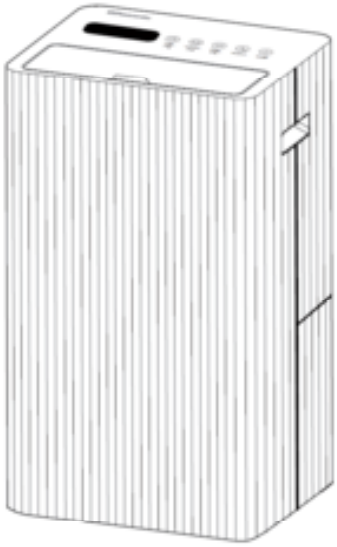
Rasonic 樂信牌

抽濕機 Dehumidifier

型號：RPD-Y17/BG
RPD-Y17/BU
RPD-Y17/GN
RPD-Y17/GY
RPD-Y17/OR
RPD-Y17/PN
RPD-Y17/YE



使用說明書 Instruction Manual

- 在使用本產品前，請先閱讀說明書，並妥善保存以備參考。

  Please read this instruction manual before using the product and retain it for your future reference.

- 本手冊中的所有圖片僅供參考。

  All the pictures in the manual are for reference only.

重要提示 IMPORTANT NOTE:

本設備使用R290  易燃製冷劑，在操作前請仔細閱讀本說明書。

This appliance is using R290  flammable refrigerant. Read this manual carefully before operating.

如需對本產品進行維修或保養，請聯絡樂信牌授權維修技術人員。

Contact Rasonic authorized service technician for repair or maintenance of this product.

抽濕機

Dehumidifier

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安全注意事項

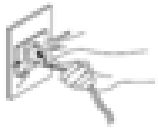
為確保您的安全，並減少受傷或觸電的風險，須遵守以下所有安全注意事項。

1. 須確保電源電壓正確 ：220-240 伏特，50 赫茲。
2. 本產品僅適用於室內使用。本產品旨在提供最佳性能，建議在環境溫度不超過 35℃ 且不低於 5℃ 的情況下使用。
3. 為了防止觸電，切勿將本產品放置在窗戶附近或浴室內。
4. 不要將機器放置在能產生高溫的家電附近，因為高溫可能損壞塑膠，及引起火災；也不要在有爆炸性或腐蝕性環境中使用；也不要在陽光下暴曬，以免外殼變形、變色。
5. 此設備可由 8 歲以上的兒童和體質、感覺或心智能力不足或是缺乏經驗與知識人士使用，但他們須了解其相關的風險。兒童不應把玩設備。兒童不應在無人監管下獨自進行清潔與進行保養。
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。
7. 切勿在傾斜狀態下操作機器。一旦機器傾倒，應立即拔掉電源插頭。機器移動後，建議靜置最少 2 小時再使用。
8. 須確保機器四周留有 30 釐米的空間。
9. 確保進風口或出風口暢通無阻。
10. 不要將水噴灑到機器上，以免引起機器故障或觸電。

11. 手濕不要拔電源插頭，以免觸電。
12. 拔出電源插頭前要先關機，以免出現觸電或電弧。

13. 若長時間不使用，應關機拔掉電源插頭，以及倒掉水箱裡的水並擦拭乾淨。

14. 不要用力拉扯電源線，以免損壞電源線。



15. 禁止將手指或其他物件插入進風口或出風口內。

16. 清潔產品前，須關閉電源並拔出插頭，否則將會引致電擊或造成傷害。

17. 切勿飲用或使用回收水。回收水含有害物質會危害您的身體健康。

18. 若電源線受損，為避免危險，必須由信興電器服務中心有限公司進行更換。切勿自行拆卸機器、進行修理或調整。

19. 除非有人持續看管，否則切勿讓身體、感官或精神能力有缺陷，或缺乏經驗和知識的人士（包括兒童）使用該設備。

20. 警告! 切勿使用製造商建議以外的方法加速除霜程序或進行清潔。

21. 設備應存放在無持續運作的點火源的房間內。（例如：明火、運作中的燃氣設備或運作中的電加熱器）

22. 注意! 製冷劑可能不含任何氣味。

23. 機器運行時，禁止用手及細小杆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。

24. 在低溫高濕的冬季，將機器運行模式設定為乾衣模式。（乾衣模式不受相對濕度控制，可連續運行）

注：在乾燥衣物的時候切勿將衣物懸掛於出風口正上方，防止水從出風口滴進機內，避免發生故障。

25. 因本機採用噴漆處理，推拉水箱時可能造成表面漆面脫落，屬正常現象。

使用 R290 製冷劑的家電附加警告

（請參閱銘牌確認使用的製冷劑類型）

使用本設備之前，請務必仔細閱讀本說明書。

- R290 製冷劑符合歐洲環保指令。本機器含有約 60 克 R290 製冷劑。
- 切勿刺破或燃燒本設備。
- 維護和維修必須在專門使用可燃性製冷劑的人員監督下進行並需要合格人員協助維護和維修。
- 任何參與冷凍迴路工作或維修的人員應持有業界認可的評估機構/製造商/代理商所頒發的有效證書，證明其具備安全處理製冷劑所需的資格。

含有 R290 製冷劑的設備維修說明

1. 現場檢查

在開始對含有可燃性製冷劑的系統進行維修之前，必須進行安全檢查，以確保將點燃風險降至最低。對於製冷系統的維修，必須在進行系統操作之前遵守以下預防措施。

作業程式

工作應在受控程式下進行，以最大程度地減少工作期間出現易燃氣體或蒸汽的風險。

2. 一般工作區域

所有維修人員和在當地工作的其他人員都應瞭解所進行工作的性質。應避免在密閉空間內工作。工作區周圍的區域應分隔開。通過控制易燃材料，確保該區域內的狀況安全。

3. 檢查是否有製冷劑

在工作之前和工作期間，應使用適當的製冷劑檢測器檢查該區域，以確保技術人員瞭解潛在的易燃環境。確保所使用的洩漏檢測設備適用於易燃製冷劑，即無火花、充分密封或本質安全。

4. 配備滅火器

如果對製冷設備或任何相關部件進行任何熱加工，應準備好合適的滅火設備。在充注區附近放置一個乾粉或二氧化碳滅火器。

5. 無火源

任何人在可能暴露於含有或曾經含有易燃製冷劑的任何管道工程的製冷系統上執行操作時，不得以可能導致火災或爆炸風險的方式使用任何點火源。所有可能的火源，包括吸煙，都應遠離安裝、維修、拆卸和處置場所，在此期間，易燃製冷劑可能會釋放到周圍空間。在開始工作之前，應檢查設備周圍的區域，以確保沒有易燃危險或著火風險。應張貼 "**禁止吸煙**" 標誌。

