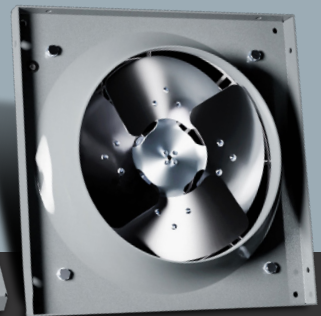
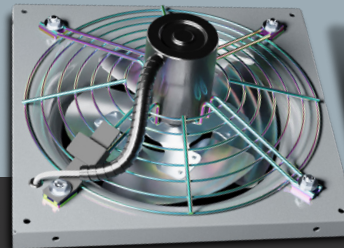




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HEAVY DUTY SYSTEMS AIR EQUIPMENT_{50hz}

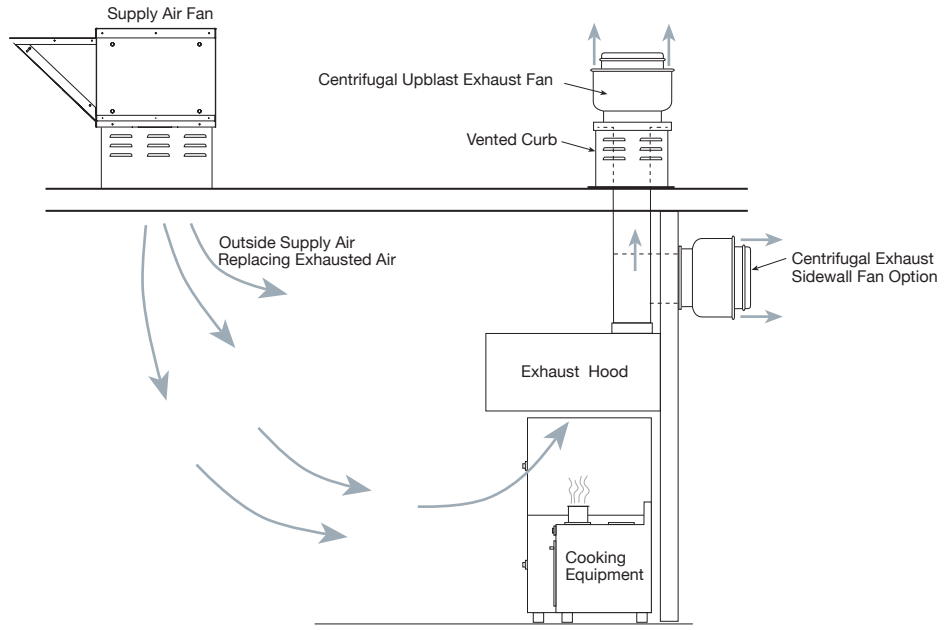


PERFORMANCE.
DURABILITY.
VALUE.



This drawing shows a typical commercial kitchen ventilation system that consists of a roof mounted upblast exhaust fan and a supply fan.

Exhaust fan variations include sidewall exhaust fan (also shown) when penetrating the roof is not practical. A utility blower is recommended when higher static pressure capability is required to pull exhaust through long duct runs (typically 3 stories or more).



FAN SIZING

Exhaust

When not specified by local codes, the following guidelines may be used to determine the minimum kitchen hood exhaust cfm. Some local codes require 100 cfm/ft² of hood area for wall style hoods.

Supply

Recommended supply airflow is 90% of exhaust cfm. The remaining 10% of supply air will be drawn from areas adjacent to the kitchen, which helps prevent undesirable kitchen odors from drifting into areas such as the dining room.

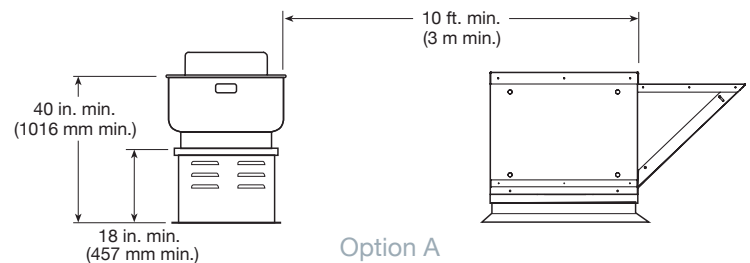
DUTY LEVEL	TYPE OF COOKING EQUIPMENT	CFM/FT ² OF HOOD
Light	Oven, Range, Kettle	50
Medium	Fryer, Griddle	75
Heavy	Charbroiler, Electric Broiler	100
Static pressure typically ranges from 0.625 to 1.0 in. for one story buildings.		

CONSIDERATIONS

The National Fire Protection Association specifies minimum distance criteria for restaurant exhaust and supply fans:

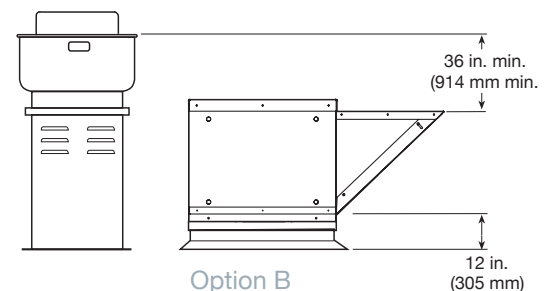
Option A

1. Roof deck to top of exhaust fan windband:
40 inches (1016 mm) minimum
2. Roof deck to top of curb:
18 inches (457 mm) minimum
3. Supply fan intake:
10 feet (3048 mm) minimum from all exhaust fans



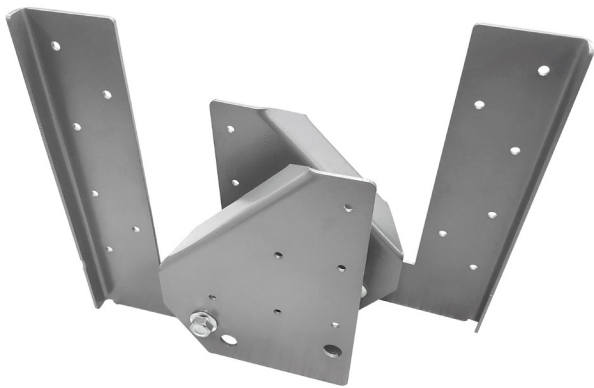
Option B

For applications where the 10 feet (3048 mm) horizontal distance cannot be met, vertical separation between exhaust and supply must be at least 36 inches (914 mm)



**GREASE TRAP**

Coated with corrosion resistant epoxy resin, the grease trap is designed to collect grease residue to avoid drainage on to roof surface

**HINGE KIT**

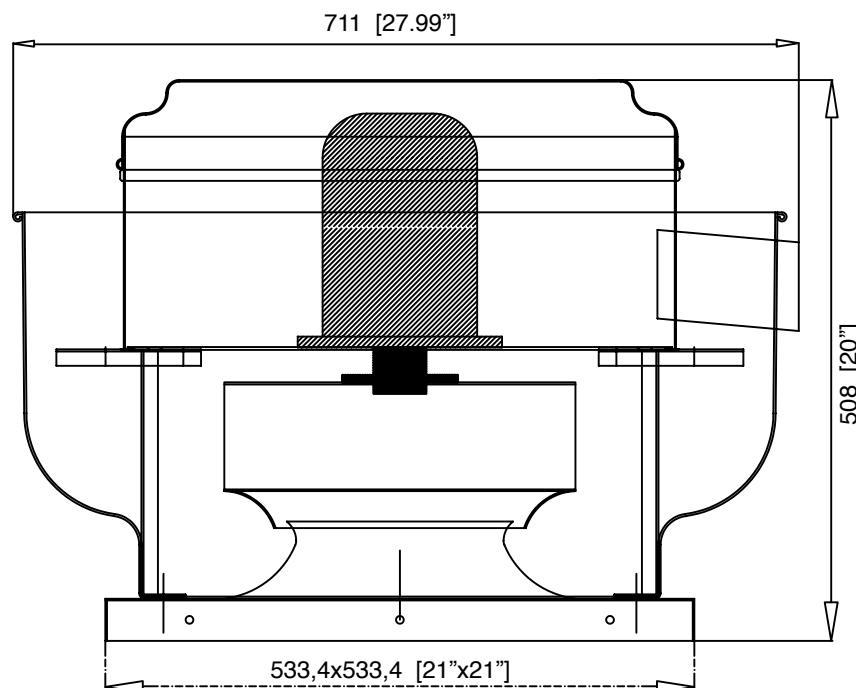
Coated with corrosion resistant epoxy resin, the hinge kit allows maintenance personnel to gain access to wheel and ductwork for regular inspection and cleaning

**STAINLESS STEEL U-TYPE HOOD FILTER**

This hood filter features welded stainless steel construction with rugged drop handles. Ensures that solids and grease are deposited directly into baffles and drains out. Easy to clean with detergent and water, also dishwasher safe.



DD-X-A-250W-12.5-AL



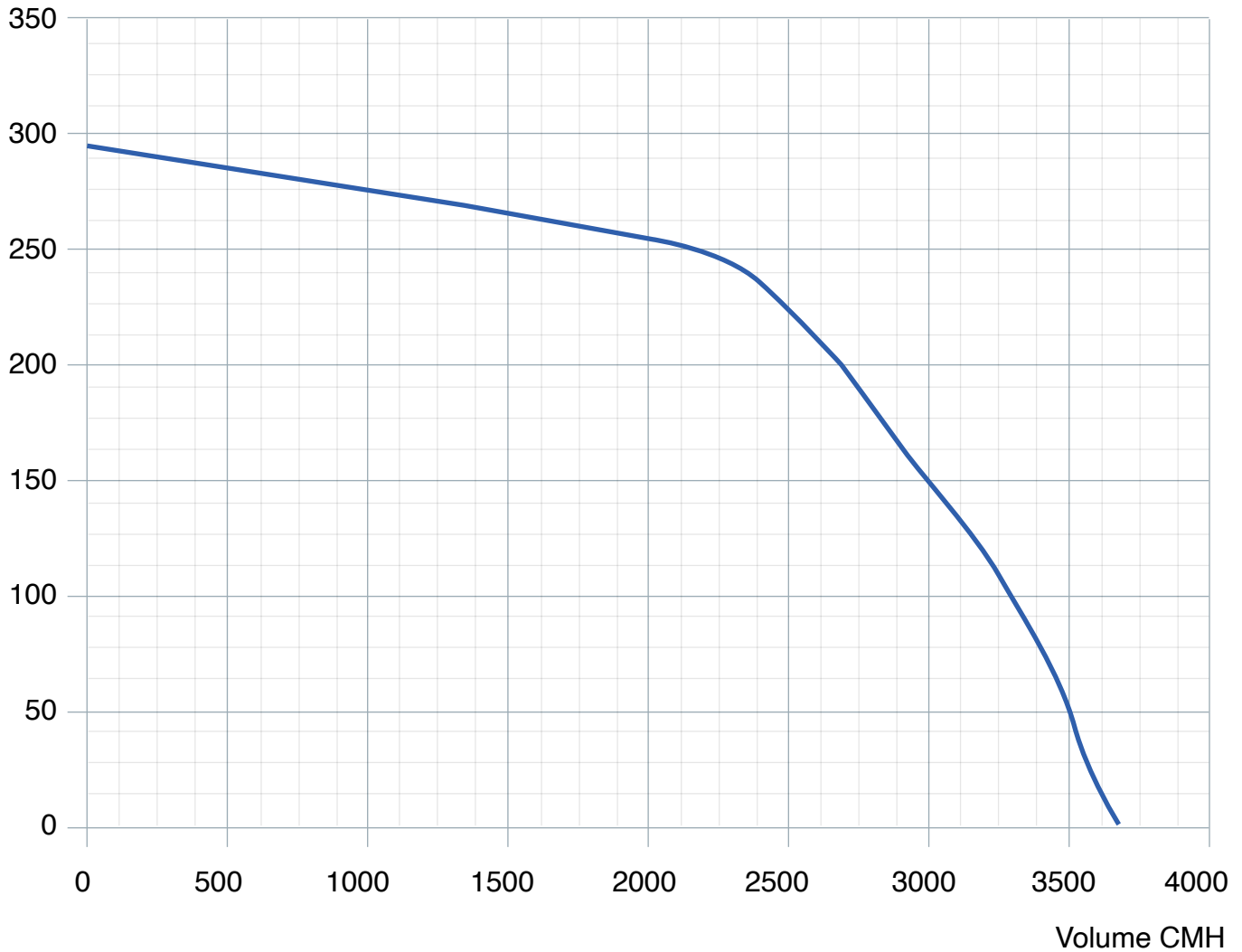
STANDARD FEATURES

- Exhaust fan specifically designed for roof or sidewall mounted applications where contaminated or grease laden exhaust air can be discharged directly upward, away from the roof or wall surface
- Heavy duty aluminum construction, durable and weather resistant
 - Coated with corrosion resistant epoxy resin
- Vibration Isolators support the drive frame and blower assembly for long life and minimal sound transmission into the building
- Direct Drive
- Base with prepunched mounting holes for easy attachment to roof curb
- Drain/Grease Trough - Allows for one-point drainage of water, grease and other residues
- Comes with Grease Collector and Hinge Kit

MODEL	POWER	AC MOTOR 1Ø	FAN SPEED	IMPELLER DIA
DD-X-A-250W-12.5-AL	250W	220V-240V/50Hz	1420RPM	12.5inch

Static Pressure Pa

— DD-X-A-250W-12.5-AL

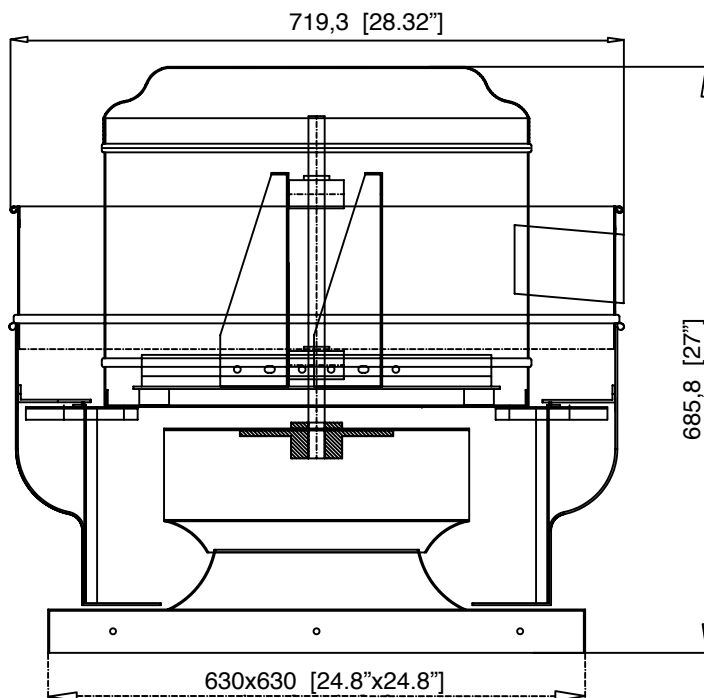
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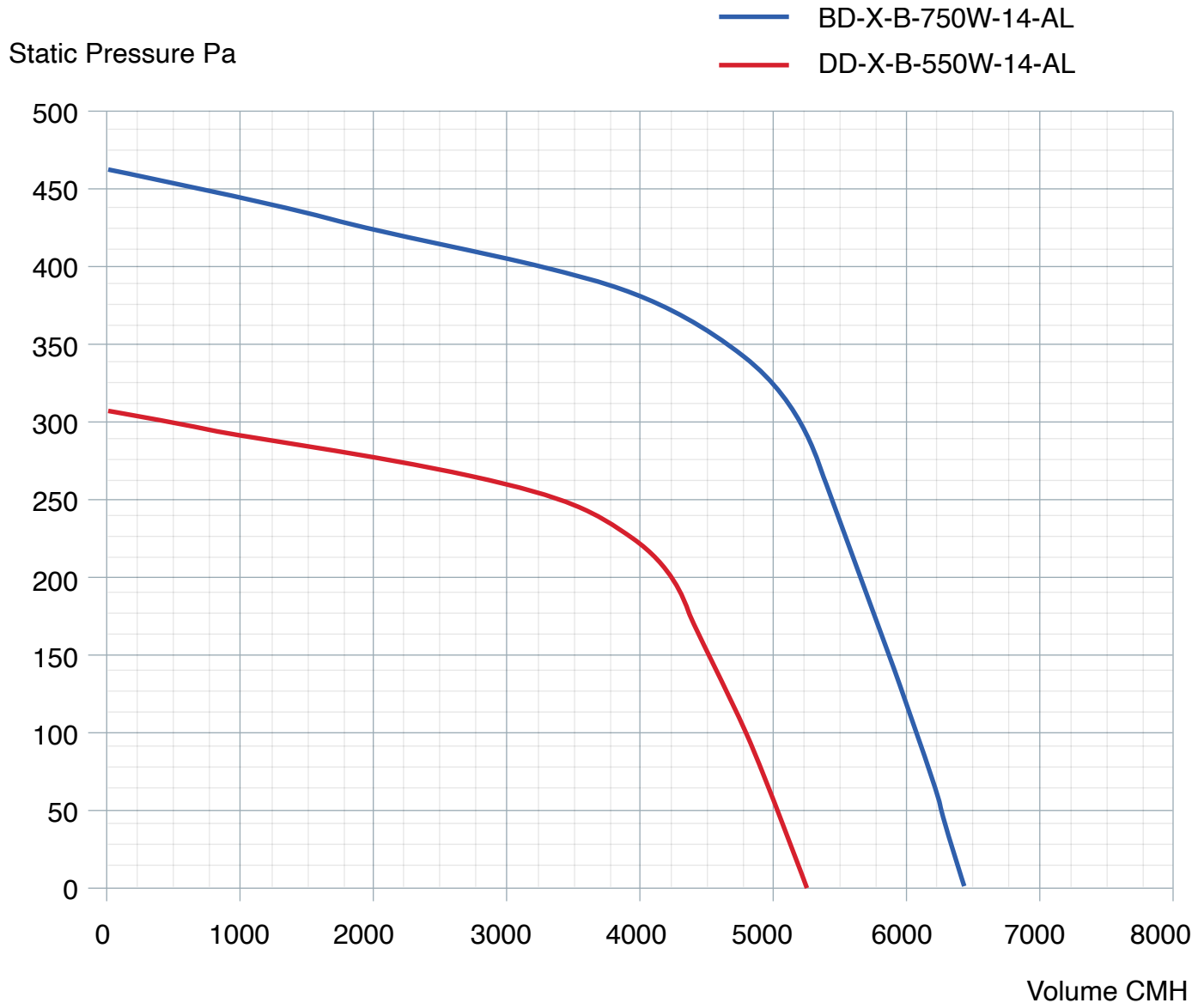
DD-X-B-550W-14-AL / BD-X-B-750W-14-AL



