以防止影響抽濕機性能或產生故障。



- 10) 不要直接噴水到機體上清洗，以免引起機器故障和觸電。



- 11) 濕手不要拔電源，否則可能引起觸電。

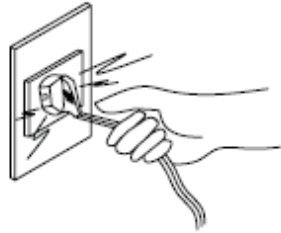


- 12) 拔電源線插頭前要先關機，以免出現觸電或其他危險。

安全注意事項

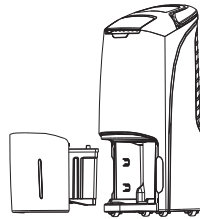
13) 若長時間不使用，請關機拔掉電源線插頭，然後倒掉水箱里的水並擦拭乾淨。

14) 不要拉線拔插頭，以免損壞電源線及造成事故。



15) 機器運行時，禁止用手及細小桿狀物體插入進風口或出風口內，以防止碰到裡面帶電部件和轉動的輪葉，損壞機器造成事故。

16) 移動機器時，先將水箱中的水倒掉，以免水濺出。



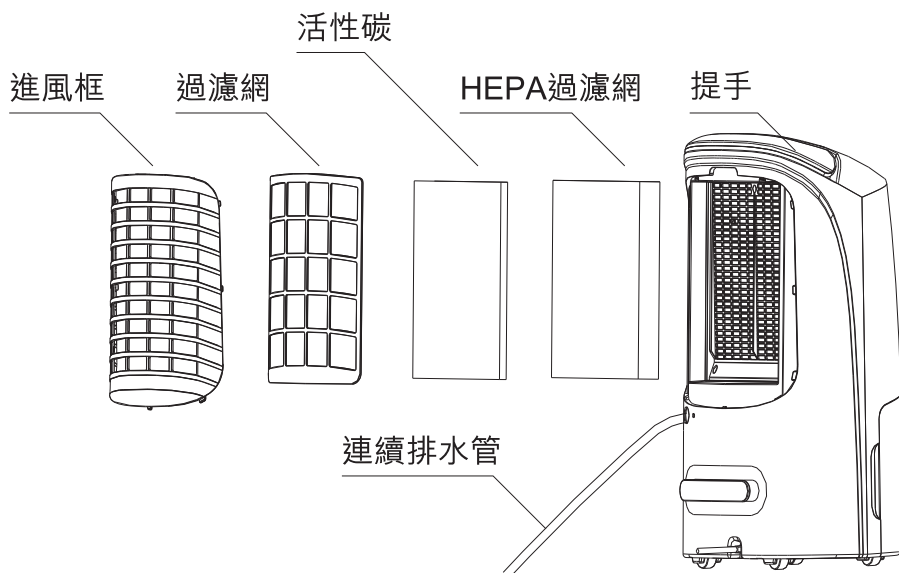
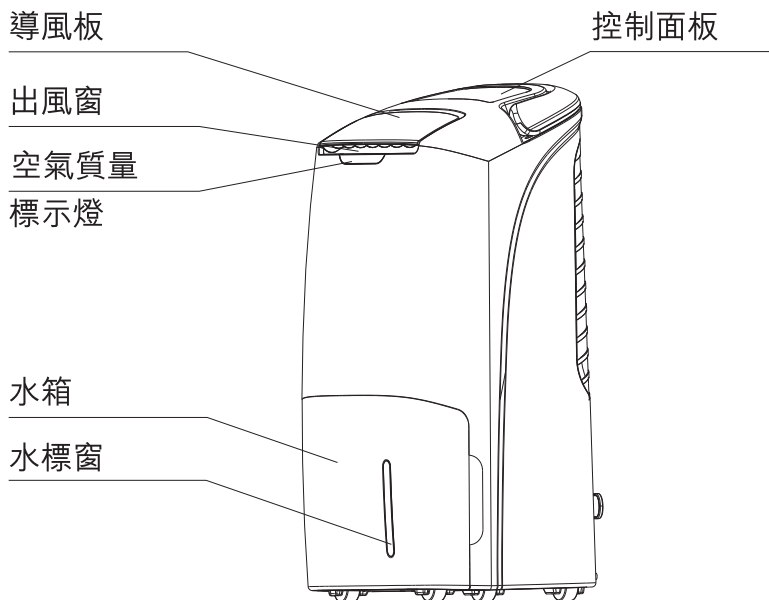
「請傾側水箱」

使用環境

1. 抽濕工作環境：溫度5°C-35°C相對濕度30% RH-90% RH
2. 本機最適合客廳、臥室、書房及辦公室等室內環境使用。
3. 使用本機時，請確保所有門窗都已關閉，以達到最高效率。
4. 將機器放置在穩固平坦的地面上使用，以免導致過大的震動而產生噪音。機體不可傾斜放置，以免抽濕水溢出或機器傾倒。



機器部件名稱

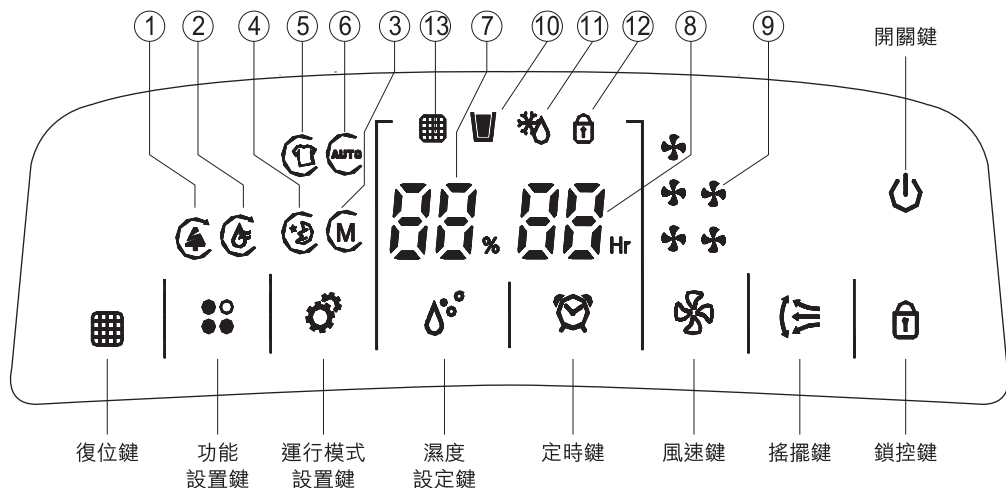


使用方法





























控制面板和按鍵功能說明

- ⏻ (開關鍵)：觸摸此鍵可開、關機機器；
- ⦿ (功能設置鍵)：觸摸此鍵可設置空氣淨化、空氣淨化+抽濕
- ⚙️ (運行模式設置鍵)：觸摸此鍵可設置手動控制、靜音運行、自動控制運行、乾衣運行（該模式只有在抽濕功能時才能設置）
- 💧 (濕度設定鍵)：觸摸此鍵可設置機器運行的濕度環境。
- 🕒 (定時鍵)：觸摸此鍵可設置機器定時關機時間。
- 🌀 (風速鍵)：觸摸此鍵可調節風扇的轉速。
- 🌀 (搖擺鍵)：觸摸此鍵可開、關自動擺風運行。
- 📱 (負離子 / 復位鍵)：觸摸此鍵可開、關負離子。長時間觸摸此鍵（5秒），將濾網的累計使用時間清零。
- 🔒 (鎖控鍵)：長時間觸摸此鍵（3秒），可啓動、取消所有控制鍵的鎖控功能

