

規格 Specifications

型號 Model	FP-F40A		
適用面積 (平方米/平方尺) Applicable Floor Area (m ² /ft ²)	30 / 322		
空氣過濾系統 Air Purifying System	高濃度 PCI HD Plasmacluster Ion (HD PCI)		
PCI 濃度 (顆/立方厘米) PCI Density (ions/cm ³)	7,000		
過濾網 (壽命) Filter (Life)	HEPA 過濾網 (10 年) HEPA Filter (10 years)		
	活性碳除臭過濾網 (10 年) Active Carbon Deodorizing Filter (10 years)		
感測器 Sensor	塵埃感測器 Dust Sensor		
風速選擇 Fan Speed	睡眠 Sleep	中 Medium	高 High
空氣流量 (立方米/小時) Airflow Volume (m ³ /hour)	54 - 96	150	240
耗電量 (瓦) Power Consumption (W)	3 - 5	10	27
操作音量 (分貝) Noise Level (dBA)	21 - 30	38	49
外形尺寸 (闊 x 高 x 深) (毫米) Dimensions (W x H x D) (mm)	383 x 540 x 209		
重量 (公斤) Weight (kg)	5.1		
顏色 Color	白色 White		

規格設計如有變更，恕不另行通知。

Design and specifications are subject to change without prior notice.

SHARP

DCH
DCH ELECTRICAL APPLIANCES DIVISION
代理：大昌貿易行有限公司

SHARP



HD PCI 空氣清新機

Air Purifier with HD Plasmacluster Ion



FP-F40A

PCI 空氣淨化技術

Plasmacluster (PCI) Technology



High-Density 7000

SHARP 首創的 PCI 空氣淨化技術，其離子產生器會產生及釋放與自然環境相同的正、負離子，能有效抑制空氣中的霉菌及病毒。

Plasmacluster (PCI) technology is SHARP's original air purifying technology. Plasmacluster Ion (PCI) Generating Unit generates and emits the same positive and negative ions that occur in nature, inactivating suspended airborne mold and virus.



榮獲由日本社團法人發明協會 (JIII) 主辦的2008年全國發明大獎賽「發明賞」專利權由 SHARP 擁有 (專利編號：3680121)

Winner of the Invention Prize at the 2008 National Invention Awards Ceremony held by the Japan Institute of Invention and Innovation (JIII)
Patented by SHARP (Patent No. 3680121)

SHARP 的 PCI 是唯一採用正、負離子淨化空氣的技術。

SHARP's Plasmacluster is the only technology using positive and negative ions to purify air.

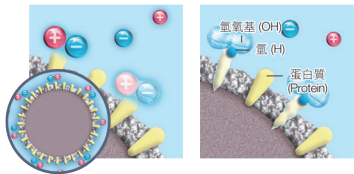
1. 釋放 PCI 正、負離子 Release Plasmacluster Ions (PCI)



PCI 與自然環境的正、負離子相同。這些離子被水分子包圍，再釋放到空氣中。

Plasmacluster Ions (PCI) are the same positive and negative ions found in nature. The ions are surrounded by water molecule, and are released into the air.

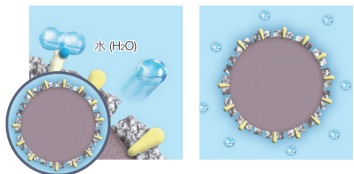
2. 破壞空氣中的微生物細胞 Attack Suspended Airborne Microbes



正、負離子接觸到霉菌及病毒時，便會形成有高度氧化能力的氫氧基 (OH)。然後從病毒細胞上的蛋白質提取氫原子 (H)，以抑制其活動能力。

The ions form hydroxide (OH) radicals that are highly oxidizing only when they adhere to the surfaces of mold and virus. They instantly remove the hydrogen (H) from the surface proteins, breaking them down.

3. 轉化為水分回歸空氣 Return to the Air as Water



氫氧基 (OH) 與氫原子 (H) 結合，轉化為水分 (H₂O) 重回空氣中。

The hydroxide (OH) radicals combine with hydrogen (H) to form water (H₂O) which returns to the air.

