Panasonic

NEW



Shielding Efficiency* 2% UP

AIR CURTAIN

- Wide & Uniform Airflow
- Low Power Consumption
- Low Noise

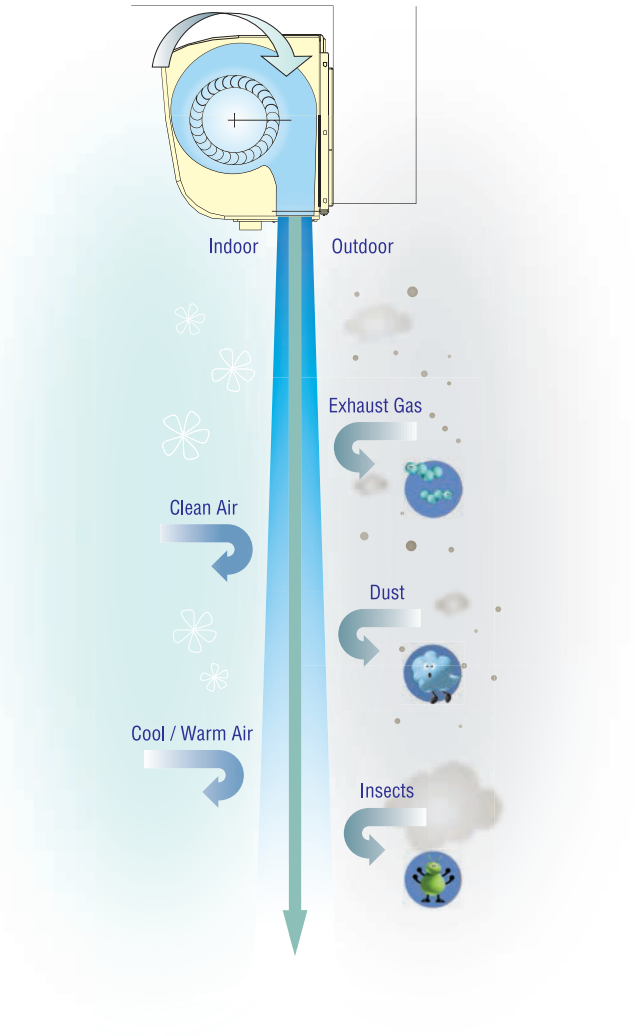
Product Lineup

	Efficient Distance			
Width	**2.5m**	**3m**	**3.5m**	**4m**
900mm	FY-2509U1	FY-3009U1	FY-3509U1	FY-4009U1
1200mm	FY-2512U1	FY-3012U1	FY-3512U1	FY-4012U1
1500mm	FY-2515U1	FY-3015U1	FY-3515U1	FY-4015U1



Effects of Air Curtain

Doors of a shop need to be opened frequently to let people pass through. However, opening door allows air leaks to outside that increases energy consumption of air conditioning. By using Air Curtain, an invisible air screen will build up to minimize air exchange between the air outdoor and indoor.



Heating / Cooling Retention

Retains heated or cooled air within the space which entrance is frequently opened such as restaurants, shopping malls, etc. It allows minimum temperature fluctuation in the space area (*1)

Odor Shielding

Prevents odors from special function rooms, such as vegetable preparation rooms and chemical labs, etc., and also the automobile exhaust fumes from outside street (*1)

Insect-proof Effect

Checks out annoying, harmful and germ-laden insects to maintain the required health and sanitation standards in the space area (*2)

Dust-proof Effect

Screens out dirt and dust from outside street that maintains a clean environment for food or clothing stores (*1)

(*1) Outside wind, air flow from air conditioners, using ventilators, etc., may significantly lower the shielding effectiveness.
(*2) The effectiveness against insects depends largely on the kind of insect, surrounding environment, air velocity of the air curtain, etc. If more effective insect prevention is required, use the air curtain in combination with other methods.

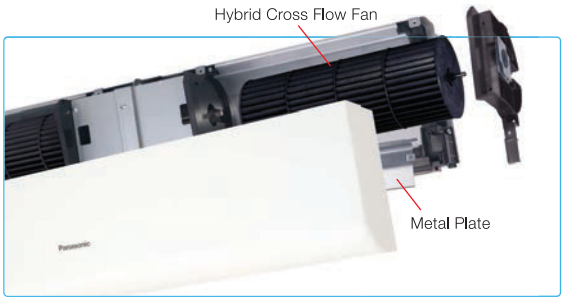
An air curtain's shut-out ability is determined by the air velocity at the center of its airflow. The powerful discharge of Panasonic Air Curtains enables them to maintain a high level of air velocity within the curtain's efficient distance, resulting in superior shut-out ability.