控制面板圖標顯示



運行圖標顯示說明

1.  空氣淨化運行標示
2.  抽濕運行標示
3.  手動控制標示，在此模式下可以根據需要設置風扇的轉速。抽濕運行時可以設定4段風速。空氣淨化時可以設定5段風速
4.  靜音運行標示，在此模式，風扇轉速在最低段運行且不能進行風速調節，空氣質量標示燈熄滅
5.  乾衣運行標示，在此模式，機器處於連續抽濕狀態，風速在最大段運行且不能進行風速調節
6.  自動控制運行標示，在此模式，風速會根據機器檢測的結果進行自動調節
7.  相對濕度值顯示，當操作設置濕度值時顯示濕度設定值，設定完成後轉換為顯示當前濕度值。
8.  定時關機時間顯示，可設定1—12小時和不定時。
9.  風速圖標，當為1段風速和靜音模式運行顯示1個圖標 
當設定為2段風速運行運行顯示2個圖標  
當設定為3段風速運行顯示3個圖標   
當設定為4段風速運行顯示4個圖標    
當設定為5段風速和乾衣運行，顯示5個圖標     
10.  水箱水滿標示
11.  除霜標示
12.  兒童安全鎖啓動標示
13.  HEPA過濾網更換提示。HEPA濾網使用時限到期，需更換。
14. 空氣質量顯示：出風口標示燈會根據機器檢測到的空氣質量好壞顯示不同顏色，
空氣質量為優良時，標示燈顯示綠色
空氣質量為良好時，標示燈顯示藍色
空氣質量為輕度污染時，標示燈顯示黃色
空氣質量為重度污染時，標示燈顯示紫色
空氣質量為嚴重污染時，標示燈顯示紅色

運行圖標顯示說明

15. 故障偵測顯示：當機器出現故障時，數碼管閃爍並顯示相應的故障代碼

C1：檢測蒸發器溫度傳感器故障或其檢測溫度50°C以上

C2：檢測環境的溫濕度傳感器故障或其檢測溫度50°C以上或0°C以下

C7：風扇直流馬達不轉。需排除故障後再通電開機

C8：蒸發器溫度和環境溫度差 $\leq 3^{\circ}\text{C}$ ，表示可能有冷媒洩漏



控制鍵操作/控制功能說明

1. 機器接通電源，機器處於待機狀態。通電蜂鳴器警示三聲，每按一次按鍵蜂鳴器會警示一聲，按開/關鍵關機時長鳴一聲。

開機：觸摸  (開 / 關機) 鍵，機器啓動運行，導風片自動打開。

接通電源後的初次開機，機器啓動後默認為空氣淨化+抽濕功能運行，運行模式為手動控制模式，3段風速運行。如果關機後，不斷電(不拔電源插頭)再開機，機器按關機前的運行狀態運行。

關機：機器在運行過程中，觸摸  (開/關機) 鍵，機器停止工作。

2. 功能設置：觸摸  (功能設置) 鍵，可啓動、關閉抽濕功能運行。只要機器在運行中，空氣淨化功能始終在開啓運行(觸摸  鍵，不能關閉、開啓淨化功能)

顯示  圖標：機器處於空氣淨化清新運行。機器不抽濕


顯示 、 兩圖標，機器處於空氣淨化功能+抽濕功能同時開啓運行。



3. 運行設置：觸摸  (運行模式設置) 鍵

在空氣淨化運行狀態：可設置手動控制【顯示 】、靜音運行【顯示 】、自動控制【顯示 】三種運行模式(空氣淨化運行時不能設置乾衣模式)。


在空氣淨化+抽濕運行功能：可設置手動控制【顯示 】、靜音【顯示 】、自動控制【顯示 】、乾衣【顯示 】四種運行模式


注：觸摸約5秒鐘後，原顯示濕度的雙8轉為顯示當前環境溫度，釋放此鍵，由當前環境溫度值轉為顯示當前的環境濕度值

① 手動控制模式：顯示  圖標，機器在手動控制模式運行，觸摸風速鍵可調節風速。

② 靜音模式：顯示  圖標，機器在靜音模式運行運行，空氣質量標示燈熄滅，機器停機蜂鳴器無警示聲，轉速在最低段(1段)，顯示1個  風速圖標，觸摸風速鍵不起作用。


運行圖標顯示說明

③ 自動控制模式：顯示  圖標，機器在空氣淨化的自動控制模式運行，不能手動調節風速，風速會根據機器檢測到的相應數據進行自動轉換。

A: 在空氣淨化功能運行(顯示  圖標)時，在自動控制模式運行，機器會根據檢測到空氣質量好壞來自動調節風速：



空氣質量為優，標示燈顯示綠色，1段(最弱段)運行，顯示1個  圖標，



空氣質量為良，標示燈顯示藍色，2段運行，顯示2個  圖標，



空氣質量為輕度污染時，標示燈顯示黃色，3段運行，顯示3個  圖標，



空氣質量為重度污染時，標示燈顯示紫色，4段運行，顯示4個  圖標，



空氣質量為嚴重污染時，標示燈顯示紅色，5段運行，顯示5個  圖標



B: 在空氣淨化功能、抽濕功能同時開啓運行(顯示   圖標)時，在自動控制模式運行，機器會根據檢測到的環境濕度來自動調節風速：


當環境濕度 $\leq 60\%$ RH時，機器停止抽濕，抽濕圖標  閃爍，風速自動切換為1段(最弱段)，顯示1個  圖標

當檢測到環境濕度 60% RH $\sim 65\%$ RH時，機器抽濕運行，抽濕圖標  顯示，風速自動切換為2段，顯示2個  圖標

當檢測到環境濕度 66% RH $\sim 70\%$ RH時，機器抽濕運行，抽濕圖標  顯示，風速自動切換為3段，顯示3個  風速圖標

當檢測到環境濕度 $\geq 71\%$ RH時，機器抽濕，抽濕圖標  顯示，風速自動切換為4段，顯示4個  風速圖標



④ 乾衣運行模式：顯示  圖標，機器在乾衣運行模式，機器開啓抽濕且為連續抽濕，不受濕度高低的控制，風速為抽濕功能時的最強段(5段)，顯示5個  風速圖標。觸摸風速鍵不能進行風速調節。

4. 濕度設定：觸摸  (濕度設定)鍵，可設置所期望的環境濕度值，**88** 數碼顯示從CO $\sim 35\% \sim 40\% \sim 50\% \sim 75\% \sim 80\% \sim$ CO。。。。循環，

CO表示為連續抽濕，無濕度設定，機器抽濕運行不受環境濕度控制。

停止濕度設定後，**88** 數碼顯示由期望環境濕度設定值轉為顯示當前環境濕度值。


例：在抽濕功能運行下：

設定50%---表示期望環境濕度值為50%，當機器檢測到當前環境濕度 $\geq 52\%$ RH，機器啓動抽濕；當機器檢測到當前環境濕度 $\leq 48\%$ RH機器停止抽濕，抽濕圖標  閃爍(若機器啓動抽濕， 停止閃爍)。


注：只有開啓抽濕運行時才有此功能。

運行圖標顯示說明

5. 定時關機：觸摸  (定時關機)鍵，可設置機器定時關機時間。

 數碼顯示1Hr~2Hr...5Hr...11 Hr~ 12Hr，無顯示

雙8數碼無顯示，表示解除定時即沒有設定時關機。


例如： 數碼顯示5 Hr，表示定時關機時間為5小時，隨時間過去而顯示預置剩餘時間，最後定時時間到機器自動關機，整機停止工作。

在定時過程中，觸摸(關機)鍵，整機停止工作，則定時的剩餘時間取消。

如果設定了定時功能後，在運行中再觸摸  (定時關機)鍵取消原定時時間，再按設定時間重新開始計時(模式自動關機功能重新開始計算12小時)。

在定時過程中，如果機器有水箱滿水或者除霜，定時時間仍然有效，直到定時時間到機器自動關機，整機停止工作。


6. 風速調節：機器在手動控制模式(顯示  圖標)，觸摸  (風速)鍵可調節風扇轉速，即調節風速段位。


1段(最低段)，顯示1個  風速圖標



2段，顯示2個  風速圖標

3段，顯示3個  風速圖標


4段，顯示4個  風速圖標



5段(最強段)，顯示5個  風速圖標




當機器處於空氣淨化功能時(顯示  圖標)，可設置空氣淨化的1、2、3、4、5五個風速段位：



當機器處於空氣淨化功能+抽濕功能同時開啓運行，同時顯示 、 兩圖標，可設置抽濕功能的1、2、3、4四個風速段位：

機器在靜音【顯示 】、自動控制【顯示 】、乾衣【顯示 】三種模式運行時不能進行風速手動設置。

7. 擺風：觸摸  (擺風)鍵：可開、關出風口的導風板自動擺風運行。擺風開啓時導風板作上方向50° 範圍擺風運行。

8. 負離子：觸摸  (負離子/復位)鍵：可開啓、關閉機器的負離子功能，負離子功能開啓時，顯示  圖標。

當HEPA濾網更換提示圖標  閃爍時，更換HEPA濾網後，觸摸  (計時復位)鍵5秒：關閉HEPA濾網更換提示圖標  且清除濾網的累計使用時間。HEPA濾網的使用計時重新開始。

