AMS
פתרונות הולכה וסינון אוויר

מפוחים צירריים - מפוחי קיר סדרת SE

(300c/2h is available)

Sidewall Propeller Benefits

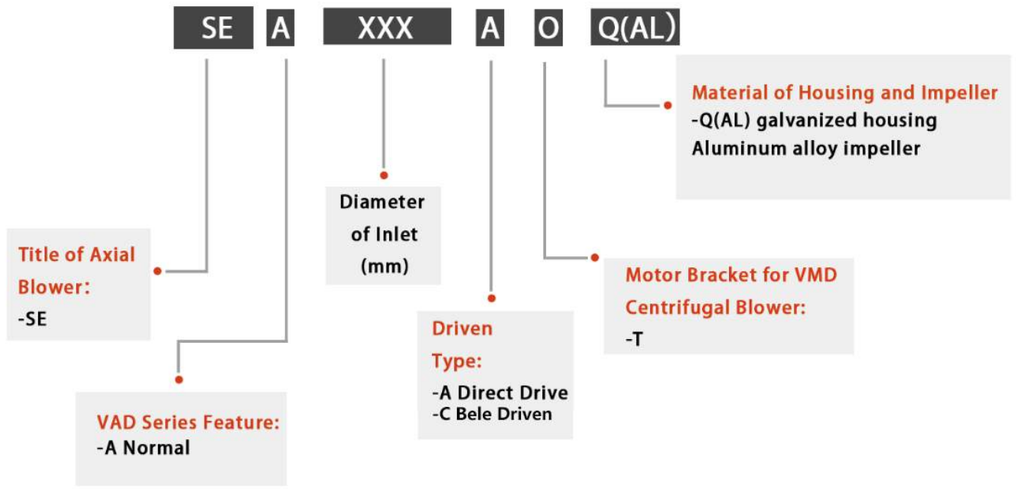
- Exhaust or supply arrangements
- Drive frames and panels are constructed tomatch the level of duty and the motor size
- Three airflow directions; exhaust, supplyand reversible
- Three levels of construction from commercialto industrial
- Multiple blade designs for low sound and optimum efficiency

Application areas include:

Each Hybrid Fan Undergoes Freedom Vibration Analysis Before Leaving The Factory.

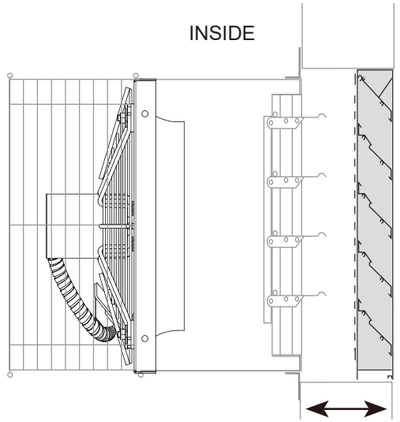
- Laboratory ventilation
- Low noise industry
- Purification and filtration supporting
- Kitchen special matching

Sidewall Propeller fan series product code:

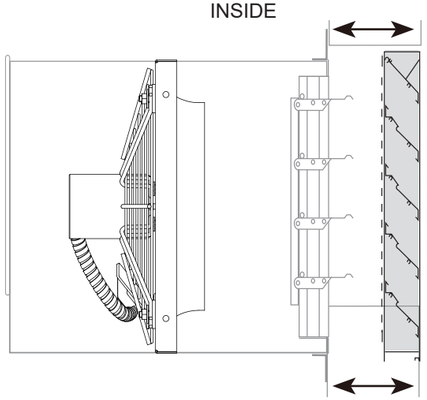


Louver Mounting

Where an exterior louvered appearance is desired, a variety of louvers can be used in conjunction with the wall housing or wall collar as shown. However, since louver free area is less than half of the wall opening, pressure drop across the louver must be considered when specifying the fan.



