



**Symphony<sup>®</sup>**

*Thinking of Tomorrow*

# PRESENTS LARGE SPACE VENTI-COOLING



[www.symphonyventicool.com](http://www.symphonyventicool.com)



# THE FINEST COOLING IN CURRENT TIMES

Cooling for Industrial and Commercial Establishments @ ₹2/ft<sup>2</sup> per month<sup>^</sup>

- Factories
  - Educational Institutes
  - Warehouses
  - Religious Places
  - Hospitals
  - Banquet Halls
  - Showrooms
  - Restaurants
  - Residences
- and many more..



MILLION+  
INSTALLATIONS

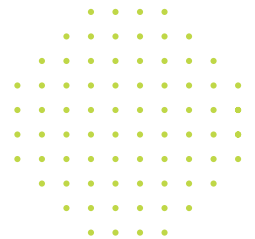
<sup>^</sup>Conditions apply.

## BEYOND COOLING: DEMOCRATIZING COMFORT

Symphony Large Space Venti-Cooling is a unique concept of air-cooling plus ventilation. A combination not offered by any other cooling technology.

One does not have to close a space to employ this cooling.

- Offers more than physical comfort • Boosts productivity
- Increases footfall • Decreases absenteeism



**LARGE SPACE COOLING**  
**@ ₹ 2/ft<sup>2</sup> PER MONTH<sup>^</sup>**



**ONLY ONE UNIT CAN COOL**  
**UP TO 1600 SQ.FT.**



**90% LESSER ELECTRICITY**  
**CONSUMPTION THAN AC SYSTEM<sup>^</sup>**



**EASY AND QUICK INSTALLATION**  
**IN JUST A COUPLE OF HOURS**

<sup>^</sup>Conditions apply.

