



INNOVATIVE VENTILATION SOLUTIONS



HAYASHI a truly global brand was established in 2003 with a mission of being a popular household name in the electric fan industry. Thanks to the trust and confidence put in by customers that in a short span of time HAYASHI is now among the leaders in the electric fan industry, a brand equity build over best in class quality of products, and an assurance of reliability and dependability. The brand counts on its core competency of flexibility and its ability to respond to the market needs and requirements.

As a customer centric brand, HAYASHI has got numerous models under broad categories of Ceiling Fans, Brushless DC Motor Fans, TPW (Table, Pedestal & Wall), Rechargeable Fans and Ventilating Fans. These models come with various specifications and combinations like metal body & plastic body, decorative fans, domestic and industrial ventilating fans to suit varying ambience and air circulation requirements vis-à-vis meeting users' taste and preferences.

In an ever challenging market place, the brand never compromises on its motto to delight the customers by “enhancing the life style” and delivering on its promises, one time and every time.

The brand boasts a global presence and is well accepted in many markets / countries, including the Middle Eastern countries, India and few of the African countries.



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Ventilation Selection

Use the Air Changes Calculation to Determine Room CFM

Engineering room airflow may present a real challenge when balancing an HVAC system. Most calculations only use the heat loss or gain of a room to decide on required airflow and often don't take into consideration required room ventilation needs. Let's take a look at how an air change calculation may simplify this step in your air balancing.

What is an Air Change?

An air change is how many times the air enters and exits a room from the HVAC system in one hour. Or, how many times a room would fill up with the air from the supply registers in sixty minutes.

You can then compare the number of room air changes to the Required Air Changes Table below. If it's in the range, you can proceed to design or balance the airflow and have an additional assurance that you're doing the right thing. If it's way out of range, you'd better take another look.

The Air Changes Formula

To calculate room air change, measure the supply airflow into a room, multiply the CFM times 60 minutes per hour. Then divide by the volume of the room in cubic feet:

$$\text{Air Changes / hr} = \frac{\text{CFM} \times 60 \text{ min}}{\text{Volume of Room}}$$

In plain English, we're changing CFM into Cubic Feet per Hour (CFH). Then we calculate the volume of the room by multiplying the room height times the width times the length. Then we simply divide the CFH by the volume of the room.

Here's an example of how a formula works:

$$\text{Air Changes / hr} = \frac{300 \text{ cfm} \times 60 \text{ min}}{15' \times 20' \times 8'} \quad \text{Air Changes / hr} = \frac{18000}{2400}$$
$$\text{Air Changes / hr} = 7.50$$

Now compare 7.5 changes per hour to the required air changes for that type of room on the Air Changes per Hour Table below. If it's a lunch or break room that requires 7-8 air changes per hour, you're tight on target. If it's a bar that needs 10-20 air changes per hour, it's time to reconsider.

Typical Air Changes Per Hour Table

Residential		
	Basements	3-4
	Bedrooms	5-6
	Bathrooms	6-7
	Family Living Rooms	6-8
	Kitchens	7-8
	Laundry	8-9
Light Commercial		
Office		
	Business Offices	6-8
	Lunch Break Rooms	7-8
	Conference Rooms	8-12
	Medical Procedure Offices	9-10
	Copy Rooms	10-12
	Main Computer Rooms	10-14
	Smoking Area	13-15
Restaurants		
	Dining Area	8-10
	Food Staging	10-12
	Kitchens	14-18
	Bars	15-20
Public Buildings		
	Hallways	6-8
	Retail Stores	6-10
	Foyers	8-10
	Churches	8-12
	Restrooms	10-12
	Auditoriums	12-14
	Smoking Rooms	15-20





Eco Breeze



Brushless DC Motor Technology

60% Lower Energy Consumption

Improved Reliability

Quieter Operation

Longer Lifetime

Sweeps: 1400, 1200



Elegant fans suitable for every household. Designed for longer and trouble free performance, fitted with decorative trims and rings