STANDARD FEATURES

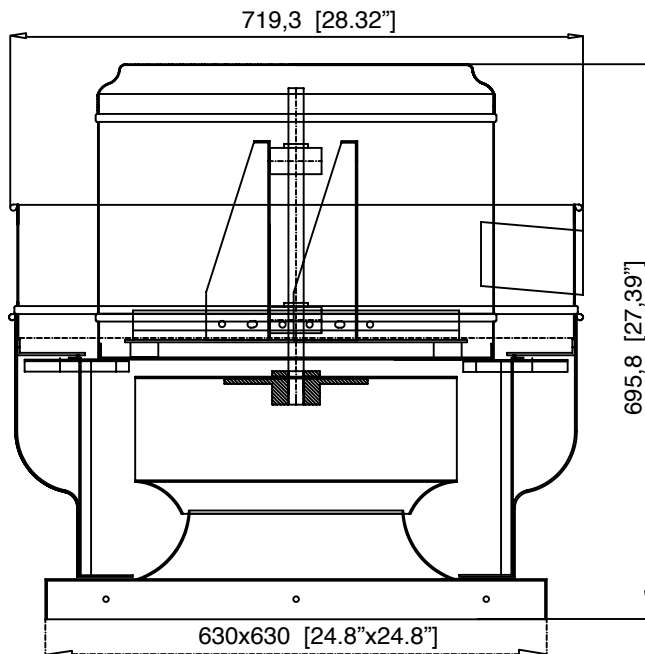
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- Direct Drive or Belt Drive
- Base with prepunched mounting holes for easy attachment to roof curb
- Drain/Grease Trough - Allows for one-point drainage of water, grease and other residues
- Comes with Grease Collector and Hinge Kit

MODEL	POWER	AC MOTOR 1Ø	AC MOTOR 3Ø	FAN SPEED	IMPELLER DIA
DD-X-B-550W-14-AL	550W	220V/-240V/50Hz	380V or 415/50Hz	1400RPM Direct Drive	14inch
BD-X-B-750W-14-AL	750W	220V/-240V/50Hz	380V or 415/50Hz	1720RPM Belt Drive	





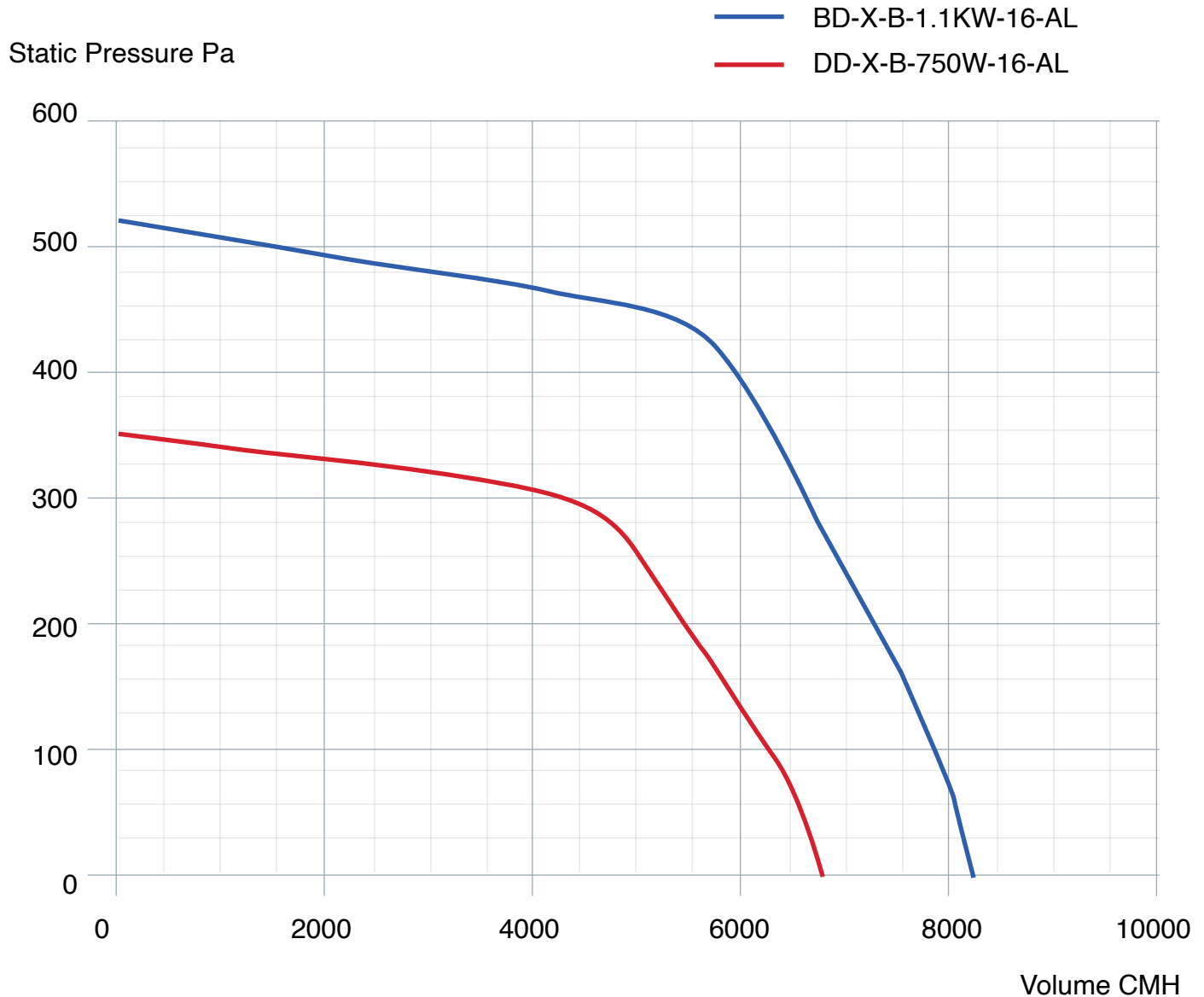
DD-X-B-750W-16-AL / BD-X-B-1.1KW-16-AL



STANDARD FEATURES

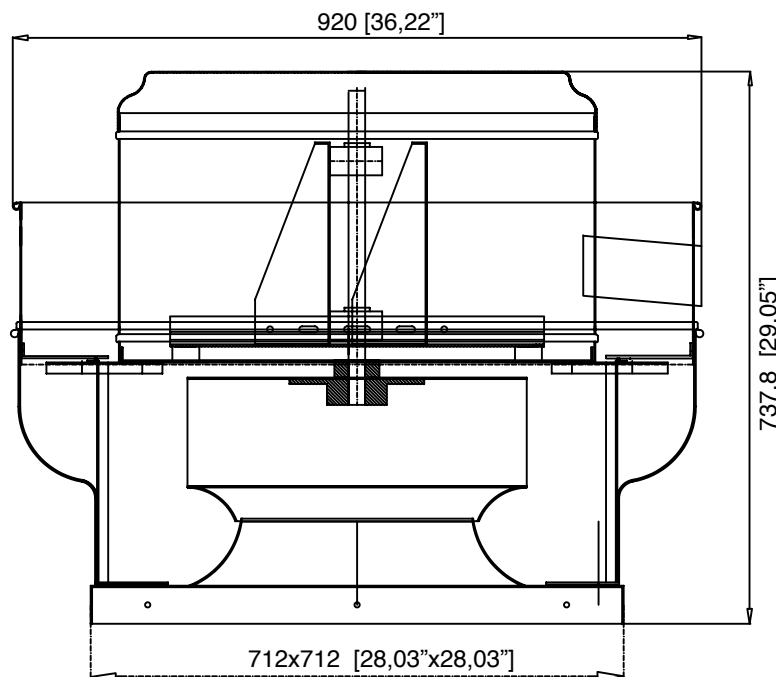
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- Heavy duty aluminum construction, durable and weather resistant
 - Coated with corrosion resistant epoxy resin
- Vibration Isolators support the drive frame and blower assembly for long life and minimal sound transmission into the building
- Direct Drive or Belt Drive
- Base with prepunched mounting holes for easy attachment to roof curb
- Drain/Grease Trough - Allows for one-point drainage of water, grease and other residues
- Comes with Grease Collector and Hinge Kit

MODEL	POWER	AC MOTOR 1Ø	AC MOTOR 3Ø	FAN SPEED	IMPELLER DIA
DD-X-B-750W-16-AL	750W	220V/-240V/50Hz	380V or 415/50Hz	1400RPM Direct Drive	16inch
BD-X-B-1.1KW-16-AL	1.1KW	220V/-240V/50Hz	380V or 415/50Hz	1720RPM Belt Drive	





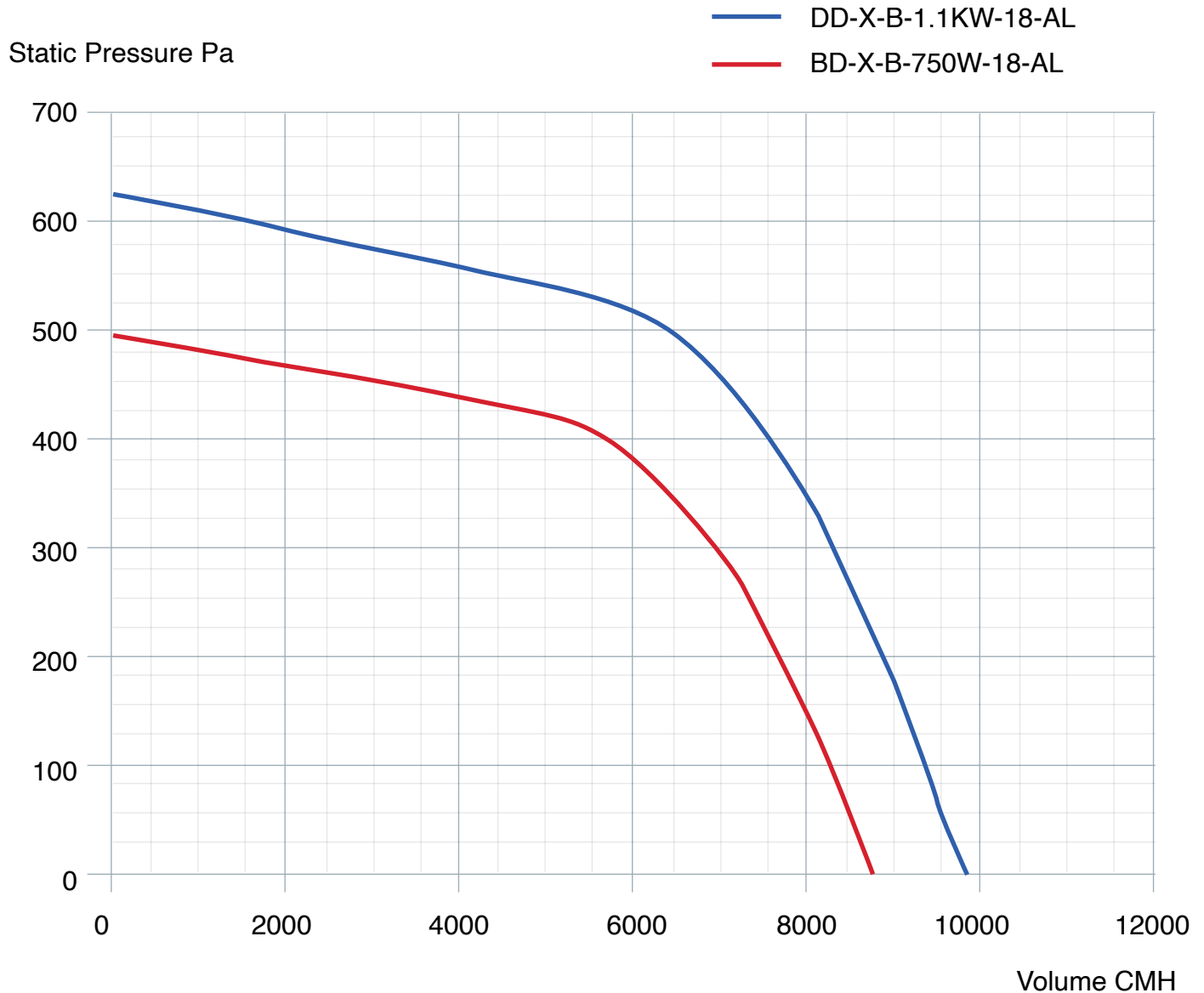
BD-X-B-750W-18-AL / DD-X-B-1.1KW-18-AL



STANDARD FEATURES

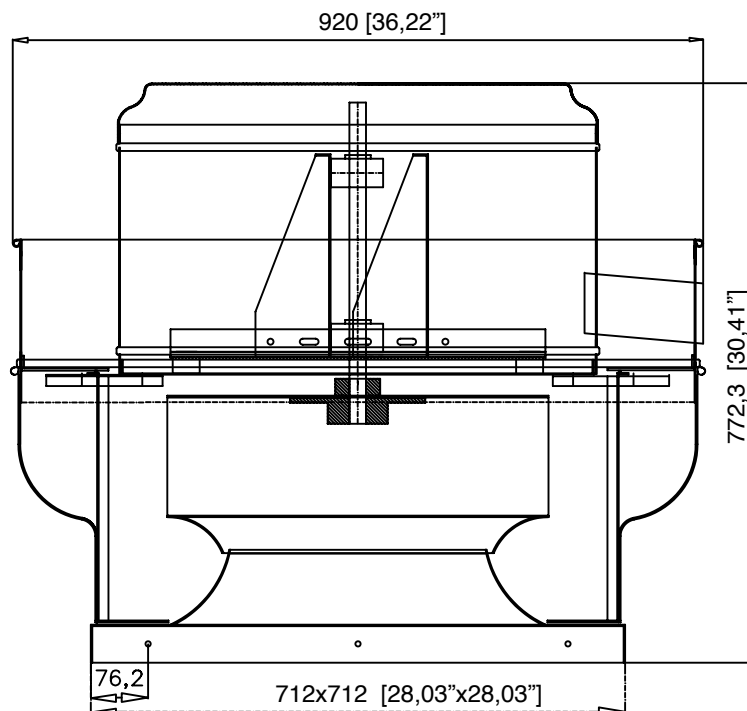
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- Heavy duty aluminum construction, durable and weather resistant
 - Coated with corrosion resistant epoxy resin
- Vibration Isolators support the drive frame and blower assembly for long life and minimal sound transmission into the building
- Direct Drive or Belt Drive
- Base with prepunched mounting holes for easy attachment to roof curb
- Drain/Grease Trough - Allows for one-point drainage of water, grease and other residues
- Comes with Grease Collector and Hinge Kit