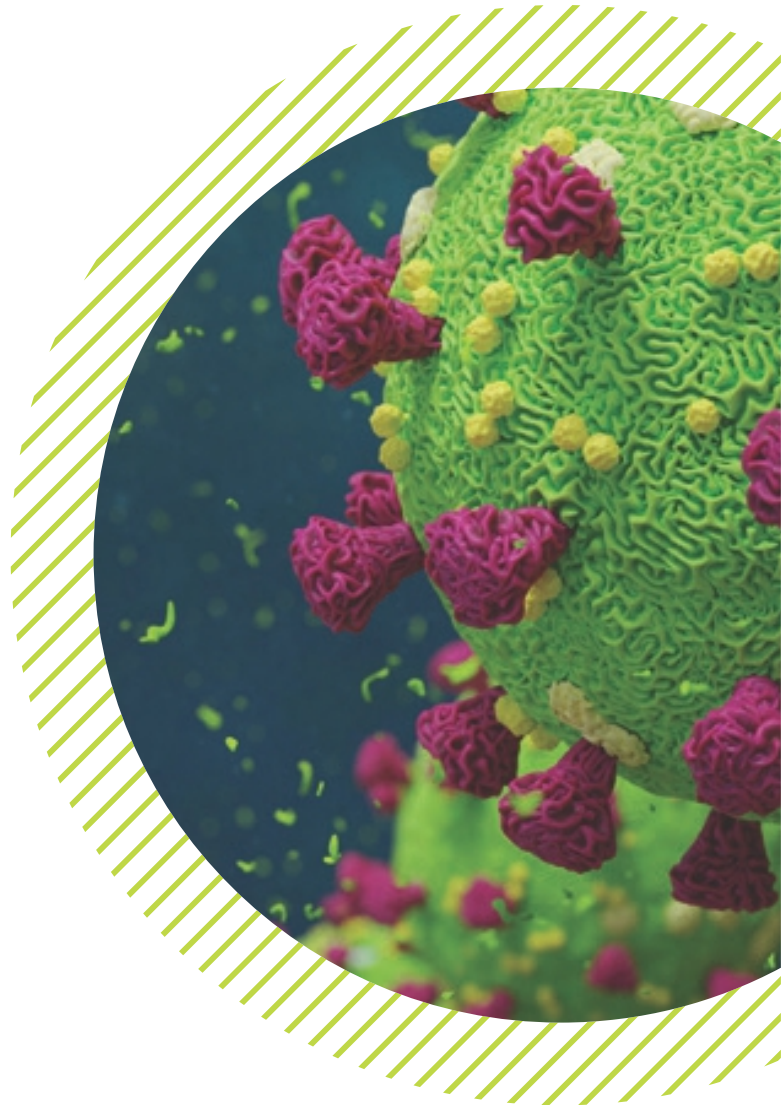


**AS PER THE EXPERTS, A CLOSED ENVIRONMENT CAN TURN INTO A BREEDING GROUND FOR DEADLY VIRUSES. ONE MUST ALLOW SUFFICIENT VENTILATION TO MINIMIZE CHANCES OF GETTING DANGEROUS INFECTIONS.**

### ISHRAE

As per ISHRAE (Indian Society of Heating, Refrigerating and Air Conditioning Engineers)

- High relative humidity tends to neutralize any virus.
- The viruses survive longer at lower temperature. A temperature range of 24° - 30°C is safer and sufficient for human comfort.
- A constant flow of fresh air is recommended for minimizing the risks of infection preferably without recirculation of the air.



**SYMPHONY LARGE SPACE VENTI-COOLING TAKES CARE OF ALL THE MEASURES SUGGESTED BY WHO AND ISHRAE AGAINST THE VIRUSES. THEREFORE, IT IS HEALTHIER, SAFER AND AFFORDABLE COOLING OPTION SUITABLE FOR INDUSTRIAL & COMMERCIAL ESTABLISHMENTS.**



WHO recommends an increased ventilation rate through natural or mechanical means, preferably without recirculation of the air.





Worker's productivity can be enhanced up to 12% by increasing the level of thermal comfort at the workplace. Research shows that optimal range of ambient temperature for enhanced worker's productivity is about 23-30° Celsius. Improvement in productivity can be gained through establishment of cooling solution at indoor workplaces.



NASA found and reported in heat stress report CR-1205 (1) that temperature over 75°F negatively affects both productivity and accuracy of work. The following table is a summary of the relationship identified during NASA test between temperature, work output and accuracy.

Effective Temperature °F/°C						
75/24	80/27	85/29	90/32	95/35	100/38	105/41
Loss of Work Output						
3%	8%	18%	29%	45%	62%	79%
Loss in Accuracy						
0%	5%	40%	300%	700%	>700%	>700%