Ceiling Fans - Plus Range

Orbin



Venus



Bliss



Sweeps: 1400, 1200

Ceiling Fans - Plus Range

6

Ama



Tahara



Handa



Komaki



Kazuno



Sweeps: 1400, 1200



Misawa



Hirosaki



Narita



Kashiwa



Awara



Sweeps: 1400, 1200

Ceiling Fans - Plus Range

8

Fuzion



Ferastin



Dexter



Zaapix



Tamura



Sweeps: 1400, 1200



New age fans reflecting grandeur and splendor. The opulent and extravagant designs epitomise the rich taste

Ceiling Fans - Classic Range



9



Sweeps: 1400, 1200



Ceiling Fans - Classic Range

Orbax



Pexon



Airvin



Subtle



10



Sweeps: 1400, 1200



Pluton



Zenota



Fuzzel



Cezmon



Sweeps: 1400, 1200

Ceiling Fans - Decorative Range

Brighten the beautiful craftsmanship and decor with cool breeze & illumination. A perfect blend of awe-inspiring designs and functionality

Kana



Urano



Ozzon



Satoshi



Ken



Sora



Ceiling Fans - ME Range

Fans with robust motors suitable for warm desert type Middle East Climate

56HB/GD



56HB



Khaleejia



14



Sweeps: 1400, 1200, 900



High performance fans suitable for Indian subcontinent

Ceiling Fans - I Range

Suisen



Erika



Handy RCF

Wireless Remote Control
For Ceiling Fans



Shion



Sakura



Sweeps: 1200, 900

Ceiling Fans - S Range

24" fans designed for small spaces, rooms, offices and commercial settings with excellent air circulation

Dario



Merlin



Triton



Orbit



Freshy



Ortix



Icoty



Specifications - Ceiling Fans

Item Code	Description	Wattage (W)	Speed (RPM)	Air Delivery (CMM)
Eco Breeze	56" 3 Blade BLDC Ceiling Fan with Remote, AI Body & AI Blade	32	320	240
Orbin	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	220
Venus	56" 3 Blade Ceiling Fan with Regulator, MS Body & AI Blade	75	310	230
Bliss	56" 3 Blade Ceiling Fan with deco trims and Regulator, AI Body & AI Blade	75	280	220
Ama	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	220
Tahara	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	220
Handa	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	220
Komaki	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	220
Kazuno	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	220
Misawa	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	220
Hirosaki	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	220
Narita	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	220
Kashiwa	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	220
Awara	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	220
Fuzion	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	80	290	220
Ferastin	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	80	290	220
Dexter	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	220
Zaapix	56" 3 Blade Ceiling Fan with Regulator, AI Body & AI Blade	75	300	220
Tamura	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	220
Hiroshi	56" 3 Blade Ceiling Fan with Regulator, AI Body & AI Blade	75	290	220
Hana	56" 3 Blade Ceiling Fan with Regulator, AI Body & AI Blade	75	290	220

* Specifications may vary $\pm$ 5%

Voltage : 220 ~ 240 V

Frequency : 50 / 60 Hz

Item Code	Description	Wattage (W)	Speed (RPM)	Air Delivery (CMM)
Joben	56" 3 Blade Ceiling Fan with Regulator, AI Body & AI Blade	75	290	220
Orbax	56" 3 Blade Ceiling Fan with Regulator, AI Body & AI Blade	75	290	220
Pexon	48" 3 Blade Ceiling Fan with Regulator, AI Body & AI Blade	75	300	220
Airvin	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	220
Subtle	56" 3 Blade Ceiling Fan with Regulator, AI Body & AI Blade	75	290	240
Pluton	56" 3 Blade Ceiling Fan with Regulator, AI Body & AI Blade	80	290	220
Zenota	56" 3 Blade Ceiling Fan with Regulator, MS Body & MS Blade	75	300	230
Fuzzel	56" 3 Blade Ceiling Fan with Regulator, MS Body & AI Blade	75	310	230
Cezmon	56" 3 Blade Ceiling Fan with Regulator, MS Body & AI Blade	75	310	230
Kana	56" 3 Blade Chrome Finish Ceiling Fan with 1 light base E27 with regulator, SS Body & SS Blade	70	270	200
Urano	52" 3 Blade White Colour Ceiling Fan with 1 light base E27 with regulator, MS Body & Wooden Blade	65	250	180
Ozzon	56" 3 Blade Ceiling Fan with Remote, inbuilt 7W LED, AI Body & AI Blade	72	300	230
Satoshi	48" 3 Blade Chrome Finish Ceiling Fan with 1 light base E27 with regulator, SS Body & SS Blade	70	290	190
Ken	48" 4 Blade Nickel Finish Ceiling Fan with 1 light base E27 with regulator, SS Body & Wooden Blade	60	240	170
Sora	42" 3 Blade White Colour Ceiling Fan with 1 light base E27 with regulator, Metal Body & ABS Blade	50	220	160
56HB/GD	56" 3 Blade Ceiling Fan with Regulator, ABS Body, MS Blade with Decorative Trims	80	310	230
Khaleejia	56" 3 Blade Decorative type Ceiling Fan with Regulator - AI Body & AI Blade	75	290	220
56HB	56" 3 Blade Ceiling Fan with Regulator, ABS Body & MS Blade	80	310	230
48HB	48" 3 Blade Ceiling Fan with Regulator, ABS Body & MS Blade	80	350	210
36HB	36" 3 Blade Ceiling Fan with Regulator, ABS Body & MS Blade	75	390	200
E56HB	56" 3 Blade Ceiling Fan with Regulator, ABS Body & MS Blade	80	310	230