MODEL	POWER	AC MOTOR 1Ø	AC MOTOR 3Ø	FAN SPEED	IMPELLER DIA
BD-X-B-750W-18-AL	750W	220V/-240V/50Hz	380V or 415/50Hz	1200RPM Belt Drive	18inch
DD-X-B-1.1KW-18-AL	1.1KW	220V/-240V/50Hz	380V or 415/50Hz	1400 RPM Direct Drive	





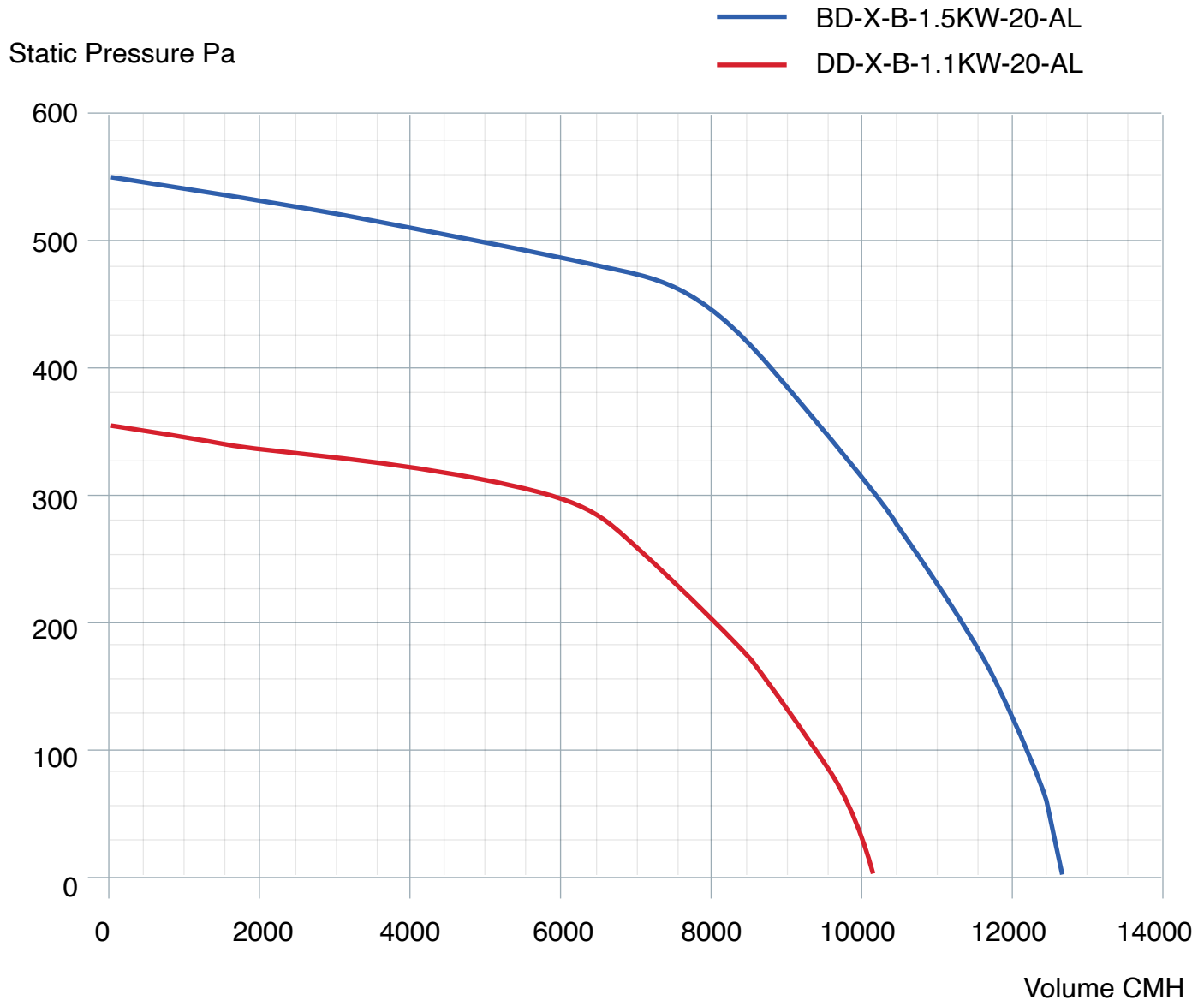
DD-X-B-1.1KW-20-AL / BD-X-B-1.5KW-20-AL



STANDARD FEATURES

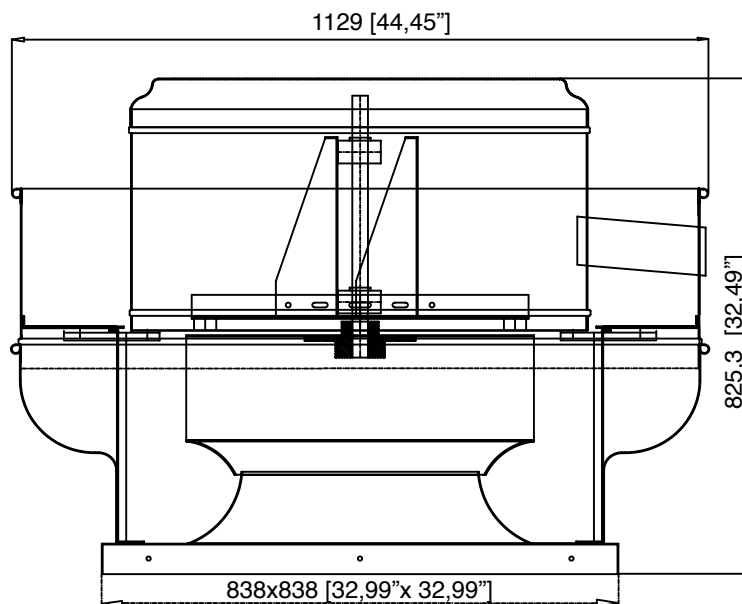
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 - Coated with corrosion resistant epoxy resin
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- Direct Drive or Belt Drive
- Base with prepunched mounting holes for easy attachment to roof curb
- Drain/Grease Trough - Allows for one-point drainage of water, grease and other residues
- Comes with Grease Collector and Hinge Kit

MODEL	POWER	AC MOTOR 1Ø	AC MOTOR 3Ø	FAN SPEED	IMPELLER DIA
DD-X-B-1.1KW-20-AL	1.1KW	220V/-240V/50Hz	380V or 415/50Hz	960RPM Direct Drive	20inch
BD-X-B-1.5KW-20-AL	1.5KW	220V/-240V/50Hz	380V or 415/50Hz	1200RPM Belt Drive	





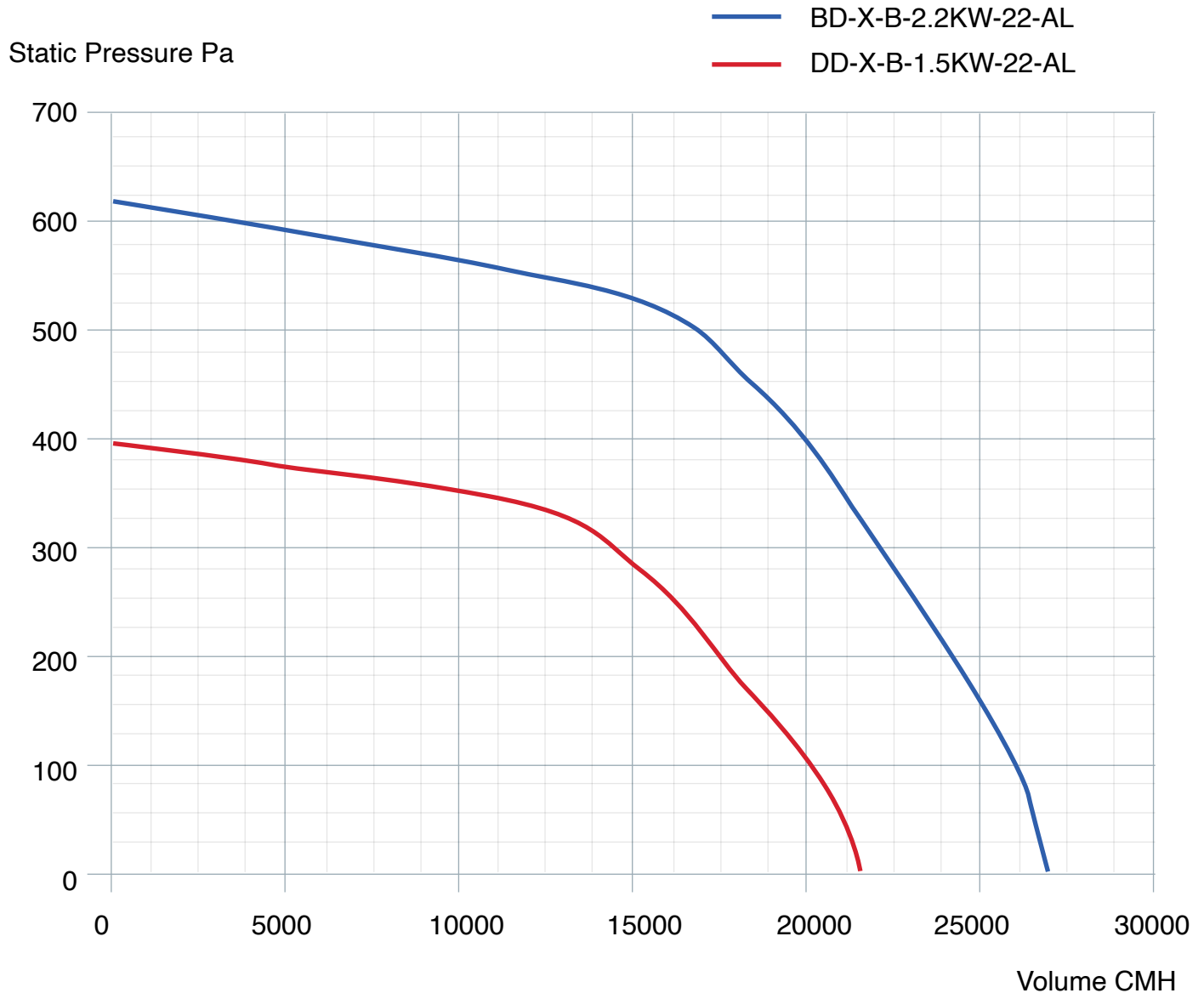
DD-X-B-1.5KW-22-AL / BD-X-B-2.2KW-22-AL



STANDARD FEATURES

- Exhaust fan specifically designed for roof or sidewall mounted applications where contaminated or grease laden exhaust air can be discharged directly upward, away from the roof or wall surface
- Heavy duty aluminum construction, durable and weather resistant
 - Coated with corrosion resistant epoxy resin
- Vibration Isolators support the drive frame and blower assembly for long life and minimal sound transmission into the building
- Direct Drive or Belt Drive
- Base with prepunched mounting holes for easy attachment to roof curb
- Drain/Grease Trough - Allows for one-point drainage of water, grease and other residues
- Comes with Grease Collector and Hinge Kit

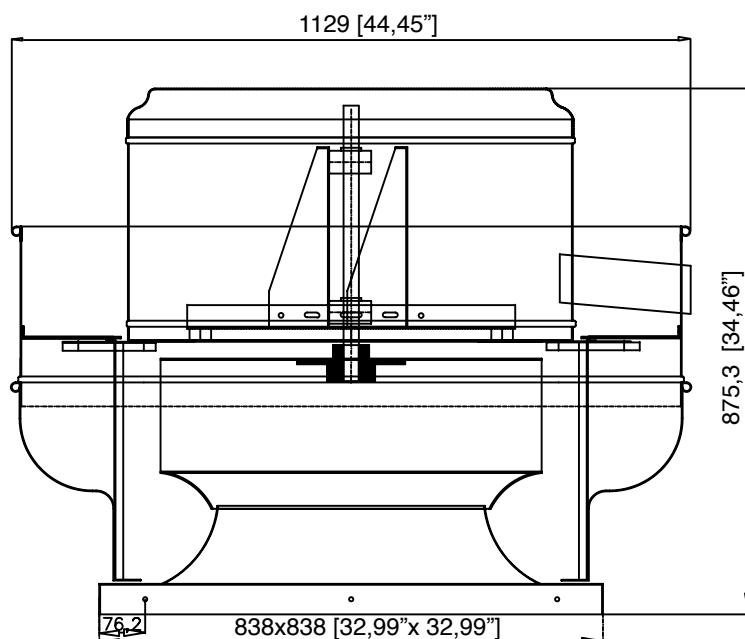
MODEL	POWER	AC MOTOR 1Ø	AC MOTOR 3Ø	FAN SPEED	IMPELLER DIA
DD-X-B-1.5KW-22-AL	1.5KW	220V/-240V/50Hz	380V or 415/50Hz	960RPM Direct Drive	22inch
BD-X-B-2.2KW-22-AL	2.2KW	NONE	380V or 415/50Hz	1200RPM Belt Drive	





DD-X-B-2.2KW-25-AL / DD-X-B-1.1KW-25-AL

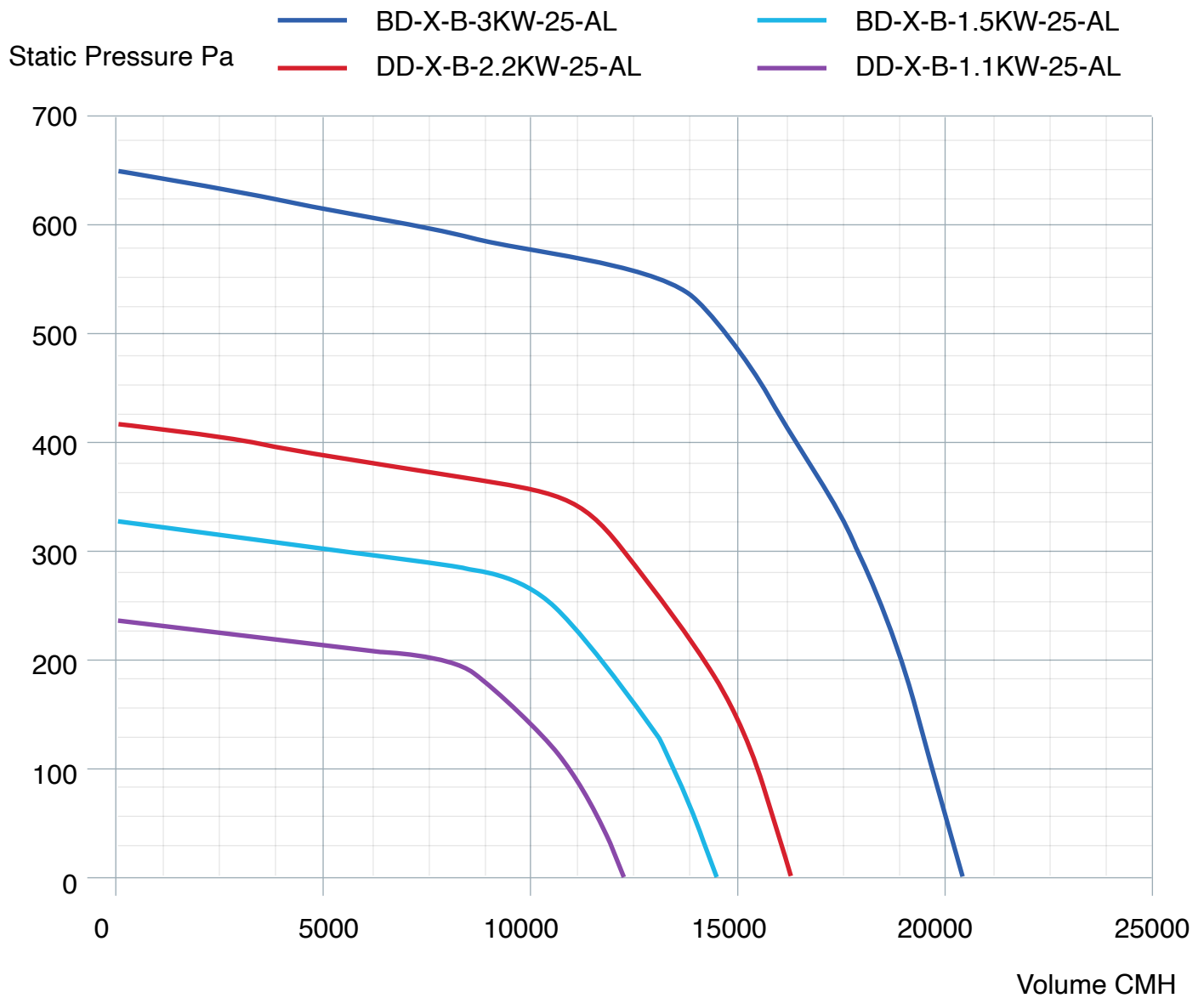
BD-X-B-1.5KW-25-AL / BD-X-B-3KW-25-AL



STANDARD FEATURES

- Exhaust fan specifically designed for roof or sidewall mounted applications where contaminated or grease laden exhaust air can be discharged directly upward, away from the roof or wall surface
- Heavy duty aluminum construction, durable and weather resistant
 - Coated with corrosion resistant epoxy resin
- Vibration Isolators support the drive frame and blower assembly for long life and minimal sound transmission into the building
- Direct Drive or Belt Drive
- Base with prepunched mounting holes for easy attachment to roof curb
- Drain/Grease Trough - Allows for one-point drainage of water, grease and other residues
- Comes with Grease Collector and Hinge Kit