9. 鎖控功能：機器在運行中，觸摸  (鎖控)鍵3秒，鎖控功能啓動，顯示  圖標，此時觸摸其他鍵均不起作用，防止兒童誤操作機器。

解除鎖控功能：再次觸摸  (鎖控)鍵3秒鐘鎖控功能自動解除，圖標熄滅。

空氣質量檢測

機器安裝有空氣質量檢測器，可以檢測空氣的潔淨狀況，出風口的空氣質量標示燈顯示不同顏色來識別。

空氣質量為優良時，標示燈顯示綠色

空氣質量為良好時，標示燈顯示藍色

空氣質量為輕度污染時，標示燈顯示黃色




空氣質量為重度污染時，標示燈顯示紫色

空氣質量為嚴重污染時，標示燈顯示紅色



預設模式自動關機功能

機器設置在抽濕運行時，機器長期運行，可能造成機器故障或產生危險，機器設有模式自動關機功能：從開機時起或取消定時起，機器運行12小時會自動關機。如果設定了定時關機功能時，優先運行定時功能。

如果設定了定時關機功能後再解除定時關機時，則預設模式關機時間重新開始計時12小時，時間到機器自動關機。

預設模式自動關機功能的取消：(用於別墅、地下室等環境時)機器在待機狀態，同時觸摸  和  鍵5秒，可取消預設模式關機功能，如果取消成功蜂鳴器會報警一聲，滿水標示圖標  會亮5秒。預設模式自動關機功能取消後，機器開啓運行就不會受12小時模式自動關機的控制。


注：只有開啓抽濕運行時才有此功能。


預設模式自動關機功能的恢復：再同時觸摸  和  鍵5秒，蜂鳴器會報警二聲，或拔掉電源插頭機器斷電，可恢復模式自動關機功能。




記憶功能

1. 關機記憶功能：關機後(機器不斷電)再開機，機器會按照關機前的設置模式運行。
2. 停電記憶功能：機器在運行過程中停電後，重新供電機器會按照停電前的設置模式自動啓動運行。


空氣濾網檢測、更提醒換功能

機器開機運行後，只要風扇在運轉，操控系統會自動記憶累計使用時間，當累計使用時間達到970小時，機器會開始檢測進風口的HEPA濾網的透氣性，每次檢測時間為10分鐘（檢測時所有按鍵均被鎖定不能操作，同時空氣質量標示燈在閃爍作為檢測提示），檢測完成後機器恢復原設置運行，按鍵解除鎖定。然後每累計運行10小時再檢測1次，如果連續4次檢測都判定HEPA濾網堵塞，機器停止上述的檢測動作，濾網圖標閃爍，提醒使用者及時更換HEPA濾網（機器仍然可以正常操作、運行）。



如果機器運行過程中，都檢測到HEPA濾網透氣性都正常，累計運行時間達到5000小時，機器直接提示HEPA濾網需要更換，濾網圖標閃爍，提醒使用者及時更換HEPA濾網。

當使用者更換新HEPA濾網後，需要將原濾網的累計使用時間進行清零。機器運行中，濾網圖標閃爍時，觸摸鍵5秒，蜂鳴報警器報警，濾網圖標熄滅，機器重新開始下一個循環的計時。

警告：

- 1. 濾網圖標閃爍提示後，請及時更換HEPA濾網！**
- 2. 當沒有更換HEPA濾網，請不要將濾網的累計時間清零，以免忘記更換新HEPA濾網，而造成機器工作異常甚至產生故障！**
- 3. 禁止在沒有安裝HEPA濾網的情況下，長時間開機運行，以免加大風扇的負載而產生故障！**

自動除霜功能

當機器在低溫環境下抽濕運行時，蒸發器表面可能會結霜，為保證機器的正常運行，機器設置有自動除霜功能。除霜時會顯示圖標，除霜結束圖標熄滅。


當機器固定在蒸發器銅管的溫度 $\leq 0^{\circ}\text{C}$ 時，機器會進入自動除霜程序，即機器連續抽濕運行35分鐘後，啟動自動除霜12分鐘，除霜時壓縮機停止運行，風扇為高風速段運行。除霜12分鐘後蒸發器的銅管溫度 $\geq 2^{\circ}\text{C}$ ，除霜結束抽濕功能啟動，機器恢復原來設置運行。


若在除霜12分鐘內，檢測到蒸發器的銅管溫度 $\geq 10^{\circ}\text{C}$ ，同時檢測室溫 $\geq 8^{\circ}\text{C}$ 時，除霜結束抽濕功能啟動，機器恢復原來設置運行。

如果在除霜程序的35分鐘的抽濕運行中，檢測到蒸發器的銅管溫度 $> 2^{\circ}\text{C}$ ，機器退出除霜程序，清除其記錄時間。定時關機或手動關機，機器退出除霜程序，清除其記錄時間。

注：只有開啓抽濕運行時才有此功能。

水滿自動停機功能



當機器設置抽濕運行時，檢測到水箱水位達到設定高度，蜂鳴器將報警，水滿圖標  亮，同時整機停止運行。

取出水箱，將水倒掉，再放回水箱，水滿圖標  熄滅，機器將按水滿前的設置狀態重新啓動運行（水滿至放回水箱的間隔時間需3分鐘抽濕功能才會啓動）。

注：只有開啓抽濕運行時才有此功能。

警告：如果水箱滿水檢測浮標骯髒或有異物，浮標不能隨水箱水位的上升而正常浮動，可能產生水箱水滿不停機，從而導致水流到地板上。請及時清洗水箱和浮標。

壓縮機延時啓動功能

機器設置在抽濕運行時，壓縮機停止工作後，如果立即再啓動，制冷系統壓力未平衡，容易引器過載保護啓動，機器設有壓縮機延時3分鐘啓動功能。在此3分鐘內，機器停止抽濕，抽濕圖標  閃爍。3分鐘後若機器開始抽濕，抽濕圖標  停止閃爍。

注：只有開啓抽濕運行時才有此功能。

顯示室溫

機器在開機運行中，觸摸  鍵5秒，原顯示濕度值的數碼顯示屏顯示當前室溫，8秒後退出轉顯示濕度。

高溫下強制風扇轉換功能

在高環境溫度下抽濕運行，低風速段運行壓縮機負載加重，故高溫環境抽濕時下將低速段切換到高風速段，待環境溫度下降後再恢復原來設置的段位運行。


抽濕模式運行風速轉換如下：T:代表環境溫度 RH: 代表環境濕度

1. $28 \leq T < 32^{\circ}\text{C}$ 同時 $\text{RH} \geq 75\%$ ，風速設置在1、2段則切換為3段，風速設置3、4段則保持不變。
2. $T \geq 32^{\circ}\text{C}$ 時，風速在設置1、2、3段則切換為4段，風速設置4段則保持不變

正常運行各風速段轉速：


運行模式	設置風扇段位	風扇段位編號	風扇的轉速 (rpm)	備注
空氣淨化	自動	①-②-③-④-⑤	300-650-900-1050-1250	
	1段	①	300	
	2段	②	650	
	3段	③	900	
	4段	④	1050	
	5段	⑤	1250	
抽濕	自動	⑥-⑦-⑧-⑨	550-650-750-900	
	1段	⑥	55	
	2段	⑦	650	
	3段	⑧	750	
	4段	⑨	900	
乾衣	乾衣	⑩	1000	