* Specifications may vary $\pm$ 5%

Voltage : 220 ~ 240 V

Frequency : 50 / 60 Hz

Specifications - Ceiling Fans

Item Code	Description	Wattage (W)	Speed (RPM)	Air Delivery (CMM)
E48HB	48" 3 Blade Ceiling Fan with Regulator, ABS Body & MS Blade	80	350	210
E36HB	36" 3 Blade Ceiling Fan with Regulator, ABS Body & MS Blade	75	390	200
Suisen	48" 3 Blade Ceiling Fan, Al Body & Al Blade	72	380	210
Erika	48" 3 Blade Ceiling Fan, Al Body & Al Blade	72	380	200
Shion	48" 3 Blade Ceiling Fan, Al Body & Al Blade	50	340	200
Sakura	48" 3 Blade Ceiling Fan, Al Body & Al Blade	72	380	220
Dario	24" 4 Blade Ceiling Fan, Decorative Trims with Regulator, Al Body & Al Blade	65	790	110
Merlin	24" 4 Blade Ceiling Fan, Decorative Trims with Regulator, Al Body & Al Blade	65	790	110
Triton	24" 4 Blade Ceiling Fan, Decorative Trims with Regulator, Al Body & Al Blade	65	790	110
Orbit	24" 4 Blade Ceiling Fan, Decorative Trims with Regulator, Al Body & Al Blade	65	790	110
Freshy	24" 4 Blade Ceiling Fan with Regulator, MS Body & MS Blade	65	790	110
Ortix	24" 4 Blade Ceiling Fan, Decorative Trims with Regulator, MS Body & MS Blade	65	790	110
Icoty	24" 4 Blade Ceiling Fan, Decorative Trims with Regulator, MS Body & MS Blade	65	790	110

20



* Specifications may vary $\pm 5\%$

Voltage : 220 ~ 240 V

Frequency : 50 / 60 Hz

Ability to withstand a wide range of voltages | Finger proof powder-coated guards

Jerk-free & uniform oscillation | Aerodynamically designed PP blades

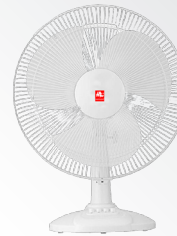
Easy assembly | Aluminium Body Heavy Duty Motor | High Speed & Normal Speed options

Thermal Overload Protection

FPN16



FTN16



FWN16



Rechargeable Fans (Battery Operated)

High performance battery operated fans

RP18



RT12



RT16



TPW Fans

Model	Sweep (mm)	Wattage (W)	Speed RPM	Air Delivery (cmm)
FPN16	400	60	1300	65
FPH16	400	110	2000	90
FWN16	400	60	1300	65
FWH16	400	110	2000	90
FTN16	400	60	1300	65
FTH16	400	110	2000	90