MODEL	POWER	AC MOTOR 1Ø	AC MOTOR 3Ø	FAN SPEED	IMPELLER DIA
DD-X-B-2.2KW-25-AL	2.2KW	NONE	380V or 415/50Hz	960RPM Direct Drive	25inch
DD-X-B-1.1KW-25-AL	1.1KW	220V/-240V/50Hz	380V or 415/50Hz	720RPM Direct Drive	
BD-X-B-1.5KW-25-AL	1.5KW	220V/-240V/50Hz	380V or 415/50Hz	850RPM Belt Drive	
BD-X-B-3KW-25-AL	3KW	NONE	380V or 415/50Hz	1200RPM Belt Drive	



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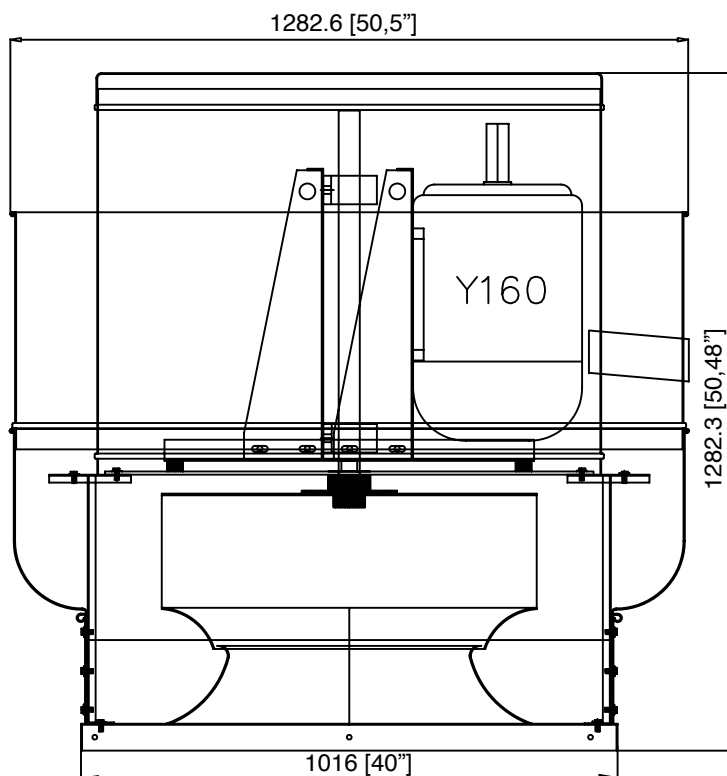
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DD-X-B-4KW-28-AL / DD-X-B-2.2KW-28-AL

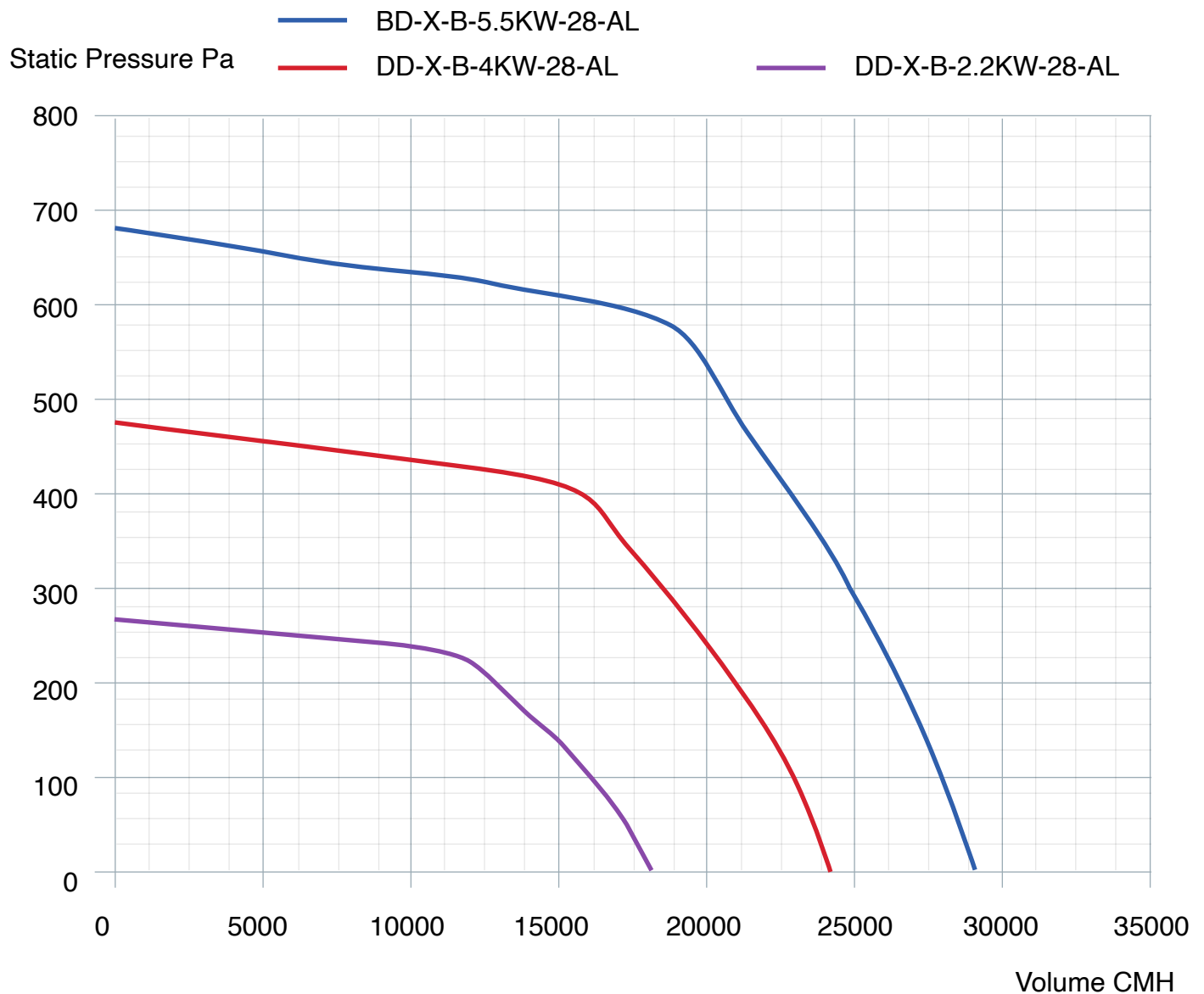
BD-X-B-5.5KW-28-AL



STANDARD FEATURES

- Exhaust fan specifically designed for roof or sidewall mounted applications where contaminated or grease laden exhaust air can be discharged directly upward, away from the roof or wall surface
- Heavy duty aluminum construction, durable and weather resistant
 - Coated with corrosion resistant epoxy resin
- Vibration Isolators support the drive frame and blower assembly for long life and minimal sound transmission into the building
- Direct Drive or Belt Drive
- Base with prepunched mounting holes for easy attachment to roof curb
- Drain/Grease Trough - Allows for one-point drainage of water, grease and other residues
- Comes with Grease Collector and Hinge Kit

MODEL	POWER	AC MOTOR 1Ø	AC MOTOR 3Ø	FAN SPEED	IMPELLER DIA
DD-X-B-4KW-28-AL	4KW	NONE	380V or 415/50Hz	960RPM Direct Drive	28inch
DD-X-B-2.2KW-28-AL	2.2KW	NONE	380V or 415/50Hz	720RPM Direct Drive	
BD-X-B-5.5KW-28-AL	5.5KW	NONE	380V or 415/50Hz	1150RPM Belt Drive	



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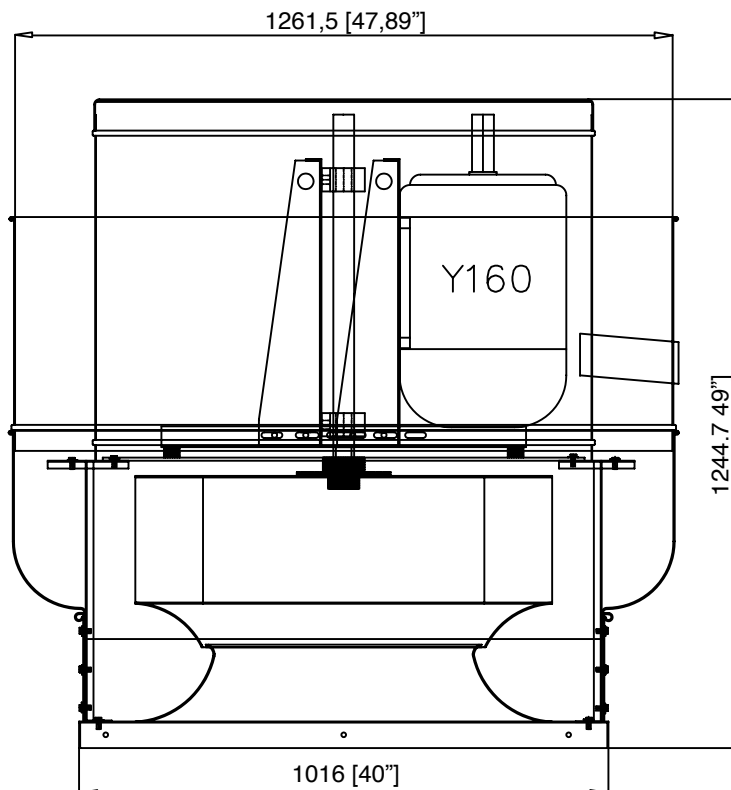
Designed In USA.

PERFORMANCE. DURABILITY. VALUE.



DD-X-B-5.5KW-32-AL / DD-X-B-4KW-32-AL

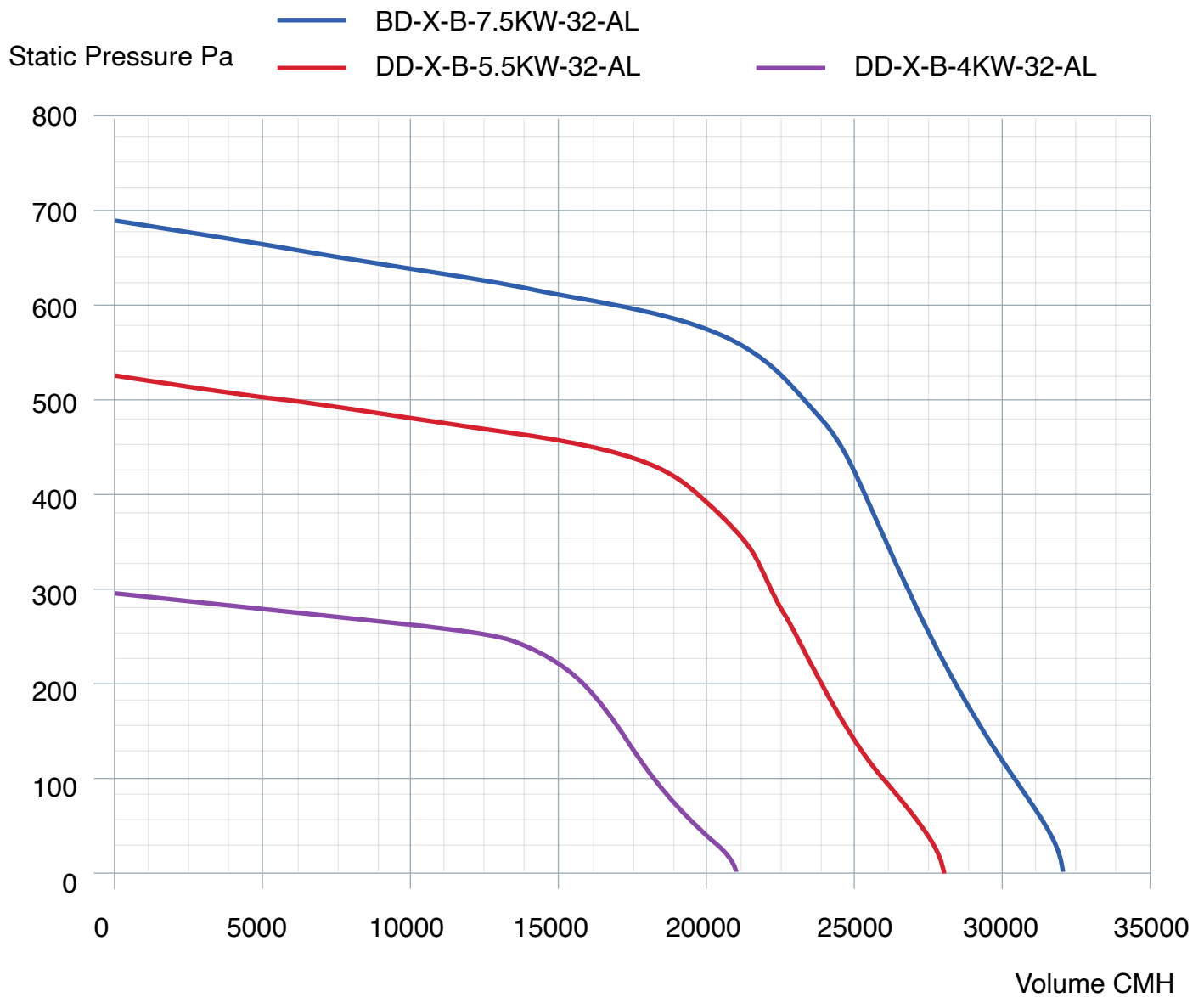
BD-X-B-7.5KW-32-AL



STANDARD FEATURES

- Exhaust fan specifically designed for roof or sidewall mounted applications where contaminated or grease laden exhaust air can be discharged directly upward, away from the roof or wall surface
- Heavy duty aluminum construction, durable and weather resistant
 - Coated with corrosion resistant epoxy resin
- Vibration Isolators support the drive frame and blower assembly for long life and minimal sound transmission into the building
- Direct Drive or Belt Drive
- Base with prepunched mounting holes for easy attachment to roof curb
- Drain/Grease Trough - Allows for one-point drainage of water, grease and other residues
- Comes with Grease Collector and Hinge Kit

MODEL	POWER	AC MOTOR 1Ø	AC MOTOR 3Ø	FAN SPEED	IMPELLER DIA
DD-X-B-5.5KW-32-AL	5.5KW	NONE	380V or 415/50Hz	960RPM Direct Drive	32inch
DD-X-B-4KW-32-AL	4KW	NONE	380V or 415/50Hz	720RPM Direct Drive	
BD-X-B-7.5KW-32-AL	7.5KW	NONE	380V or 415/50Hz	1100RPM Belt Drive	



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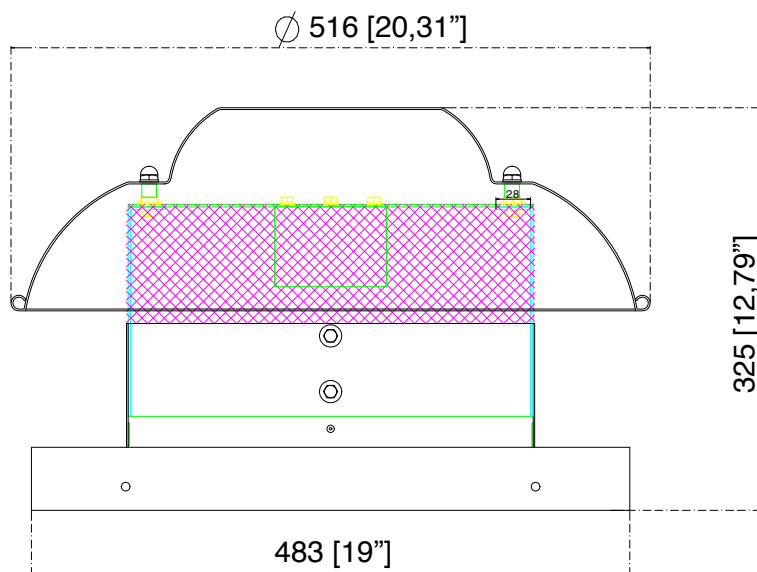