## VENTI-COOL 8U

Universal air cooler Cooling  
@ ₹2/sq.ft. per month^



2 Side discharge option  
**Side & Bottom**



### Features



Modular units suitable for any area.  
One unit can cool up to 500 sq.ft.\*



0.37 kW, 2 speed motor for  
powerful air delivery of 8000 CMH



Cool Flow Dispenser  
for enhanced cooling



Three side cooling pads  
for superior cooling



Weather resistant UV Stabilized  
high grade plastic body



Symphony accessories for easy and  
quick installation in a couple of hours





# VENTI-COOL 11U

Universal air cooler Cooling  
@ ₹2/sq.ft. per month^

NEW



3 Side discharge option  
**Top, Bottom & Side**



## Features



Modular units suitable for any area.  
One unit can cool up to 700 sq.ft.\*



0.45 kW, 2 speed motor for  
powerful air delivery of 11000 CMH



Cool Flow Dispenser  
for enhanced cooling



Three side cooling pads  
for superior cooling



Weather resistant UV Stabilized  
high grade plastic body



Symphony accessories for easy and  
quick installation in a couple of hours



## VENTI-COOL 20U

Universal air cooler Cooling  
@ ₹2/sq.ft. per month^



2 Side discharge option  
**Top & Bottom**



### Features



Modular units suitable for any area.  
One unit can cool up to 1200 sq.ft.\*



1.1 kW motor for powerful  
air delivery of 20000 CMH



Cool Flow Dispenser  
for enhanced cooling



Four side cooling pads  
for superior cooling



Weather resistant UV Stabilized  
high grade plastic body



Symphony accessories for easy and  
quick installation in a couple of hours





## VENTI-COOL 25U

Universal air cooler Cooling  
@ ₹2/sq.ft. per month^



2 Side discharge option  
**Top & Bottom**



### Features



Modular units suitable for any area.  
One unit can cool up to 1600 sq.ft.\*



1.5 kW motor for powerful  
air delivery of 25000 CMH



Cool Flow Dispenser  
for enhanced cooling



Four side cooling pads  
for superior cooling



Weather resistant UV Stabilized  
high grade plastic body



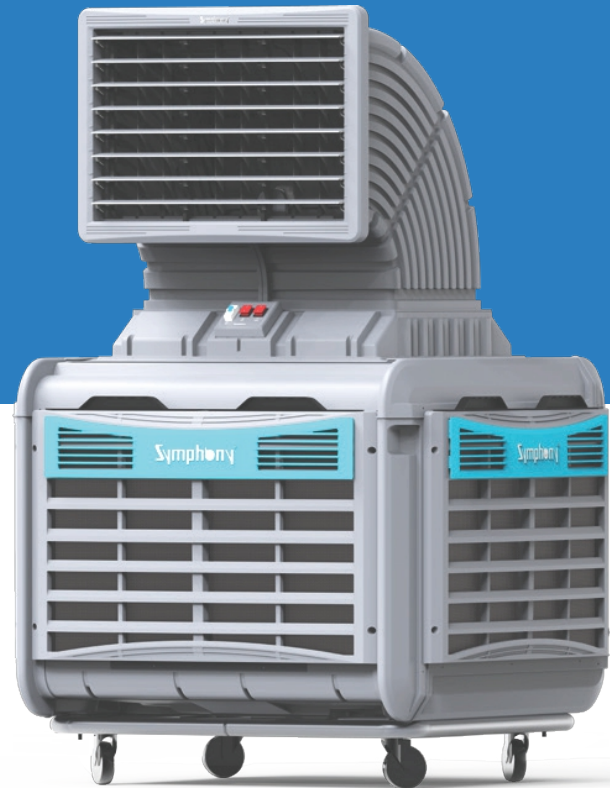
Symphony accessories for easy and  
quick installation in a couple of hours



# MOVICOOOL XXL

Single unit comes pre-fitted with Symphony accessories, suitable for areas up to 1500 sq.ft.\*

Cooling @ ₹2/sq.ft. per month<sup>^</sup>



## Features



1.1 kW motor for powerful air delivery of 20000 CMH



Auto swing



Fully closable horizontal louvers



Cool Flow Dispenser for enhanced cooling



Four side cooling pads for superior cooling



Weather resistant UV Stabilized high grade plastic body



Heavy duty lockable wheels for portability



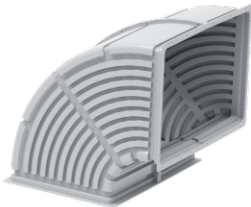


## ACCESSORIES

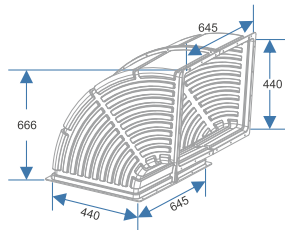
Symphony accessories are specially designed for quick and easy installation. Any installation can be completed within a few hours!

