

CHA Square Inline Fan



For Middle East and South American

CKS Fan Global Industry CHA Square Inline Fan are designed to provide efficient and reliable operation for commercial and extractive industry. Our products are manufactured with state of the art laser, forming, spinning and welding equipment and ensure our quality control testing to ensure trouble free start-up. Our CHA Square Inline Fan are including industry leading design features to ensure your ventilation equipment has the latest technologies available

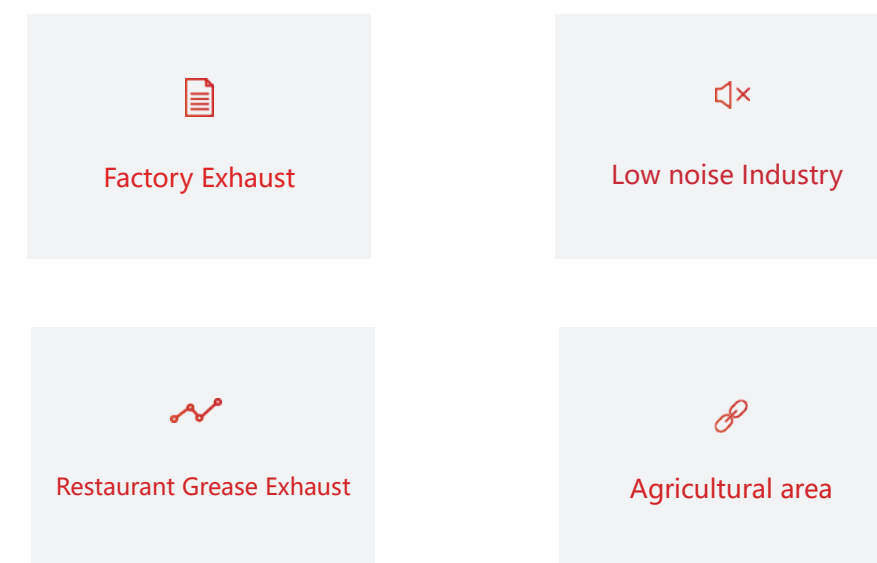


Main Features With RCD Series

- Full mold, full welded structure, galvanized sheet or stainless steel housing
- Technology axial impeller with higher efficiency and lower noise
- Compact design, easy to install
- It is designed for direct connection in line with standard diameter circular ducting
- Chinese Energy Saving label
- ISO9001:2000 controllable standard

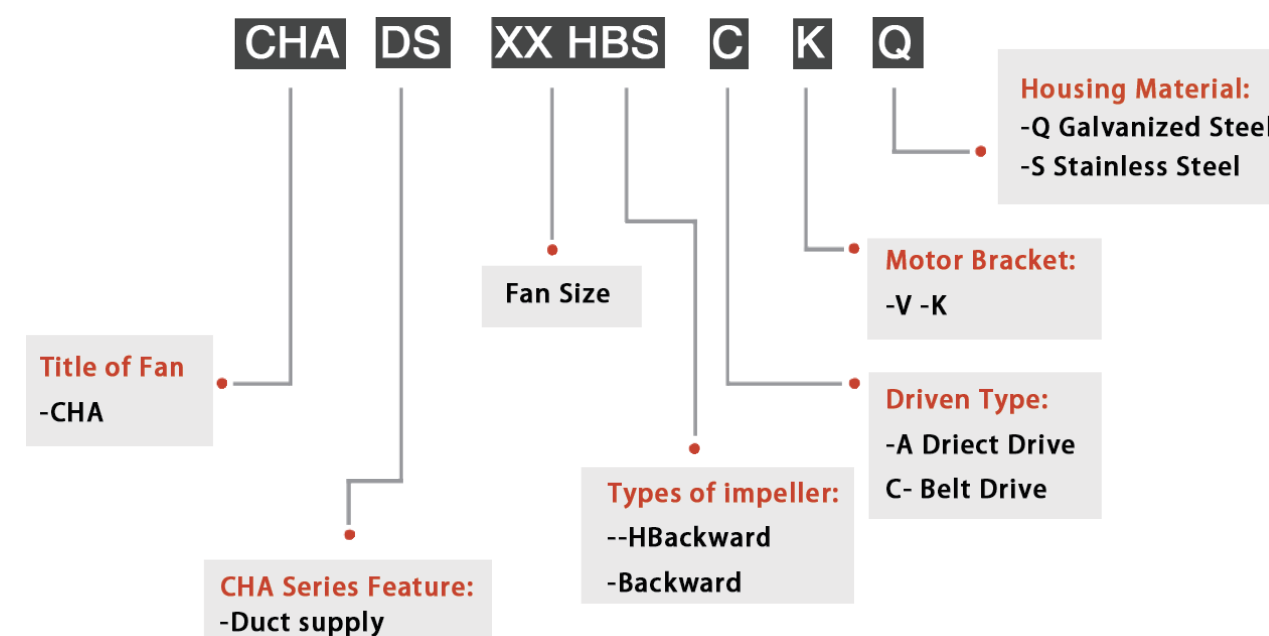
Typical application includes:

Every CHA Has Been Test For Three Different Planes Before Package.