10 inch (254mm) minimum*



10 inch (254mm) minimum*

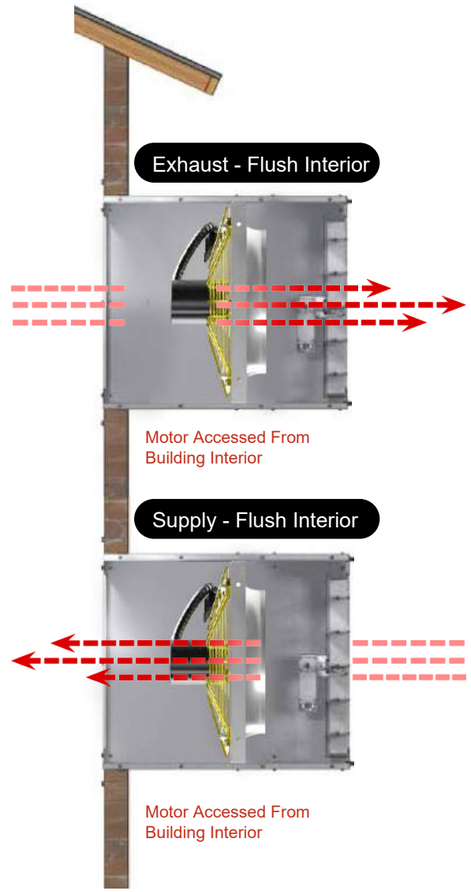
*Can be smaller based on fan size

Mounting Options Flush Exterior

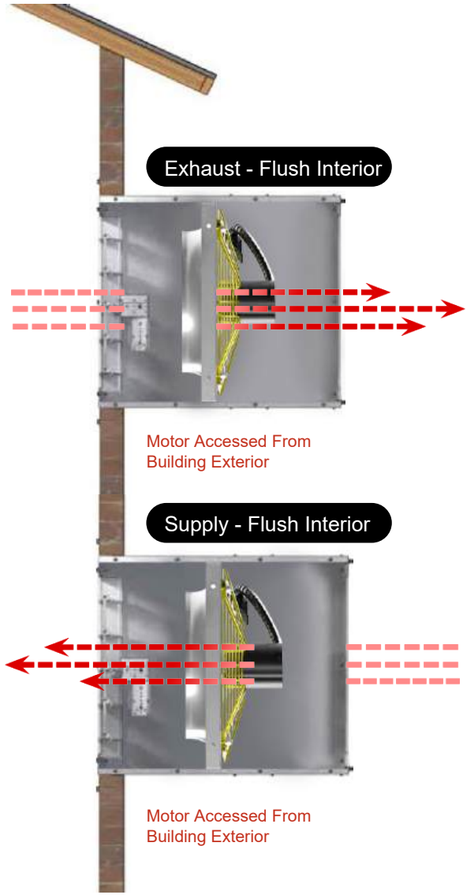
Sidewall propeller housings can be oriented in eight horizontal and eight vertical configurations. The two main considerations for determining which orientation the project requires are:

1. Will the fan and housing be placed inside the building or outside of the building?
2. How will the motor and drives be most easily accessed, from inside of the building or from outside of the building?