### Features

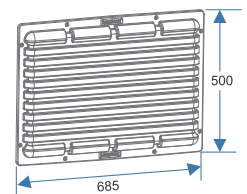
- Weather resistant UV Stabilized engineering plastic body for long life
- Aesthetic and homogeneous looks



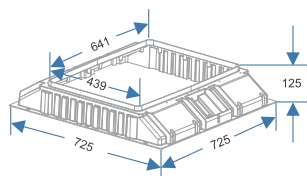
**ELBOW**



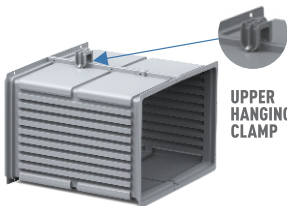
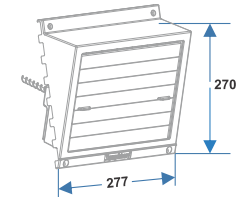
**END CAP**



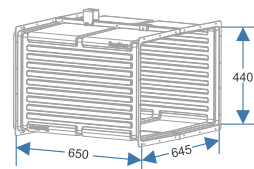
**MOUTHPIECE**



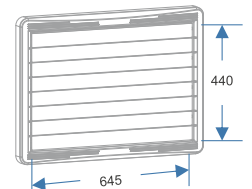
**AIR OUTLET GRILL WITH DAMPER**



**MODULAR DUCT**



**FRONT GRILL WITH AUTO-LOUVER**