6. 通風區域

在進入系統或進行任何高溫作業之前，必須確保工作區域是開放的，或通風良好。在工作期間，通風應持續進行。通風應能安全地分散任何釋放的製冷劑，最好是將其排放到外部大氣中。

7. 製冷設備檢查

更換電氣元件時，必須確保其符合要求並符合正確的規格。始終遵循製造商的維護和服務指南。如果有疑問，請諮詢製造商的技術部門尋求幫助。對於使用可燃性製冷劑的安裝，需進行以下檢查：

-充注量與含製冷劑部件安裝房間的大小一致；

-通風設備和排氣口應正常運行且無阻塞。

8. 電氣設備檢查

電氣元件的維修和維護應包括初始安全檢查和元件檢查程式。如果存在可能危及安全的故障，則在妥善處理之前，不得將電源連接到電路。如果故障不能立即糾正，但需要繼續運行，則應採用適當的臨時解決方案。應將情況報告給設備所有者，以便通知所有各方。

初步安全檢查應包括：

-確保電容器已放電；應以安全的方式進行，避免引發火花；

-在充注、回收或排空系統時，沒有帶電的電氣元件和線路暴露在外；

-確保接地連接持續有效。

9. 密封組件的維修

在修理密封元件過程中，在拆除密封蓋等之前，應將所有電源與正在工作的設備斷開。如果在維修過程中必須為設備供電，則最關鍵的點應有永久運行的洩漏檢測形式，以警告潛在的危險情況。

應特別注意以下事項，以確保在對電氣元件進行操作時，不會改變外殼從而影響防護等級，包括電纜損壞、連接數量過多、端子不符合原始規格、密封件損壞、壓蓋安裝不正確等。

確保密封件或密封材料未老化，以至於無法有效防止可燃性氣體進入。更換的零件應符合製造商的規格。

注意：使用矽膠密封劑可能會影響某些類型的洩漏檢測設備的有效性。本組件在處理之前不必隔離。

10. **本組件維修**

切勿在電路上施加任何永久性電感或電容負載，除非確保不會超過所用設備的允許電壓和電流。

11. **佈線檢查**

檢查佈線是否會受到磨損、腐蝕、過度壓力、振動、鋒利邊緣或任何其他不利環境因素的影響。檢查還應考慮老化或持續洩漏的影響。不得使用鹵素燈（或任何其他使用明火的探測器）。

12. **可燃性製冷劑的檢測**

在尋找或檢測製冷劑洩漏時，絕對不能使用任何潛在的火源。不得使用鹵化物火炬（或任何其他使用明火的探測器）。

13. **洩漏檢測方法**

以下洩漏檢測方法適用於含有可燃性製冷劑的系統：

應使用電子洩漏探測器檢測可燃性製冷劑，但其靈敏度可能不夠，或者需要重新校正。（檢測機器應在無製冷劑的區域進行校正。）確保探測器不是潛在的火源，並且適用於所使用的製冷劑。洩漏檢測設備應設置為製冷劑的LFL(最低可燃濃度)百分比，並應根據所使用的製冷劑和相應的氣體百分比（最多為25%）進行校正。

洩漏檢測液適用於大多數製冷劑，但應避免使用含氯的清潔劑，因為氯可能與製冷劑反應，腐蝕銅管道。

如果懷疑存在洩漏，應移除或熄滅所有明火。

如果發現冷媒洩漏而需要燒焊，應從系統回收所有製冷劑，或隔離（透過關斷閥）在遠離洩漏處的系統部分。

14. 拆卸和排空

當進入製冷劑迴路進行維修或其他目的時，應遵循常規操作程式。然而，由於易燃性是一個考慮因素，必須遵循最佳操作規範。應嚴格按照以下程式進行操作：

移除製冷劑；

使用惰性氣體清洗迴路；

排空；

再次使用惰性氣體清洗；

通過切割或燒焊打開迴路；

製冷劑充填應回收到正確的回收氣瓶中。系統應用氧氮混合氣（OFN）沖洗，確保機器安全。此過程可能需要重複數次。不得使用壓縮空氣或氧氣進行此程式。

沖洗應是使用 OFN 破壞系統中的真空並繼續充填直到達到工作壓力，然後排放至空氣中，最後抽真空。此過程應重複，直到系統內沒有製冷劑為止。使用最終 OFN 充填時，應將系統排放至大氣壓力以便進行作業。如果要對管道進行燒焊作業，此操作絕對有必要。確保真空泵的出口未靠近任何火源且通風良好。

15. 充填程式

除常規充填程式外，還應遵循以下要求：

-確保在使用充填設備時不會發生不同製冷劑的污染。管道或軟管應盡可能短，以儘量減少其中的製冷劑含量。

-氣瓶應保持直立。

-在充填製冷劑之前，確保製冷系統接地。

-充填完成後，應對系統進行標記（如果尚未標記）。

-在充填製冷劑時應特別小心，不得使製冷系統過度充注。

在重新充填系統之前，應使用氧氮混合氣（OFN）對系統進行壓力測試。系統應在充注完成後試運轉之前進行洩漏測試。離開現場前，應再次進行洩漏測試。

16. 停用

在執行此程式之前，技術人員必須完全熟悉設備及其所有細節。建議的良好做法是確保所有製冷劑安全回收。執行此任務之前，應取得油和製冷劑樣本，以防在重複使用回收的製冷劑前需要分析。

確保在開始程式之前電源已連接。

a) 熟悉設備及其操作。

b) 斷開系統電源。

c) 在進行操作之前，確保以下事項：

可正確使用機械搬運設備；

回收過程應始終由合格的人員進行監督；

回收設備和氣瓶符合相應標準。

d) 如果可能，將製冷系統抽成真空。

e) 如果無法抽真空，製作歧管，以便從系統的各個部分排出製冷劑。

f) 在回收之前，確保氣瓶置於秤上。

g) 啟動回收機器，並按照製造商的說明操作。

h) 請勿過度填充氣瓶（不超過 80% 容積液體充填量）。

i) 即使是暫時性的，也不得超過氣瓶的最大工作壓力。

j) 當氣瓶已正確填充且回收過程完成後，務必確保氣瓶和設備及時從現場移除，並關閉設備上的所有隔離閥門。

k) 回收的製冷劑在未經過清潔和檢查之前不得充注其他製冷系統中。

17. 標示

設備應貼上標籤，注明已停用並且已排空製冷劑。標籤應注明日期並簽名。

18. 回收

在從系統中移除製冷劑時，無論是為維修還是停用，建議將所有製冷劑回收至氣瓶中，並確保僅使用適當的製冷劑回收氣瓶。確保有足夠數量的氣瓶來容納系統的總充注量。所有使用的氣瓶應標明用於回收製冷劑，並注明該製冷劑（即專門用於回收製冷劑的氣瓶）。氣瓶應配有壓力釋放閥和相關的切斷閥，並確保其處於良好的工作狀態。空的回收氣瓶應進行抽空，並在回收前盡可能冷卻。