N → Normal Speed
H → High Speed

Rechargeable Fans

Model	Specification	Battery	Input Jack	Output Jack	Charging Time	Performance
RP18	18" Oscillating stand fan, 9 steps speed, 12 powerful SMD for light, AC/DC function, size: 130x50x38 cms	12V, 4.5 Ah, 1400 gm	DC 12V for solar & car charge	DC 5V USB	10 hrs	2.5 hrs at high speed, 4 hrs at middle speed, 15 hrs at low speed
RT16	16" Oscillating table fan, 9 steps speed, 6 powerful SMD for light, AC/DC function, size: 57x43x25 cms	12V, 4.5 Ah, 1400 gm	DC 9V for solar & car charge	DC 5V USB	10 hrs	4 hrs at high speed, 8 hrs at middle speed, 15 hrs at low speed
RT12	12" Oscillating table fan, 9 steps speed, 6 powerful SMD for light, AC/DC function, size: 53x35x25 cms	6V, 4.5 Ah, 720 gm	DC 9V for solar & car charge	DC 5V USB	10 hrs	3.5 hrs at high speed, 6.5 hrs at middle speed, 10 hrs at low speed

* Optional: Remote Available

* Specifications may vary $\pm 5\%$

Voltage : 220 ~ 240 V

Frequency : 50 / 60 Hz

VENTILATING FANS

Effectively drives out foul air and induces fresh ventilation

Refreshes your surroundings

Durable casing and light weight

High quality motor - reliable, quite and trouble free

Available in various sizes, types & specifications to suit different air extraction requirements

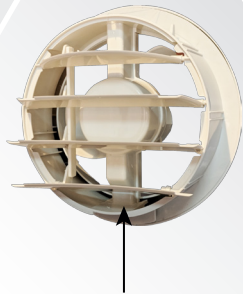
SA15HER



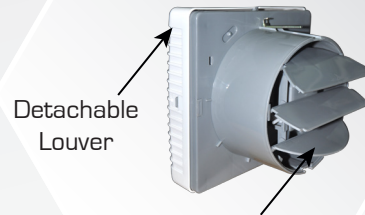
S15HER



S20HER



Automatic Shutter



Detachable
Louver

Electric Shutter

20HASF



Wall Mount Ventilating Fans

Removable oil receptacle to collect grease or oil drippings

20HLES



30HES



15HES



Metal Body

Removable oil receptacle to collect grease or oil drippings

Wall Mount Ventilating Fans [Metal]

20HMES



25HMES



Ceiling Mount Ventilating Fans

The long life motor designed to withstand continuous operation

Adoption of round to square adapter equipped with nail further facilitating duct connection work

Completely sealed and permanently lubricated ball bearings

Pre-painted color steel casing enhances rust resistance

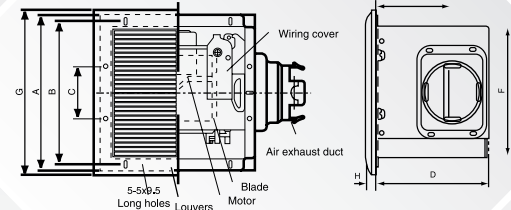
Installation and removal of the louver can be performed by finger touch, thereby permitting easy maintenance

1 Meter wire pre-connected from motor for supply line

17HCV



24HCV



High Pressure Ventilating Fans

Metal Body

Suitable for factory, warehouse, kitchen etc.