超高溫、低溫保護功能

機器設置在抽濕運行時，檢測到環境溫度 $\leq 3^{\circ}\text{C}$ 或 $\geq 40^{\circ}\text{C}$ ，機器停止抽濕(壓縮機停止運行)，抽濕圖標閃爍，風扇仍維持原來的設置運轉。當機器檢測到環境溫度回復到 $\geq 5^{\circ}\text{C}$ 或 $\leq 38^{\circ}\text{C}$ ，機器恢復抽濕運行，抽濕圖標停止閃爍(壓縮機再啟動需達到3分鐘的保護時間)

注：只有開啓抽濕運行時才有此功能

低濕度保護功能

機器檢測到環境濕度 $\leq 30\%$ 時，濕度雙八標示燈顯示Lo，抽濕圖標閃爍，機器停止抽濕運行（即壓縮機停止工作），馬達仍維持原來的設置運轉。機器檢測到環境濕度 $\geq 32\%$ ，濕度雙八標示燈顯示實際濕度，機器恢復抽濕運行（壓縮機啓動需達到3分鐘的保護時間）

機器檢測到環境濕度 $\geq 91\%RH$ 時濕度雙八標示燈顯示Hi，機器保持原狀態工作。

注：只有開啓抽濕運行時才有此功能

故障偵測功能

機器設置在抽濕運行時，傳感器檢測主體及電路的異常狀況。

1. 當機器檢測到蒸發器溫度的傳感器出現故障(開路、短路)時，整機停止運行，同時數碼顯示屏顯示C1並閃爍。觸摸任何鍵均不起作用，解除方法：需整機斷電後再通電或排除故障後再通電開機。
2. 當機器檢測環境溫度的傳感器出現故障(開路、短路)、溫濕度傳感器的連接線松脫時，整機停止運行，同時數碼顯示屏顯示C2並閃爍，觸摸任何鍵均不起作用，需整機斷電後再通電或排除故障後再通電開機。
3. 機器在運行當中，檢測到DC直流馬達停止運轉15秒後，整機停止運行，同時數碼顯示屏顯示C7並閃爍。需排除故障後再通電開機。
4. 冷媒洩漏檢測：如果制冷系統冷媒洩漏造成整機不制冷，蒸發器的溫度會上升而接近環境溫度。壓縮機工作運行時，每8分鐘檢測一次環境溫度值和蒸發器溫度值；如果連續5次檢測到環境溫度值和蒸發器溫度值之差 $\leq 3^{\circ}C$ 時，則表示制冷系統冷媒存在洩漏，整機停止運行同時數碼顯示屏顯示C8並閃爍。需排除故障後再通電開機。（注：壓縮機停止運行時不作此項檢測）

連續排水功能

當機器需連續排水時，移開後殼的排水孔塞頭，用一根適合長度內徑12mm軟膠管通過後殼排水孔連接到排水嘴上，機器連續運行，水箱不會盛水。此時機器可連續運行而不會因水箱水滿而導致停機保護。

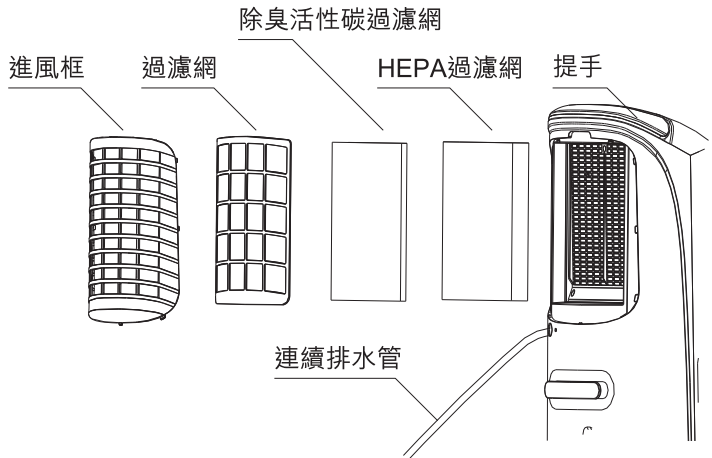
連續排水時，排水管需平放於地面。排水管的任何部位不可有折疊和上翹現象存在，否則可能會產生排水不順甚至不排水的情形。



保養及清潔

- 本產品外殼為塑膠及木材，避免陽光直射
- 取下水箱時，需輕拿輕放
- 長期不用時，請將電源線插頭拔掉並將水箱的水全部倒掉放置兩天，待機器內部乾燥後再包裝，保存於通風，乾燥的環境下，以延長使用壽命。存放時請將機體立放，切勿橫放和倒放。
- 清潔產品時，請用柔軟而乾淨的布擦拭（不可使用酒精，汽油及苯等化學溶劑）
- 保持過濾網的清潔。如下圖取出過濾網，用吸塵器清掃或用水油洗後，放於通風處晾乾。

背面



性能參數

型號		PDA22WWX
額定電壓		220~240V /50HZ
抽濕	抽濕量	22升/日 (30°C 80% RH) 12.68升/日 (26.7°C 60% RH)
	消耗功率	285W
	抽濕風量	1段: 90 m ³ /h 2段: 110 m ³ /h 3段: 135 m ³ /h 4段: 170 m ³ /h 乾衣段: 200 m ³ /h
	能效等級	一級
空氣淨化	消耗功率	1段: 7w 2段: 10w 3段: 18w 4段: 23w 乾衣段: 26w
	淨化風量	1段: 40 m ³ /h 2段: 115 m ³ /h 3段: 170 m ³ /h 4段: 200 m ³ /h 乾衣段: 270 m ³ /h
	CADR值	250 m ³ /h (5段)
冷媒		R134a 150克
水箱容量		4升
尺寸規格		617(高) × 343(濶) × 300(深)毫米

*相關產品的規格，可能會因配件批次或實際使用地區的電壓差異而有所不同。

Index

• Important Safe Guards	21-23
• Ambient Environment For Operating	24
• Components Diagrams---Parts Names	25
• Operating Introduction---How to operate	26
- Functions of Control Panel & Key Pads	
- Operation of Key Pads	
- Full tank stop device	
- Protection of Extremely Low & High Temperature	
• Air quality detection function	32
• Mode of automatic shutdown function	
• Memory function	
• Air filter detection, replacing the reminding function	33
• Automatic Defrosting	
• Protection of Water Tank Full	34
• Processions of Abnormal Compressor Loading	
Compressor delay start function	
• Room temperature indication	
• High temperature casts fan speed function	35
• Low humidity safety protection function	36
• The fault detection function	
• Continuous Drainage	37
• Maintenance & Cleaning	
• Features	38

1. Important Safety Guards

SAFETY PRECAUTIONS

⚠ Do not install and use the unit before carefully reading this instruction guide. Please retain this manual for product warranty and future reference.

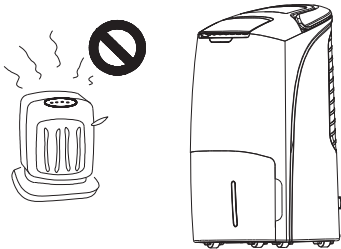
1) Please be sure your electricity is correct

2) To protect against electrical shock, do not place it in near window or in bathroom



3) Please ensure the unit is not placed closely to the high temperature appliance, in case of damage the case and catch fire.

4) Never operate this unit in an explosive or corrosive atmosphere.

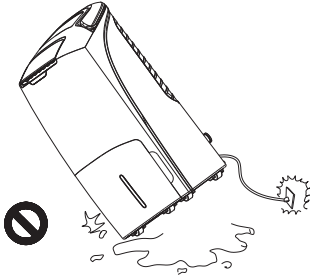


5) Always guide if children operate. Never disassemble the unit, and never try to carry out repairs or adjust the unit by unqualified person.

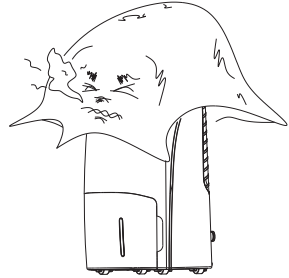
6) Put the machine on the stable and flat surface, to avoid the vibration and noise occurrence.