回收設備應處於良好工作狀態，配備相關使用說明，並且應適合回收易燃製冷劑。

此外，應提供一套校準過的計重秤，並確保其正常工作。軟管應配備無洩漏的分離式接頭，並保持良好狀態。在使用回收機器之前，檢查其是否處於正常的運作狀態，是否進行了適當的維護，並且所有電氣元件都應密封，以防止在製冷劑洩漏時引發火災。如有疑問，諮詢製造商。

回收的製冷劑應退回給製冷劑供應商，使用正確的回收氣瓶，並安排相關的廢棄物轉運單。切勿在回收單元中混合製冷劑，特別是不要將其混合在

氣瓶中。

如果需要移除壓縮機或壓縮機油，應確保已將其抽空至可接受的程度，確保易燃製冷劑不再殘留在潤滑油中。抽空過程應在將壓縮機退回供應商之前完成。只能採用對壓縮機本體進行電加熱來加快此過程。從系統排油時，應以安全的方式進行。

19. 含易燃製冷劑設備的運輸

應依據當地法例進行。

20. 廢棄設備含易燃製冷劑

應參照國家法規。

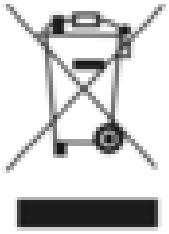
21. 機器/家電的存儲

設計的存儲應按照製造商的說明及依據當地法規執行進行。

22. 存儲未售出的設備

包裝儲存保護應構建得當，確保設備在包裝內不受機械損害，避免製冷劑洩漏。允許一起存儲的設備數量將由當地法規決定。

23. 棄置設備



該標記表明該產品不應與其他生活垃圾一起處理。為了防止不受控制的廢棄物處置可能對環境或人類健康造成危害，負責任地回收廢棄物，以促進物質資源的可持續再利用。若要退回曾使用的設備，可使用退貨和收集系統或聯絡出售該產品的零售商。他們可以將該產品進行環保回收。除濕機是受管制電氣設備（REE）之一，其處置應遵循當地法規。

使用環境

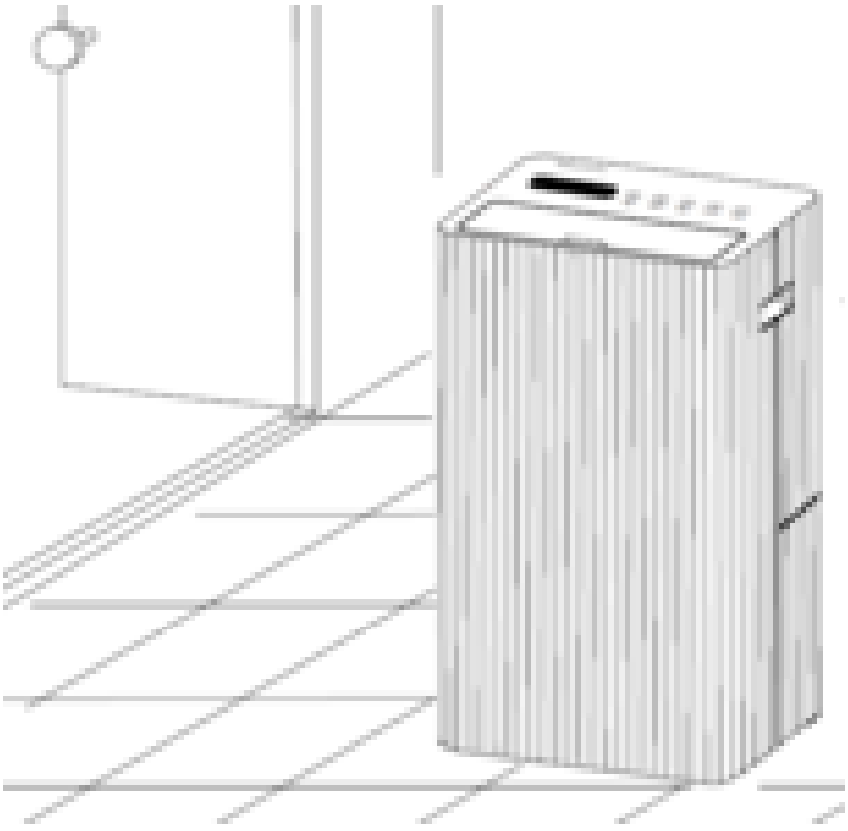
1. 工作環境：溫度 5℃-35℃

2. 本機最適合客廳，書房、辦公室、倉庫、地下室以及地下車庫等室內環境使用。

3. 使用本機時，確保所有門窗都已關閉，以達到最高效率。

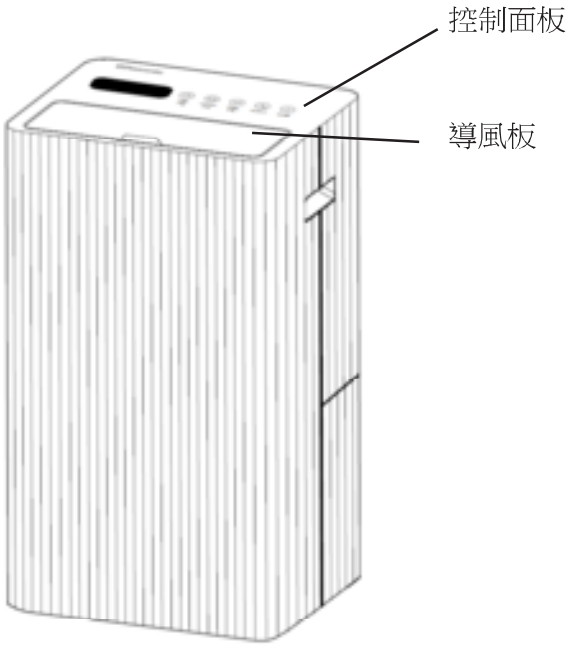
4. 將機器放置在穩固平坦的地面上使用，以免導致過大的震動而產生噪音。機體不可傾斜放置，以免除濕水溢出或機器傾倒。