Slim design for optimum space utilization and easy installation

High performance fully enclosed motor preventing abnormal temperature rise

Suitable for ambient temperature -10° C to +50° C

25HIS



25AHS



30HIS



30AHS



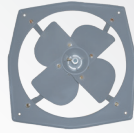
Optional

- * 25AHS - Shutter for 25HIS
- * 30AHS - Shutter for 30HIS

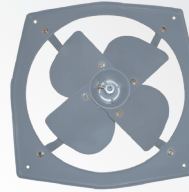
Heavy Duty Industrial Ventilating Fans

Suitable for Industrial settings

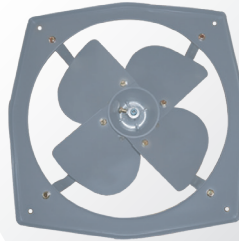
9EIVS



15EIVS



24EIVS



12IEL

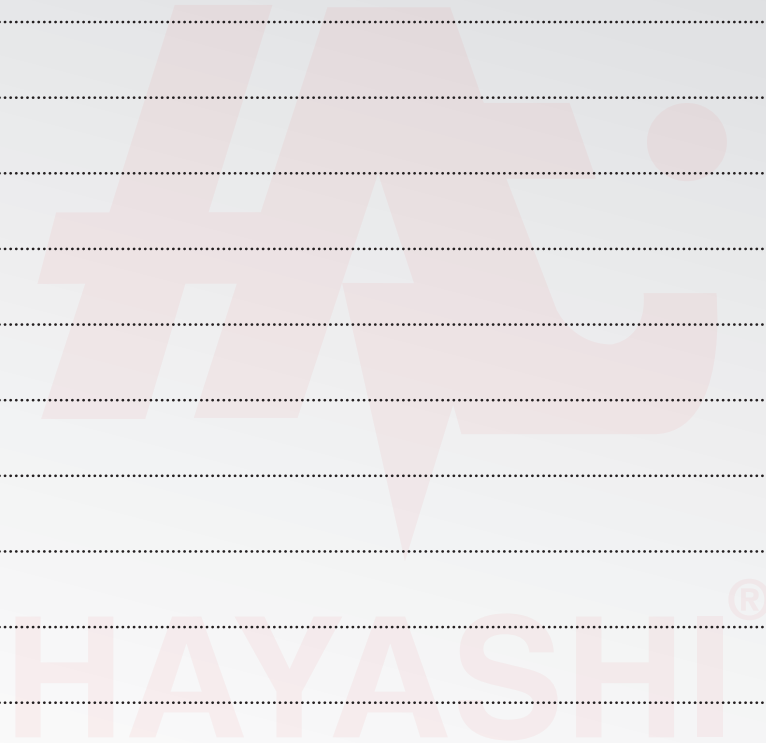


Item Code	Description	Wattage (W)	Speed (RPM)	Air Volume (CMM)
SA15HER	6" Window Mount Round Ventilating Fan, Automatic Shutter	18	2100	3.9
S15HER	6" Window Mount Round Ventilating Fan	13	1520	3.8
S20HER	8" Window Mount Round Ventilating Fan	19	1015	6.7
15HASF	6" Window Mount Ventilating Fan, Electric Shutter	25	1350	4.5
20HASF	8" Window Mount Ventilating Fan, Electric Shutter	30	1300	7.4
20HLES	8" Wall Mount Ventilating Fan with Louver	30	1300	9
15HES	6" Wall Mount Ventilating Fan	25	2400	7
20HES	8" Wall Mount Ventilating Fan	30	1300	9
25HES	10" Wall Mount Ventilating Fan	40	1300	14
30HES	12" Wall Mount Ventilating Fan	45	1250	17
20HMES	8" Wall Mount Metal Ventilating Fan	30	1320	9
25HMES	10" Wall Mount Metal Ventilating Fan	40	1250	15
17HCV	6.8" (17 cm) Ceiling Mount Ventilating Fan	12	850	1.3
24HCV	9.2" (23 cm) Ceiling Mount Ventilating Fan	24	860	2.3
25HIS	10" High Pressure Industrial type Ventilating Fan	60	1400	19
30HIS	12" High Pressure Industrial type Ventilating Fan	70	1400	26
9EIVS	9" Heavy Duty Industrial Ventilating Fan	50	1400	16
12EIVS	12" Heavy Duty Industrial Ventilating Fan	90	1400	29
15EIVS	15" Heavy Duty Industrial Ventilating Fan	155	1400	55
18EIVS	18" Heavy Duty Industrial Ventilating Fan	410	1400	95
24EIVS	24" Heavy Duty Industrial Ventilating Fan	550	900	150
6IEL	6" Industrial Ventilating Fan with Front Grill	53	2600	9
9IEL	9" Industrial Ventilating Fan with Front Grill	65	2200	20
12IEL	12" Industrial Ventilating Fan with Front Grill	85	2100	30

* Specifications may vary $\pm$ 5%

Voltage : 220 ~ 240 V
Frequency : 50 / 60 Hz







Brand Presence



Manufacturing
Base

India | China | Malaysia
Japan | UAE | Oman | Iraq | Rwanda | Vietnam





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