Motor and Drive Accessed from Inside of Building

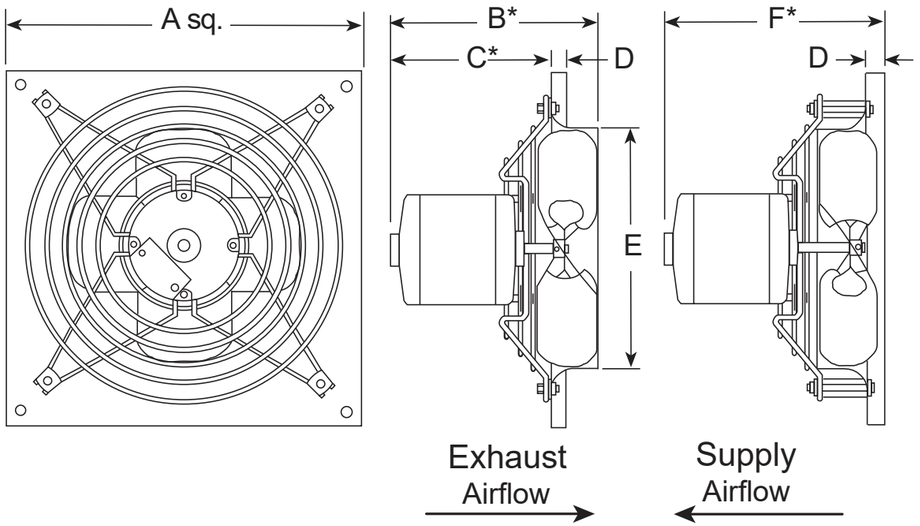


Outside of Building

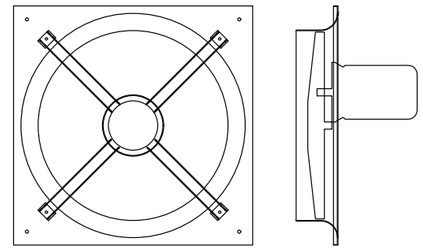


Direct Drive Dimensional Data

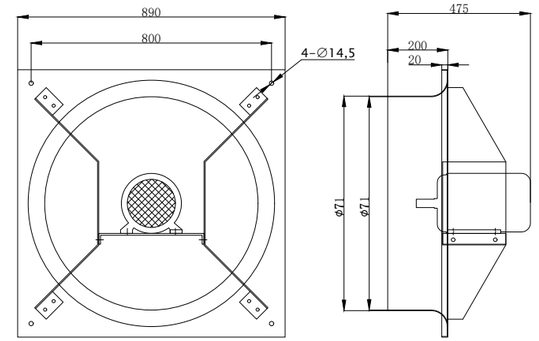
Fan Size	A Panel**	B*	C*	D	E	F*	Damper Size**
8	13 (330)	7 (178)	5 (127)	1 (25)	8⅜ (213)	8 (203)	10 (254)
10	15 (381)	8¾ (222)	5 (127)	1 (25)	10⅜ (264)	8 (203)	12 (305)
12	18 (457)	10¾ (273)	8¼ (210)	1 (25)	12⅜ (314)	13⅛ (333)	14 (356)



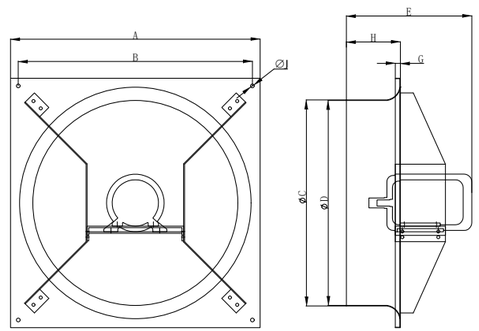
SE Series Dimensional Data



SE350-630



SE710(3kw/4)



SE800-900

Model	A	B	ØC	ØD	E	G	H	ØJ
SE350	465	390	364	360	278	11	76	10.5
SE400	532	452	414	410	298	11	97.5	10.5
SE450	596	504	464	460	335	11	105	10.5
SE500	665	562	518	514	345	11	115	10.5
SE710	**890**	**800**	**714**	**710**	**475**	**20**	**200**	**10.5**
SE560	710	630	564	560	340	15	115	10.5
SE630	800	710	639	635	405	15	140	10.5
SE800/6	970	910	801	797	454	20	210	14.5
SE800/4	970	910	801	797	500	20	210	14.5
SE900	1170	1110	918	914	500	20	210	14.5