1. Important Safety Guards

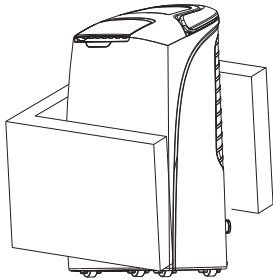
- 7) Do not use the unit when slanted. If toppled over, please pull out the plug at once.



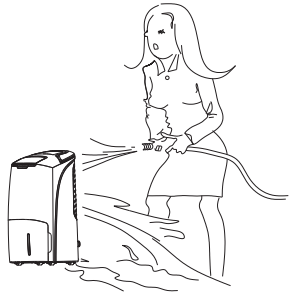
- 8) Make sure the inlet and outlet ventilation is not blocked at all times.



- 9) Ensure there is 30 cm of clear space on all sides of the unit.



- 10) Do not spray water on the unit, spraying water may cause malfunctioning and electric shock.



- 11) Never pull the socket by using damp hands.

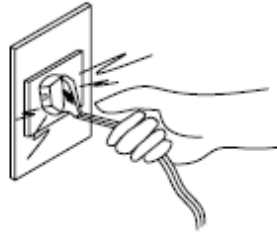


- 12) Always switch off at the socket before unplugging to avoid electric shock or arcing.

1. Important Safety Guards

13) Switch off and unplug the unit, empty the water tank when not using the unit for a long time.

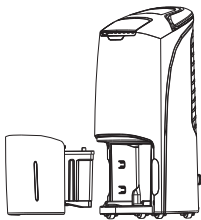
14) Do not pull power cord by force because it will cause damage to power wire.



15) Never put fingers or other objects in any openings of the unit.

16) Care should be taken when using the unit, unplug the appliance during cleaning.

17) WHEN MOVING, Stop the operation, open the drain outlet, and dispose water in the tank. And then hold the handle to move.

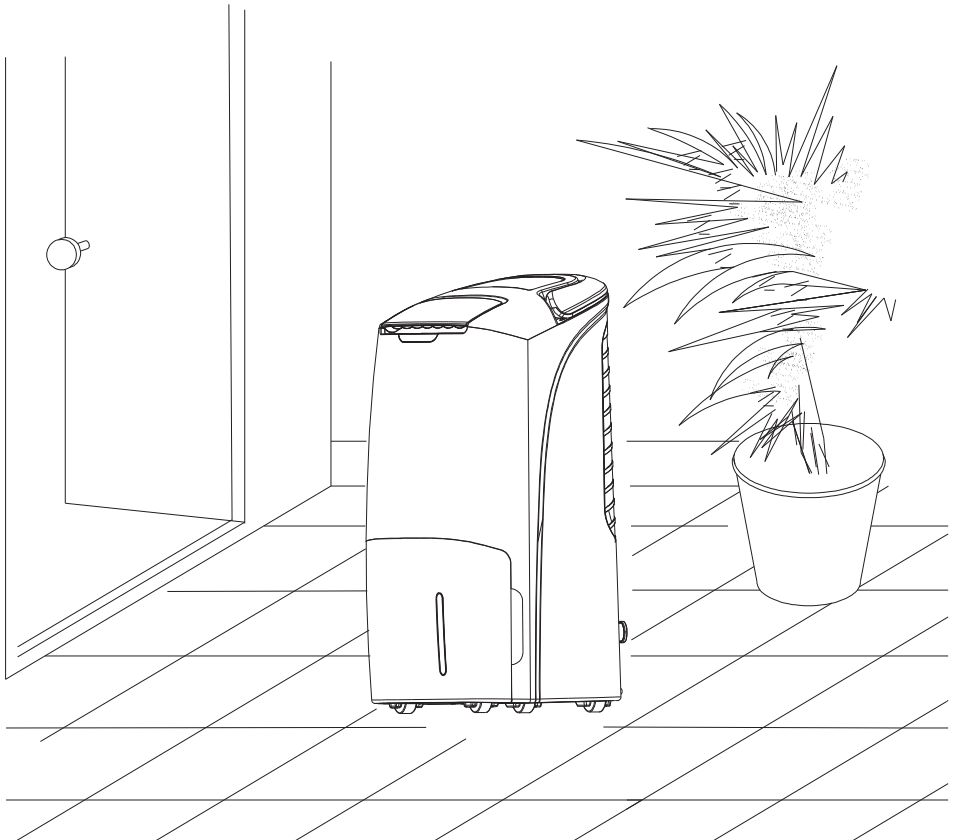


Hold the handle to move

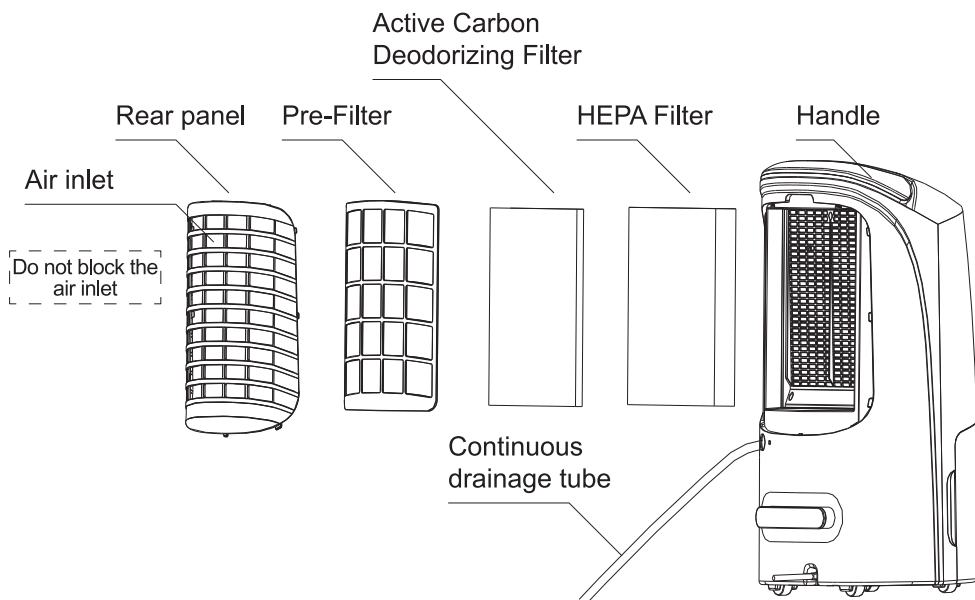
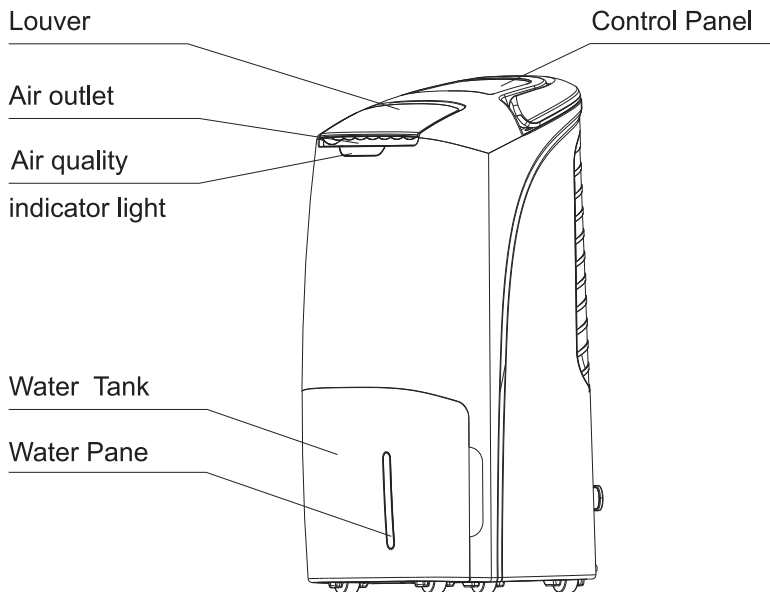
If the power cord is damaged, it must be replaced by the manufacturer, its service agent or qualified persons in order to avoid a hazard.