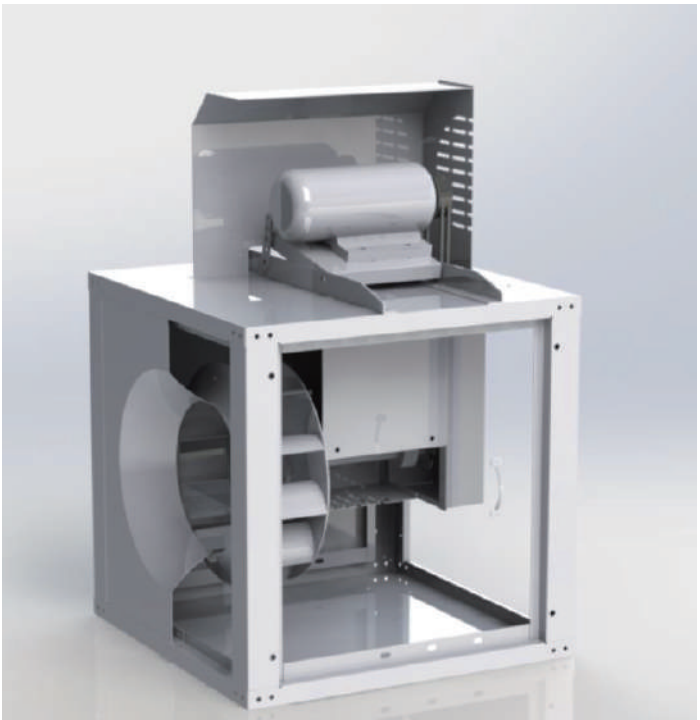
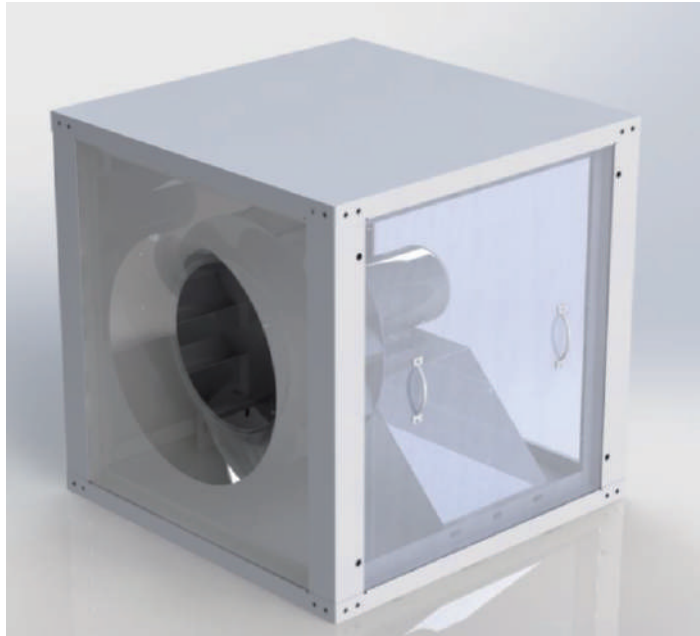
Engineers In Guangzhou AoZhong Fan Equipment Co.,LTD Can Assist You In Improving The Operational Efficiency Of The Air Movement In Your System.

Mixed Fan Model Number Code



CHA Structure

The product is made in carbon steel with aluminum alloy wheel, which is cutting, by laser to ensure high-precision mold line. Driven cavity cover adopt galvanized material, which can open with hands, and convenient to daily cleaning maintenance. Different ways of motor with different transmission need to select different motor bracket. The impeller adopts laser cutting technology and die stretch forming. A different work environment needs to adopt different impeller material. Carbon steel, stainless steel and aluminum alloy impeller are optional.. Impeller balance test grades are in strict accordance with the G4.0 ISO1940, and meet its requirements. In this series, CHA Square inline fan use aluminum alloy wheel.