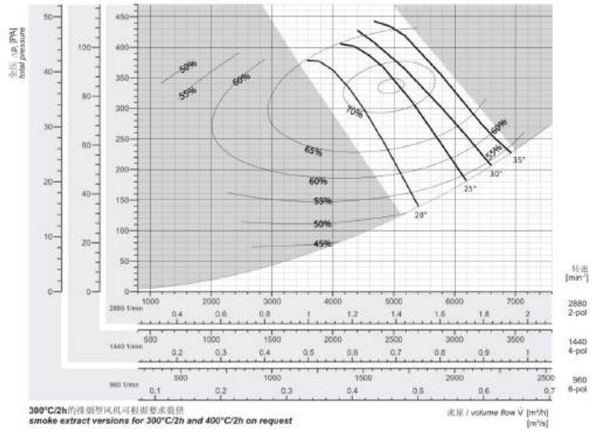
Changing the impeller angle will change the size of the fan. Our company has selected the impeller according to the best efficiency.

*Dimensions and parametric data are subject to change without notice.

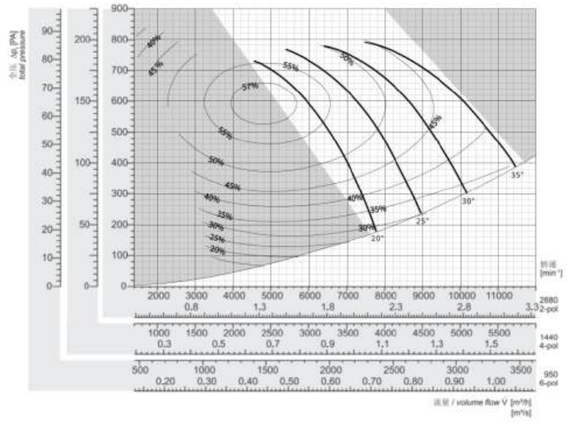
CksFan Machine Cooperator

Dimensional Data

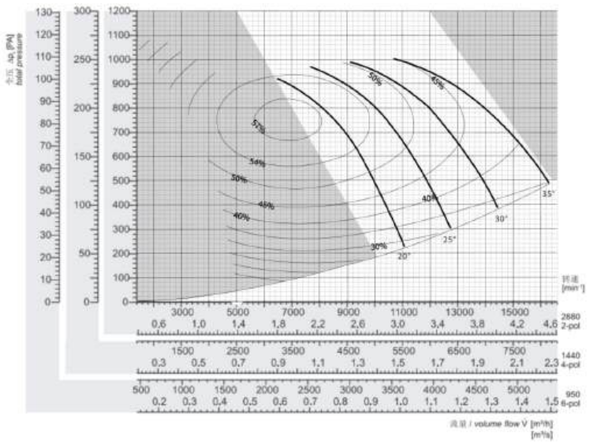
SE 350



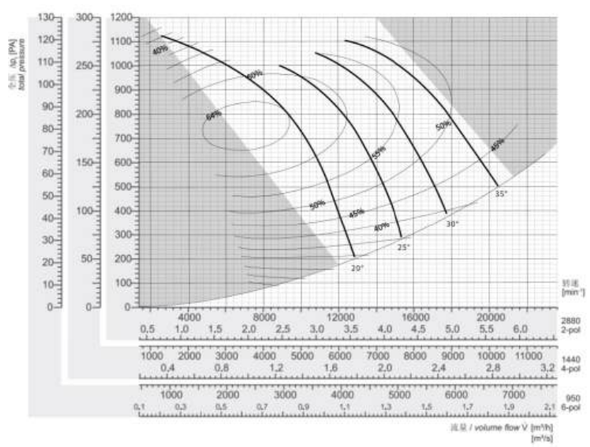
SE 400



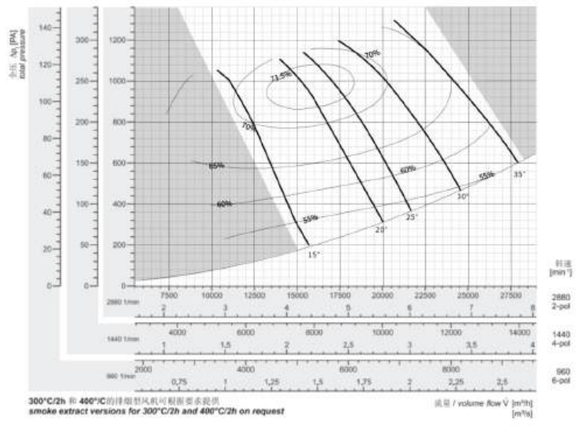
SE 450



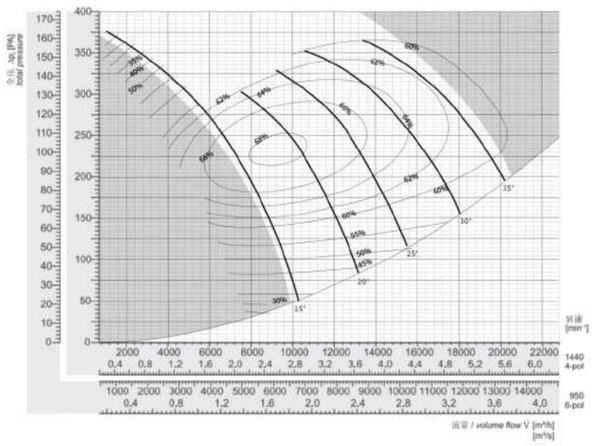
SE 500



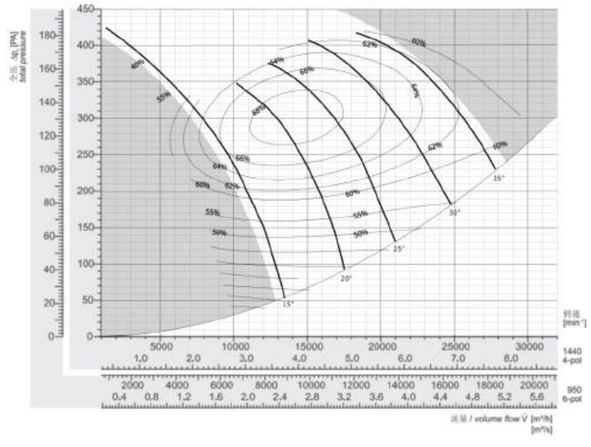
SE 550



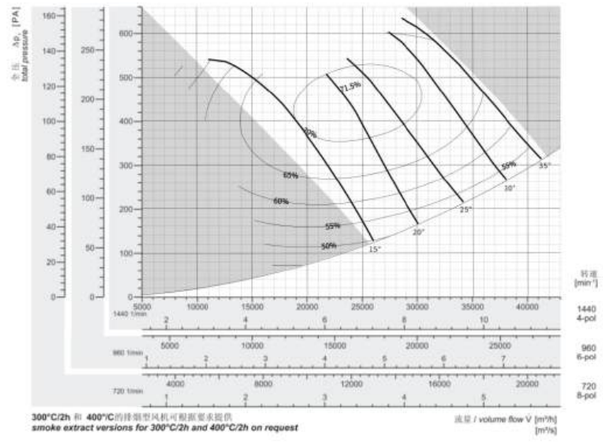
SE 630



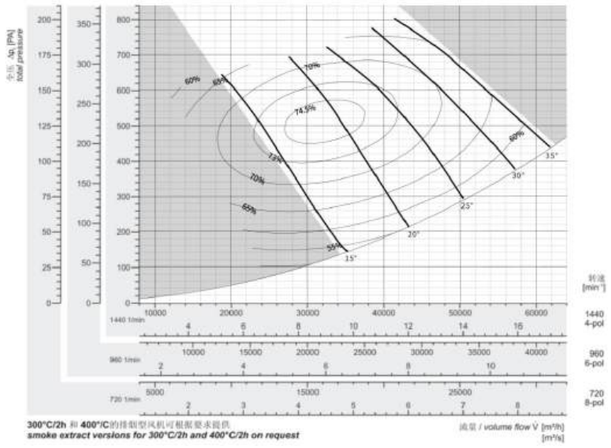
SE 710



SE800



SE900



SIZE	RPM	VOLTAGE Frequency	Working Current A	Working Power W	Inlet Velocity (m/s)	Outlet Velocity (m/s)	Outlet Area (㎡)	Flow CMH	Fixed Angle Impelle
SE200(8)	1340	220V-240V/50Hz	0.18	42	4.2	4.5	0.03	487	