**VARIABLE SPEED CONTROLLER FOR VC20**



**PROTECTOR FOR VC25**

Note: all dimensions are in mm



**INSULATION NOT REQUIRED**



**SMOOTH AIRFLOW**



**LEAKPROOF DESIGN**



**QUICK AND EASY INSTALLATION**

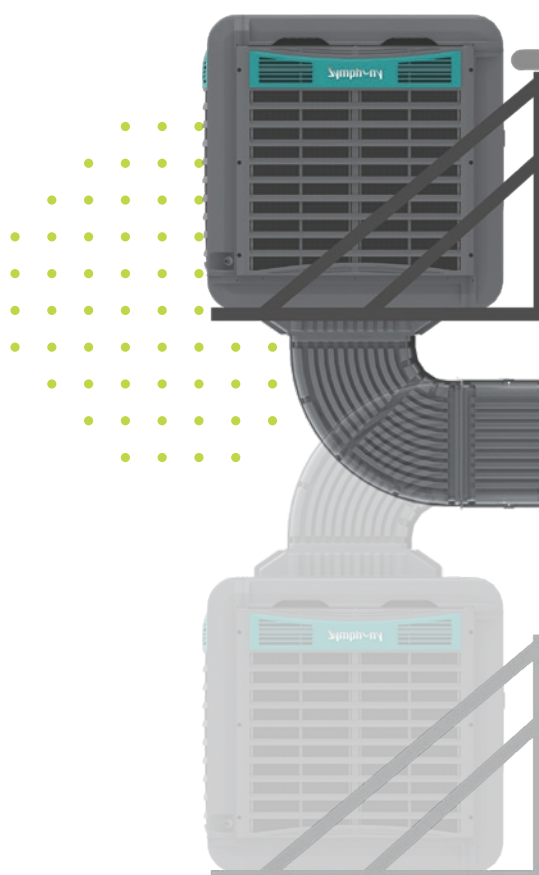
## INSTALLATION VIEW



Outside view



Inside view

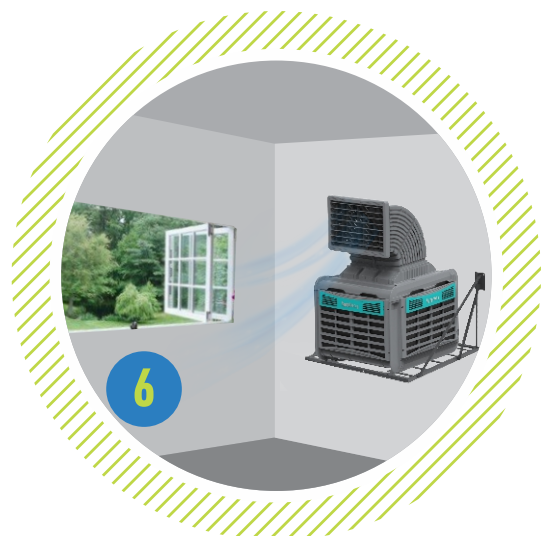
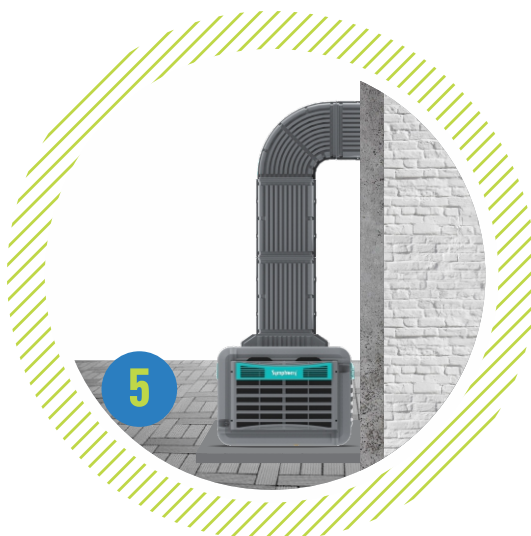
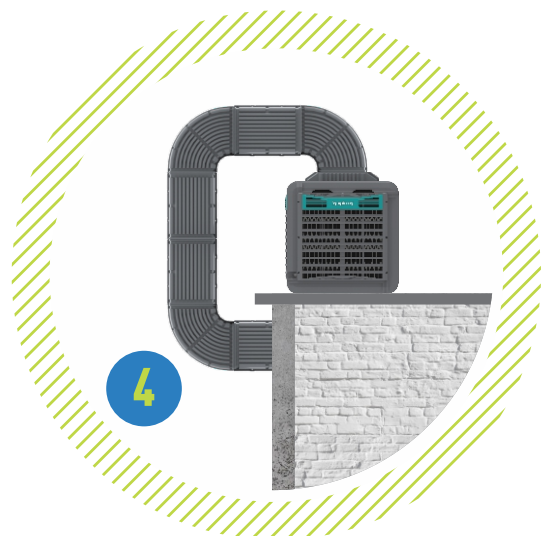
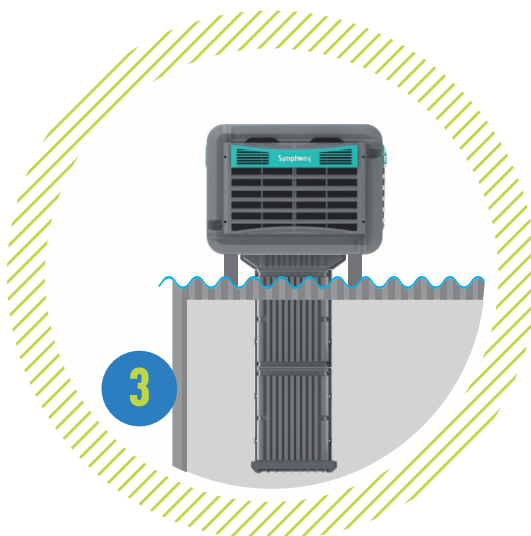
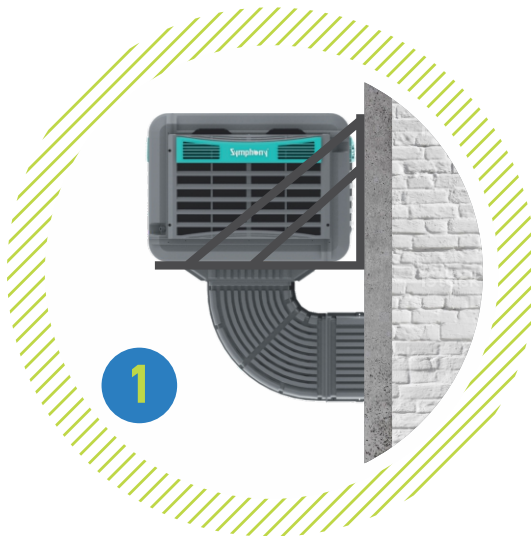