5. 根據 IEC 60335-2-40, 載有 0.152 公斤以下製冷劑的抽濕機不設房間面積限制。

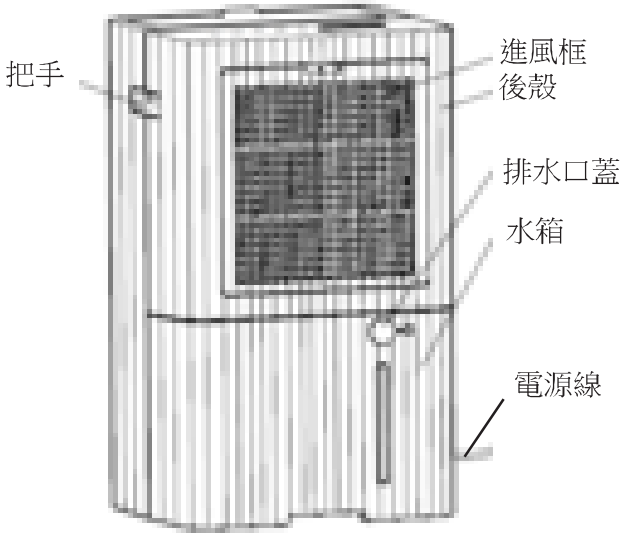


產品部件名稱

前視圖



後視圖



操作說明

(POWER)開/關鍵：按下此鍵，設備進入運行狀態或待機狀態。

(HUMIDITY)濕度鍵：按下此鍵可設置目標除濕濕度值，數碼管會顯示當下環境濕度，可設置該目標值在 CO，40%-70%之間循環設定。

(SPEED)風量鍵/夜間模式：按下此鍵可設置風速，包括強檔(H)和弱檔(L)(只適用於除濕模式)。長按 3 秒風量鍵，可設置機器的夜間功能的開啟或關閉。

(LAUNDRY)乾衣鍵/自動擺風模式：按下此鍵可設置乾衣功能。長按 3 秒乾衣鍵，可設置機器導風板的自動擺風功能開啟或關閉。

(TIMER)定時鍵/童鎖功能：按下此鍵可設置定時關機（0 小時至 8 小時）。長按 3 秒定時鍵，可設置機器的童鎖功能的開啟或關閉。

指示燈說明：

- **衣類乾燥指示燈：**此指示燈點亮表示機器已經開啟乾衣功能。
- **夜間模式指示燈:**此指示燈點亮表示機器已經開啟夜間模式功能。長按風量鍵 3 秒，蜂鳴器響一聲，夜晚模式功能開啟，同時夜間模式指示燈亮起，機器在夜間模式工作時數碼管及 LED 燈以 50%的亮度點亮、按鍵和滿水都沒有蜂鳴器響聲、風速為 L 弱檔，包括在乾衣功能下。再次長按風量鍵 3 秒可解除夜間模式功能，蜂鳴器響兩聲，同時夜間模式指示燈熄滅，數碼管及 LED 燈以 100%的亮度點亮，返回原設置。
- **定時指示燈：**此指示燈點亮表示機器已經開啟定時功能。可設置定時關機（0 小時至 8 小時）
- **童鎖指示燈：**此指示燈點亮表示機器已經開啟童鎖功能。長按定時鍵 3 秒，蜂鳴器響一聲，童鎖功能開啟，同時童鎖指示燈點亮，此時只有開/關鍵和長按定時鍵有作用，其它按鍵操作均無效，按任何按鍵都不起作用，也沒有蜂鳴器響聲。再次長按定時鍵 3 秒可解除童鎖功能，蜂鳴器響兩聲，同時童鎖指示燈熄滅。
- **數碼管：**顯示目標除濕濕度值。
- **滿水指示燈：**此指示燈點亮表示機器水箱水滿停機（紅色燈）。

機器記憶功能：

- 按開/關鍵(POWER)關機後不斷電，再重新開機，機器會記憶關機前的工作模式（若此時開啟了定時功能、童鎖，定時功能、童鎖不被記憶，其餘功能恢復關機前工作模式）。

水滿自動停機功能：

- 當機器檢測到水箱水位達到設定高度，蜂鳴器將發出警報，滿水指示燈點亮，同時整機停止運行，導風板自動關閉。取出水箱，將水倒掉，再放回水箱，機器將按滿水前的設置狀態重新開機運行。

自動除霜功能：

- 當抽濕機於低溫環境運作時，為保護製冷系統，自動除霜功能會啟動。若溫度感應器感應到蒸發器的銅管溫度低於或等於0°C時，壓縮機連續工作40分鐘後停止，機器進行除霜，風扇高檔運作，其他顯示保持原狀態。待溫度感應器感應到蒸發器的銅管溫度高於或等於2°C和機器除霜時間多於或等於12分鐘，壓縮機才能啟動運作，然後機器開始除濕。

壓縮機延時啟動功能：

- 壓縮機停止後，如果立即再啟動，因製冷系統壓力未平衡，容易啟動機器超載保護功能。因壓縮機設有延時3分鐘啟動功能，開機後壓縮機會延時3分鐘後啟動。

超溫安全保護功能：

- 機器檢測到環境溫度低於3°C或高於40°C，機器停止除濕運行，風速仍維持原來的風速設置運轉。機器檢測到環境溫度在5°C或38°C之間，機器恢復除濕運行（壓縮機再啟動時需達到延時5分鐘啟動的保護時間）。

高溫下強制風機轉速轉換功能：

- 抽濕機在高溫環境下除濕運行，低風速檔運行會令壓縮機負載加重，故高溫環境下除濕時，機器會自動將低風速檔切換到高風速檔，待環境溫度下降後，再恢復原來設置的風速檔位運行。

維護與保養

- 使用濕潤的海綿擦拭機器表面，隨後用乾淨的軟布擦乾。
- 避免使用酒精或含有溶劑的清潔產品。
- 切勿將機器浸入水中清洗。

- 本產品外殼為塑膠製品，避免陽光直射。
- 取出水箱時，需輕拿輕放。
- 保持進風框的清潔。取出進風框，用吸塵器清潔或用水沖洗後，放於通風處晾乾。

進風框

- 清潔及其他維護前，將電源插頭拔掉。
- 移動機體前，關機並拔下電源插頭，將水箱水倒掉。
- 長期不用時，將電源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。存放時將機體立放，切勿橫放和倒放。

故障代碼

故障代碼	故障	故障原因
C1	蒸發器 NTC	蒸發器 NTC≥ 40℃
C2	環境溫度傳感器 NTC	環境溫度≤0℃/≥40℃
C7	主摩打故障	摩打堵塞/開路

故障排除指南

在聯繫技術支援之前，請檢查以下項目：

問題	檢查清單
機器無法運行	☐ 確保電源插頭已完全插入插座中。 ☐ 檢查抽濕機是否已達到設定濕度，或水箱是否已滿。 ☐ 確認水箱是否放置正確。

抽濕效果不佳	☐ 確保機器已運行足夠時間以去除濕氣。 ☐ 檢查進風口或出風口是否有障礙物阻擋。 ☐ 環境濕度可能低於設定濕度。 ☐ 確保所有門窗及其他開口已完全關閉。 ☐ 室內溫度可能過低，低於 5°C（41°F）。
噪音過大	☐ 確保機器放置在穩定、平整的表面上。 ☐ 定期清潔進風框。

