



# THE SENSE OF FRESHNESS



for a greener tomorrow



# WHY GOOD VENTILATION IS NEEDED



To Lead comfortable and healthy life, it is necessary to install ventilating equipments to provide fresh air to circulate throughout the house. Residence without good air circulation can cause the increment of smell, smoke, carbon dioxide gas which causes suffocation, dizziness even can become source of mold and dust mites.

## BENEFITS OF AIR VENTILATION

1. Reduce smoke, odors, humidity and dust in room
2. Purifying air from pollution and excessive heat
3. Improve air quality, provide a healthy environment which will lessen the chance of family health problems
4. Reduce the different temperature between inside and outside of room or residence



## HOW TO GET THE RIGHT VENTILATOR

### STANDARD VALUE IN CIRCULATION

Air ventilation in the room is calculated on how many times air flowing in per hour should flow out, which is called "standard value". From the examination, standard value can ventilate all the air in the room. Standard value can be formulated as follows:

Necessary ventilation volume (m<sup>3</sup> /h)

= Necessary air change rate per hour (time/h) x Room capacity (m<sup>3</sup>)

Residence				Office			
Kitchen	Bathroom	Living room	Bedroom	Bathroom	Work room	Meeting room	Smoking room
15	10	6	6	10	6	12	20

School		Hospital		General Use		
Class room	Library	Bathroom	Bedroom	Bathroom	Room	Room with exhaust gas
6	6	12	6	10	6	20

For example ;

Room size : Floor area 16 (m<sup>2</sup>), Ceiling height 2.7 (m) Capacity = 16 x 2.7 = 43.2 m<sup>3</sup>

When the place in question is assumed to be an office, the required air change rate counts for 6 times/h, therefore, Necessary ventilation volume = 6 x 43.2 = 259.2 m<sup>3</sup>/h.

# CHOOSING THE RIGHT VENTILATOR FOR YOUR ROOM

## COMPARATIVE TABLE OF SPECIFICATIONS

### Table of selection

Air change /hr

Residence			Hotel		Office
Kitchen	Bathroom	Living room	Room	Bathroom	Office
15	10	6	5	10	6

Area (m <sup>2</sup> ) (Air Volume)					
2 (81)	2-3 (81)		2-6 (81)	2-3 (81)	
3-4 (162)	4-6 (162)	6-10 (162)	7-14 (189)	4-6 (162)	7-10 (162)
5-7 (283.5)	7-10 (270)	11-17 (275.4)	15-21 (283.5)	7-10 (270)	11-17 (275.4)
8-9 (364.5)	11-14 (378)	18-23 (372.6)	22-27 (364.5)	11-14 (378)	18-23 (372.6)
10-11 (445.5)	15-16 (432)	24-28 (435.6)	28-35 (472.5)	15-16 (432)	24-28 (453.6)
12-14 (567)	17-21 (567)	29-35 (567)	36-42 (567)	17-21 (567)	29-35 (567)
15-16 (648)	22-25 (675)	36-41 (664.2)		22-25 (675)	36-41 (664.2)
17-18 (729)	26-27 (729)	42-47 (761.4)			42-47 (761.4)
19-21 (850.5)		48-50 (810)			48-50 (810)
22-23 (931.5)					51-59 (955.8)
24-26 (1,053)					60-65 (1,053)
27-29 (1,174.5)					66-74 (1,198.4)

Required Air Volume	Window	Wall	Ceiling	Ceiling
0 - 100				VD-1024T6, VD-1024T6-D VD-1024T6-S (100)
101 - 200				VD-1524T6, VD-1524T6-D VD-1524T6-S (157)
201 - 300	V-15SL6T (230) V-15EWG2T (270)		EX-15SCt (210)	VD-152P4T6 VD-152P4T6-D (217)
301 - 400	V-20SL6T (390)			VD-182m (335)
401 - 500	V-20SLC2.C6 (410) V-20EWG2T (450)		EX-20SCSt (470) EX-20SSCT (470)	VD-202m (438)
501 - 600		EX-20SHr, SHCcr (580) EX-20SKCr (530) EX-20RHr (585/420) Exhaust/Supply		VD-202P4T6 (510/370) High/Low VD-252m (556/383) High/Low
601 - 700			EX-25SCSt (690) EX-25SSCT (690)	
701 - 800				
801 - 900		EX-25SKCr (870)		
901 - 1,000		EX-25SHr, SHCcr (930) EX-25RHr (950/610) Exhaust/Supply EX-25LMPT (955)		
1,001 - 1,100				
1,101 - 1,200		EX-30SHr, SHCcr (1,180) EX-30RHr (1,180/790) Exhaust/Supply		

The ventilating volume is calculated according to the standard of air change rates defined by The Society of Heating, Air Conditioning and Sanitary Engineers of Japan.

\*Assumed height of ceiling = 2.7m

## MITSUBISHI ELECTRIC VENTILATOR

The world is moving forward all time as we never stop innovating and developing Mitsubishi Electric ventilators to ensure better efficiency of Mitsubishi Electric ventilators in terms of perfect standard air ventilation, easy installation, low noise, variety of styles to suit every room and every purpose with Premium Safety Standard... helps you and your family to be comfortable and free from worries for safety with Mitsubishi Electric ventilators.