Ambient Environment For Operating

1. The appliance is designed to provide an optimum performance, but it is not recommended to operate in ambient temperature exceeds 35°C or lower than 5°C (Relative humidity 30%-90% RH).
2. Operate the unit at indoors, e.g. Living room, bedroom, etc.
3. Make sure the door and window are closed before turning on the unit.
4. Ensure that the unit is placed on a stable and flat floor surface. If the floor surface is not even there is a risk that the unit may be unstable and topple over. Also excessive vibration and noise may be result.












Parts Names

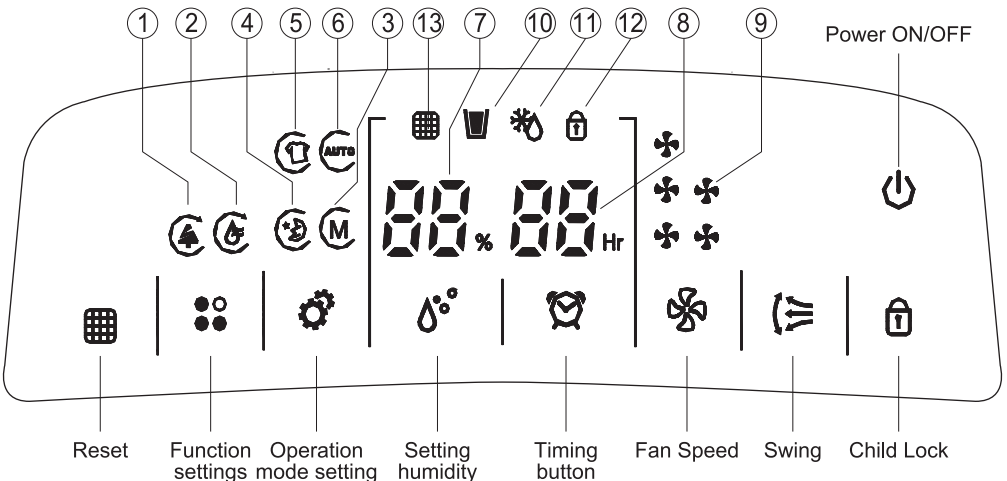


How To Operate










MAIN UNIT AND CONTROL PANEL

-  (Power Mode button): Touch the button to switch on/off the power;
-  (Function setting button): Touch the button to set up air purifying, air purifier and dehumidifier.
-  (Operation mode setting button): Touch the button to set up manual mode, quiet mode, automatic mode and clothes drying mode (Clothes drying model can only set in the dehumidification function)
-  (Setting button for humidity): Touch the button to set the humidity)
-  (Timing button): Touch the button to set the machine shutdown time.
-  (Fan speed button): Touch this key to adjust the fan speed
-  (Swing button): Touch the button to switch on/off swing function.
-  (Ionizer / Reset button): Touch the button to switch ON/OFF the ionizer. Press for over 5 seconds, to reset filter working time.
-  (Child Lock): Press for over 3 seconds, to start or cancel child lock function, the lock will be displayed to prevent incorrect operation by children.

Operation Of Key Pads



How To Operate

1.  Air purification display
2.  Dehumidifier display
3.  Manual mode indication: In this mode, fan speed can be set as demand Dehumidifying operation can set 4 level speed. Air purifying can be set 5 level speed.
4.  Quiet mode indication: In this mode, fan motor speed run as lowest level and can not be adjusted. The air quality indicator lights is off.
5.  Clothes dry mode indication: In this mode, the machine is running in continuously, Fan motor operated as maximum speed and cannot be adjusted.
6.  Automatic control operation indication: In this mode, the fan speed will be adjusted automatically according to the machine detection results.
7.  Display relative humidity: Illustrate humidity status after humidity has been set.
8.  Display machine shutoff time: Can be setting from 1 - 12 hours and non-scheduled .
9.  Fan speed indication: Difference fan speed with corresponding fan icon in the display show.





When setting speed 1 and mute mode, LCD display 1 icon ... 

When setting speed 2, LCD display 2 icons ... 

When setting speed 3, LCD display 3 icons ... 

When setting speed 4, LCD display 4 icons ... 

When setting speed 5, LCD display 5 icons ... 

10.  Water full indication
11.  Defrosting indication
12.  Child lock indication
13.  HEPA filter replacement tips
14. Air purifying quality display, the air quality indicator light will display different color according to the air quality sensor feedback.

Air quality is very good, the indicator light shows green

Air quality is good, the indicator light shows blue

Air quality is mild polluted, the indicator light shows yellow

Air quality is heavily polluted, the indicator light shows purple

Air quality is seriously polluted, the indicator light shows red.

How To Operate

15. Fault detection display. When the machine malfunctioned, LED display the corresponding fault code.
- C1: The defrosting sensor fault detection or above the temperature of 50°C or below 0°C.
 - C2: Temperature and humidity sensor fault detection or above the temperature of 50°C or below 0°C.
 - C7: Fan motor not working. Need to fix it and re-start again.
 - C8: defrosting sensor and temperature and humidity sensor detects the temperature difference is less than or equal to 3°C, indicate refrigerant leakage

Functions of Control Panel

1. Power ON/OFF button When plug in appliance



The appliance is switched on, than machine goes to standby state. General electric buzzer warning three times, each time you press the button buzzer warning sound, Press ON/OFF key to shutdown with ringing sound,


Startup: press (ON/OFF) button, the machine starts running, the louver was automatically open.

The first time after the power is switched on, the machine default setting as air purifier and dehumidifier. The operation mode work as manual control mode, Fan speed 3 to operate. The machine resume some mode as before from standby status unless plug has been removed.

Shutdown the machine during operation, press (ON/OFF) button during operation, the machine stop working.




2. Function setting button:





Touch  key, can ON/OFF the dehumidifying function operation. If the machine is in operation, air purification function always in working (touch  key, cannot on or off the purification function)

Show icon  : air purification machine work as air purifying.

Display two icons, the machines is in air purifier + dehumidifying function mode.





3. Operation settings: touch (operation mode setting key)


Air purification mode: Machine can be setting for manual control [display ], [display ] quiet operation, automatic control [display ] three operating modes (air cleaning operation cannot be set for drying mode).


In the air purification + dehumidification operation function: Machine can be setting for manual control [display ] [display ], mute, automatic control [display ], [display ] dry clothing four operation modes


How To Operate


Note: Press about 5 seconds, the original display for humidity turns to display the current temperature of the environment. Release of this key, change the current environmental temperature value to display the current value of the environmental humidity.


- Manual control mode, Display  icon
Manual control mode: icon display  , operate the machine in manual control mode, press fan speed button can adjust the fan speed.
- The quiet mode: icon display  icon, the machine is running in quiet mode, the air quality indicator light is off, the machine will be stopped without warning buzzer sound, fan speed in the lowest-grade (Speed 1), shows 1 speed icon, fan speed cannot be adjusted.
- Automatic control mode: icon display  icon, the machine running as automatic control mode of air purification, cannot adjust the fan speed. Fan speed will change from the corresponding data from machine detection.