如遵從以上方法處理仍然無法解決問題，應立即停止使用並聯絡信興電器服務中心有限公司進行檢查及維修。

產品規格

型號	RPD-Y17/BG RPD-Y17/BU RPD-Y17/GN RPD-Y17/GY RPD-Y17/OR RPD-Y17/PN RPD-Y17/YE	藍綠色 藍色 綠色 灰色 橙色 粉紅色 黃色
額定電壓及頻率	220-240 伏特 ~ 50 赫茲	
抽濕量	9 升/每日 (26.7℃/60%RH) 17.5 升/每日 (30℃/80%RH)	
消耗功率	185 瓦 (26.7℃/60%RH)	
額定功率	250 瓦 (35℃/80%RH)	
製冷劑	R290（60 克）	
水箱容量	2. 9 升	
產品尺寸(闊 x 深 x 高)	290×240×525 毫米	
淨重	14. 7 公斤	

特別聲明

1. 本資料上所有內容經過認真核對，如有任何印刷及內容上的誤解，本公司將保留解釋權。
2. 本產品若有技術改進，會編進新版說明書中，恕不另行通知；產品外觀及顏色如有改動，則以實物為準。
3. 使用說明書的電子副本可以通過電子郵件發送致客戶。如有需要，請致電信興電工工程有限公司：2861 2767。

售後服務

由購買日期起之一年保修期內，經信興電器服務中心有限公司之服務人員證實乃在正常使用之情況下發生者，本公司將提供免費修理及更換零件。經更換之任何損壞零件，將歸屬本公司。保修範圍不包括修理或更換產品之附件、外接線、水箱或機殼等，如有需要服務時，用戶須另付費用。

用戶請於維修時出示購買收據 / 換購收據及保修證，如有任何疑問，請致電信興電器服務中心有限公司熱線查詢：2406 5666。

如在保修證內所列之電器：1)曾經被非本公司技術人員明顯地或非明顯地進行改裝、更改或修理；或 2)曾經被錯誤或不適當或疏忽使用、或因液體浸蝕、水濺、不正常供電、天災、意外或外來因素造成損壞；或 3)並非安裝在陸上固定地點；或 4)不當安裝位置影響正常操作；或 5)非工商業用型號產品，被用作工商業用途；或 6)用戶搬遷地址或更換物主而未能及時通知信興電器服務中心有限公司者，本保修證將自動失效。

Safety Warnings

For your continued safety and to reduce the risk of injury or electric shock, please follow all the safety warnings listed below.

1. Ensure your electricity is correct—220-240V, 50Hz.

2. This appliance is for indoor use only. The appliance is designed to provide an optimum performance not recommended to operate in ambient temperatures exceeding 35℃ or lower than 5℃.

3. To protect against electrical shock, do not place it near the window or in the bathroom.

4. Ensure the unit is positioned away from high-temperature appliances to prevent plastic damage and fire hazards. Do not operate the unit in explosive or corrosive environments. Do not use in places exposed to direct sunlight to avoid deform and discolor.

5. This appliance is suitable for use by children aged 8 years and older, as well as individuals with reduced physical, sensory, or mental capabilities or those lacking experience and knowledge, provided they have received proper supervision or instruction on safe usage and understand associated hazards. Children should not play with the appliance, and any cleaning or user maintenance tasks should be supervised when performed by children.

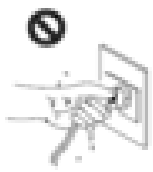
6. Operate this unit on a flat surface to minimize vibration and noise.

7. Do not operate the unit when tilted. If the unit is toppled over, immediately unplug it. After moving the unit, it is recommended to let it sit for 2 hours before using it again.

8. Ensure a clear space of 30 cm on all sides of the unit.

9. Ensure that both the inlet and outlet ventilation always remain unobstructed.

10. Avoid spraying water on the unit, as it may lead to malfunctioning and electric shock hazards.

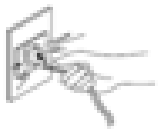


11. Never pull the plug by using damp hands, otherwise, it may cause electric shock.

12. Always switch off the unit before unplugging to prevent electric shock or arcing.

13. When the unit is not used for an extended period, remember to switch off, unplug, empty the water tank and wipe it clean.

14. Do not pull the power cable forcefully, as it may cause damage.



15. Never insert fingers or any other objects into the unit's openings.

16. Before cleaning, turn off the power and unplug the unit. Otherwise, it may cause electric shock or injury.

17. Do not drink or use the water drained from the unit. It contains contaminants and could make you sick.

18. If the supply cord is damaged, it must be replaced by Shun Hing Electric Service Centre Ltd. in order to avoid hazard. Never disassemble the unit, try to carry out repairs, or adjust the unit yourself.

19. The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

20. WARNING! Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

21. The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance, or an operating electric heater).

22. CAUTION! The refrigerant may be odorless.

23. Do not insert your hands or small, sticky objects into the air inlet or outlet while the machine is running. This may cause contact with live components or rotating impellers, potentially damaging the machine and causing an accident.

24. During winter, when temperatures are low and humidity is high, set the machine to dry mode (dry mode is not controlled by relative humidity and can run continuously).

Note: When drying clothes, do not hang them directly above the air outlet to prevent water from dripping into the machine and causing malfunctions.

25. Since this machine is painted, pushing or pulling the water tank may cause paint peeling on the surface, which is a normal condition

Additional warnings for appliances with R290 refrigerant (refer to the rating label for the type of refrigerant used)

READ THE TECHNICAL MANUAL CAREFULLY BEFORE USING THE APPLIANCE

- R290 refrigerant complies with European environmental directives. This appliance contains approximately 60g of R290 refrigerant.
- Do not pierce or burn the appliance.
- Maintenance and repairs requiring the assistance of other qualified personnel must be carried out under the supervision of specialists in the use of inflammable refrigerants.
- Any person who is involved with working on or repairing refrigerating circuits should possess a valid certificate issued by industry-recognized assessment organizations/manufacturer/agent certifying that they have the necessary qualifications required for handling refrigerants safely.

INSTRUCTION FOR REPAIRING APPLIANCES CONTAINING Refrigerant R290

1. Checks to the area

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimized. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work in the system.

Work procedure

Work shall be undertaken under a controlled procedure so as to minimize the risk of a flammable gas or vapor being present while the work is being performed.

2. General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that

the conditions within the area have been made safe by control of flammable material.

3. Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-spraking, adequately sealed or intrinsically safe.

4. Presence of fire extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO2 fire extinguisher adjacent to the charging area.

5. No ignition sources

No person carrying out work in relation to a refrigeration system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. "**No Smoking**" signs shall be displayed.

6. Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it

externally into the atmosphere.

7. Checks to the refrigeration equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance.

The following check shall be applied to installations using flammable refrigerants:

-the charge size is in accordance with the room size within which the parts containing refrigerant are installed;

-the ventilation machinery and outlets are operating adequately and are not obstructed.

8. Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include;

-that capacitors are discharged; this shall be done in a safe manner to avoid possibility of sparking;

-that there no live electrical components and wring are exposed while charging, recovering or purging the system;

-that there is continuity of earth bonding.

9. Repairs to sealed components

During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc. If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.

Particular attention shall be paid to the following to ensure that by working in electrical components, the casing is not altered in such a way that level of protection is affected. This shall include damage to cables, excessive number of connection, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.

Ensure that seals or sealing materials have not degraded such that they no longer serve the purpose of preventing the ingress of flammable atmospheres. Replacement parts shall be in accordance with the manufacturer's specifications.

NOTE: The use of silicon sealant may inhibit the effectiveness of some types of leak detection equipment. Intrinsically safe components do not have to be isolated prior to working on them.

10. Repair to intrinsically safe components

Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.

11. Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual leaks. A halide torch (or any other detector using a naked flame) shall not be used.

12. Detection of flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

13. Leak detection methods

The following leak detection methods are deemed acceptable for systems containing flammable refrigerants.

Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibrated. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25% maximum) is confirmed.

Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe work.

If a leak is suspected, all naked flames shall be removed/extinguished.

If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system both before and during the brazing process.

14. Removal and evacuation

When breaking into the refrigerant circuit to make repairs or for any other purpose – conventional procedures shall be used. However, it is important that best practice is followed since flammability is a consideration. The following procedure shall be adhered to:

remove refrigerant;

purge the circuit with inert gas;

evacuate;

purge again with inert gas;

open the circuit by cutting or brazing;

The refrigerant charge shall be recovered into the correct recovery cylinders. The system shall be "flushed" with OFN to render the unit safe. This process may need to be repeated several times. Compressed air or oxygen shall not be used for this task.

Flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum. This processing shall be repeated until no refrigerant is within the system. When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. This operation is absolutely vital if brazing operations on the pipe-work are to take place. Ensure that the outlet for the vacuum pump is not close to any ignition sources and there is ventilation available.

15. Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed.

-Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimize the amount of refrigerant contained in them.

-Cylinders shall be kept upright.

-Ensure that the refrigeration system is earthed prior to charging the system with refrigerant.

-Label the system when charging is complete (if not already).

-Extreme care shall be taken not to overfill the refrigeration system.

Prior to recharging the system is shall be pressure tested with OFN. The system shall be leak tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

16. Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure ensure that:

Mechanical handling equipment is available and being used correctly;

The recovery process is supervised at all times by a competent person;

Recovery equipment and cylinders conform to the appropriate standards.

d) If possible, evacuate the refrigeration system.

e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

f) Make sure that cylinder is situated on the scales before recovery takes place.

g) Start the recovery machine and operate in accordance with manufacturer's instructions.

h) Do not overfill cylinders. (No more than 80% volume liquid charge).

i) Do not exceed the maximum working pressure of the cylinder, even temporarily.

j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.

k) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

17. Labeling

Equipment shall be labeled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed.

18. Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge are available. All cylinders to be used are designated for the recovered refrigerant and labeled for that refrigerant (i.e special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of flammable refrigerants.

In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and good condition. Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release. Consult manufacturer if in doubt.

The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.

If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil drained form a system, it shall be carried out safely.

19. Transport of equipment containing flammable refrigerants

Determined by local regulations.

20. Discarded appliances supplies flammable refrigerants

See National Regulations.

21. Storage of equipment/appliances

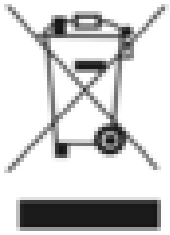
The storage of equipment should be in accordance with the manufacturer's instructions and local regulations.

22. Storage of packed (unsold) equipment

Storage package protection should be constructed such that mechanical damage to the equipment inside the package will not cause a leak of the refrigerant charge.

The maximum number of pieces of equipment permitted to be stored together will be determined by local regulations.

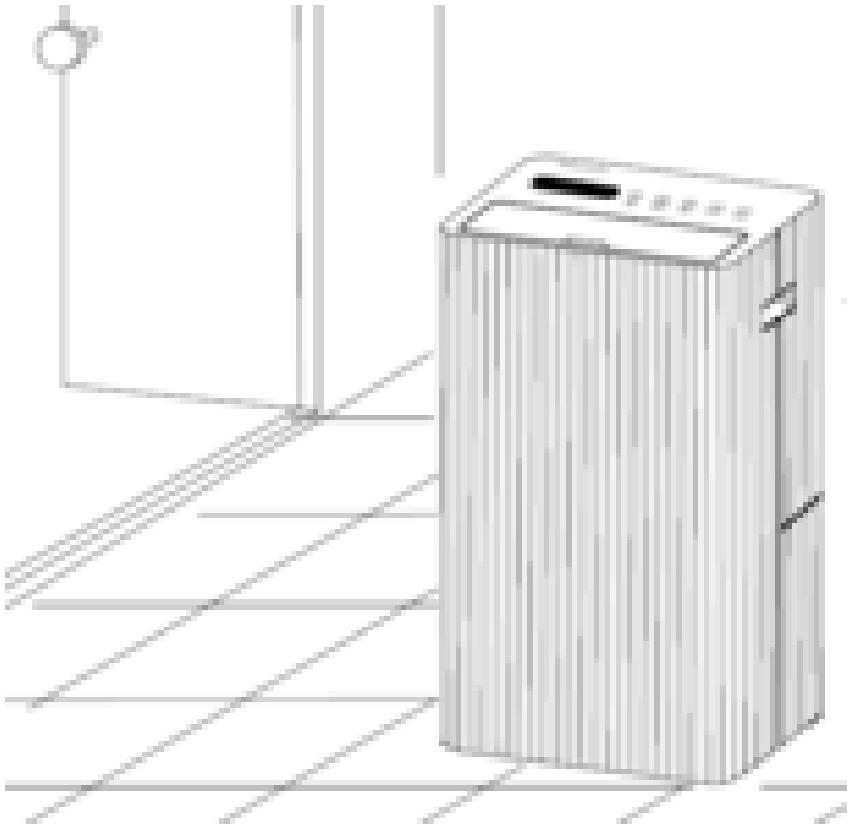
23. Disposal of equipment



This marking indicates that the product should not be disposed with other household wastes. 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 used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling. Dehumidifiers are regulated electrical equipment (REE) and their disposal should follow local regulations.