## ENVIRONMENTALLY FRIENDLY

Restrict the use of 6 hazardous substances that are harmful to environment in electronics products according to RoHs requirements of European Union (EU). (The 6 prohibitive substances are lead, mercury, cadmium, chromium-hexavalent, polybrominated-biphenyl and polybrominated-biphenyl-ether)

## PREMIUM SAFETY STANDARD

Attentive to every detail for safety and increases confidence for every use

### ▶ CAPACITOR

With metal cover and fire retardant materials

### ▶ TERMINAL BLOCK

Electric wire connector for Duct ventilator is firm, easy to install and made of fire retardant materials

### ▶ ELECTRIC WIRE

More confidence with fire retardant insulation

### ▶ THERMAL FUSE

Automatically cut-off when the temperature rises too high



# INCREASE COMFORT WITH QUIET OPERATION

Innovative new 5-blades design of Mitsubishi Electric propeller fan, named "Extra Winglet Fan", has the same concept as the aircraft's wing, called "Winglet", control the direction of airflow and reduce the air vortex fluctuation, which causes the noise. Comparing with previous model, the new model's noise level can be reduced up to **2.5 dB**. Thanks to the "Extra Winglet Fan".

\*Compared Model: EX-30SH5T and EX-30SH3T (Based on 220 V 50 Hz Model)



**EXTRA WINGLET FAN**

## EASY TO CLEAN (ONE-TOUCH ATTACH/REMOVE OF PROPELLER FAN)

The propeller fan can easily be attached or removed, by just simply pushing one button, thus, no need to worry about removing the propeller for cleaning anymore.

Remove the blade by simply pushing one button!



## CARING TECHNOLOGY FOR YOUR FRESH BREATH

Mitsubishi duct type ventilators model VD-10Z4T□-D, VD-15Z4T□-D, VD-15ZP4T□-D and VD-15ZP4T5-D with smart delay timer are designed for your fresh and hygienic breath. Delay timer technology offers you with special function which continues to ventilate for another 10 minutes after being switched off, fully get rid of bad odor. Truly providing you fresh air and hygienic ambience.

## TYPE AND USAGE OF VENTILATOR

Types / Usages	Wall mounted	Window mounted	Ceiling mounted	Duct	Duct with Delay Timer
Living room	●	●	●	●	●
Kitchen	●	●	●	●	●
Toilet	●	●	●	●	●
Bedroom	●	●	●	●	●
Office	●	●	●	●	●

\* In case of using ceiling mounted type, ceiling is required to have air outlet.

## DUST CORRECTION COMPARISON

Our innovative technology, the sirocco coated with distinctive agent, less duct collecting, less cleaning required, prolong the performance and extend the product life time.



## COMPACT BUT POWERFUL

Thickness of the new Mitsubishi Electric EX-fans are dramatically reduced from the previous models which enhance the exterior design and enable an installation to thinner wall. In addition by adopting the new Extra Winglet Fan, the basic performance has also been improved.

Compact front cover 13~20 mm.\* reduced



Unit : mm.

## THICKNESS

Model	Previous Model	New Model	Difference
EX-20SH5T	50	36	-14
EX-25SH5T	50	32	-18
EX-30SH5T	65	45	-20
EX-20SKC5T	77	64	-13
EX-25SKC5T	77	60	-17

# WALL-MOUNTED VENTILATOR

**Extra winglet Fan**

Feel pure, clean, and fresh air as you are amid the nature by Mitsubishi Electric Wall-mounted ventilator for your health and be comfortable everywhere.

**EX-20SH5T (8 INCHES)**  
**EX-25SH5T (10 INCHES)**  
**EX-30SH5T (12 INCHES)**

- Operates quietly
- Energy efficient
- Easy to clean



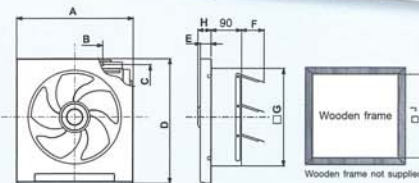
## DIMENSIONS

Unit : mm.

Model	A	B	C	D	E	F	G	H	J
EX-20SH5T	296	120	265	320	36	40	240	36	250
EX-25SH5T	346	170	315	370	32	57	290	32	300
EX-30SH5T	396	220	365	420	45	70	340	45	350

wooden frame inner dimensions

- EX-20SH5T  250
- EX-25SH5T  300
- EX-30SH5T  350



## SPECIFICATIONS

Model	Rated Voltage (V)	Frequency (Hz)	Exhaust/Supply	Rated Current (A)	Power Consumption (W)	RPM	Airflow Rate		Noise Level (dB)	Weight (kg)
							m <sup>3</sup> /h	CFM		
EX-20SH5T	220	50	Exhaust	0.10	19.0	1,330	580	341	39.0	2.2
EX-25SH5T			Exhaust	0.12	25.0	1,160	930	547	39.0	2.5
EX-30SH5T			Exhaust	0.15	31.0	900	1,160	683	37.0	2.9

**EX-20SHC5T (8 INCHES)**  
**EX-25SHC5T (10 INCHES)**  
**EX-30SHC5T (12 INCHES)**

- Operates quietly
- Energy efficient
- Easy to clean
- Specially designed with an Oil-Catcher

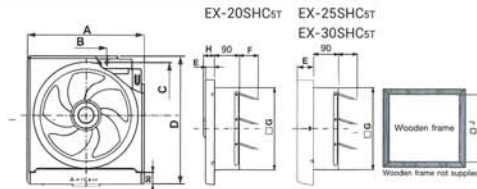
## DIMENSIONS

Unit : mm.