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DD-50-X-A-70W-12-AL



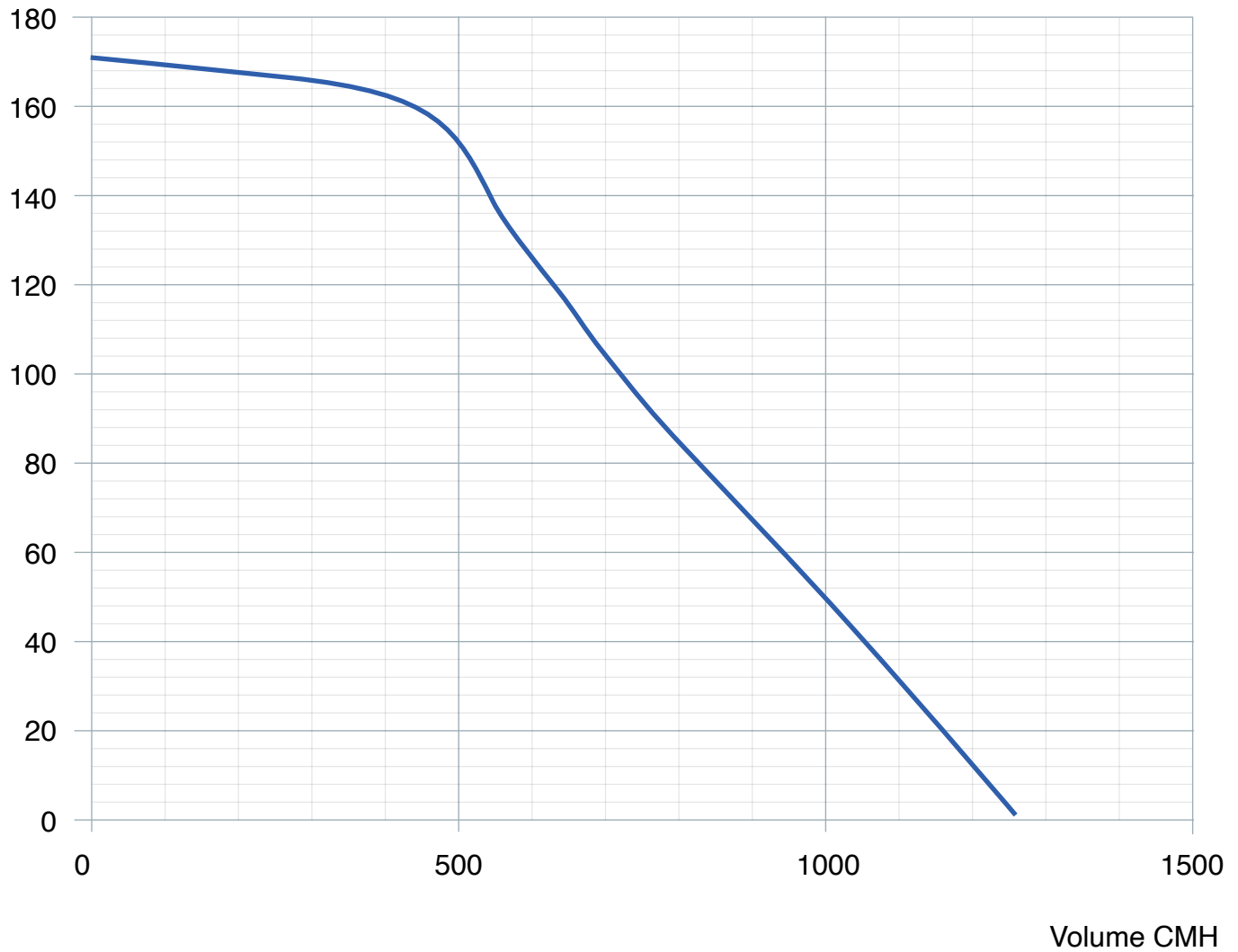
STANDARD FEATURES

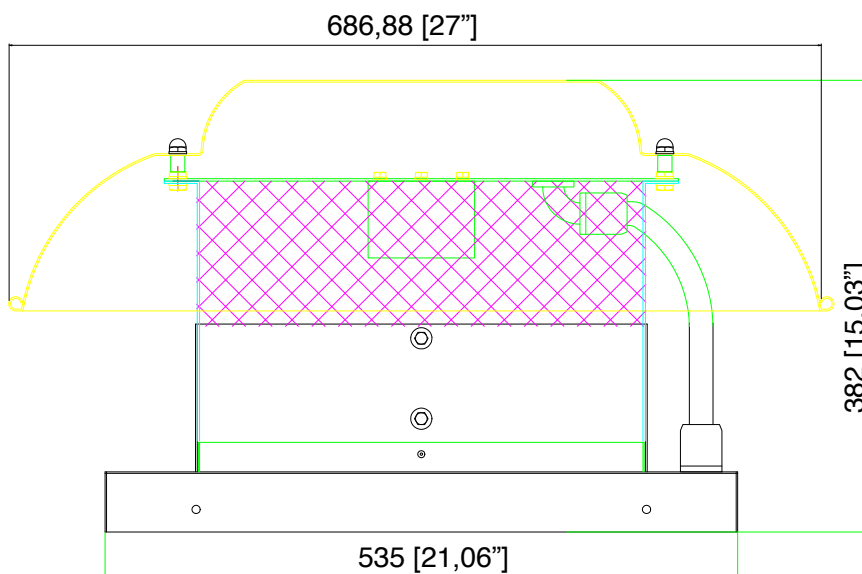
- Direct-Drive exhaust fan that can be used anywhere general air exhaust is required
- Commercial kitchens, office buildings, bakeries, laundries, factories, warehouses, foundries, locker rooms, etc.
- Aluminum housing coated with corrosion resistant epoxy resin for rust free weather resistant durability
- Vibration Isolators support the drive frame and blower assembly for long life and minimal sound transmission into the building

MODEL	VOLTAGE	POWER	ROTATION SPEED
DD-50-X-A-70W-12-AL	220-240/50	70W	1410RPM

Static Pressure Pa

— DD-50-X-A-70W-12-AL



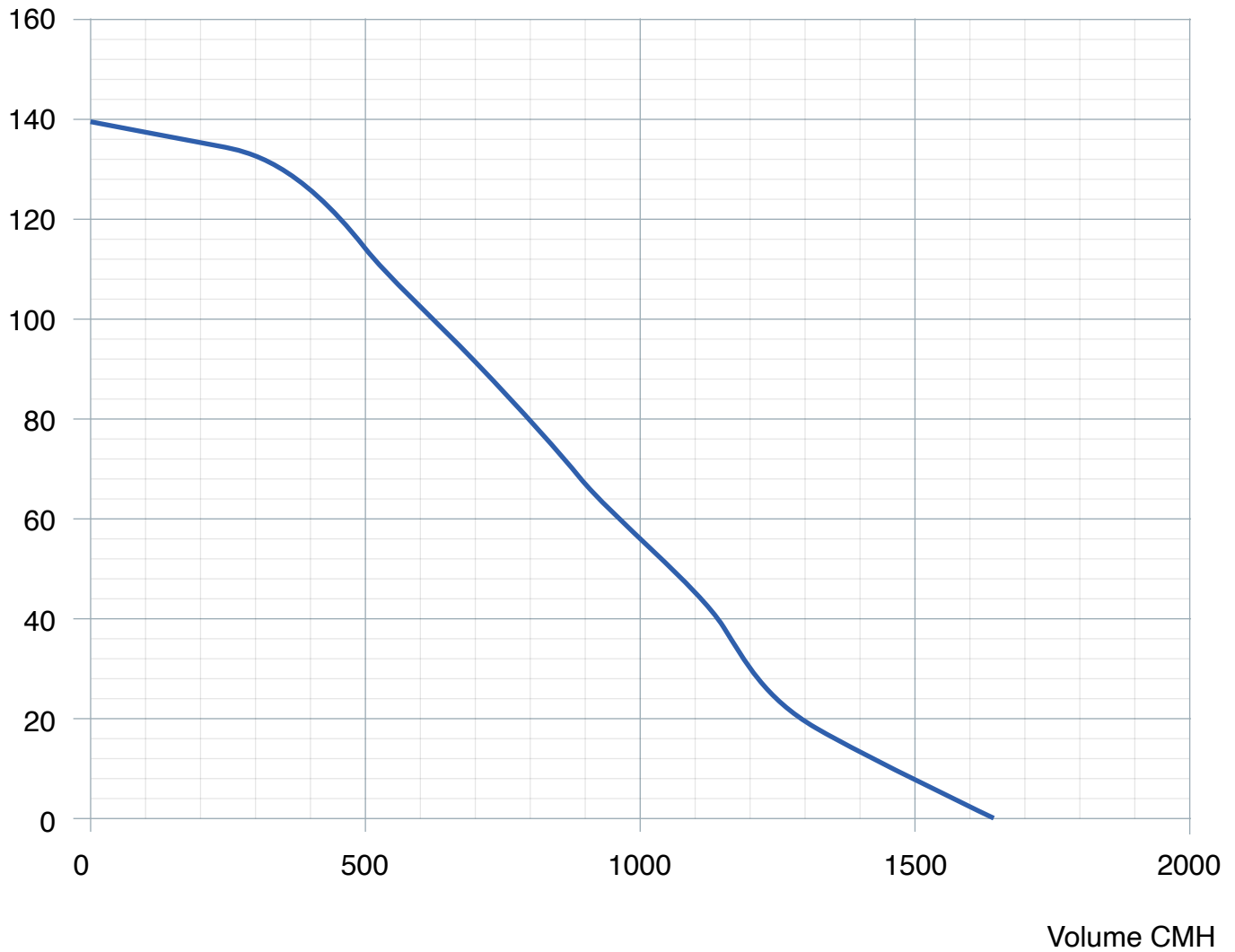
**DD-50-X-A-120W-14-AL****STANDARD FEATURES**

- Direct-Drive exhaust fan that can be used anywhere general air exhaust is required
- Commercial kitchens, office buildings, bakeries, laundries, factories, warehouses, foundries, locker rooms, etc.
- Aluminum housing coated with corrosion resistant epoxy resin for rust free weather resistant durability
- Vibration Isolators support the drive frame and blower assembly for long life and minimal sound transmission into the building

MODEL	VOLTAGE	POWER	ROTATION SPEED
DD-50-X-A-120W-14-AL	220-240/50	120W	920RPM

Static Pressure Pa

— DD-50-X-A-120W-14-AL

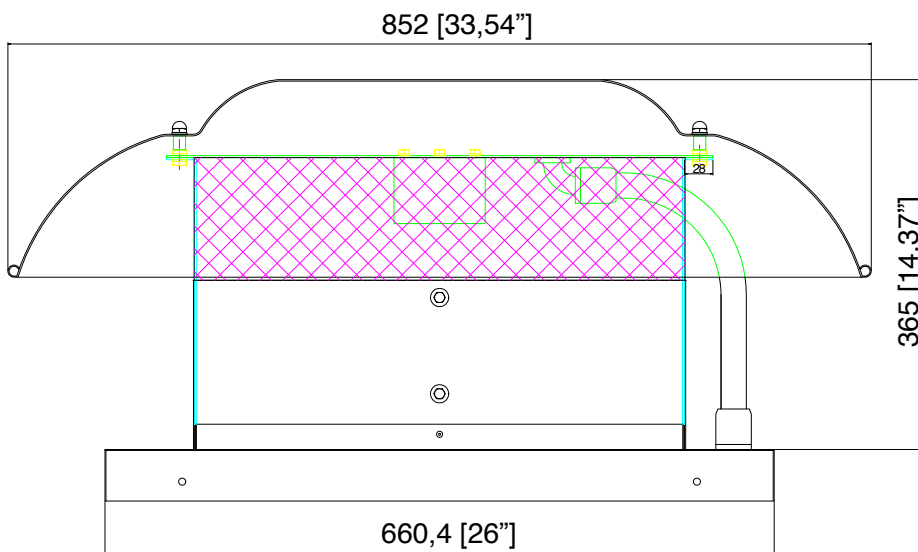
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DD-50-X-A-180W-18-AL



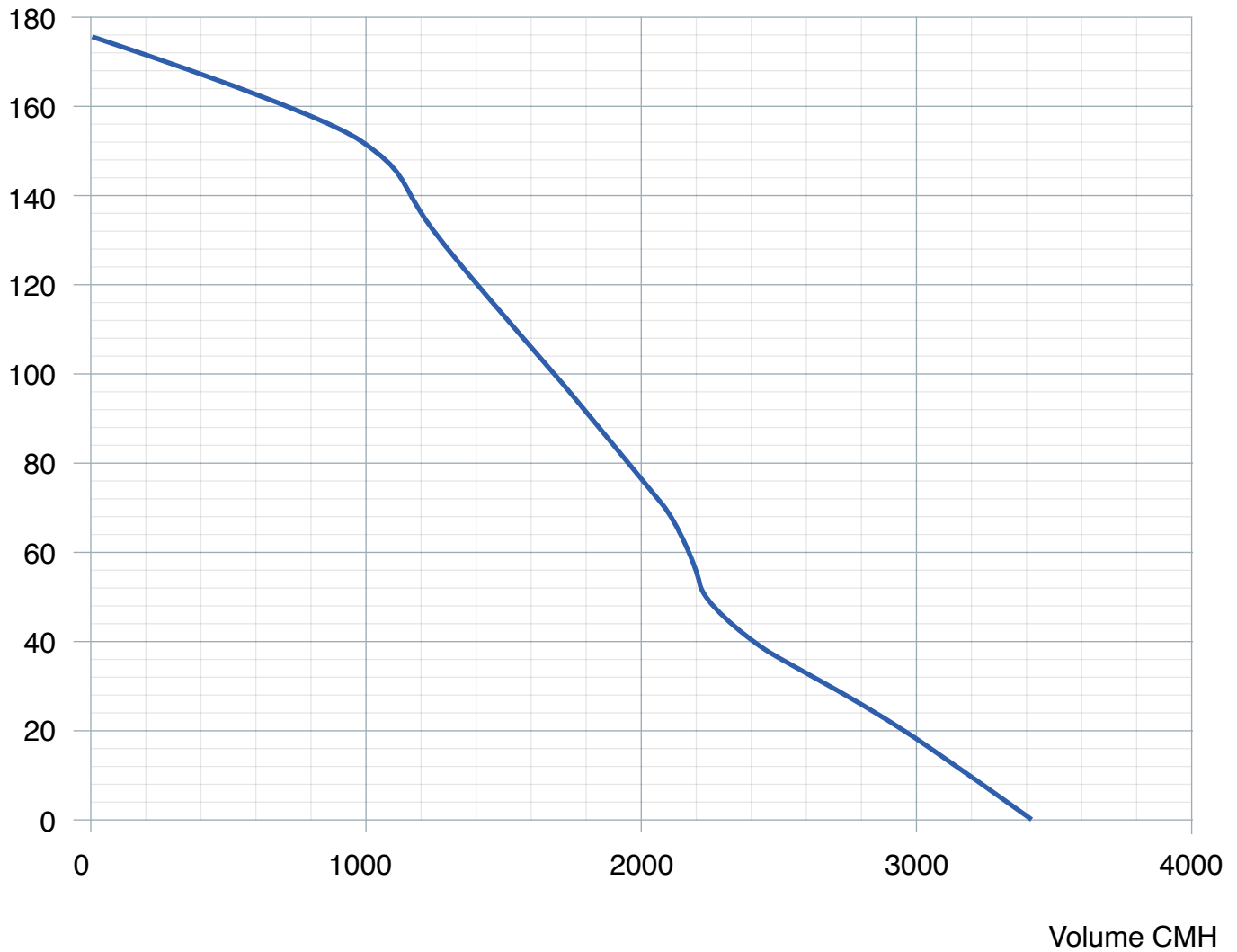
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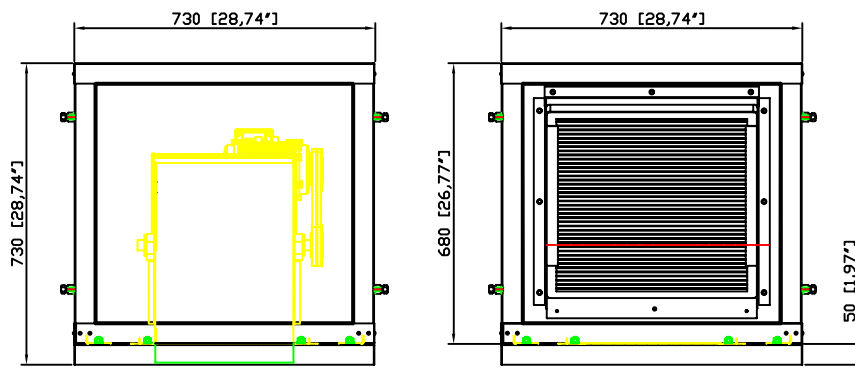
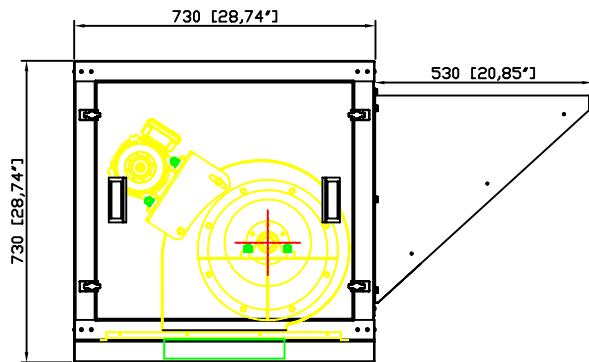
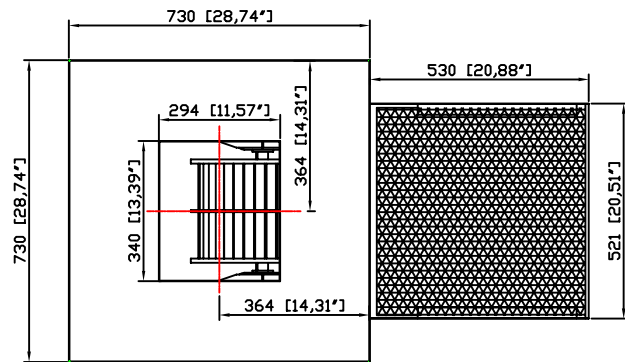
Static Pressure Pa