Discharge position

The side discharge option helps to reduce system effect. It will increase performance and reduce installation labor. The most notable is reducing system effects. Note: The figure 1 example shows the air being discharged into the corner. It will take several duct lengths before the airflow becomes laminar or smooth again after making the turn. In figure 2, the fan is placed in the corner using a side discharge. In this configuration the air flow pattern at discharge is smooth and supports a more predictable system. Remember the duct length on the discharge side, should be approximately two to three wheel diameters to achieve catalog performance.

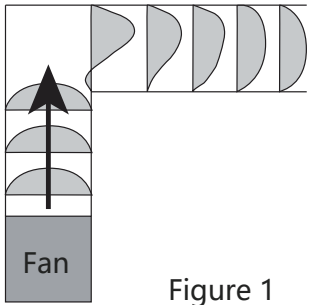


Figure 1

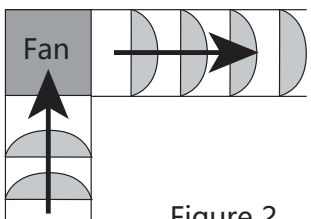


Figure 2

Discharge position

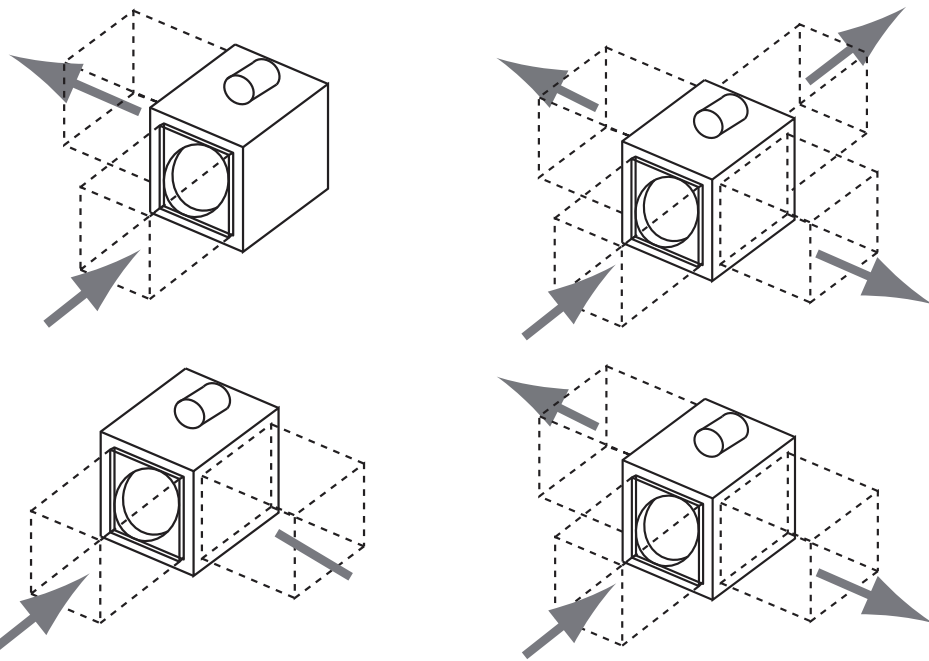
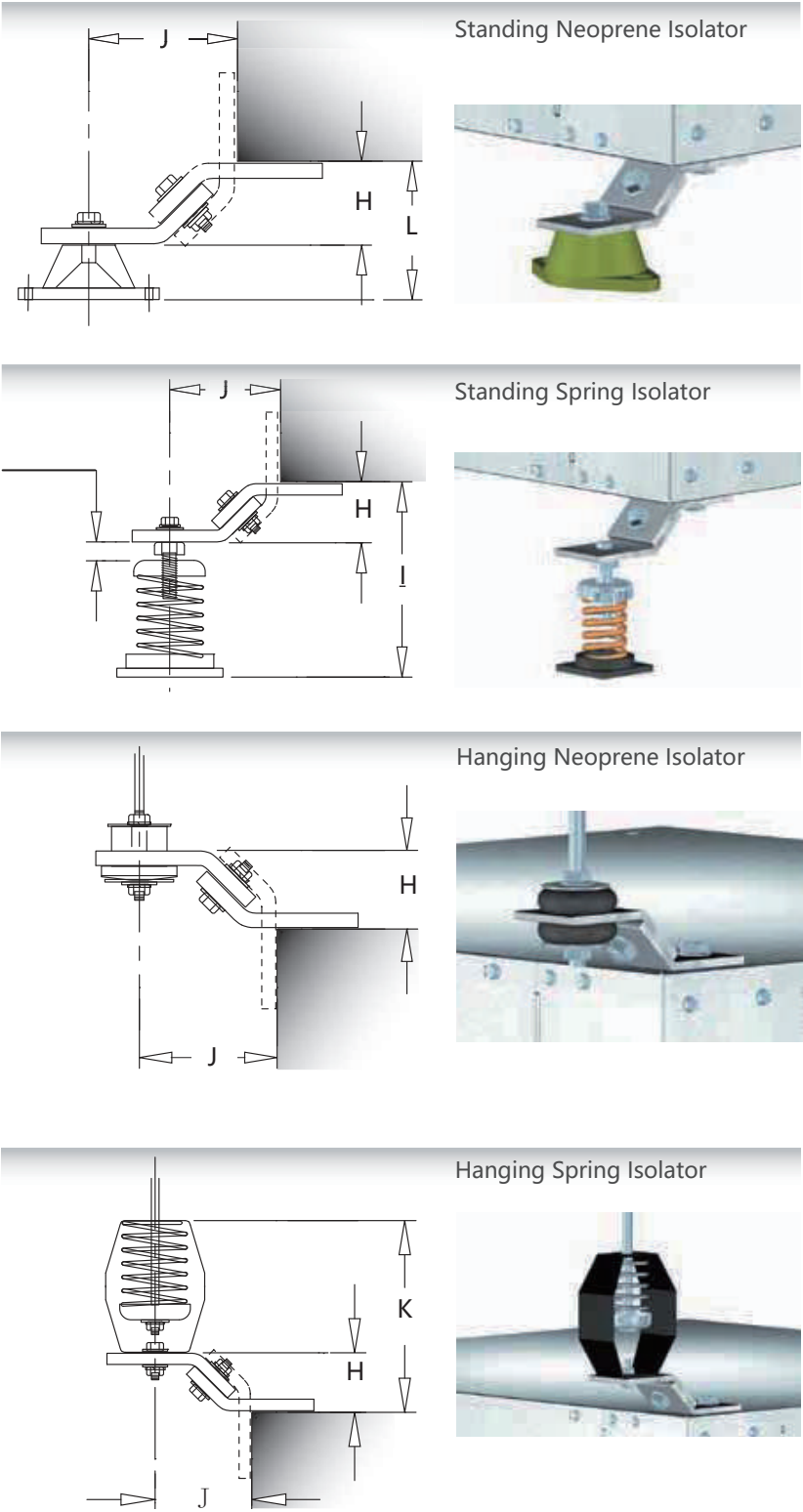