Model	A	B	C	D	E	F	G	H	J
EX-20SHC5T	296	120	265	320	36	40	240	36	250
EX-25SHC5T	346	170	315	362	50	57	290	50	300
EX-30SHC5T	396	220	365	412	65	70	340	65	350

wooden frame inner dimensions

- EX-20SHC5T  250
- EX-25SHC5T  300
- EX-30SHC5T  350



## SPECIFICATIONS

Model	Rated Voltage (V)	Frequency (Hz)	Exhaust/Supply	Rated Current (A)	Power Consumption (W)	RPM	Airflow Rate		Noise Level (dB)	Weight (kg)
							m <sup>3</sup> /h	CFM		
EX-20SHC5T	220	50	Exhaust	0.10	19.0	1,330	580	341	39.0	2.2
	230			0.08	17.0	1,300	550	324	37.0	
	240			0.08	19.0	1,330	560	330	37.0	
	220			60	0.11	24.5	1,565	670	394	
EX-25SHC5T	220	50	Exhaust	0.12	25.0	1,160	930	547	39.0	2.7
	230			0.11	25.0	1,130	930	547	38.0	
	240			0.11	26.0	1,160	940	553	39.0	
	220			60	0.15	33.0	1,190	970	571	
EX-30SHC5T	220	50	Exhaust	0.15	31.0	900	1,160	683	37.0	3.2
	230			0.14	31.0	850	1,180	695	36.0	
	240			0.14	33.0	930	1,240	730	38.0	
	220			60	0.19	41.0	900	1,100	647	

**Extra winglet Fan**



**EX-20RH5T (8 INCHES)**  
**EX-25RH5T (10 INCHES)**  
**EX-30RH5T (12 INCHES)**

- Reversible
- Operates quietly
- Easy to clean
- Energy efficient

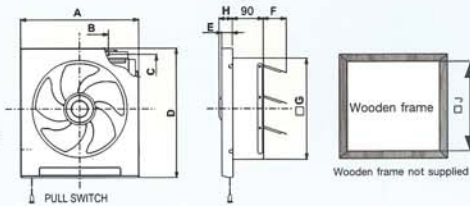
**DIMENSIONS**

Unit : mm.

Model	A	B	C	D	E	F	G	H	J
EX-20RH5T	296	120	265	320	36	52	240	36	250
EX-25RH5T	346	170	315	370	32	68	290	32	300
EX-30RH5T	396	220	365	420	45	85	340	45	350

wooden frame inner dimensions

- EX-20RH5T  250
- EX-25RH5T  300
- EX-30RH5T  350



**Extra winglet Fan**



This Model is available in Thailand, Cambodia, Myanmar and Laos only.

**SPECIFICATIONS**

Model	Rated Voltage (V)	Frequency (Hz)	Exhaust/Supply	Rated Current (A)	Power Consumption (W)	RPM	Airflow Rate		Noise Level (dB)	Weight (kg)
							m <sup>3</sup> /h	CFM		
EX-20RH5T	220	50	Exhaust	0.08	18.0	1,350	585	344	37.5	2.2
			Supply	0.07	15.0	1,330	420	247	46.5	
EX-25RH5T	220	50	Exhaust	0.11	25.0	1,085	950	559	38.0	2.5
			Supply	0.08	19.0	945	610	359	44.0	
EX-30RH5T	220	50	Exhaust	0.15	31.0	920	1,180	695	36.5	2.9
			Supply	0.12	25.0	800	750	441	43.5	

**EX-20SKC5T (8 INCHES)**  
**EX-25SKC5T (10 INCHES)**  
**EX-30SKC5T (12 INCHES)**

- Operates quietly
- Beautiful Grille
- Energy efficient

- White
- Brown

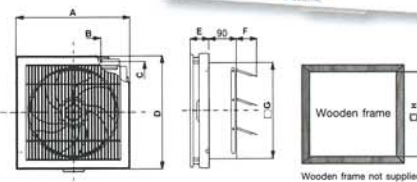
**DIMENSIONS**

Unit : mm.

Model	A	B	C	D	E	F	G	H
EX-20SKC5T	296	120	265	296	64	40	240	250
EX-25SKC5T	346	170	315	346	60	57	290	300
EX-30SKC5T	396	220	365	396	80	70	340	350

wooden frame inner dimensions

- EX-20SKC5T  250
- EX-25SKC5T  300
- EX-30SKC5T  350



**Extra winglet Fan**



**SPECIFICATIONS**

Model	Rated Voltage (V)	Frequency (Hz)	Exhaust/Supply	Rated Current (A)	Power Consumption (W)	RPM	Airflow Rate		Noise Level (dB)	Weight (kg)
							m <sup>3</sup> /h	CFM		
EX-20SKC5T	220	50	Exhaust	0.10	19.0	1,330	530	312	39.0	2.3
	230			0.08	17.0	1,300	540	318	39.0	
	240			0.08	19.0	1,320	550	324	40.0	
	220			60	0.11	24.5	1,530	640	377	
EX-25SKC5T	220	50	Exhaust	0.12	25.0	1,120	870	512	40.5	2.7
	230			0.11	25.0	1,030	820	483	39.0	
	240			0.11	26.0	1,080	860	506	40.0	
	220			60	0.15	33.0	1,150	900	530	
EX-30SKC5T	220	50	Exhaust	0.14	31.0	810	1,080	636	36.0	3.2

# WALL-MOUNTED VENTILATOR

**EX-20RHK5T (8 INCHES)**  
**EX-25RHK5T (10 INCHES)**  
**EX-30RHK5T (12 INCHES)**

- Reversible
- Easy to clean
- Beautiful Grille
- Operates quietly
- Energy efficient

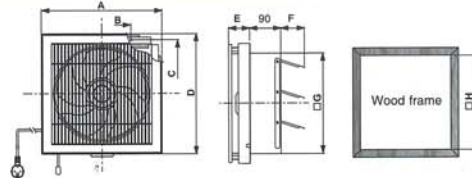
## DIMENSIONS

Unit : mm.