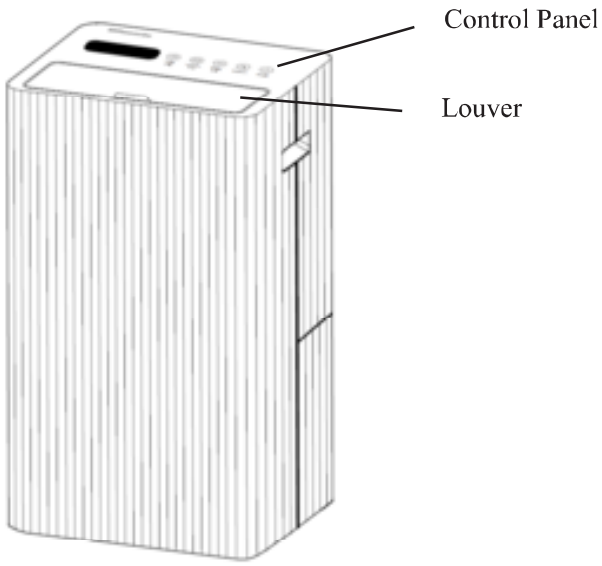
Operation Conditions

1. Operating Environment: Temperature: 5°C-35°C
2. This unit is best suited for indoor use in living rooms, study rooms, offices, warehouses, basements, and underground garages.
3. When using this unit, ensure all doors and windows are closed for maximum efficiency.
4. Place the unit on a stable, flat surface to avoid excessive vibration and noise. Do not tilt the unit to prevent dehumidification water from spilling or tipping over.
5. Based on IEC 60335-2-40, there is no restriction for the minimum installation floor area since the refrigerant charge is less than 0.152kg.

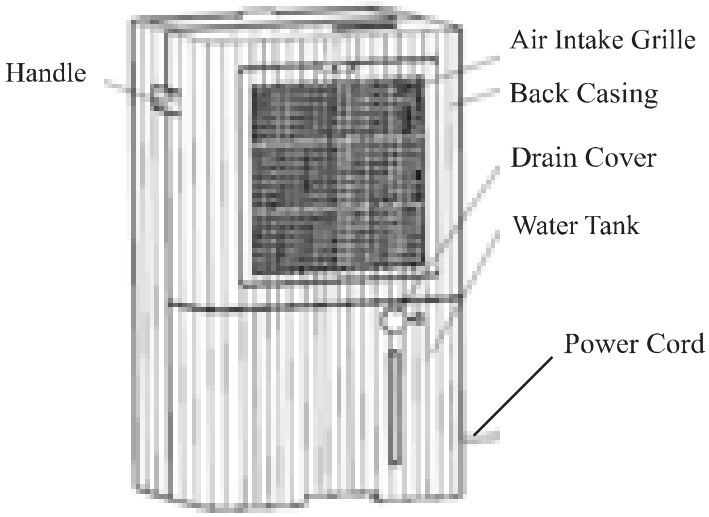


Product Overview

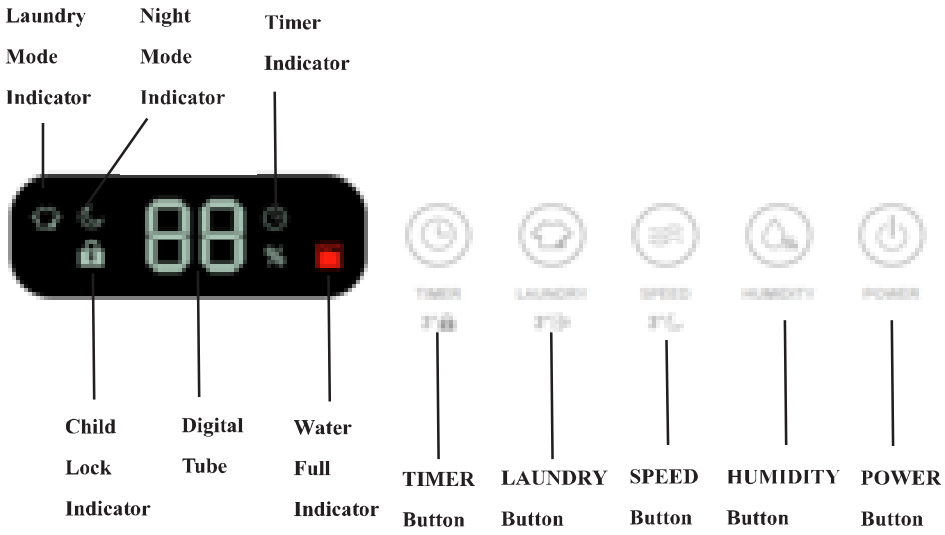
Front view



Back view



Operating Introduction



(POWER) Power Button:

Press this button to turn the device on or off. The device switches between operating and standby modes.

(HUMIDITY) Humidity Button:

Press this button to set the target dehumidification humidity value. The digital tube will display the current ambient humidity, and the target value can be set CO, 40% to 70% in circulation.

(SPEED) Fan Speed Button / Night Mode:

Press this button to set the fan speed, including High (H) and Low (L) (only applicable in Humidity Mode). Press and hold for 3 seconds to turn the Night Mode on or off.

(LAUNDRY) Laundry Button / Auto Swing Mode:

Press this button to activate the Laundry function. Press and hold for 3 seconds to enable or disable the Auto Swing Mode of the machine's louver.

(TIMER) Timer Button / Child Lock Function:

Press this button to set the timer from 0 to 8 hours. Press and hold for 3 seconds to turn the Child Lock function on or off.

Indicator Lights Description:

- **Laundry Mode Indicator**: Lights up when the laundry drying function is activated.
- **Night Mode Indicator**: Lights up when night mode is enabled. Holding the fan speed button for 3 seconds triggers a beep, turns on Night Mode, and lights the indicator. In Night Mode, the Digital Tube and LED lights operate at 50% brightness, button sounds and water-full alarms are silenced, and the Fan Speed is set to low (L), including during laundry drying. Holding the Fan Speed button for 3 seconds again disables Night Mode with two beeps, indicator turns off, and brightness returns to 100%, restoring previous settings.
- **Timer Indicator**: Lights up when the timer function is activated, which can be set from 0 to 8 hours.
- **Child Lock Indicator**: Lights up when child lock is activated. Holding the timer button for 3 seconds triggers a beep, enabling Child Lock and lighting the indicator. At this time, only the Power button and long press of the Timer button; other buttons are disabled, and no beep sounds when button are pressed. Holding the timer button again for 3 seconds disables Child Lock with two beeps and turns off the indicator.
- **Digital Tube**: Displays the target dehumidification humidity value.
- **Water Full Indicator**: Lights up (red) when the water tank is full and the machine stops.