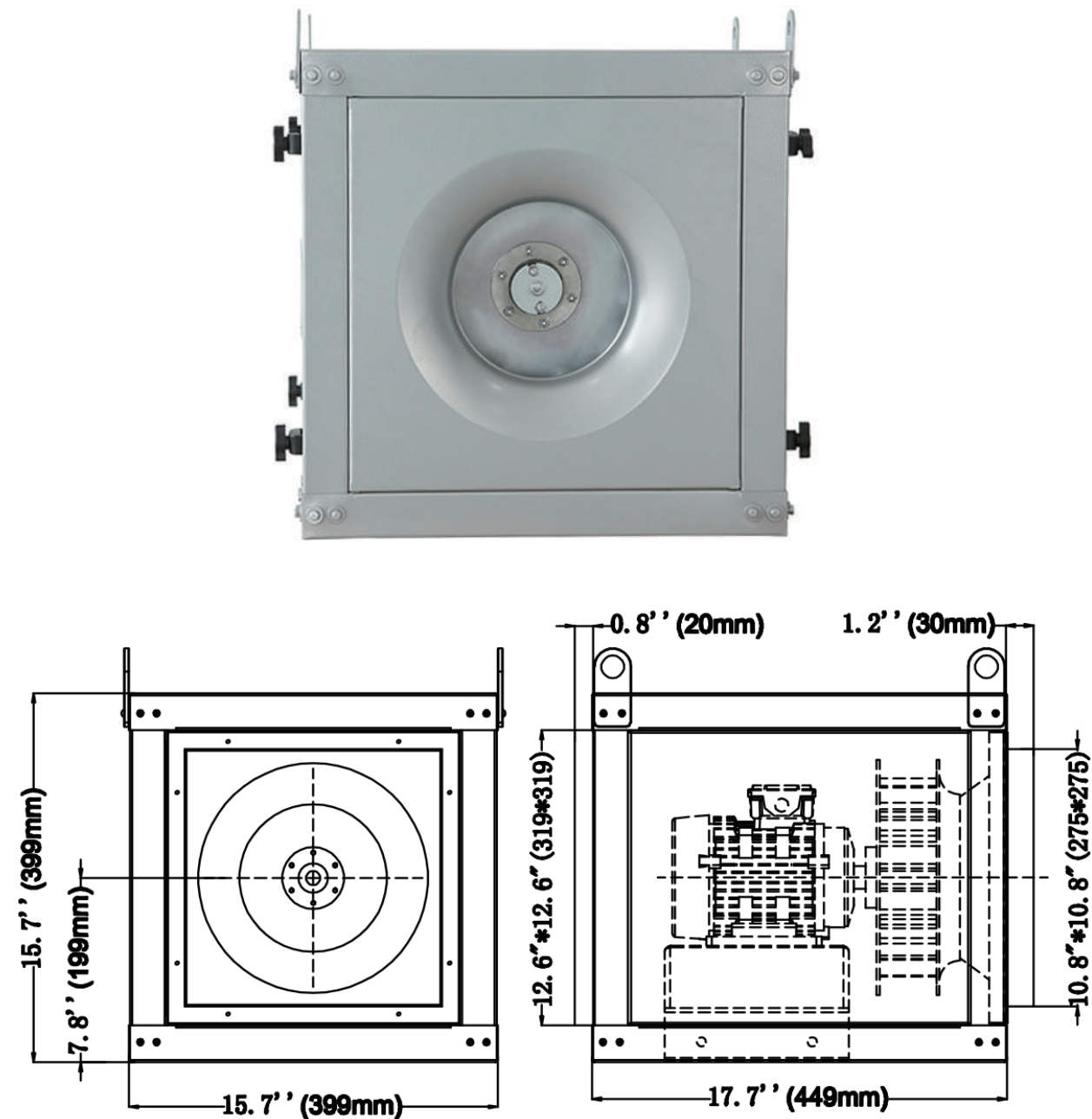
Figure 3

Base Mount or Hanging Isolators

Complete Isolation Kits Are Available With Either Neoprene Or Spring Isolators And Are Sized To Match The Weight Of The Specified Fan Size. The Base Isolator Support Brackets Are Designed To Permit Mounting Of The Fan With The Motor Located On Top Or Either Side. The Hanging Isolator Support Brackets Are Designed To Permit Mounting Of The Fan With The Motor Located On Top, Bottom Or Side. Note: Hanging Rods To Be Supplied By Others