Model	A	B	C	D	E	F	G	H
EX-20RHK5T	296	120	265	296	64	52	240	250
EX-25RHK5T	346	170	315	346	60	68	290	300
EX-30RHK5T	396	220	365	396	80	85	340	350

wooden frame inner dimensions

- EX-20RHK5T □ 250
- EX-25RHK5T □ 300
- EX-30RHK5T □ 350



## SPECIFICATIONS

Model	Rated Voltage (V)	Frequency (Hz)	Exhaust/Supply	Rated Current (A)	Power Consumption (W)	RPM	Airflow Rate		Noise Level (dB)	Weight (kg)
							m <sup>3</sup> /h	CFM		
EX-20RHK5T	220	50	Exhaust	0.08	18.0	1,350	580	341	37.5	2.3
			Supply	0.07	15.0	1,330	460	271	46.5	
EX-25RHK5T	220	50	Exhaust	0.11	24.0	1,070	890	524	38.0	2.7
			Supply	0.08	18.0	980	660	388	44.0	
EX-30RHK5T	220	50	Exhaust	0.15	31.0	890	1,140	671	36.5	3.3
			Supply	0.12	26.0	850	840	494	43.5	

## EX-25LMPT (10 INCHES)

EX-25LMPT is designed for distinctive application especially for kitchen, well-built with body and blade steel, long-lasting with heat and oily robustness.

- Operates quietly
- Easy to clean
- Energy efficient
- All Metal Body

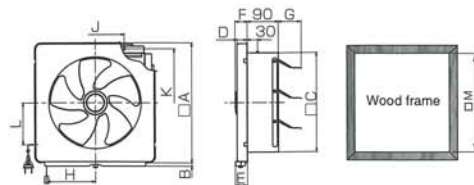
## DIMENSIONS

Unit : mm.

Model	A	B	C	D	E	F	G	H	J	K	L	M
EX-25LMPT	350	10	290	30	35	36	67	141	170	315	122	300

wooden frame inner dimensions

- EX-25LMPT □ 300



## SPECIFICATIONS

Model	Rated Voltage (V)	Frequency (Hz)	Exhaust/Supply	Rated Current (A)	Power Consumption (W)	RPM	Airflow Rate		Noise Level (dB)	Weight (kg)
							m <sup>3</sup> /h	CFM		
EX-25LMPT	220	50	Exhaust	0.16	30.0	1,100	955	562	40.0	3.2

# WINDOW-MOUNTED VENTILATOR

Looks elegant in every room with Mitsubishi Electric Window-mounted ventilator and operates quietly without disturbance noise. Be durable and energy saving by high efficient motor.

**V-15EWG2T (6 INCHES)**  
**V-20EWG5T (8 INCHES)**

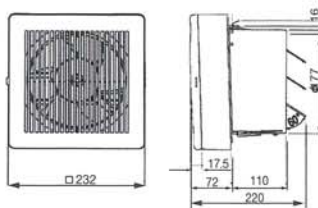
The Delta Extra Fan equipped in V-15EWG's design is the further advancement of Mitsubishi Electric unique wing-shape fan blade so as to achieve stronger airflow, lower noise level and greater energy saving. From general dwelling to commercial stores, these units provide comfort in wide range of applications.

Apart from this, the shutter opening / closing is linked to the operation of the geared motor. Even in the severe environment such as strong wind blowing outside, the ventilator can still operate normally and safely.

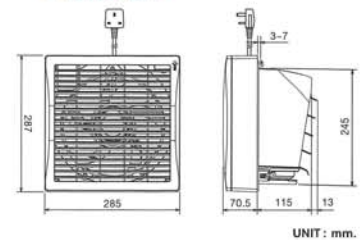


## DIMENSIONS

V-15EWG2T



V-20EWG5T



UNIT : mm.

## SPECIFICATIONS

Model	Rated Voltage (V)	Frequency (Hz)	Rated Current (A)	Power Consumption (W)	RPM	Airflow Rate		Noise Level (dB)	Weight (kg)
						m <sup>3</sup> /h	CFM		
V-15EWG2T	220	50	0.08	14.5	1,920	270	159	44.0	1.8
		60	0.115	24.0	1,450	450	265	40.0	
V-20EWG5T	230	50	0.090	19.0	1,290	460	271	42.0	2.6
		60	0.120	26.0	1,490	515	303	45.5	
	240	50	0.092	22.0	1,290	460	271	42.0	
		60	0.120	26.0	1,490	515	303	45.5	

Performance values are based on Japanese Industrial Standard C9603. Noise Levels were measured in an anechoic chamber.