Machine Memory Function:

- When powered off using the power button but still connected to power, turning it back on will recall the previous working mode before shutdown. However, timer and child lock settings are not saved; other functions restore the previous mode.

Auto Shut-Off When Water Tank is Full:

- When the sensor detected the water level reached the set height, the buzzer will alarm, the water full indicator lights up, the machine will stop working and louver will close automatically. The user should empty the water tank, carry the tank back into the machine, then the machine will return back to work as the settings before water tank is full.

Automatic Defrost Function:

- When the dehumidifier operates in a low-temperature environment, the automatic defrost function activates to protect the refrigeration system. If the temperature sensor detects that the evaporator copper tube temperature is at or below 0°C, the compressor will stop after running continuously for 40 minutes. The machine then enters defrost mode with the fan running at high speed, while other displays remain unchanged. Once the temperature sensor detects that the evaporator copper tube temperature has risen to 2°C or above and the defrost time has reached at least 12 minutes, the compressor restarts, and the machine resumes dehumidification.

Compressor Delay Start Function:

- After the compressor stops, restarting it immediately can cause overload protection due to unbalanced pressure in the refrigeration system. Thus, the compressor has a 3 minutes' delay start feature; it will start 3 minutes after the machine is turned on.

Over-temperature Safety Protection:

- If the ambient temperature is below 3°C or above 40°C, the machine stops dehumidifying, but the fan continues to operate at the previously set speed. When the ambient temperature is between 5°C and 38°C, the machine resumes dehumidification. The compressor will start only after a 5 minutes' delay for protection.

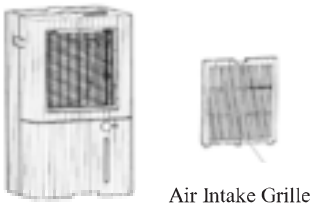
Forced Fan Speed Change at High Temperature:

- In high-temperature environments during dehumidification, running at low fan speed increases the compressor load. Therefore, at high temperatures, the machine automatically switches from low fan speed to high fan speed. When the ambient temperature drops, it returns to the original fan speed setting.

Maintenance and Care Instructions:

- Wipe the surface of the machine with a damp sponge, then dry it with a clean soft cloth.
- Avoid using alcohol or solvent-containing cleaning products.
- Do not immerse the machine in water for cleaning.

- The outer shell of this product is made of plastic; avoid direct sunlight exposure.
- Handle the water tank gently when removing it.
- Keep the air intake grille clean. Remove the grille, clean it with a vacuum cleaner or rinse with water, then dry it in a well-ventilated area.



Air Intake Grille

- Always unplug the power cord before cleaning or performing any maintenance.
- Before moving the machine, turn it off, unplug the power cord, and empty the water tank.
- If not used for a long period, unplug the power cord, empty all the water from the tank, and let it sit for two days to allow the interior to dry before packaging. Store the machine in a well-ventilated, dry environment to extend its lifespan. Store the machine upright; do not lay it on its side or upside down.

Error Code

Error codes	Fault	Cause of fault
C1	Evaporator NTC	Evaporator NTC ≥40°C
C2	Ambient Temperature Sensor NTC	Ambient temperature≤0°C/≥40°C
C7	Main motor failure	Motor blocked/ Open circuit

Trouble Shooting

Check the following before contacting technical support:

Problem	**Checklist**
The unit does not work	☐ Ensure the power plug is fully inserted into the socket. ☐ Check whether the dehumidifier has reached its humidity level, or the water tank is full. ☐ Verify that the water tank is positioned correctly.

Poor dehumidifying performance	☐ Ensure the unit has operated for a sufficient duration to remove moisture. ☐ Check for obstacles blocking the air inlet or outlet. ☐ The ambient humidity might be lower than the set humidity level. ☐ Ensure all doors, windows, and other openings are securely closed. ☐ Room temperature may be too low, below 5°C (41°F).
Excessive noise	☐ Ensure the unit is placed on a stable, flat surface. ☐ Clean the air intake grille regularly.

If the above solutions cannot fix the problem, stop using immediately and contact Shun Hing Electric Service Centre Ltd to check and repair.

Specifications

Model	RPD-Y17/BG RPD-Y17/BU RPD-Y17/GN RPD-Y17/GY RPD-Y17/OR RPD-Y17/PN RPD-Y17/YE	Blue Green Blue Green Grey Orange Pink Yellow
Rated voltage and frequency	220-240V~ 50Hz	
Dehumidifying capacity	9 L/D (26.7°C/60%RH) 17.5 L/D (30°C/80%RH)	
Consumed power	185W (26.7°C/60%RH)	
Rated power	250W (35°C/80%RH)	
Refrigerant	R290 (60g)	
Water tank capacity	2.9 L	
Product dimensions (W x D x H)	290×240×525 mm	
Net weight	14.7 kg	

Special Avowal

1. The information above has been checked. Our company reserves the hermeneutic power to any printing errors or misunderstanding on the content.
2. If there are technical improvements on the appliance, the instruction manual will be updated without any prior notice. The product appearance and color are subject to the actual appliance.
3. An electronic copy of the instruction manual can be emailed to the customer on requested. If necessary, please call Shun Hing Electric Works & Engineering Co., Ltd.: 2861 2767.

After Sales Service

For any defect, in the judgment of technician from Shun Hing Electric Service Centre Limited, caused under normal use, we are responsible for repairing or replacing parts of the said electrical appliance free of charge within one year guarantee period commencing from the date of purchase. Any defective part which has been replaced shall become our property. Guarantee service does not cover the repair or replacement of accessories, external cables, water tank or cabinet, etc. Additional charges shall be levied if services are required.

Please present the official invoice and the guarantee certificate with the sales point's chop or the redemption center's chop for free maintenance. For enquiries, please call Shun Hing Electric Service Centre Limited hotline at 2406 5666.

Free guarantee service will not be provided to the unit if: 1) it has been explicitly or implicitly modified, tampered with, altered or repaired in any way by persons other than technicians of the Company. Or 2) it has been damaged through misuse, negligence, liquid ingress or corrosion, power interruption, natural calamities or accident or external factors. Or 3) it is not a fixed installation on land. Or 4) the normal operation of the unit is affected by improper installation. Or 5) the domestic model of unit is used for industrial or commercial purpose. Or 6) the change of location or ownership of the unit and did not inform Shun Hing Electric Service Centre Limited.

Rasonic 樂信牌

SHUN HING GROUP 信興集團 SINCE 1953

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