— DD-50-X-A-180W-18-AL





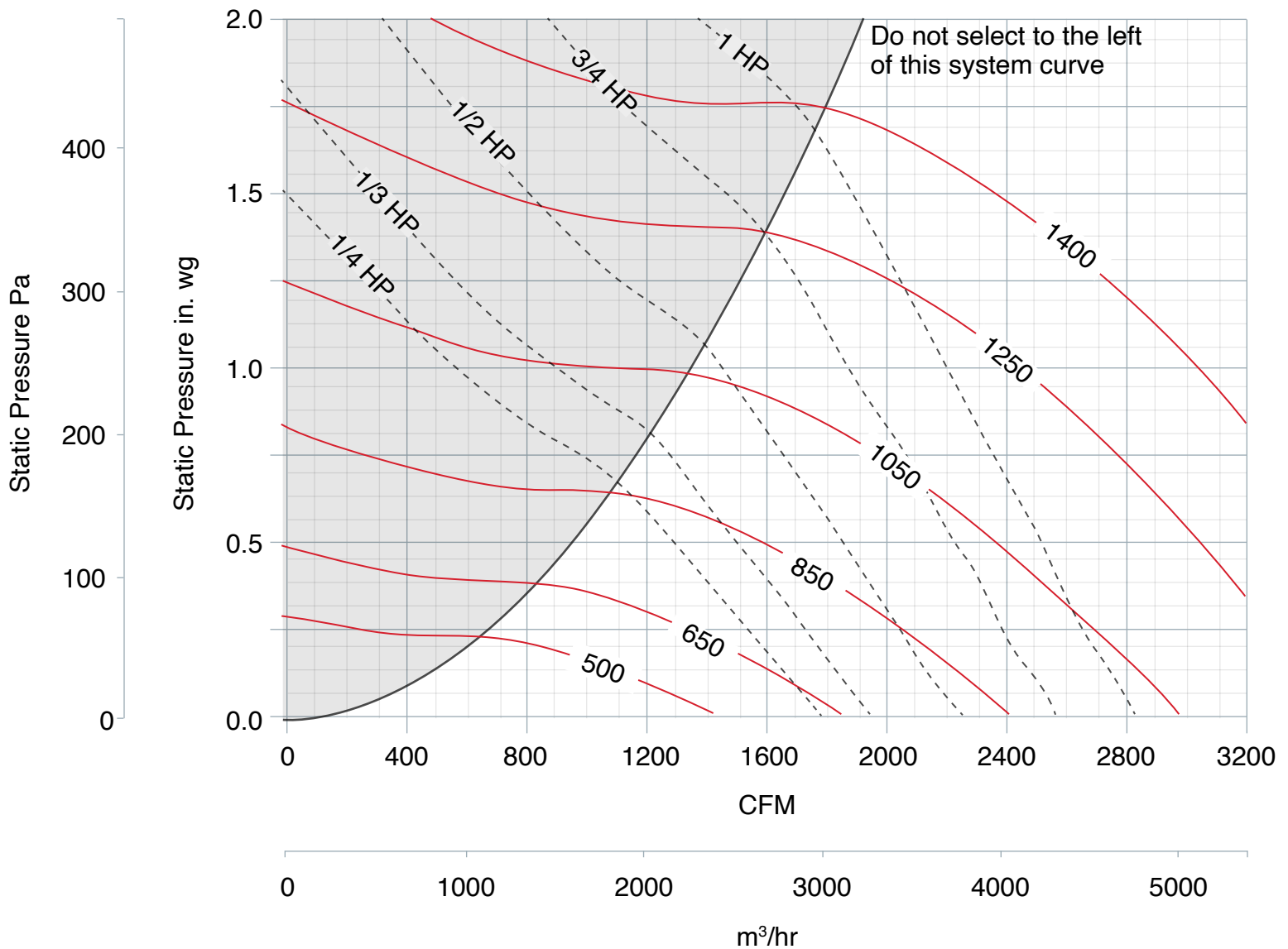
BD-MUA-.37KW-10-Q / BD-MUA-.75KW-10-Q

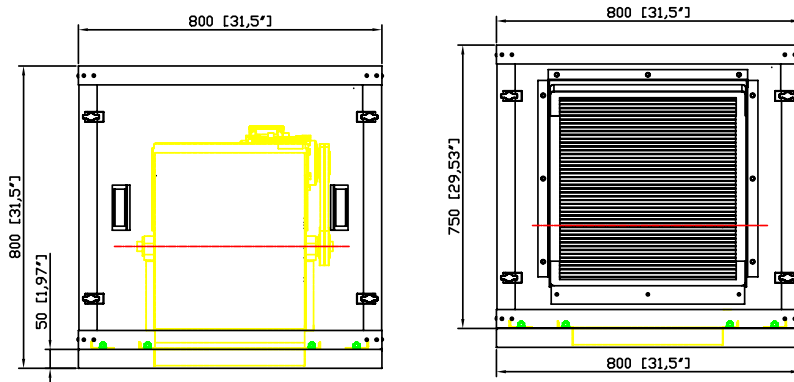
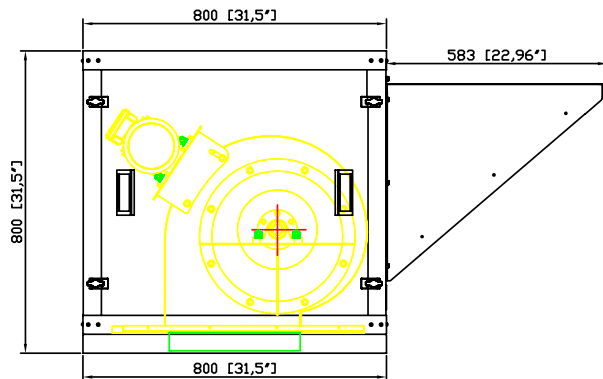
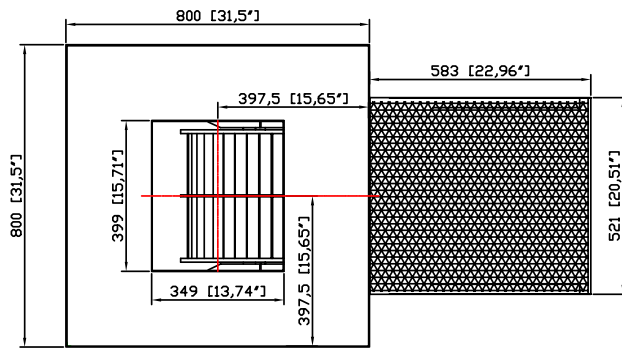


STANDARD FEATURES

- Filtered belt-drive air supply fan designed to provide non-tempered make-up air to commercial or industrial buildings, including commercial kitchen applications
- Heavy duty galvanized steel construction, durable and weather resistant
- Coated with corrosion resistant epoxy resin
- Permanent, washable aluminum filters
- Filter racks are designed to allow filters to slide out easily
- Base with prepunched mounting holes for easy attachment to roof curb
- Vibration Isolators support the drive frame and blower assembly for long life and minimal sound transmission into the building

MODEL	POWER	AC MOTOR 1Ø	AC MOTOR 3Ø	FAN SPEED	IMPELLER DIA
BD-MUA-.37KW-10-Q	0.37KW	220V-240V/50Hz	380V-415V/50Hz	950RPM	10inch
BD-MUA-.75KW-10-Q	0.75KW	220V-240V/50Hz	380V-415V/50Hz	1050RPM	

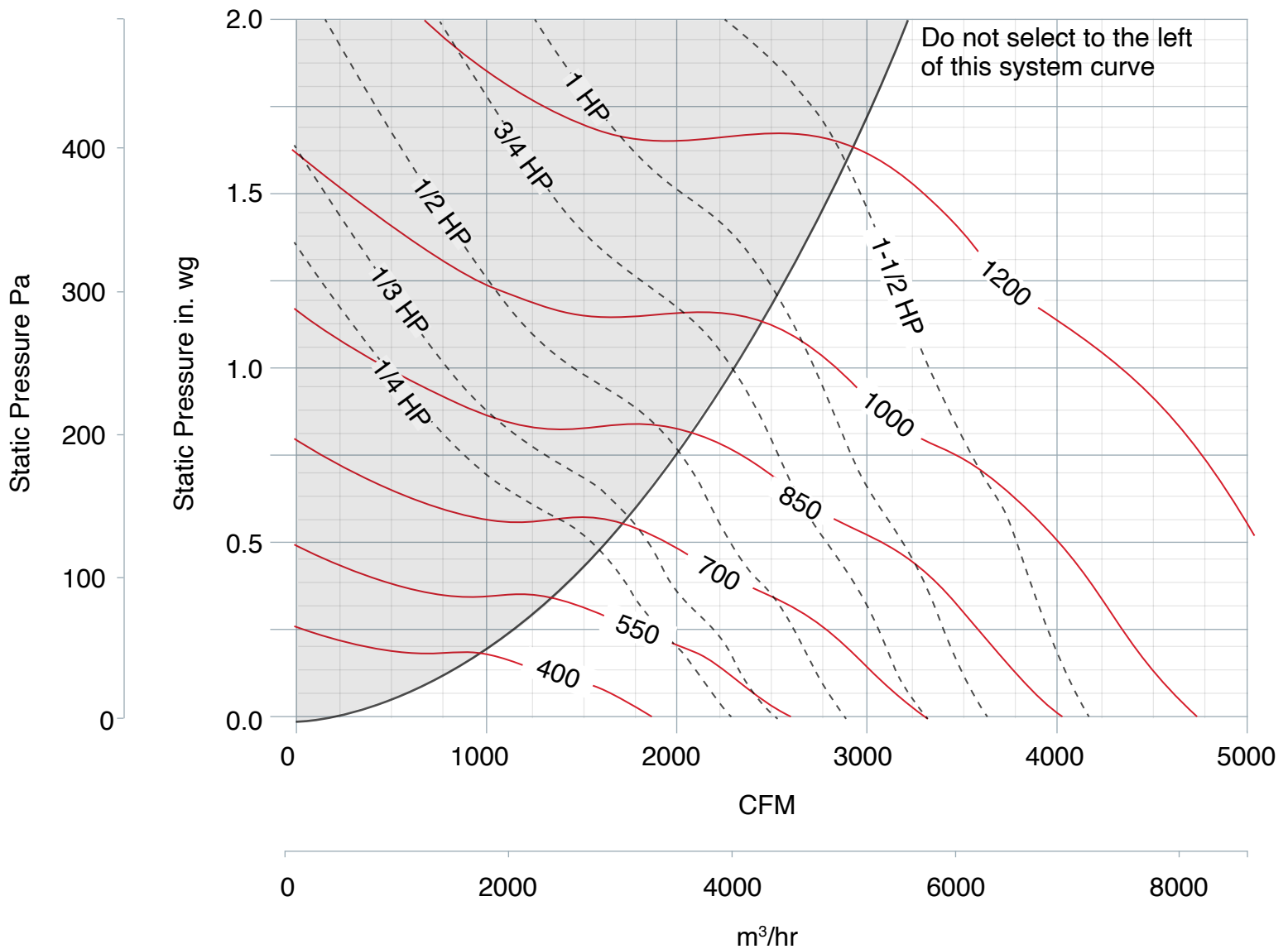



BD-MUA-.75KW-12-Q / BD-MUA-1.1KW-12-Q


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MODEL	POWER	AC MOTOR 1Ø	AC MOTOR 3Ø	FAN SPEED	IMPELLER DIA
BD-MUA-.75KW-12-Q	0.75KW	220V-240V/50Hz	380V-415V/50Hz	820RPM	12inch
BD-MUA-1.1KW-12-Q	1.1KW	220V-240V/50Hz	380V-415V/50Hz	950RPM	