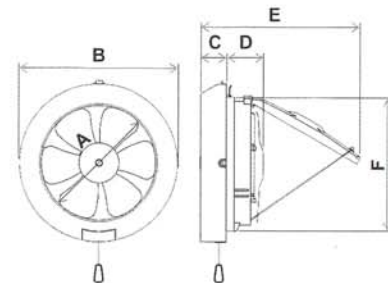
**V-15SL6T (6 INCHES)**  
**V-20SL6T (8 INCHES)**

- Operates quietly
- Energy efficient
- Easy to clean

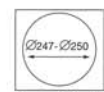
## DIMENSIONS

Unit : mm.

Model	A	B	C	D	E	F
V-15SL6T	150	210	43	58	211	178
V-20SL6T	200	276	34	63	264	237



V-15SL6T Glass installation Dimension



V-20SL6T Glass installation Dimension

## SPECIFICATIONS

Model	Rated Voltage (V)	Frequency (Hz)	Exhaust/Supply	Rated Current (A)	Power Consumption (W)	RPM	Airflow Rate		Noise Level (dB)	Weight (kg)
							m <sup>3</sup> /h	CFM		
V-15SL6T	220-240	50	Exhaust	0.04	8.0	1,550	230	135	39.0	1.1
				0.04	8.7-9.4	1,680-1,740	240-250	141-147		
V-20SL6T	220-240	50	Exhaust	0.06	13.0	1,280	390	230	39.0	1.2
				0.07	14.5-16.0	1,300-1,350	400-420	235-247		





# CEILING-MOUNTED VENTILATOR

- EX-15SC<sub>T</sub> (6 INCHES)
- EX-20SC<sub>5T</sub> (8 INCHES)
- EX-25SC<sub>5T</sub> (10 INCHES)

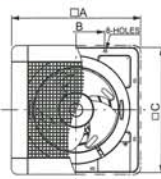
- Operates quietly
- Energy efficient
- Easy to clean

## DIMENSIONS

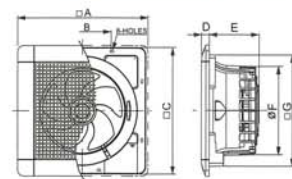
Unit : mm.

Model	A	B	C	D	E	F	G	H	J
EX-15SC <sub>T</sub>	250	140	241	20	108	174	207	25.4	210
EX-20SC <sub>5T</sub>	330	144	320	20	125	218	280	25.4	285
EX-25SC <sub>5T</sub>	380	180	372	20	134	268	332	25.4	337

EX-15SC<sub>T</sub>



EX-20SC<sub>5T</sub>, EX-25SC<sub>5T</sub>



WOODEN FRAME



wooden frame inner dimensions

- EX-15SC<sub>T</sub> □ 210
- EX-20SC<sub>5T</sub> □ 285
- EX-25SC<sub>5T</sub> □ 337

## SPECIFICATIONS

Model	Rated Voltage (V)	Frequency (Hz)	Exhaust/Supply	Rated Current (A)	Power Consumption (W)	RPM	Airflow Rate		Noise Level (dB)	Weight (kg)
							m <sup>3</sup> /h	CFM		
EX-15SC <sub>T</sub>	220	50	Exhaust	0.065	14.0	1,500	210	124	36.0	1.2
	230			0.07	15.0	1,550	220	129	37.0	
	240			0.07	16.0	1,600	230	135	38.0	
EX-20SC <sub>5T</sub>	220	50	Exhaust	0.09	18.0	1,350	470	277	40.0	1.8
	230			0.07	17.0	1,320	470	277	41.0	
	240			0.08	19.0	1,340	480	283	41.0	
EX-25SC <sub>5T</sub>	220	50	Exhaust	0.11	23.0	1,100	690	406	39.5	2.2
	230			0.09	22.0	920	640	377	38.0	
	240			0.10	23.0	980	680	400	40.0	

## INSTALLATION WITH WOODEN FRAME CEILING

### AIR VENTILATION CEILING-MOUNTED INSTALLATION CAUTION

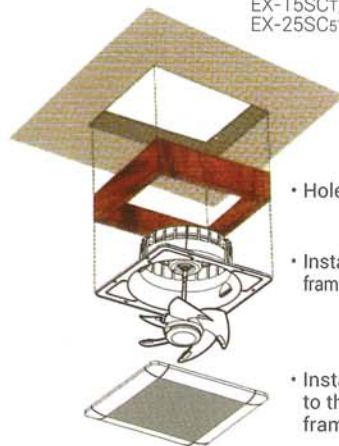
It is necessary to have enough space between ceiling and roof which facilitate air outlet.



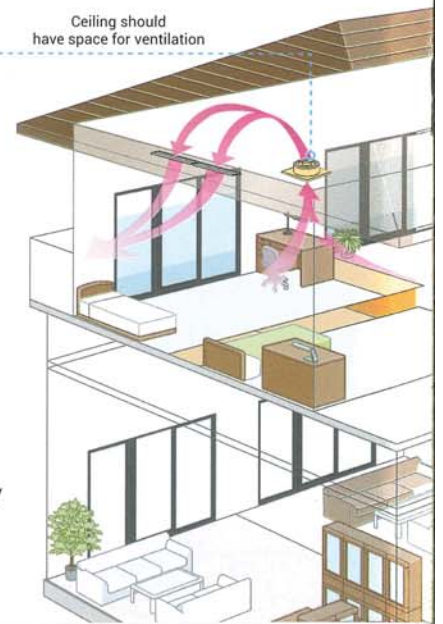
### CEILING TYPE WITHOUT PIPE

EX-15SC<sub>T</sub>, EX-20SC<sub>5T</sub>, EX-25SC<sub>5T</sub>

Ceiling should have space for ventilation



- Hole at ceiling
- Install Wooden frame to the hole
- Install Main Body to the wooden frame