## UNIVERSAL INSTALLATION (TOP/BOTTOM DISCHARGE)

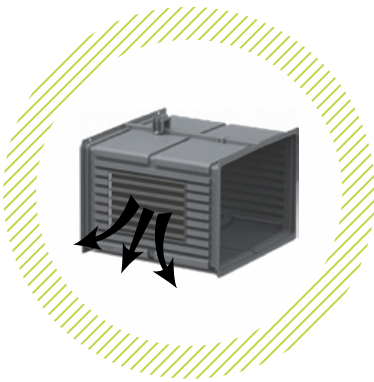




# TYPES OF INSTALLATION



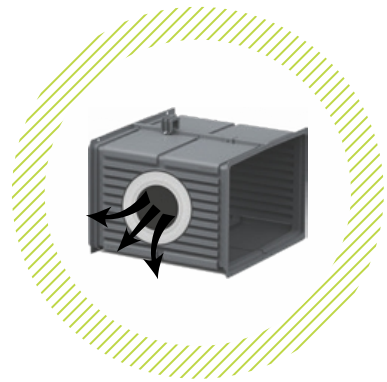
## AIR OUTLET OPTIONS



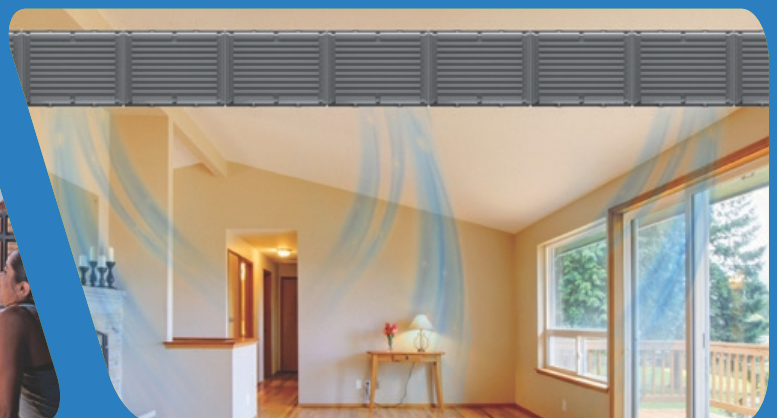
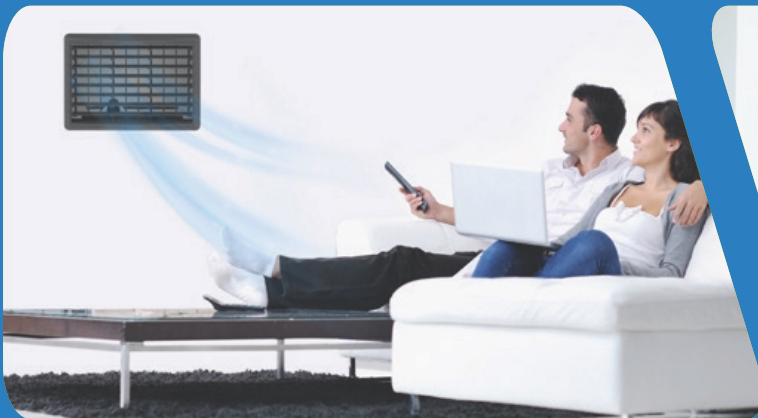
Side air outlet



Bottom air outlet



Air nozzle





## INSTALLATIONS





## INSTALLATIONS





# COOLING THE WORLD SINCE 1939

**1939**

The air cooler was invented by Goettl brothers in USA. International Metal Products Company (now IMPCO, a Symphony Group Company) was founded.

**1955**

International Metal Products Company de Mexico, S.A. de C.V. was established.

**1988**

Symphony pioneered branded air coolers in India.

**1994**

Symphony went public.

**2000**

Guinness world record for largest air cooler.

**2001**

Keruilai (now a Symphony Group Company) was founded in China.

**2009**

Symphony acquired IMPCO.

**2010**

Introduced Central Air Cooling Solutions + India's largest commercial air cooling project.

**2015**

Acquisition of Keruilai + Market value of Symphony crossed ₹11,000 crores.