- A. Air purification function (display icon ), running as automatic control mode, the machine will adjust speed automatically which is according to the detection from air quality:

Air quality is excellent , air quality indicator shows green, the fan speed automatically switches to the speed 1, display 1 fan icon 



Air quality is good, the air quality indicator shows blue, the fan speed automatically switches to speed 2, display 2 fan icon 


Air quality is the mild pollution, air quality indicator shows yellow, fan speed automatic switching for speed 3, display 3 fan icon 

Air quality is serious pollution, air quality indicator shows purple fan speed automatic switching for speed 4, display 4 fan icon 


Air quality is a serious pollution, air quality indicator light shows red, fan speed automatically switches to speed 5(maximum speed) display 5 fan icon 


- B: In the air purification + dehumidifying function, it works as to automatic mode, fan speed adjust automatically according to environment humidity detection:



When the environmental humidity is less than or equal to 60% RH, the machine which is stops dehumidification after detected, dehumidification icon flashes  , fan speed switch to speed 1 (Lowest speed), shows 1 fan icon 

When environment humidity identify as 60% RH~65% RH, machine switches to the dehumidification mode, dehumidification icon display, fan speed automatic switching for speed 2, display 2 fan icons 

How To Operate

When environment detected as 66% RH~70% RH, machine dehumidification icon display, fan speed automatic switching for speed 3, display 3 fan icon 


When the environmental humidity detected as greater than or equal to 71% RH, the machine dehumidification icon display for speed automatic switching of speed 4, display 4 fan icons 

The drying operation mode: icon display , the machine works in the drying operation mode, it goes for continuous dehumidification and not controlled by a humidity level, dehumidification function goes with highest fan speed (speed 5) and shows 5 fan icon . The fan speed key cannot be adjusted.


4. Setting humidity: press (humidity setting), can be set to the desired key, environment humidity, digital display from CO~35%~40%... 50%... 75%~80%~CO..... in loop. The display shifted from environmental humidity to display the current environment humidity.

CO is indicated as continuous dehumidification, machine keeps working without humidity setting control


Example: in the dehumidification operation:

Set the 50%--- expectations of environmental humidity value is 50%, when the appliance detects that the current environment humidity is greater than or equal to 52%RH, the appliance start; when the appliance detects that the current environment humidity is less than or equal to 48%RH, machine stop dehumidification, dehumidification icon flashes  (if the machine start, stop flashing). **(Note: Only dehumidifying mode has this function to work with.)**

5. Regular shutdown: press  (timer shutdown) key, sets the machine shutdown time.

Digital _{hr} display 1Hr~2Hr... 5Hr... 11 Hr~ 12Hr, no display

Double 8 digital no displays, no setting time to shutdown appliance.


For example: Digital _{hr} display 5 Hours, it indicated shutdown time is 5 hours, and display the preset time remaining, finally machine automatic shutdown.


In the timing process, press the ON/OFF key to turn off, machine will stop working, the timer set remaining time to be cancelled.


If you run after setting the timing function, then press the (time off) button will cancel the original timing, then according to the set time to turn on the time (automatic shutdown function begin with calculated 12 hours).

In the timing process, if the machines have the water tank is filled with water or defrost, timer still working, until the machine automatic shutdown and stop working.


How To Operate


6. Fan speed adjustment: machine in manual control mode (display icon ), press key can regulate the fan speed.

When the machine is in the air purification function (display icon ) , can be set to air purification function of five speed gear:



Speed 1 (the lowest), display 1 fan icon 


Speed 2, display 2 fan icon 

Speed 3, display 3 fan icon 


Speed 4, display 4 fan icon 

Speed 5 (the highest), display 5 fan icon 




When the machine is working in the air purification function + dehumidifying function at the same time, two icon,   are displayed and it can set the dehumidifying function with four kinds of speed:








Speed 1 (the lowest), display 1 fan icon 

Speed 2, display 2 fan icon 

Speed 3, display 3 fan icon 

Speed 4, display 4 fan icon 

The machine in the quiet [display ] [display ], automatic control, dry clothing [display ] three kinds of mode of operation cannot be carried out fan speed setting.

7. Swing button, press  button, turn on/ turn off the wind guiding plate, The wind swinging can open the air guide plate with upper direction 55 degrees for swing wind operation
8. Ionizer: Press  (Ionizer/Reset) button, to turn  ON/OFF the machine ionizer function. When ionizer function on, it will display icon. Press reset (reset ) key for 5 seconds: can close HEPA filter flash screen for replacing reminded, accumulated used time also clear out.
9. Lock control function: the machine is in operation, touch (lock ) button for 3 seconds, the lock control function start, display icon  , this time to touch other key does not work and prevent the misoperation, machine child.
- Remove lock control function: touch again (lock control) key for 3 seconds and lock symbol  disappear.

Air quality detection function

The machine equipped with a air quality sensor, it can detect the air quality, the air outlet quality indicator shows different color recognition.

Air quality is very good, the indicator light shows green

Air quality is good, the indicator light shows blue

Air quality is the mild pollution, the indicator light shows yellow



Air quality is heavily polluted the indicator light shows purple

Air quality is seriously polluted, the indicator light shows red

Mode of automatic shutdown function

The machine is running in the drying operation, long-term operation of the machine, might cause malfunction or danger, the machine is equipped with a mode of automatic shutdown function: since start up or cancel timing, the machine will run 12 hours and automatically shut down. If you set the timer off function, timing function operated in priority.


If you set the timer off function after cancel timing shutdown, the default mode shutdown time will re-count the timing for 12 hours and automatic shutdown.


Cancel the automatic shutdown function: (for the villa, basement environment) machine in the standby state, press  and  button for 5 seconds, it can cancel shutdown function, the buzzer will alarm sound for the cancellation successful, full water indicator icon will flash for 5 seconds. After cancel the automatic shutdown function, the machine control operation would not be affected by the 24 hour mode automatic shutdown.



Memory function

1. Power off memory function: after shutdown (machine does not disconnect from power off) and then restart, the machine will run according to the set mode before shutdown machine.
2. Power failure memory function: After the power resume, the machine will start automatically with the previous setting mode.


Air filter detection, replacing the reminding function

As the machine running, as long as the fan in operation, the control system will automatically memory accumulated use time, when up to 970 hours accumulated use time, permeability of the machine will start HEPA filter detection of the air inlet, each test time is 10 minutes (when detecting all the buttons are locked cannot operate, while the air quality indicator in the flashing as detection and prompt), then each of a total of 10 hours of operation and test once, if 4 consecutive testing are to judge the HEPA filter blockage, machine stop detection action above, screen icon  flashes, remind the user to replace the HEPA filter in time (machine can still be normal operation, working)



If the machine running the process, are detected by HEPA filter permeability are normal, the cumulative running time up to 5000 hours, the machine directly determine HEPA filter needs to be replaced, the filter icon  flashes, remind the user to replace the HEPA filter in time.

When the user to replace the new HEPA filter, the original screen accumulated use time need to reset. The machine is in operation, the filter icon  flashes, touch the button  for 5 seconds, buzzer alarm, screen icon is extinguished, the machine restart time of the next cycle.

Warning:

- 1: filter icon  flashing prompt, please replace the HEPA filter in time!
- 2: if you did not replace the HEPA filter, please do not reset cumulative time screen, so as not to forget the replacement of the new HEPA filter, and cause the machine to malfunction and work even have dangerous!
- 3: The prohibition of long time run the machine without with HEPA filter has been installed, so as to avoid to increase the load of fan failure caused.

Automatic Defrosting


- When the machine is drying operation in the low temperature environment, the surface of the evaporator may frost, in order to ensure the normal operation of the machine, machine is provided with an automatic defrosting function. When defrosting end, it will display icon  icon out .
- When the temperature is less than or equal to the fixed in the evaporator tube machine 0°C, the machine will enter the automatic defrosting process, namely the machine continuous dehumidification operation after 35 minutes, 12 minutes will be used to start the automatic defrost the compressor stops running, fan operation in high speed. In addition, with 12 minutes for defrosting, the copper tube down to 2°C, dehumidification are restarting to previous setting of the machine.



Symbol of defrost displayed on LCD, the compressor is shut off, fan runs at high speed.

If in the defrosting within 12 minutes, the detected temperature is more than or equal to 10°C with copper tube evaporator, simultaneous detection of room temperature higher than 10°C, defrost start end dehumidification function going to restore the original settings of running machine (**Note: only dehumidifying operation has this function**)

Protection Of Water Tank Full

When the machine is arranged in dehumidifying operation, it will detect the water tank water level is it reaches the set height, then the buzzer will alarm and water filled icon lights  , the machine stops at the same time running.