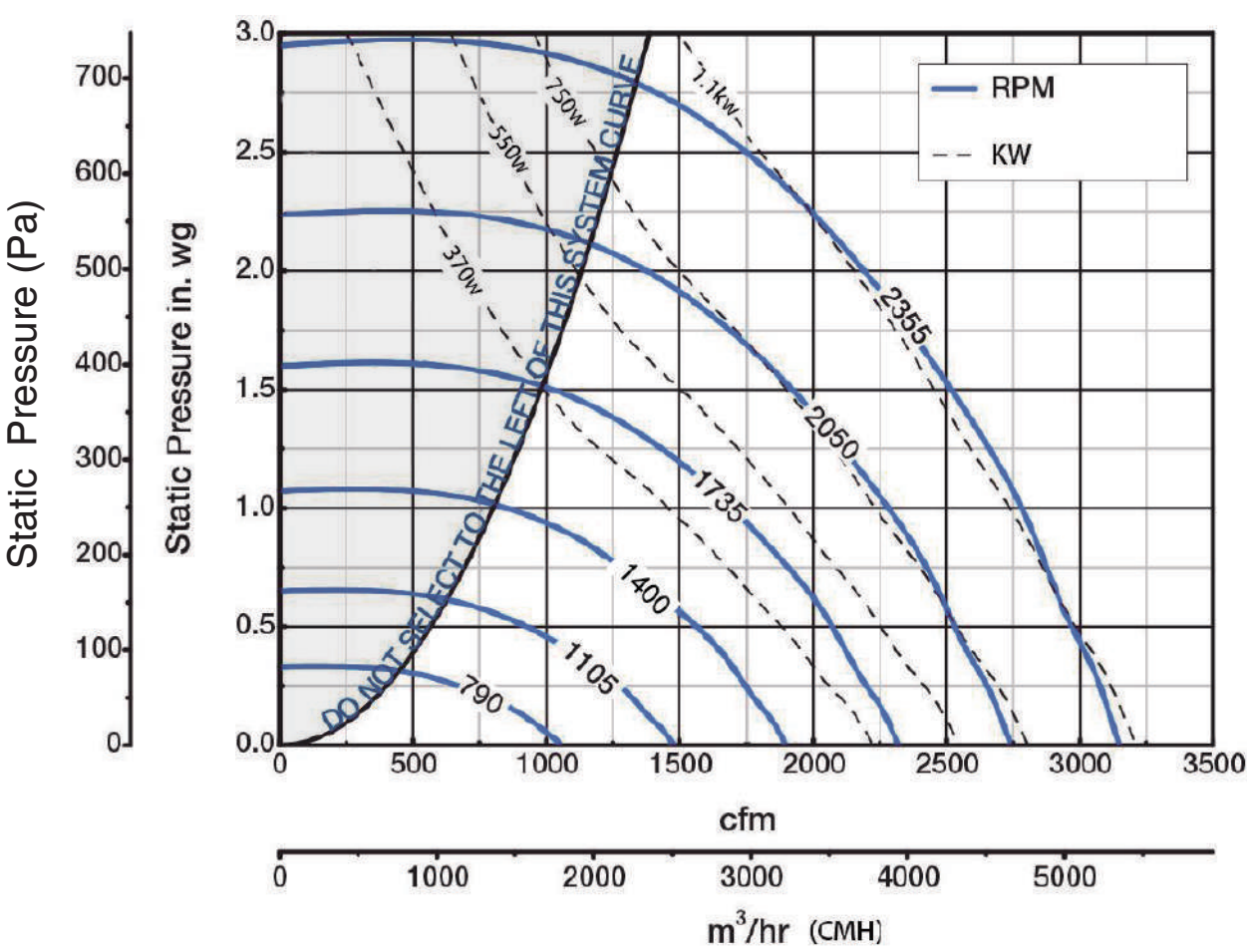