多國證書 信心之選

International Recognition

SHARP PCI 空氣淨化技術獲得世界多個學術組織的高度評價，曾在日本文部科學省主辦的“Intelligent Materials Forum”中獲得[高木賞]的最優秀論文。PCI 的功效亦得到下列國家的公管機構核實及確認：

SHARP's Plasmacluster Ion (PCI) technology is highly accredited by many medical institutions in the world. It won the Takagi Award for the most outstanding technology at the“Intelligent Materials Forum”held by the Ministry of Education, Culture, Sports, Science and Technology, Japan. Its efficacy is also audited and endorsed by official bodies as follows:



日本 Japan

北里環境科學研究中心
(以研究浮游的病毒著名)
Kitasato Research Center of
Environmental Sciences
(renowned in airborne allergens studies),
Japan



日本 Japan

石川縣預防醫學協會
(以研究浮游的霉菌著名)
Ishikawa Health Service Association
(renowned in airborne mold studies),
Japan



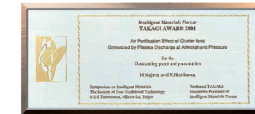
中國 China

上海市預防醫學研究院
(以研究浮游的霉菌著名)
Shanghai Municipal Center for Disease
Control and Prevention
(renowned in airborne mold studies),
China



德國 Germany

魯貝克大學醫學研究院
(以研究浮游的霉菌著名)
The University of Lübeck
(renowned in airborne mold studies),
Germany



日本 Japan

“Intelligent Materials Forum”中獲得[高木賞]的最優秀評文
Winner of Takagi Award for the Outstanding Paper and Presentation at the
“Intelligent Materials Forum”, Japan

日本 Japan

石川縣預防醫學協會 (有關浮游細菌、浮游霉菌)
Ishikawa Health Service Association
(Airborne microbes, airborne mold)
北里大學北里研究所醫學中心醫院 (有關浮游病毒、浮游細菌)
Kitasato Institute Medical Center Hospital, Kitasato
University (Airborne viruses, airborne microbes)
北里環境科學研究中心 (有關浮游病毒、浮游細菌)
Kitasato Research Center of Environmental Sciences
(Airborne viruses, airborne microbes)
廣島大學大學院先端物質科學研究所 (有關浮游過敏原)
Hiroshima University Graduate School of Advanced
Sciences of Matter (Airborne allergens)
日本紡織檢查協會 (有關依附的異味)
Japan Spinners Inspecting Foundation
(Adhering odor)
日本食品分析中心 (有關依附的霉菌)
Japan Food Research Laboratories (Adhering mold)

中國 China

上海市預防醫學研究院 (有關浮游病毒、浮游細菌)
Shanghai Municipal Center for Disease Control and
Prevention (Airborne viruses, airborne microbes)

韓國 Korea

首爾大學 (有關浮游病毒)
Seoul University (Airborne viruses)

英國 UK

Retroscreen Virology, Ltd. (有關浮游病毒)
Retroscreen Virology, Ltd. (Airborne viruses)

美國 USA

哈佛大學公共衛生學 (有關浮游細菌)
Harvard School of Public Health
(Airborne microbes)

德國 Germany

魯貝克大學醫學研究院 (有關依附的霉菌)
The University of Lübeck (Adhering mold)
亞琛應用科學大學亞德曼教授 (有關浮游細菌、浮游霉菌)
Professor Gerhard Artmann, Aachen University
of Applied Sciences
(Airborne microbes, airborne mold)

智能操作 淨化效能卓越

Intelligence Operation, Effective Air Purifying Power

獨有「強力PCI除菌」模式

Special "Ion Shower" Operating Mode

以噴射方式在空氣中釋放60分鐘高濃度的PCI

Discharge concentrated Plasmacluster Ion (PCI) in a shower-like pattern into the air for 60 minutes

有效抑制空氣中的病毒、霉菌及致敏原

Inactivate airborne viruses, mold and allergens effectively

淨化度指示燈

Clean-sign Light

當塵埃感測器檢測到室內空氣污濁時，指示燈的顏色會產生變化，以顯示現時的空氣質素。

When contaminants are detected by Dust Sensor, the light color will change to indicate the room air condition.

塵埃感測器

Dust Sensor

塵埃感測器可感測空氣中的灰塵、塵蟎、花粉等物質

Dust Sensor can detect dust, dust mites, pollen, etc.