Remove the water tank, drained at the water, and then put back into the machine, water full icons is extinguished, the machine will resume previous function if you put back the water tank within 3 minutes, otherwise dehumidifying function will not start. **(Note: only dehumidifying modes has this function)**

Warning: if the water tank is filled with dirty or a foreign matter, buoy cannot detect water level and a buoy cannot work property, May the water tank is keeping fill up water without stopping machine, thereby causing leakage pullout to the floor. Please clean the water tank and the buoy in time.

Processions Of Abnormal Compressor Loading


- Compressor delay start function

During the operation, any malfunction forced compressor failed, resulting compressor shut off, it takes 3 minutes to rework for protection period.

The machine is working in the drying operation, if the compressor stops working, and immediately restart, cooling system pressure will not be balanced, easy to lead for overload protection. The machine is equipped with the compressor delay start for 3 minutes restart function. In 3 minutes, the machine stops dehumidification, dehumidification icon  flashes. After 3 minute, if the machine started to resume dehumidification, dehumidification icon  stops flashing.

(Note: only dehumidifying modeshas this function)

Room Temperature indication

The machine is working, press the button  for 5 seconds, the original display the humidity value of the digital display shows the current temperature, after 8 seconds to turn display the humidity.

High temperature casts fan speed function

Dehumidification under high ambient temperature, set in the low fan speed operation will possible overload of the compressor and stop the dehumidification, the machine is setting with a high temperature environment will shift low fan speed into the higher fan speed operation, the original settings will be restored after the ambient temperature drops back to acceptable level.


Concrete translation as follows: T: represents the ambient temperature RH: representation of environmental humidity

1. $28 < T < 32$ c and RH = 75%, 1, 2 speed set dehumidification cast to 3 speed, other gears remain unchange.
2. when T is greater than 32, set 1, 2, 3 speed dehumidification cast to 4 speed, other gears remain unchange.

The normal operation of the wind speed

Operation mode	Fan speed	Fan speed serial No	Fan rotate speed (rpm)	mark
air purification	Auto	①-②-③-④-⑤	300-650-900-1050-1250	
	1speed	①	300	
	2speed	②	650	
	3speed	③	900	
	4speed	④	1050	
	5speed	⑤	1250	
Dehumidifier	Auto	⑥-⑦-⑧-⑨	550-650-750-900	
	1speed	⑥	55	
	2speed	⑦	650	
	3speed	⑧	750	
	4speed	⑨	900	
	drying	⑩	1000	


High temperature casts fan speed function

When sensor detected ambient temperature is $\leq 3^{\circ}\text{C}$ or $\geq 40^{\circ}\text{C}$, as to protect the unit which will shut off automatically and beeper continuous flashing  signals. Fan maintains the original operation.

When sensor detects the environment temperature is greater than or equal to 5°C or less than or equal to 38°C , the machine run recovery dehumidification, dehumidification icon stop flashing (compressor protection and then delay start for 3 minutes)

*(Only works under dehumidifying operation modes)

Low humidity safety protection function

The machine detects the humidity of the environment humidity is less than or equal to 30%, double eight indicates Lo, dehumidification icon  flashes, the machine stops dehumidification operation (i.e., compressor stop working), the fan maintains the original setting operation. The machine detects ambient humidity, is greater than or equal to 32%, double eight indicator light will show the actual humidity, machine resume working (compressor protection relay start for 3 minutes)

The machine detects ambient humidity is greater than or equal to 91% RH, double eight display indicates Hi, machine resumes the default setting.

(Note: only work under dehumidifying operation mode)

The fault detection function

1. The machine is arranged in the drying operation, sensor detect body and circuit abnormal condition.

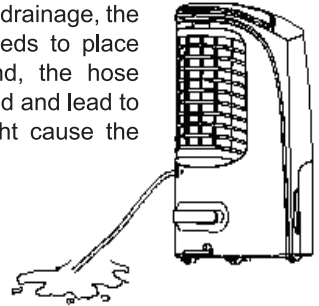
When the machine detects a evaporator temperature sensor failure (open circuit, short circuit), the machine stops running, while the digital display shows C1 and flashing. Press key will not work. Relieving method: need restart the machine or power on after troubleshooting.

2. When the machine detect environmental temperature fault (open circuit, short circuit), temperature and humidity sensor detecting connection line loose, the machine stops running, the digital display shows C2 and flashing, press any button will not useful, power off and then restart or power on after troubleshooting.
3. The machine in operation detects a DC motor stopped running after 15 seconds, while the digital display shows C7 and flashing. Power on after troubleshooting.
4. Refrigerant leakage detection: If the refrigeration system fails to cooling, it might cause by the refrigerant leakage. The temperature of the evaporator will rise and close to the ambient temperature. The compressor keeps working, every 8 minutes system will detect both temperature value and the evaporator temperature value. If two consecutive testing to the environment temperature and the temperature of the evaporator falls at the difference is less than or equal to 3°C, said refrigerant cooling system leaks, the machine stops running at the same time, digital display, display C8 and flashing. This requires power on after troubleshooting. **(Note: No test performance when the compressor stops working)**

Continuous Drainage

When the machine needs continuous drainage, connect with a diameter 12mm length flexible hose throughout the rear shell drainage hole. Water tank will not store water and the machine keeps working without water tank inserted.

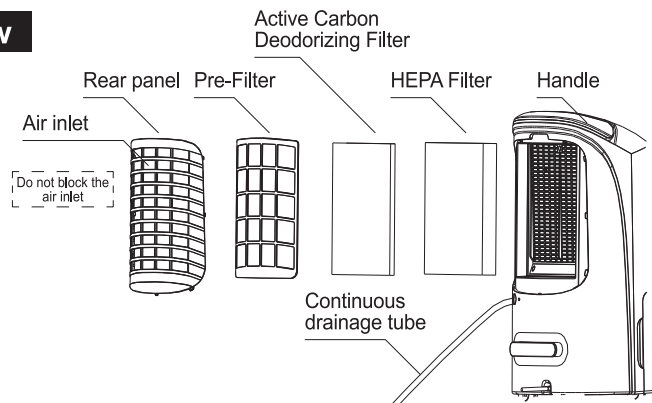
For continuous drainage, the flexible hose needs to place on flatly ground, the hose cannot be folded and lead to upward. It might cause the drainage failure.



Maintenance & Cleaning

- For its casing is made of plastic, do not place it in direct sunlight.
- Remove the water tank with care.
- If not using the unit for a long time. Please switch off and unplug the unit, empty the water tank, and pack it after 2 days, then, keep it in dry and ventilated place.
- Only use a soft clean cloth for all cleaning purpose. Do not use gasoline, paint thinner or other chemicals to clean the unit.
- Cleaning mesh filter: To remove the filter in arrow direction (as shown on figures). Use a vacuum cleaner or water to clean, then put it in ventilated place until it's dry.

Back View



Features

Performance data		
Model		PDA22WWX
Rated voltage		220~240V/50HZ
Dehumidification	Dehumidification	22L/D (30°C 80% RH) 12.68L/D (26.7°C 60% RH)
	Power consumption	285W
	Dehumidification air flow rate	Fan 1: 90 m ³ /h Fan 2: 110 m ³ /h Fan 3: 135m ³ /h Fan 4: 170 m ³ /h Dry clothing: 200 m ³ /h
	Energy Efficiency	1
Air purifying	Power consumption	Fan 1: 7w Fan 2: 10w Fan 3: 18w Fan 4: 23w Dry clothing: 26w
	Air Purifying flow rate	Fan 1: 40 m ³ /h Fan 2: 115 m ³ /h Fan 3: 170 m ³ /h Fan 4: 200 m ³ /h Dry clothing: 270 m ³ /h
	CADR rate	250 m ³ /h (Air purifying with Fan 5)
Refrigerant	R134a 150 g	
Tank capacity	4 Litres	
Product size	617(H) x 343(W) × 300(D) mm	

* The final product specification may be varied according to a different lot of material and actual input voltage power of the usage area.

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your us device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.



請記錄下列產品資料

● 型號

● 機身編號

● 經銷商名稱

● 購買日期

本產品不斷改進中，如功能有所更改，恕不另行通知，如有疑問，請與客戶服務中心聯絡，不便之處，敬請原諒。

說明書內容以英文版本為準

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