**EX-20SSCT (8 INCHES)**  
**EX-25SSCT (10 INCHES)**

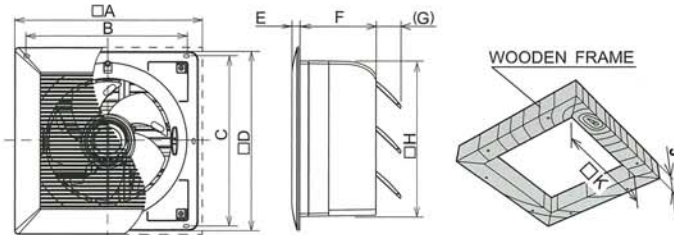
**LOW NOISE TYPE**

- Pressure-type with centrifugal fan.
- Equipped with back-draft shutter.
- Snap-fit grille.
- Quick connect terminal.
- Slide-type installation and removal.

**DIMENSIONS**

Unit : mm.

Model	Size	A	B	C	D	E	F	G	H	J	K
EX-20SSCT	20	330	276	300	316	14.2	138	45	280	25.4	285
EX-25SSCT	25	380	332	349	368	17	138	56	332	25.4	337



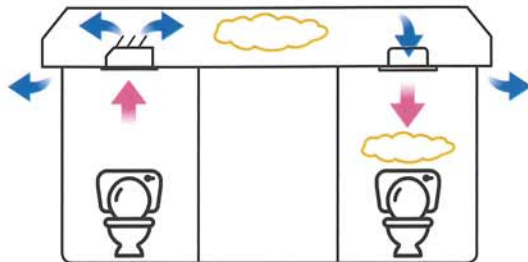
Wooden frame has been prepared by customer

- EX-20SSCT □ 285
- EX-25SSCT □ 337

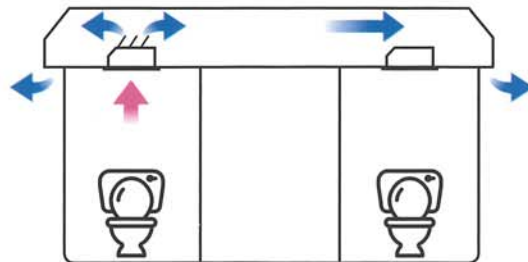
**SPECIFICATIONS**

Model	Rated Voltage (V)	Frequency (Hz)	Exhaust/Supply	Rated Current (A)	Power Consumption (W)	RPM	Airflow Rate		Noise Level (dB)	Weight (kg)
							m <sup>3</sup> /h	CFM		
EX-20SSCT	220	50	Exhaust	0.09	19.0	1,290	470	277	40.0	2.9
	230			0.08	18.0	1,300	480	283	41.0	
	240			0.085	20.0	1,300	480	283	41.0	
EX-25SSCT	220	50	Exhaust	0.12	25.5	1,020	690	406	40.5	3.4
	230			0.11	24.5	1,020	690	406	40.5	
	240			0.11	25.5	1,020	720	424	41.5	

**NORMAL DESIGN WITH OUT GRILLE**



**CEILING TYPE WITH GRILLE**



# DUCT VENTILATOR WITH DELAY TIMER

With delay timer, the ventilator continues to ventilate for another 10 minutes after being switched off. Providing fresh air and hygienic ambience to your life.

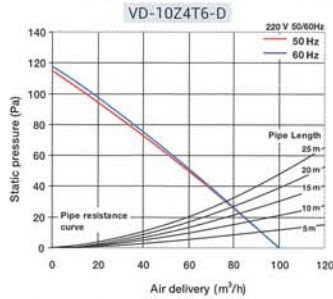
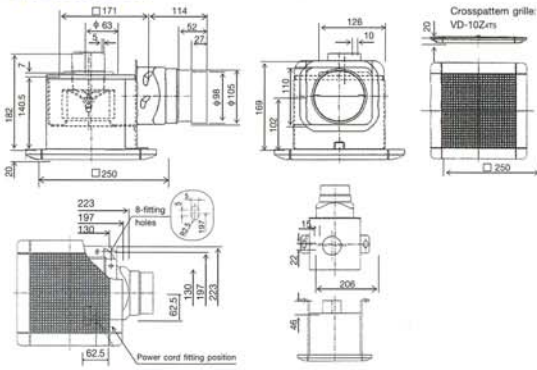


**VD-10Z4T6-D**  
**VD-15Z4T6-D**  
**VD-15ZP4T6-D**

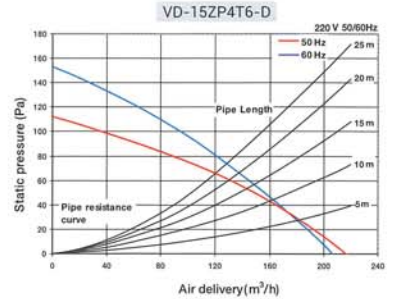
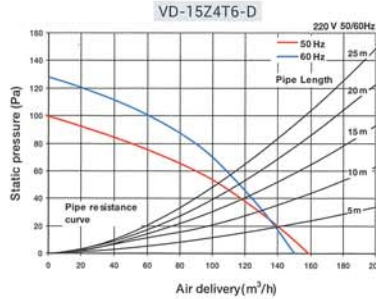
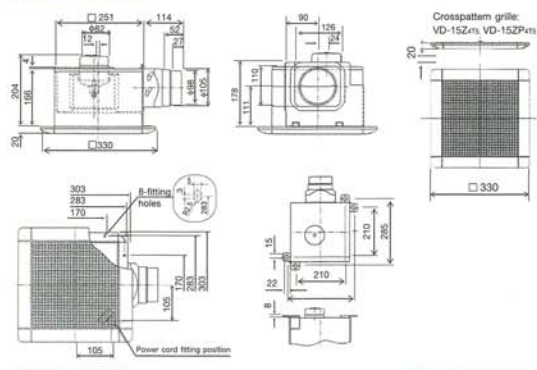


- Pressure-type with centrifugal fan.
- Humidity-resistant plastic grille.
- Equipped with back-draft shutter.
- Snap-fit grille.
- Quick connect terminal.
- Slide-type installation and removal.