SE250(10)	1360	220V-240V/50Hz	0.297	56	4.6	5.0	0.05	891	Fixed Angle
SE300(12)	1360	220V-240V/50Hz	0.318	64	5.3	5.6	0.08	1616	
SE350(14)	1450	220V-240V/50Hz	1.00	216	7.8	10.8	0.1	3888	
SE400(16)	1450	220V-240V/50Hz	1.90	372	10.9	12.7	0.13	5944	
SE450(18)	1450	220V-240V/50Hz	3.10	559	11.4	14.4	0.16	8294	
SE500(20)	1450	220V-240V/50Hz	4.15	749	12.5	15.4	0.2	11088	
SE550(21.5)	960	380-415V/50Hz	0.70	295	8.5	13.4	0.24	11578	Adjustable angle impeller
SE630(25)	1450	380-415V/50Hz	2.80	1210	12.5	15.4	0.31	17186	
SE710(28)	1450	380-415V/50Hz	5.30	2120	19.6	28.8	0.4	41472	
SE800(31.5)	970	380-415V/50Hz	2.80	1090	12.7	16.1	0.5	28980	
SE800(31.5)	1460	380-415V/50Hz	7.80	3730	16.6	19.8	0.5	35640	
SE900(35.5)	1460	380-415V/50Hz	7.90	3778	18.5	21.8	0.64	50227	

Standard Wall Mounting

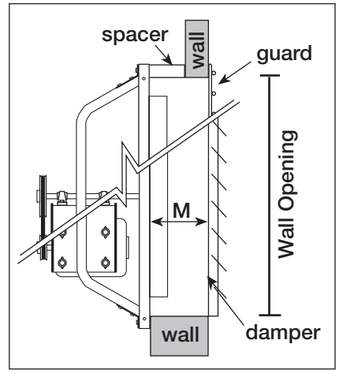
The cutaway diagram on the right shows a common method for mounting a fan directly to a wall, without the use of a wall mount housing or retainer.

For optimal performance of exhaust fans, it's essential to maintain a minimum distance (M) between the propeller and the damper or guard. Failing to meet this minimum distance can lead to decreased fan performance, increased noise, and shortened lifespans for both the fan and damper. Additionally, there is a required minimum wall opening size (W.O.) necessary for the venturi to fit properly.

The diagram on the far right indicates the minimum dimensions for "M" and the wall opening.

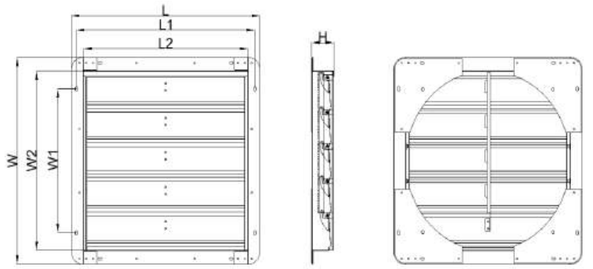
To achieve the minimum "M" dimension, spacers (provided by others) may need to be installed between the fan and the wall.

A direct wall mount is only permissible if the wall is sufficiently thick to accommodate the minimum "M" dimension shown. If the fan panel is mounted through the wall, appropriate drilling of holes will be necessary.