**2018**

Symphony's acquisition of Climate Technologies-Australia and Bonaire-USA + Market value of Symphony crossed ₹15,000 crores.

**2019**

Introduced a range of portable commercial air coolers and world's first universal air coolers manufactured in India.

**2020**

Launched a range of accessories for industrial and commercial air coolers.

## OUR CUSTOMERS



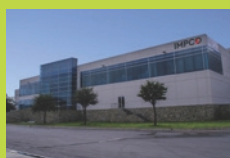
## OUR GLOBAL COMPANIES



**Symphony**  
Symphony Limited  
India  
symphonylimited.com



**Ki**  
GSK Air Coolers Co. Ltd.  
China  
keruilai.com



**IMPCO**  
Impco S. de R.L de C.V.  
Mexico  
symphonylimited.com.mx



**BONAIRE**  
The leaders in heating and cooling  
Bonaire USA  
USA  
bonaire-usa.com



**CLIMATE**  
Technologies  
Climate Technologies Pty Ltd.  
Australia  
climatetechnologies.com.au



**Symphony**  
Symphony Climatizadores  
Brazil  
symphonyclimatizadores.com.br



# TECHNICAL SPECIFICATIONS



Parameter	Venti-Cool 8U	Venti-Cool 11U	Venti-Cool 20U	Venti-Cool 25U	Movicool XXL
Discharge	Bottom / Side	Top / Bottom / Side	Top / Down	Top / Down	Top
Nominal air delivery (cmh)	8000	11000	20000	25000	20000
Cooling area (sq.ft.)	up to 500	up to 700	up to 1200	up to 1600	up to 1500
Net weight (kg)	54	47	53	69	78
Operating weight (kg)	70	97 / 77 / 97	115 / 89	131 / 105	140
Input power supply (V/Hz/Ph)	230/50/1	230/50/1	230/50/1	415/50/3	230/50/1
Motor power (kw)	0.37	0.45	1.1	1.5	1.1
Outside dimensions (LxBxH in mm)	1000 x 940 x 800	950 x 950 x 930	1140 x 1140 x 850	1140 x 1140 x 1130	1140 x 1140 x 1770
Air outlet dimensions (HxW in mm)	450 x 450	500 x 500	670 x 670	670 x 670	645 x 440
Body material	UV Stabilized High Grade Plastic	UV Stabilized High Grade Plastic	UV Stabilized High Grade Plastic	UV Stabilized High Grade Plastic	UV Stabilized High Grade Plastic
Tank capacity (ltr.)	23	50 / 30 / 50	70 / 40	70 / 40	70
Air moving device	Fan	Fan	Fan	Fan	Fan
Fan diameter (mm)	425	425	620	620	620
Cooling media	Honeycomb pads	Honeycomb pads	Honeycomb pads	Honeycomb pads	Honeycomb pads
Pad thickness (mm)	60	60	100	100	100
Cooling surface area of pad (sq.mtr.)	1.13	1.45	1.6	2.6	1.6
Minimum cooling efficiency (%)	75	75	80	80	80
Number of speeds (nos.)	2	2	1	1	1
Duct length (ft.)	up to 20	up to 30	up to 60	up to 80	—
Container quantity (40HQ)	108 (SKD)	89 (SKD)	60 (SKD)	54 (SKD)	48 (SKD)

Note: Must use suitable rated protective devices like Single phase preventer, Voltage stabilizer, Spike buster, etc.

\* Use suitable water supply with TDS less than 400 ppm

\* Under test condition DB38°C/WB23°C

\* Above specifications, external appearance and colours are subject to change without prior notice, and, actual measurements may vary within +/-15% of specified values.

+ Average cost of power consumption

^ Conditions apply


# Symphony®

*Thinking of Tomorrow*

## WORLD LEADER IN AIR COOLING

Responsibly cooling the world  
since 1939



 **Symphony Limited**  
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Off SG Highway,  
Ahmedabad - 380059,  
India

**MILLION+  
INSTALLATIONS**

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