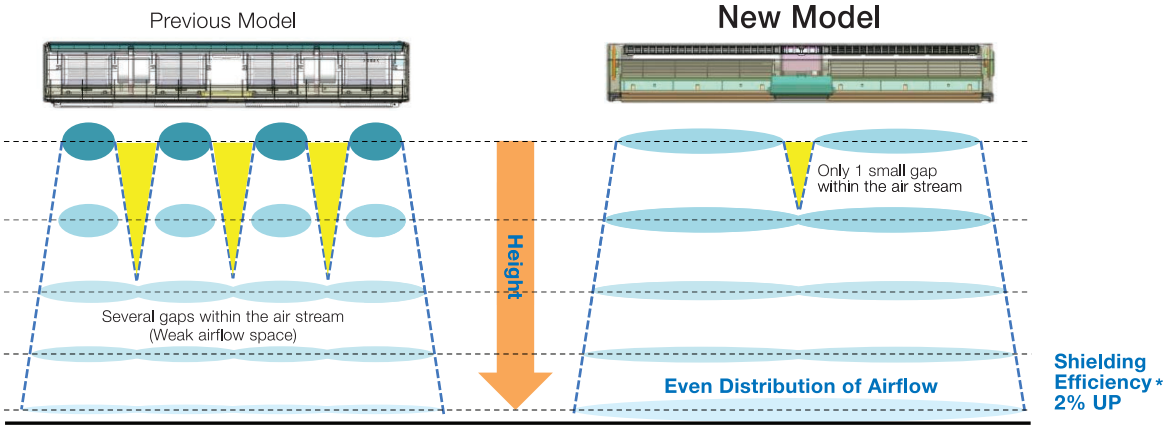
Feature Highlight

1. Efficient Barrier Effect

- Cross Flow Fan is adopted that airflow distribution is wide and uniform within the air stream while the air volume output can be maintained with low noise level.
- Unique Auxiliary Air Inlet allows more air intake at lower front that enhances airflow output.



■ Wide and Uniform Airflow

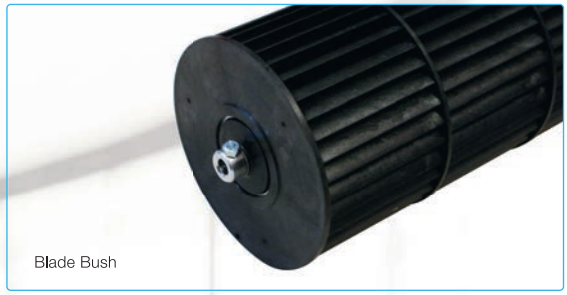


■ Thick Air Stream



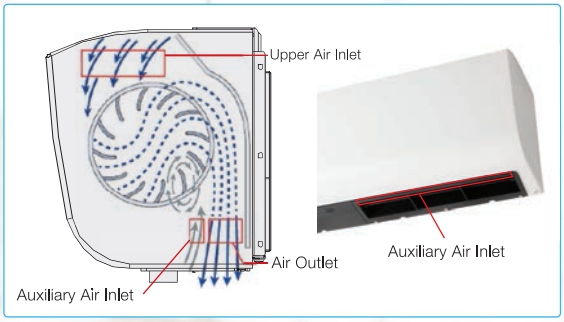
2. Highly Durable

- Resin with glass fiber material is used in the Hybrid Cross Flow Fan. Incorporated with the metal bush, the durability is prolonged significantly.



3. Easy Maintenance

- The Cross Flow Fan can generate air current between the fan and front cover forming movement of dust that reduces accumulation of dust on the fan blade.
- Simple structure allows convenient cleaning of the fan – just detach the front cover and metal plate to clean product interior.



4. Contemporary Design

- Modern and streamline outlook fits the décor of interior perfectly. Also, the main air inlet locates at top of the product allowing a neat and clean image.