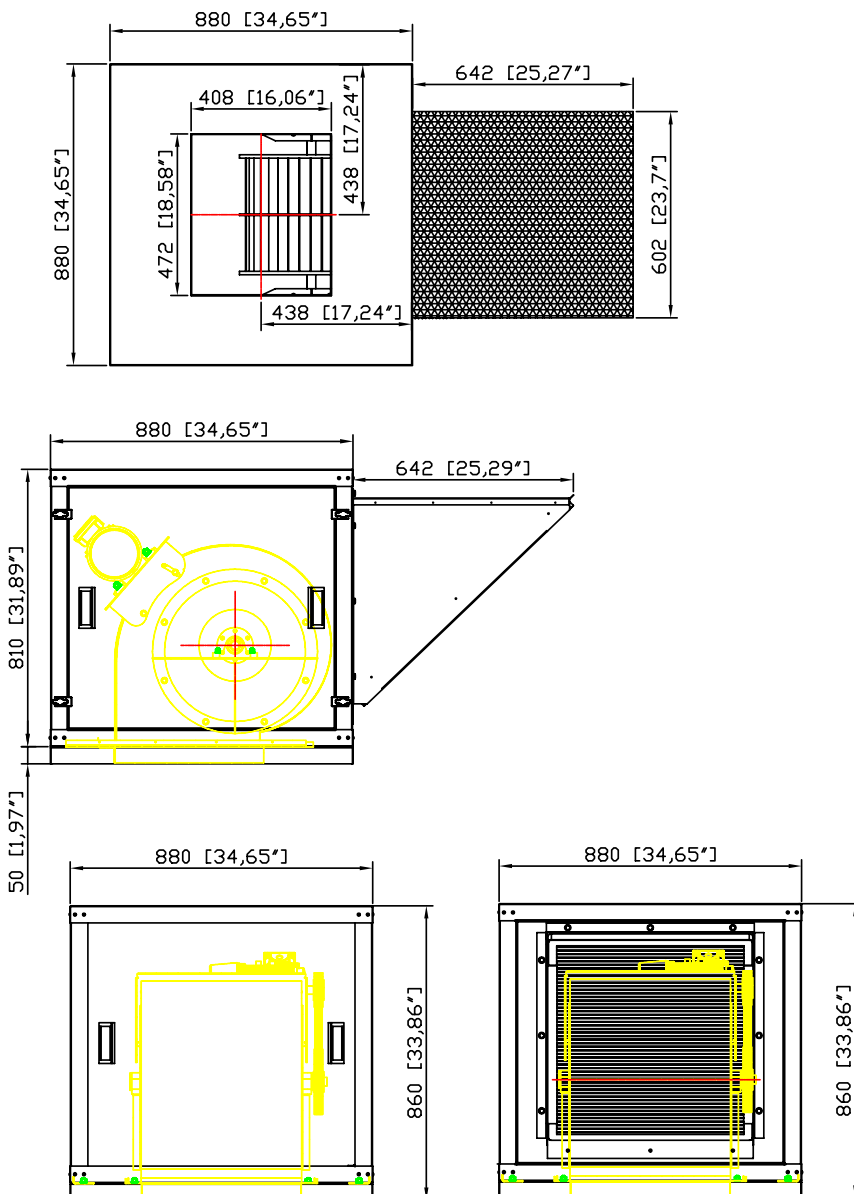




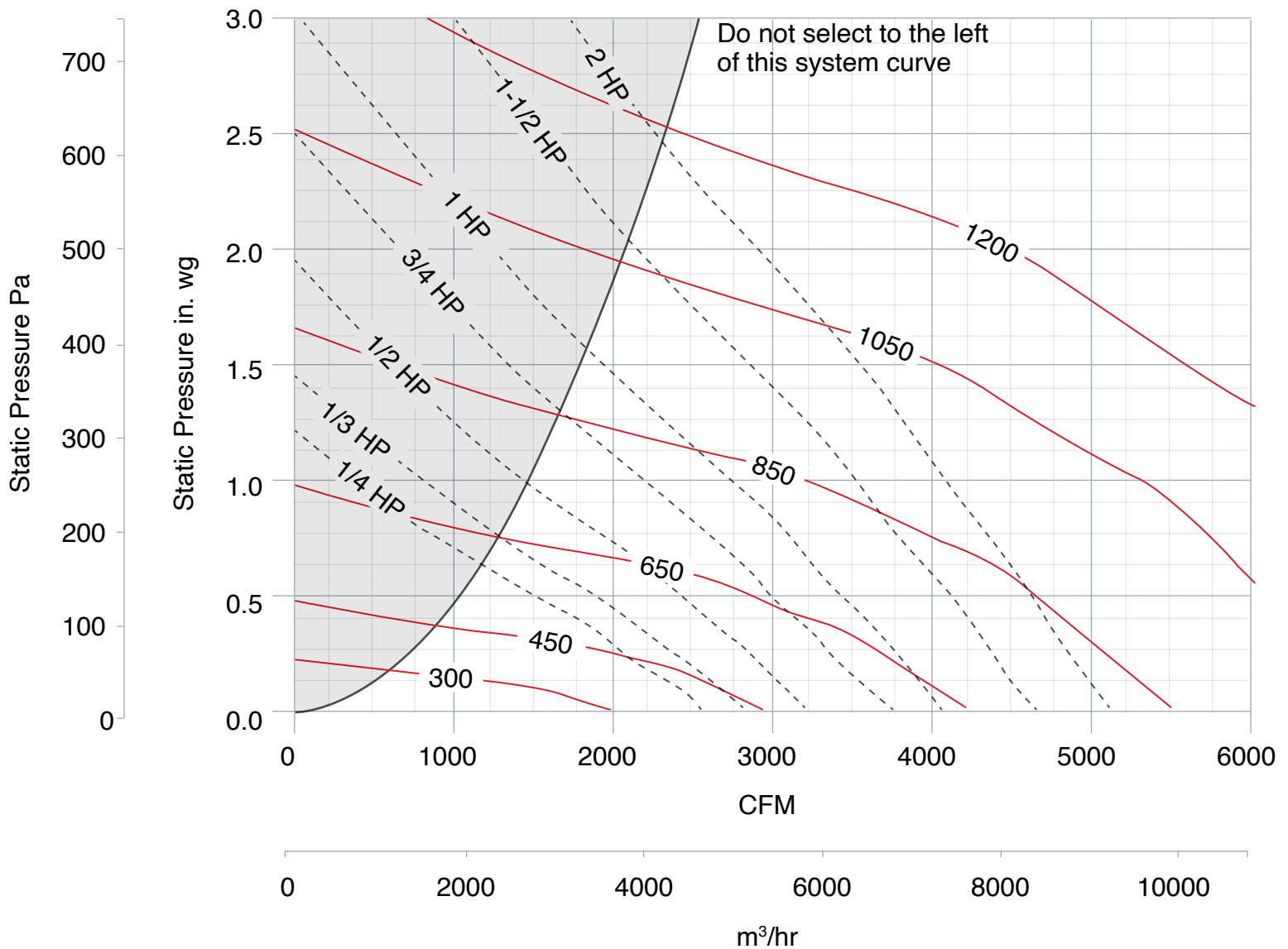
BD-MUA-1.1KW-15-Q / BD-MUA-1.5KW-15-Q

STANDARD FEATURES

- Filtered belt-drive air supply fan designed to provide non-tempered make-up air to commercial or industrial buildings, including commercial kitchen applications
- Heavy duty galvanized steel construction, durable and weather resistant
- Coated with corrosion resistant epoxy resin
- Permanent, washable aluminum filters
- Filter racks are designed to allow filters to slide out easily
- Base with prepunched mounting holes for easy attachment to roof curb
- Vibration Isolators support the drive frame and blower assembly for long life and minimal sound transmission into the building

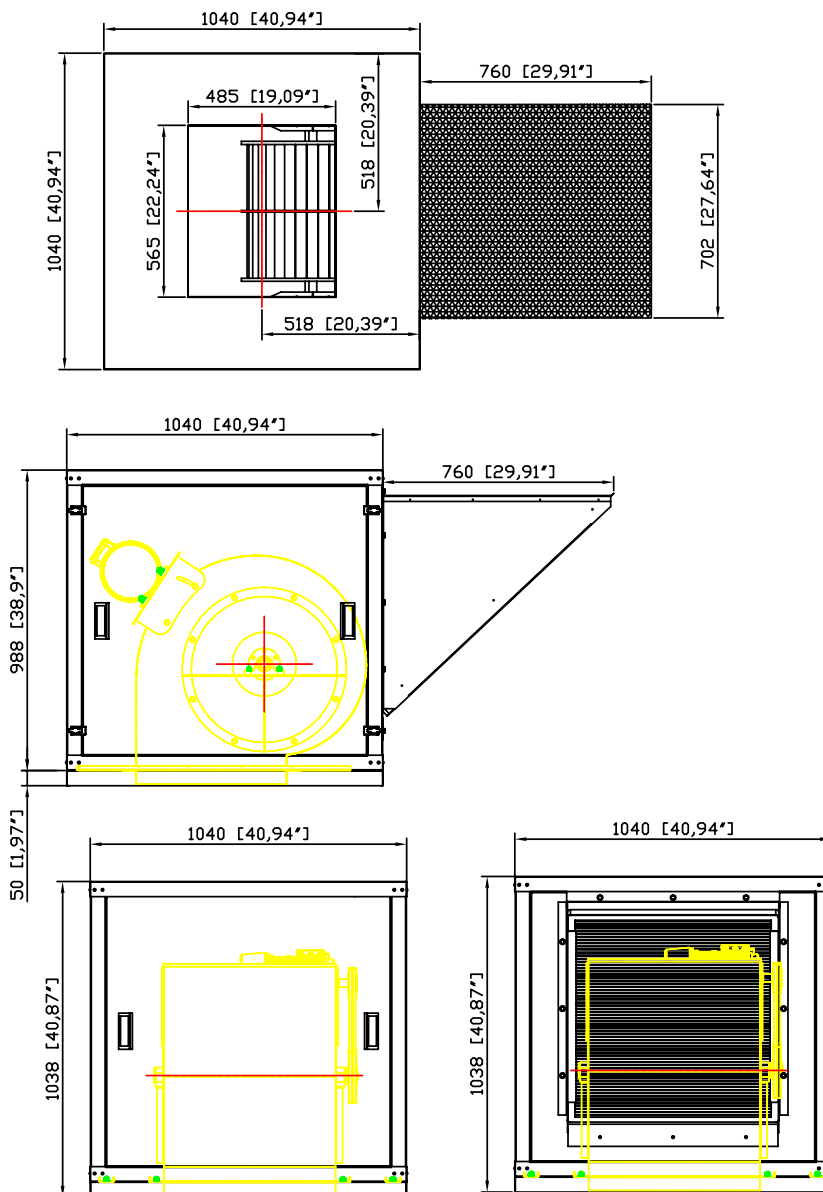


MODEL	POWER	AC MOTOR 1Ø	AC MOTOR 3Ø	FAN SPEED	IMPELLER DIA
BD-MUA-1.1KW-15-Q	1.1KW	220V-240V/50Hz	380V-415V/50Hz	750RPM	15inch
BD-MUA-1.5KW-15-Q	1.5KW	220V-240V/50Hz	380V-415V/50Hz	920RPM	





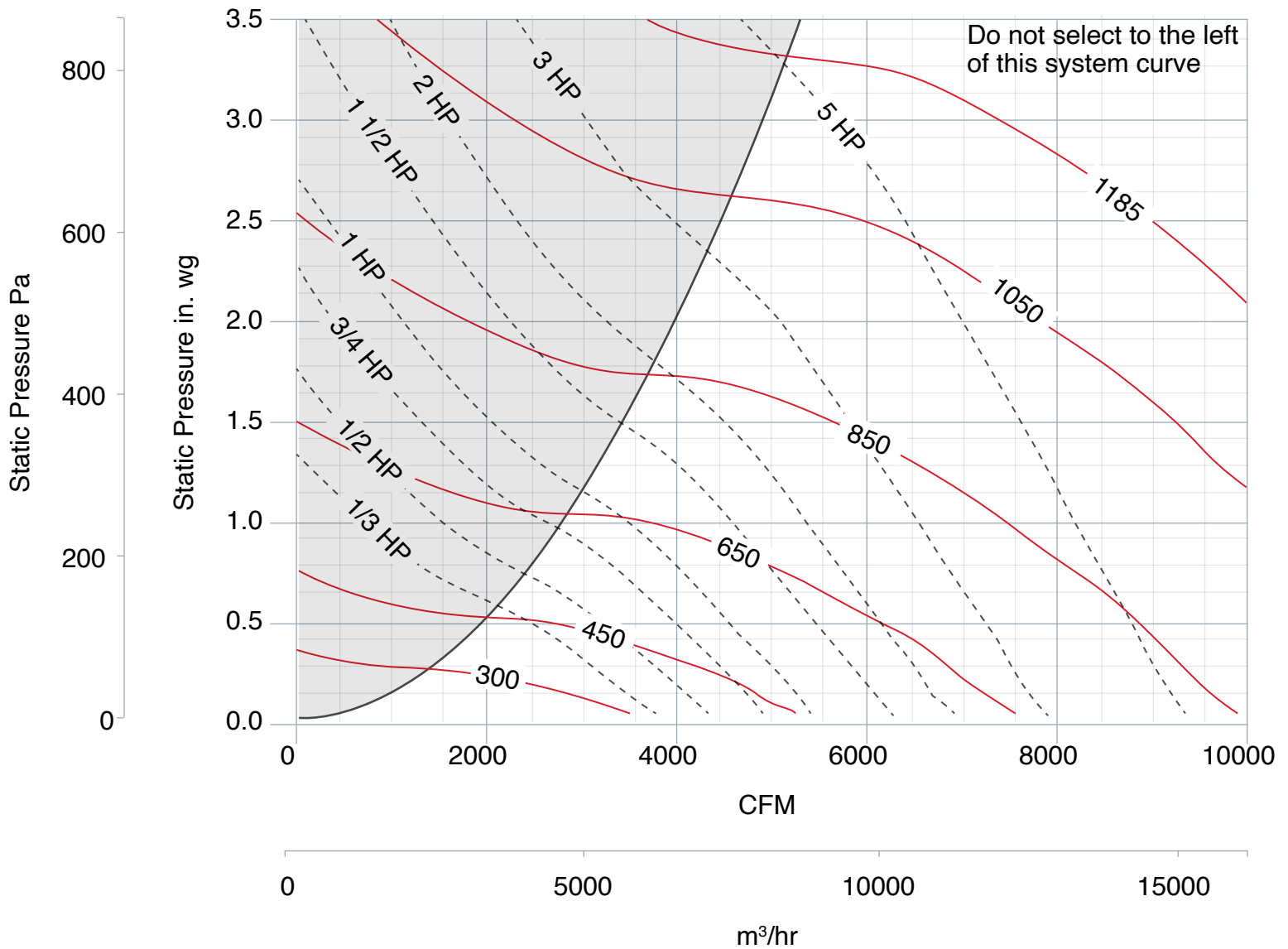
BD-MUA-1.1KW-18-Q / BD-MUA-1.5KW-18-Q / BD-MUA-2.2KW-18-Q



STANDARD FEATURES

- Filtered belt-drive air supply fan designed to provide non-tempered make-up air to commercial or industrial buildings, including commercial kitchen applications
- Heavy duty galvanized steel construction, durable and weather resistant
- Coated with corrosion resistant epoxy resin
- Permanent, washable aluminum filters
- Filter racks are designed to allow filters to slide out easily
- Base with prepunched mounting holes for easy attachment to roof curb
- Vibration Isolators support the drive frame and blower assembly for long life and minimal sound transmission into the building

MODEL	POWER	AC MOTOR 1Ø	AC MOTOR 3Ø	FAN SPEED	IMPELLER DIA
BD-MUA-1.1KW-18-Q	1.1KW	220V-240V/50Hz	380V-415V/50Hz	610RPM	18inch
BD-MUA-1.5KW-18-Q	1.5KW	220V-240V/50Hz	380V-415V/50Hz	710RPM	
BD-MUA-2.2KW-18-Q	2.2KW	220V-240V/50Hz	380V-415V/50Hz	800RPM	