## VD-10Z4T6-D DIMENSIONS



## VD-15Z4T6-D, VD-15ZP4T6-D DIMENSIONS



## SPECIFICATIONS

Model	Rated Voltage (V)	Frequency (Hz)	Rated Current (A)	Power Consumption (W)	RPM	Airflow Rate		Noise Level (dB)	Weight (kg)	
						m³/h	CFM			
VD-10Z4T6-D	220	50	0.06	11.0	900	100	59	29.0	2.2	
	230		0.06	12.0	950	105	62	31.0		
	240		0.06	13.0	980	110	65	32.0		
	220		60	0.07	13.0	910	100	59		31.0
	230		0.07	14.0	960	105	62	32.0		
VD-15Z4T6-D	220	50	0.07	14.0	670	157	92	28.0	3.4	
	230		0.07	15.0	725	172	101	30.0		
	240		0.07	16.0	750	182	107	32.0		
	220		60	0.08	17.0	650	150	88		28.0
	230		0.08	19.0	700	160	94	30.0		
VD-15ZP4T6-D	220	50	0.09	19.0	870	217	128	35.0	3.4	
	230		0.09	20.0	900	225	132	36.0		
	240		0.09	22.0	950	240	141	38.5		
	220		60	0.11	23.0	820	205	121		34.0
	230		0.12	26.0	880	210	124	35.0		

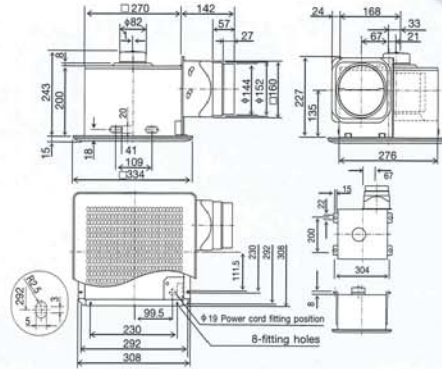


## VD-18Z4T5

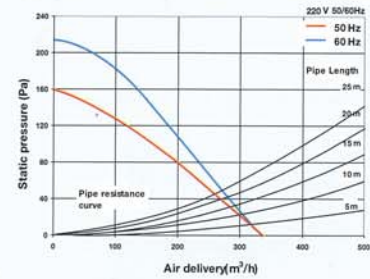
### METAL GRILLE

- Pressure-type with centrifugal fan.
- Equipped with back-draft shutter.
- Snap-fit grille.
- Quick connect terminal.
- Slide-type installation and removal.

### DIMENSIONS



- Grille aperture area : 319 cm<sup>2</sup>
- Ceiling recess size : 280 mm square (edge height : 40 mm max)

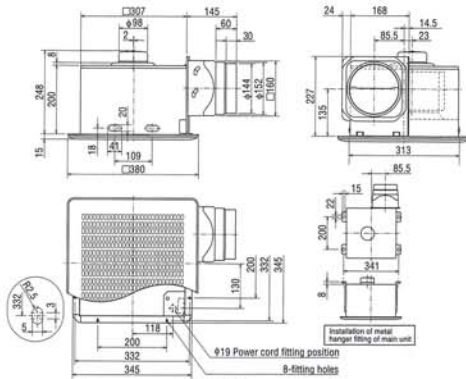


### SPECIFICATIONS

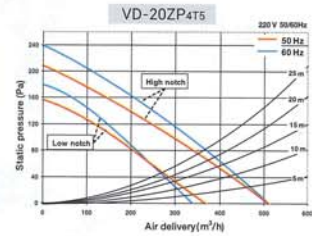
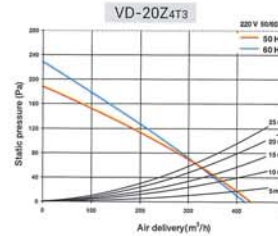
Model	Rated Voltage (V)	Frequency (Hz)	Rated Current (A)	Power Consumption (W)	RPM	Airflow Rate		Noise Level (dB)	Weight (kg)
						m <sup>3</sup> /h	CFM		
VD-18Z4T5	220	50	0.15	31.0	600	335	197	35.0	5.8
	230		0.16	34.0	620	355	209	37.0	
	240		0.16	37.0	650	365	215	39.0	
	220	60	0.19	39.0	580	335	197	35.0	
	230		0.19	42.0	600	345	203	37.0	
	240		0.19	45.0	630	355	210	39.0	

## VD-20Z4T3 VD-20ZP4T5

### DIMENSIONS



- Grille aperture area : 435 cm<sup>2</sup>
- Ceiling recess size : 315 mm square (edge height : 45 mm max)