*As compared with FY-2509U1 and FY-08ESN

** หมายเหตุ FY-2509U1, FY-2512U1, FY2515U1 ไม่มีจำหน่าย

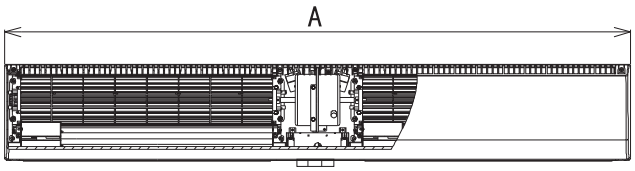
Specification

	Model No.	Voltage [V]	Hz	Air Volume Hi CMH	Air Volume Hi CFM	Air Volume Lo CMH	Air Volume Lo CFM	Consumption [W] Hi	Consumption [W] Lo	Current [A] Hi	Current [A] Lo	Outlet Velocity [m/s] Hi	Outlet Velocity [m/s] Lo	Noise [dB(A)] Hi	Noise [dB(A)] Lo	Weight [kg]
900mm	FY-2509U1	220	50	950	559	840	494	63	55	0.29	0.28	8.5	7.5	44.0	41.5	12.0
		230	50	970	571	870	512	67	60	0.30	0.28	8.5	7.5	45.0	42.5	
			60	940	553	860	506	80	70	0.36	0.34	8.5	7.5	44.5	42.0	
		240	50	1,000	589	900	530	71	65	0.31	0.29	9.0	8.0	46.0	43.5	
	FY-3009U1	220	50	1,100	647	920	541	76	70	0.35	0.32	10.5	8.5	48.5	45.0	12.0
		230	50	1,120	659	940	553	81	75	0.36	0.33	10.5	8.5	49.5	46.5	
			60	1,150	677	920	541	98	83	0.43	0.38	11.0	9.0	50.0	45.5	
		240	50	1,150	677	960	565	86	80	0.37	0.35	10.5	9.0	50.5	47.5	
	FY-3509U1	220	50	1,150	677	1,000	589	95	85	0.41	0.39	11.0	9.0	51.0	49.0	12.0
		230	50	1,170	689	1,020	600	97	90	0.42	0.39	11.0	9.0	53.0	50.0	
			60	1,200	706	1,030	606	115	103	0.50	0.46	11.0	9.5	52.5	49.5	
		240	50	1,200	706	1,050	618	99	96	0.42	0.40	11.5	9.5	54.0	51.0	
	FY-4009U1	220	50	1,340	789	1,190	700	110	94	0.50	0.43	12.0	10.0	54.5	51.0	12.5
		230	50	1,350	795	1,190	700	116	97	0.50	0.43	12.0	10.0	55.5	52.5	
			60	1,390	818	1,120	659	141	113	0.62	0.49	13.0	11.0	56.0	51.5	
		240	50	1,360	800	1,200	706	122	100	0.51	0.43	12.5	10.5	56.5	53.5	
1200mm	FY-2512U1	220	50	1,250	736	1,150	677	77	75	0.35	0.34	8.5	7.5	43.0	41.0	14.0
		230	50	1,300	765	1,200	706	83	80	0.36	0.35	8.5	7.5	44.5	42.5	
			60	1,300	765	1,170	689	89	83	0.39	0.37	8.5	7.5	43.5	41.5	
		240	50	1,350	795	1,250	736	89	86	0.37	0.36	9.0	8.0	46.0	44.0	
	FY-3012U1	220	50	1,400	824	1,270	747	94	85	0.43	0.40	9.5	8.0	48.5	44.5	14.5
		230	50	1,450	853	1,290	759	100	90	0.44	0.41	9.5	8.0	49.5	46.0	
			60	1,450	853	1,270	747	117	100	0.52	0.48	9.5	8.0	49.0	45.0	
		240	50	1,500	883	1,320	777	107	95	0.46	0.43	10.0	8.5	50.5	47.0	
	FY-3512U1	220	50	1,550	912	1,300	765	114	100	0.49	0.46	10.5	8.5	49.0	46.0	14.5
		230	50	1,600	942	1,350	795	118	106	0.50	0.46	10.5	8.5	50.0	47.0	
			60	1,600	942	1,320	777	134	113	0.58	0.51	10.0	8.0	49.5	46.5	
		240	50	1,650	971	1,400	824	122	112	0.51	0.47	11.0	9.0	51.0	48.0	
	FY-4012U1	220	50	1,700	1,001	1,530	901	126	105	0.59	0.49	12.0	10.0	52.5	48.5	15.5
		230	50	1,750	1,030	1,550	912	132	107	0.59	0.49	12.0	10.0	53.5	50.0	
			60	1,770	1,042	1,470	865	155	120	0.68	0.53	12.0	10.0	53.0	49.0	
		240	50	1,800	1,059	1,580	930	139	110	0.60	0.49	12.5	10.5	54.5	51.0	
1500mm	FY-2515U1	220	50	1,400	824	1,150	677	93	73	0.42	0.34	8.5	7.5	45.0	42.0	17.5
		230	50	1,450	853	1,200	706	100	78	0.43	0.34	8.5	7.5	46.5	43.5	
			60	1,450	853	1,170	689	111	86	0.49	0.37	8.5	7.5	45.5	42.5	
		240	50	1,500	883	1,250	736	106	84	0.44	0.35	9.0	8.0	48.0	45.0	
	FY-3015U1	220	50	2,000	1,177	1,800	1,059	131	110	0.59	0.50	10.5	9.5	51.5	48.0	18.0
		230	50	2,050	1,207	1,820	1,071	138	112	0.59	0.50	10.5	9.5	52.5	49.5	
			60	2,090	1,230	1,800	1,059	156	125	0.68	0.55	10.5	9.0	52.0	48.5	
		240	50	2,100	1,236	1,850	1,089	145	115	0.60	0.50	11.0	10.0	53.5	50.5	
	FY-3515U1	220	50	1,800	1,059	1,500	883	146	110	0.67	0.52	11.0	9.0	52.0	49.0	18.0
		230	50	1,800	1,059	1,550	912	153	117	0.67	0.53	11.0	9.0	53.0	50.0	
			60	1,770	1,042	1,520	895	178	130	0.78	0.57	11.0	9.0	52.5	49.5	
		240	50	1,800	1,059	1,600	942	161	125	0.68	0.54	11.5	9.5	54.0	51.0	
	FY-4015U1	220	50	2,450	1,442	2,080	1,224	177	147	0.81	0.68	13.0	10.0	56.0	52.0	18.0
		230	50	2,470	1,454	2,050	1,207	183	153	0.83	0.68	13.0	10.0	57.0	53.5	
			60	2,400	1,413	1,850	1,089	233	168	1.02	0.74	13.0	9.5	56.5	52.5	
		240	50	2,500	1,471	2,050	1,207	190	160	0.86	0.68	13.5	10.5	58.0	54.5	