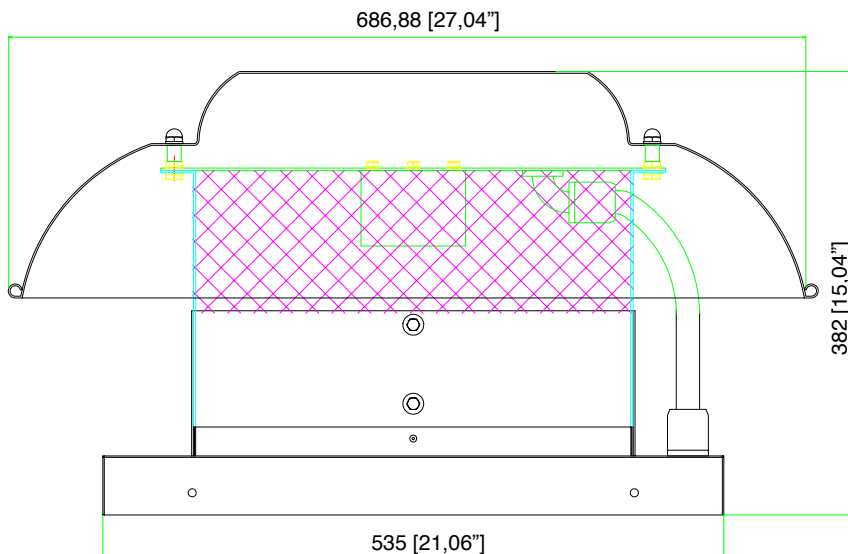




DD-50-MUA-A-120W-14-AL

STANDARD FEATURES

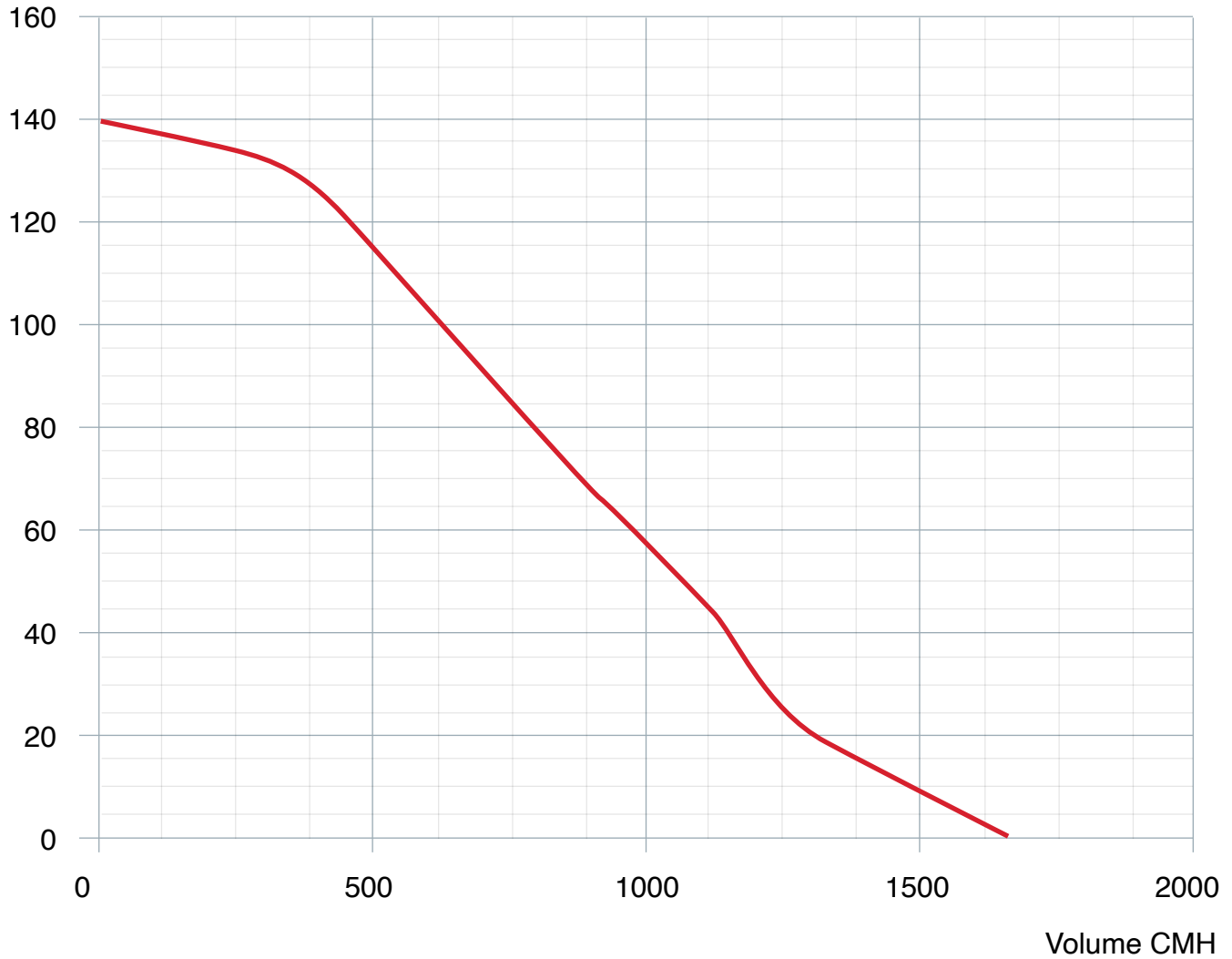
- Direct-Drive make-up air supply that can be used anywhere fresh air is needed to replace exhaust air
 - Commercial kitchens, office buildings, bakeries, laundries, factories, warehouses, foundries, locker rooms, etc.
- Aluminum housing coated with corrosion resistant epoxy resin for rust free weather resistant durability
- Vibration Isolators support the drive frame and blower assembly for long life and minimal sound transmission into the building



MODEL	VOLTAGE	POWER	ROTATION SPEED
DD-50-MUA-A-120W-14-AL	220V-240V/50HZ	120W	920rpm

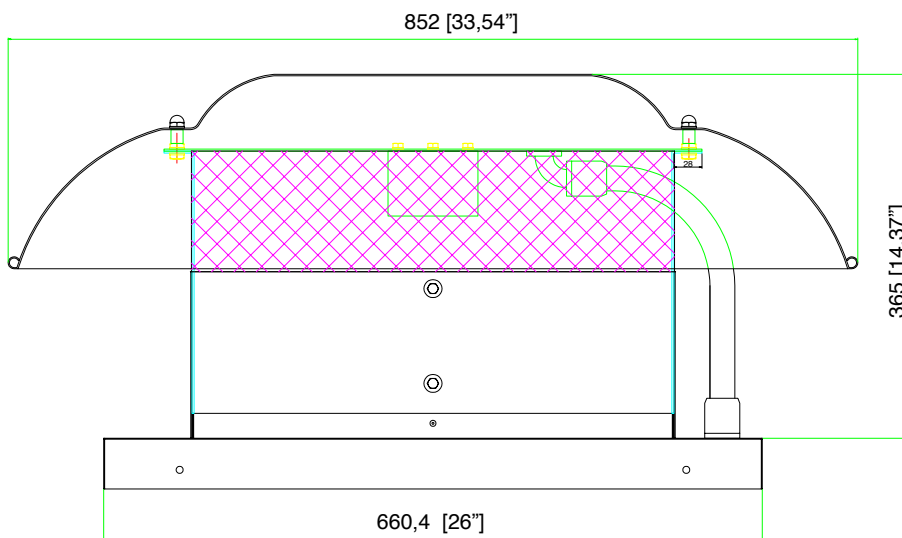
Static Pressure Pa

— DD-50-MUA-A-120W-14-AL





DD-50-MUA-A-180W-18-AL



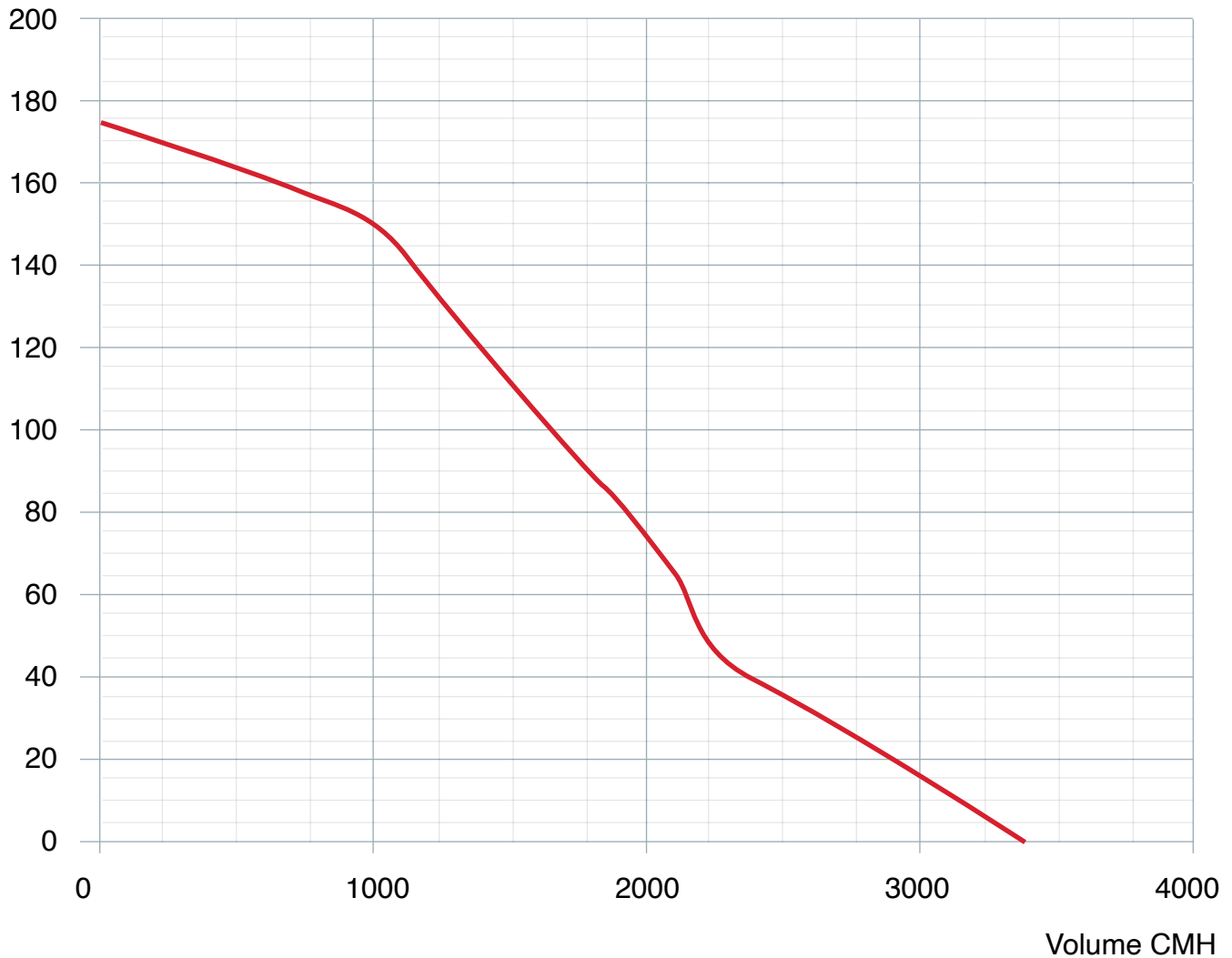
STANDARD FEATURES

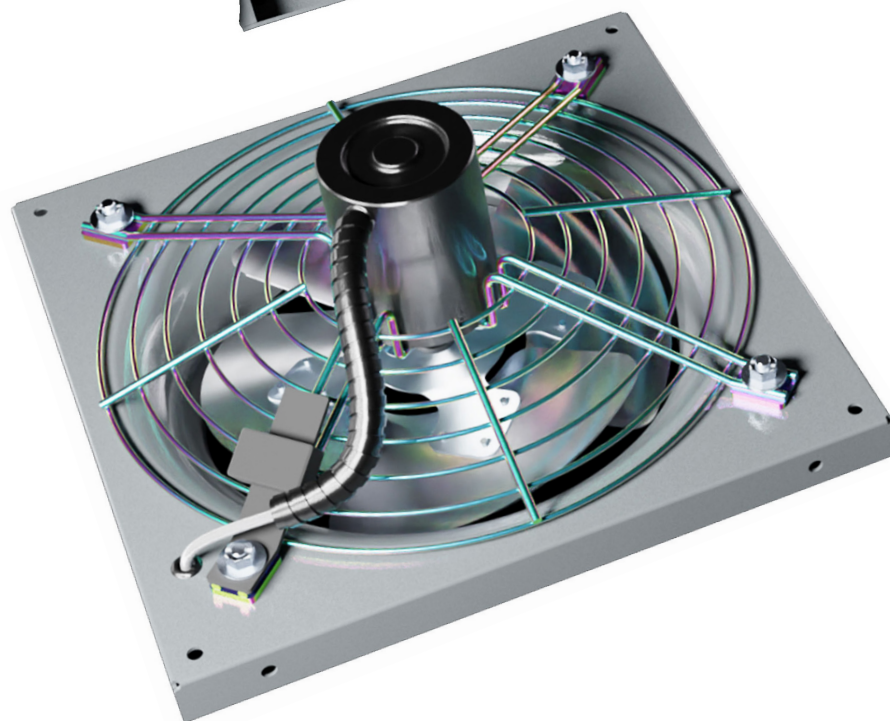
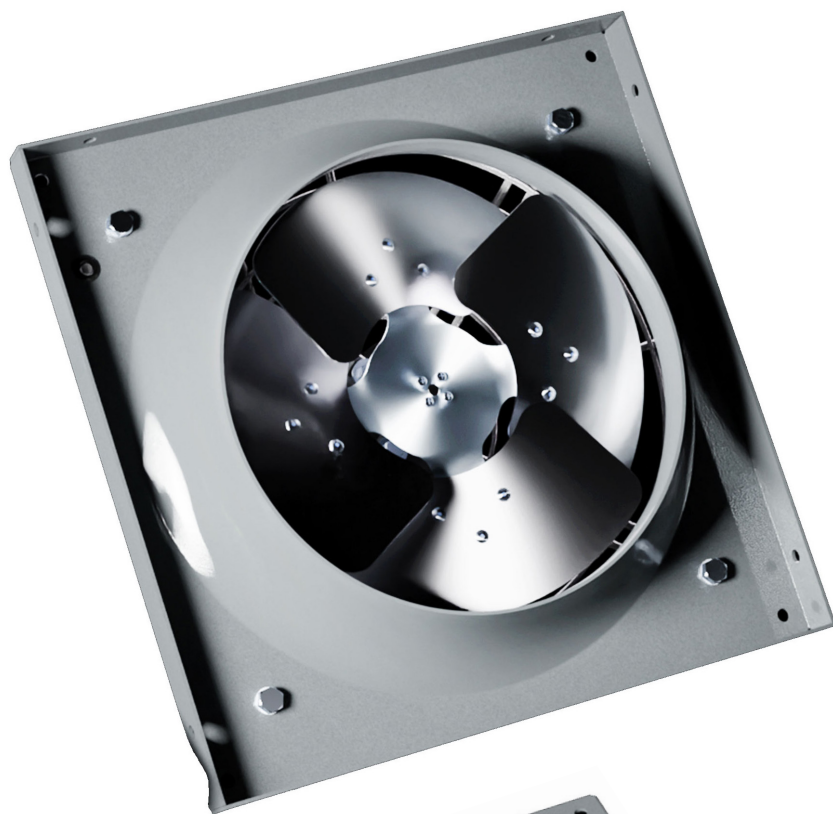
- Direct-Drive make-up air supply that can be used anywhere fresh air is needed to replace exhaust air
 - Commercial kitchens, office buildings, bakeries, laundries, factories, warehouses, foundries, locker rooms, etc.
- Aluminum housing coated with corrosion resistant epoxy resin for rust free weather resistant durability
- Vibration Isolators support the drive frame and blower assembly for long life and minimal sound transmission into the building

MODEL	VOLTAGE	POWER	ROTATION SPEED
DD-50-MUA-A-180W-18-AL	220V-240V/50HZ	180W	920rpm

Static Pressure Pa

— DD-50-MUA-A-180W-18-AL

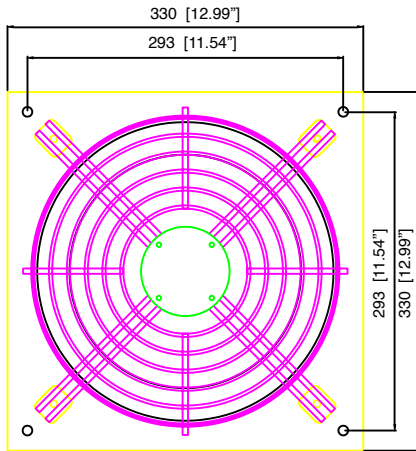
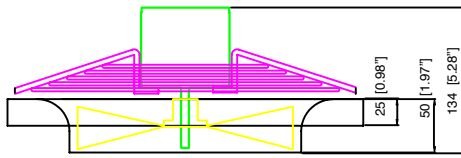




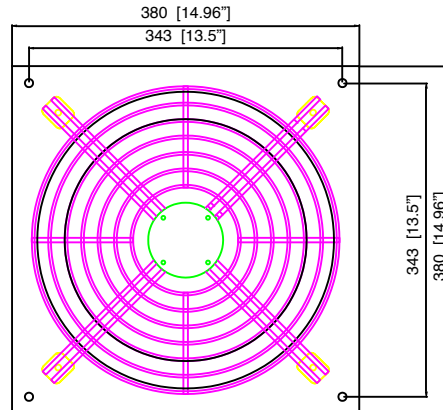
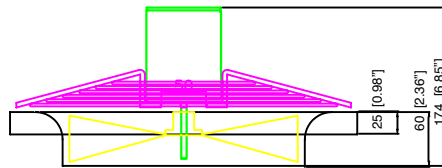
SWF-37W-08 / SWF-75W-10 / SWF-75W-12

STANDARD FEATURES

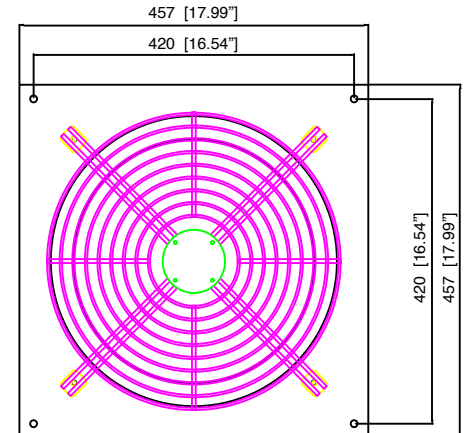
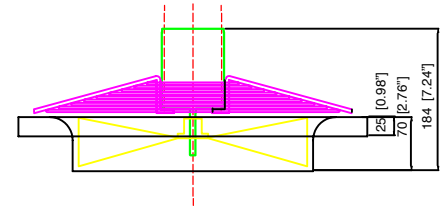
- Direct-drive sidewall propeller fan provides general exhaust or air supply in commercial and industrial applications
- Heavy duty galvanized steel construction coated with corrosion resistant epoxy resin
- Units feature corrosion resistant aluminum propellers



SWF-37W-08



SWF-75W-10



SWF-75W-12

MODEL	VOLTAGE	POWER	FAN RPM	IMPELLER DIA
SWF-37W-08	220V-240V/50Hz	37W	1410	8inch
SWF-75W-10	220V-240V/50Hz	75W	1410	10inch
SWF-75W-12	220V-240V/50Hz	75W	1410	12inch



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