貼心設計 安全又可靠

Caring Design, Safe and Reliable

定時關機功能

Off Timer

只需按下定時關機按鈕便可選擇運行時間，更備有2/4/8小時以供選擇，以便配合不同環境及需要。



Pressing the Off Timer button to choose the duration of operation. The Off Timer can be pre-set 2/4/8 hours in advance to switch off the air purifier automatically, enabling you to operate with different needs and environments.

寧靜操作

Quiet Operation

低風速模式操作時，只有21分貝

Only 21 dBA in "Low" fan speed operation

<21 分貝

適用面積

Applicable Floor Area

322 平方尺
sq. feet

30 平方米
sq. meters



高效能過濾網系統

Highly Effective Filtering System

HEPA 集塵過濾網

HEPA Filter

HEPA 過濾網可過濾細小至 0.3 微米的微塵粒子、香煙粒子*1 及花粉

Collect tiny dust, cigarette particles*1 and pollen as small as 0.3µm

過濾效能高達 99.97%*2

99.97% dust collection rate*2

活性炭除臭過濾網

Active Carbon Deodorizing Filter

活性炭除臭過濾網具強力除臭效能，能去除各種異味，如香煙煙味*1、垃圾臭味及寵物異味等，還能有效去除甲醛異味。

Active Carbon Deodorizing Filter has powerful deodorizing ability which remove various kinds of odors, such as cigarette smoke*1, garbage odor and pet odor. It can also remove formaldehyde effectively.



*1 不能去除香煙中的有害物質如一氧化碳。

Cannot remove harmful substances such as carbon monoxide.

*2 過濾 0.3 微米之微塵粒子時。

Dust collection efficiency of the filter for 0.3 µm particles.

香港銷量第一

Hong Kong Sales No.1



SHARP 空氣清新機系列為香港零售銷量第一，備受用家信賴。

SHARP air purifiers have achieved Sales No.1 in Hong Kong, which are very popular among users.

(香港) 資料來源：

根據統計香港主要家電連鎖店銷售數字之市場報告，於 2009-2014 年間，SHARP 連續 6 年為香港零售銷量冠軍

(Hong Kong) Data Source:

According to the sales statistics report of major household appliance chain stores in Hong Kong - No. 1 sales brand on unit basis for the consecutive 6 years from 2009-2014

PCI 空氣淨化技術 全球用戶一致好評 Acclaimed Plasmacluster Ion (PCI) Technology

SHARP 的 PCI 空氣淨化技術榮獲各界的信任，並使用在不同行業產品之中。

SHARP's Plasmacluster Ion (PCI) technology has expanded to other industries and used in different products.



HINO
Automotive air conditioning
Automotive air purifiers

FUJITEC
Elevators

TOYOTA
Automotive air conditioning
Automotive air purifiers

MISAWA
24-hour central floor
ventilation systems

DENSO
Automotive
Plasmacluster ionizers

TOSTEM
Bath/shower room heating/
ventilation/drying systems

NISSAN
Automotive air conditioning
Automotive air purifiers

INAX
Shower toilets

DENSO
DENSO ACE
Home central air
conditioning systems

Rinnai
TOHO GAS
Hot water heaters/dryers

ISUZU
Automotive air conditioning
Automotive air purifiers

SHMZ
Ion duct conveyance systems

Rinnai
TOKYO GAS 東京ガス
TOHO GAS 西都ガス
Gas fan heaters

MAX
MAX CO., LTD.
Bath/shower room heating/
ventilation/drying systems

TORNEX
Effective Smoking
Area Control

TAKARA TOMY
Baby Air Cleaner

配備 SHARP PCI 空氣淨化技術的產品， 全球銷量突破五千萬部*

50 million* of SHARP's products equipped with Plasmacluster Ion (PCI) technology sold in the world

* 2000 年 10 月至 2012 年 6 月期間，於日本及海外出售的 SHARP PCI 產品及應用有關 PCI 技術之產品銷量。

Total number of SHARP Plasmacluster Ion (PCI) products and Plasmacluster Ion (PCI) generating devices shipped within Japan and overseas between October 2000 and June 2012.