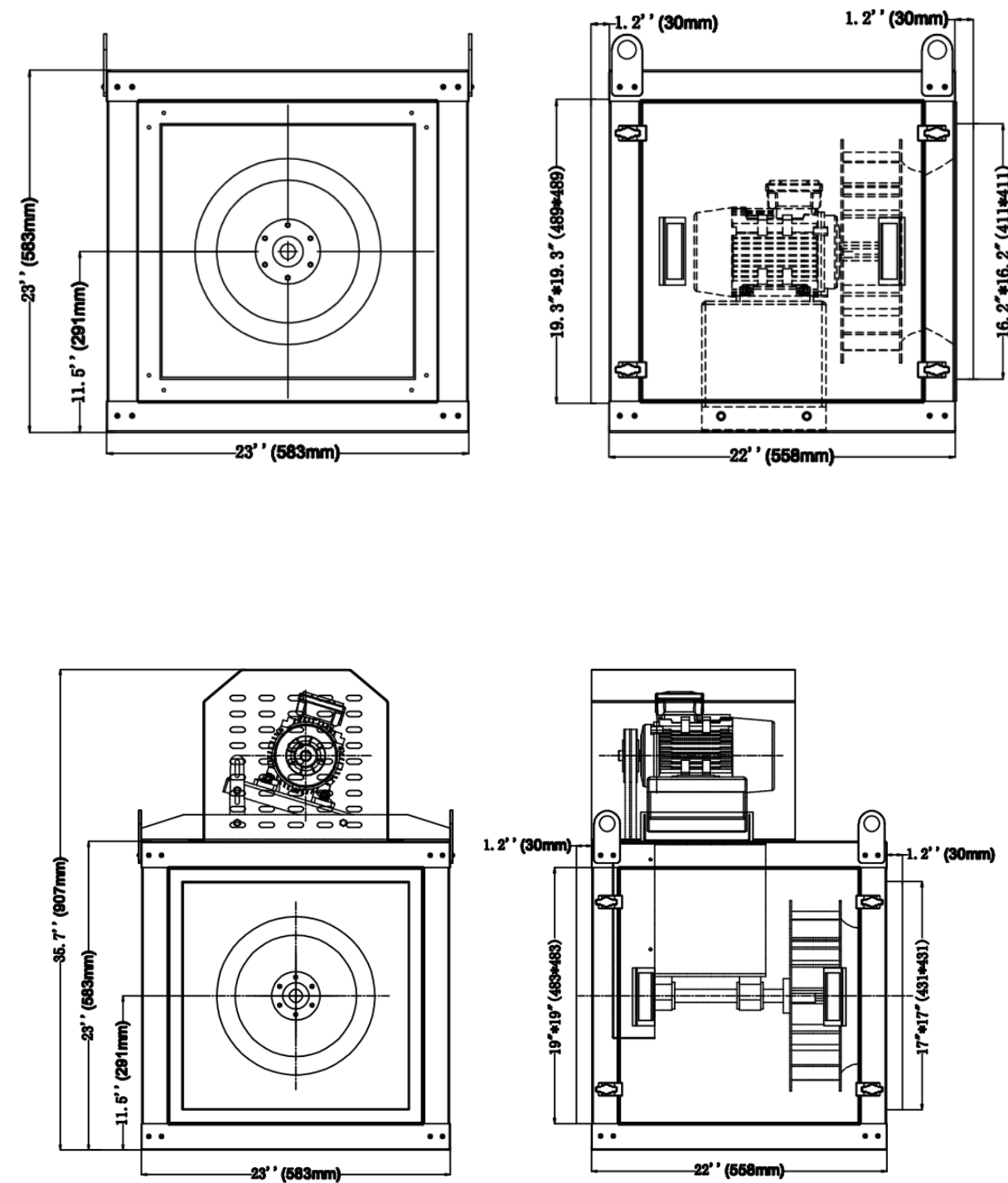