SIZE	GHV Model	M Distance
SE200(8)	10	6inch(152mm)
SE250(10)	12	6inch(152mm)
SE300(12)	14	7inch(178mm)
SE350(14)	16	8inch(203mm)
SE400(16)	18	9inch(229mm)
SE450(18)	20	10inch(254mm)
SE500(20)	24	12inch(305mm)
SE550(21.5)	24	12inch(305mm)
SE630(25)	30	13inch(330mm)
SE710(28)	30	13inch(330mm)
SE800(31.5)	36	14inch(356mm)
SE900(35.5)	40	14inch(356mm)

GHV



Model	L	L1	L2	W	W1	W2	H
10″	325	297	265	325	173	265	48
12″	380	346	304	380	203	304	56
14″	435	399	352	435	232	352	60
16″	480	442	405	480	303	405	64
18″	533	492	457	533	356	457	68
20″	583	552	507	583	406	507	68
24″	685	650	613	685	580	613	68
30″	837	802	764	837	659	764	78
36″	989	955	917	989	811	917	78

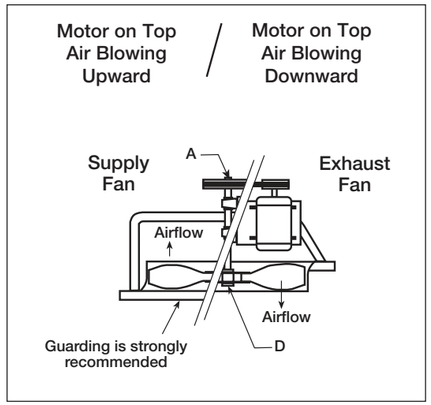
*Dimensions and parametric data are subject to change without notice.

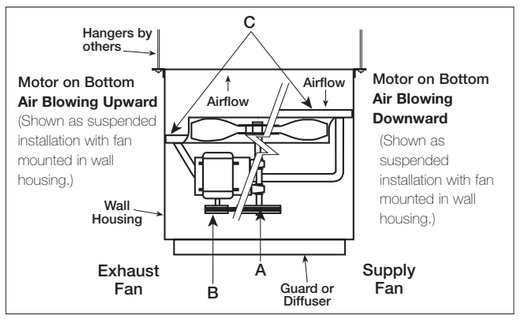
Standard Horizontal Mounting

Modifications Shown in Diagrams	
A	Grooved shaft with snap rings (belt drive fans)
B	Motor pulley retaining hardware (belt drive fans with motor on bottom)
C	Reinforcing angles on fan panel (all fans with motor on bottom)
D	Propeller retaining hardware - not shown (direct drive fans with motor on top)

NOTE: Protective guarding is also required below the fan for safety. When guarding is not ordered with the fan, it must be supplied by the installer. When specifying a fan for horizontal mounting, the motor location (top or bottom) and airflow (upward or downward) are required information.

Horizontally mounted fans are ideal for applications that require vertical airflow. Common uses include installing the fan in a duct or plenum as a transfer fan or suspending it from the ceiling within a wall enclosure for recirculation purposes. Both belt-driven and direct-driven fans can be positioned horizontally, with the motor positioned at either the top or bottom to direct airflow upwards or downwards. Choose the configuration that facilitates optimal access and service.
It's important to note that horizontally mounted fans experience different pressure conditions compared to wall-mounted fans. Therefore, construction modifications may be necessary based on the motor's placement (top or bottom) and whether the fan is belt-driven or direct-driven.





	Mounting Option with accessories	Description
Standard Wall Mounting		Fan can be mounted directly to a wall.
Standard Horizontal Mounting		Fan can be horizontally mounted to move air up or down.
Filtered Supply Wall Housing (optional)		The filtered supply wall housing is a flexible and easy way to mount the fan for installations where filtering is required.
Wall Housing (optional)	 Optional Accessories	The wall housing is the easiest and most flexible way to mount the sidewall propeller fan and all of its accessories.
Wall Collar (optional)	 Optional Accessories	The wall collar is an easy way to mount the sidewall propeller fan and its accessories.