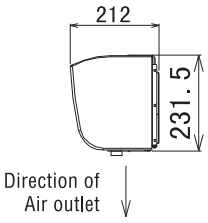
Note: 1. The parameters as shown in above table are mearsured at ambient temperature of 20°C
2. The noise value is measured 1.5m far from the product at angle of 45° below the air outlet. The air outlet is the maximum value.
3. Because the above-mentioned velocity is measured in test laboratory where it's empty, without air flow and obstacle, after actual installation the velocity may vary depends on different service environment

Dimensions

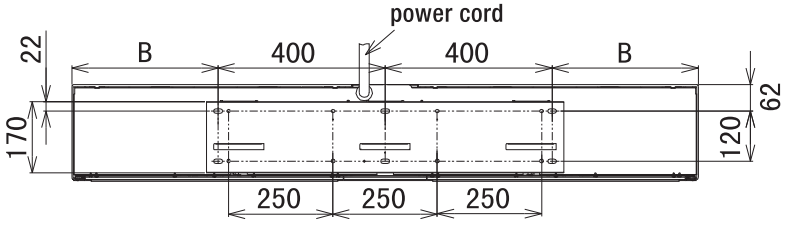
Front view



Right view



Back view



Unit: mm

Model	FY-2509U1 FY-3009U1 FY-3509U1 FY-4009U1	FY-2512U1 FY-3012U1 FY-3512U1 FY-4012U1	FY-2515U1 FY-3015U1 FY-3515U1 FY-4015U1
A	900	1200	1500
B	50	200	350

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- Specifications are subject to change without prior notice
- Actual colors may vary slightly from shown.

CATALOG NO: P-AC003
Printed in Hong Kong 10.17