### SPECIFICATIONS

Model	Rated Voltage (V)	Frequency (Hz)	Notch	Rated Current (A)	Power Consumption (W)	RPM	Airflow Rate		Noise Level (dB)	Weight (kg)
							m <sup>3</sup> /h	CFM		
VD-20Z4T3	220	50	-	0.20	42.0	700	430	253	39.0	6.5
	230		0.21	46.0	730	440	259	41.0		
	240		0.22	50.0	760	460	271	42.0		
	220	60	-	0.25	51.0	670	420	247	39.0	
	230		0.26	56.0	700	430	253	40.0		
	240		0.26	59.0	730	440	259	41.0		
VD-20ZP4T5	220	50	High	0.26	53.0	840	510	300	43.0	7.4
	230			0.27	58.0	860	530	312	45.0	
	240			0.28	62.0	890	550	324	46.0	
	220		Low	0.16	37.0	610	370	218	37.0	
	230			0.17	40.0	640	380	224	38.0	
	240	60	High	0.18	42.0	670	420	247	39.0	
	220			0.35	66.0	838	513	302	44.0	
	230			0.37	73.0	854	538	317	45.0	
	220		Low	0.22	45.0	651	388	228	36.0	
	230			0.23	49.0	683	388	228	37.0	

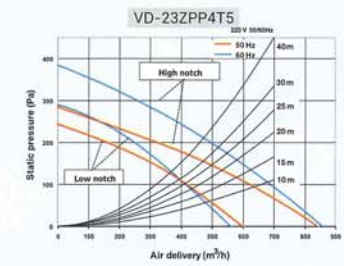
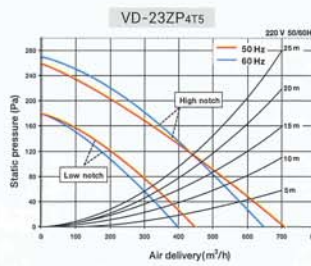
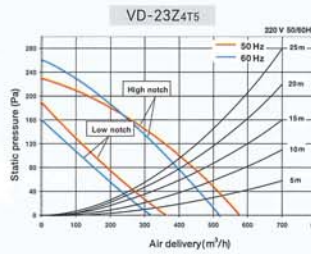
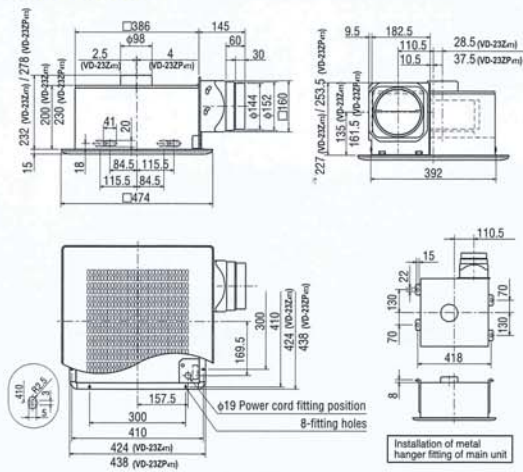
\*Specifications subject to change without notice.

# VD-23Z4T5 VD-23ZP4T5 VD-23ZPP4T5

## METAL GRILLE

- Pressure-type with centrifugal fan.
- Equipped with back-draft shutter.
- Two speed (High and Low) ventilation.
- Snap-fit grille.
- Quick connect terminal.
- Slide-type installation and removal.

## DIMENSIONS



## SPECIFICATIONS

Model	Rated Voltage (V)	Frequency (Hz)	Notch	Rated Current (A)	Power Consumption (W)	RPM	Airflow Rate		Noise Level (dB)	Weight (kg)		
							m³/h	CFM				
VD-23Z4T5	220	50	High	0.35	75.0	650	580	341	46.0	8.6		
	230			0.36	82.0	690	600	353	47.0			
	240			0.37	87.0	720	630	371	48.0			
	220		Low	0.16	37.0	440	360	212	35.0			
	230			0.17	40.0	460	360	212	36.0			
	240			0.18	43.0	480	390	230	37.0			
	220	60	High	0.38	81.0	660	579	341	42.0			
	230			0.39	88.0	694	607	357	43.0			
	220			Low	0.16	37.0	440	377	222		32.0	
	230		0.17		40.0	453	389	229	33.0			
	220		50		High	0.43	95.0	930	715		421	48.0
	230			0.45		100.0	960	720	424		49.0	
240	0.46	107.0		980		770	453	50.0				
220	Low	0.26		59.0	600	450	265	39.0				
230		0.27		62.0	630	460	271	40.0				
240		0.30		67.0	660	490	288	41.0				
220	60	High	0.48	103.0	854	665	391	46.0				
230			0.50	111.0	900	703	414	47.0				
220			Low	0.26	58.0	602	440	259	36.0			
230		0.27		62.0	618	465	274	37.0				
220		50		High	0.58	125.0	1,085	860	506	50.0	9.7	
230			0.59		130.0	1,120	880	353	52.0			
240	0.59		140.0		1,140	900	330	52.0				
220	Low		0.50	105.0	805	600	377	43.0				
230			0.51	110.0	855	640	353	46.0				
240			0.52	115.0	885	660	388	47.0				
220	60	High	0.71	155.0	1,075	860	506	52.0				
230			0.73	165.0	1,110	890	524	53.0				
220			Low	0.55	110.0	750	560	330	43.0			
230		0.57		115.0	800	600	353	44.0				

\*Specifications subject to change without notice.



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