CHA05



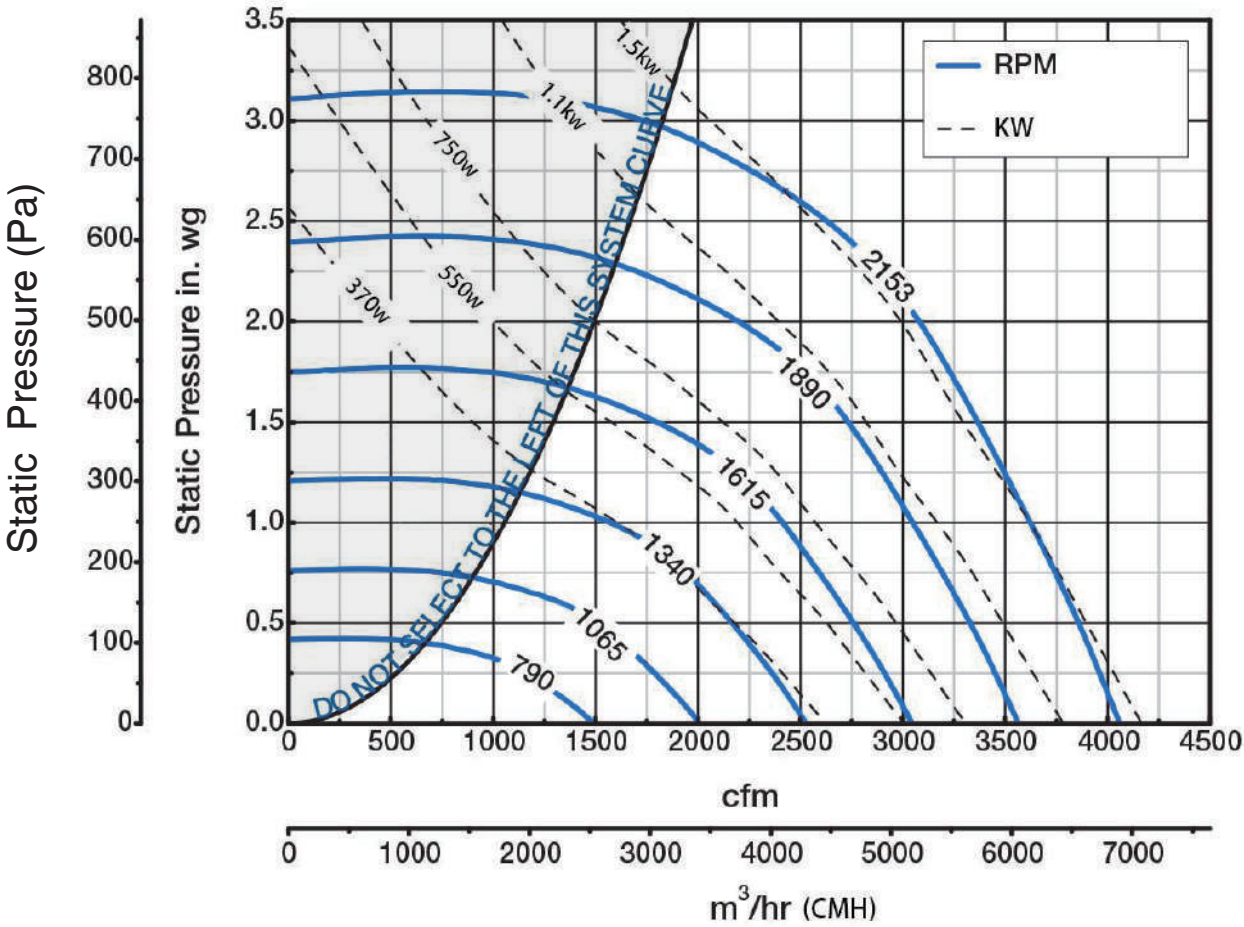
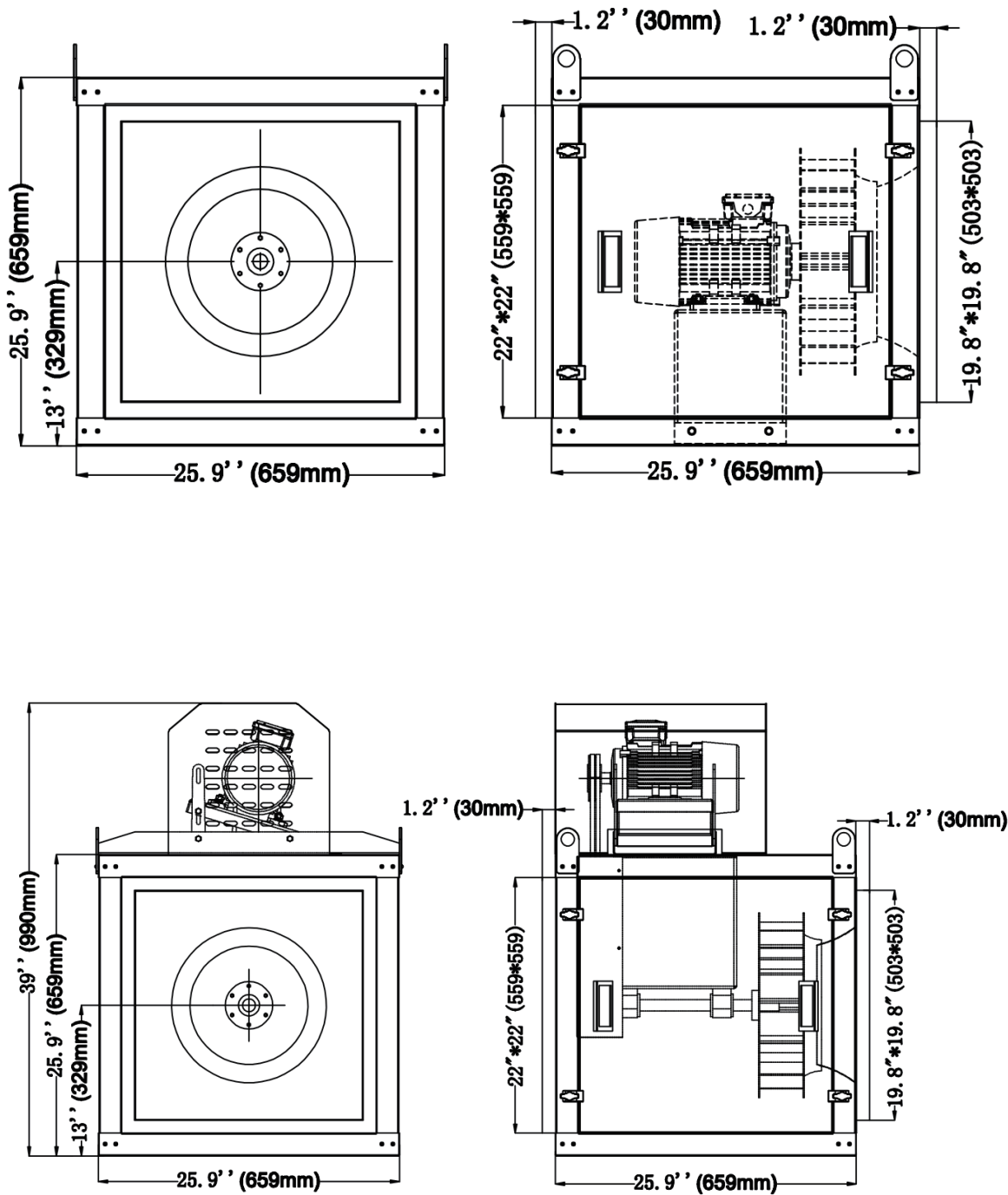
Model	Power	AC motor 1Ø	Fan Speed	Impeller Dia
CHA05	0.25HP	220V-230V/60Hz	1720rpm	11inch

CHA08



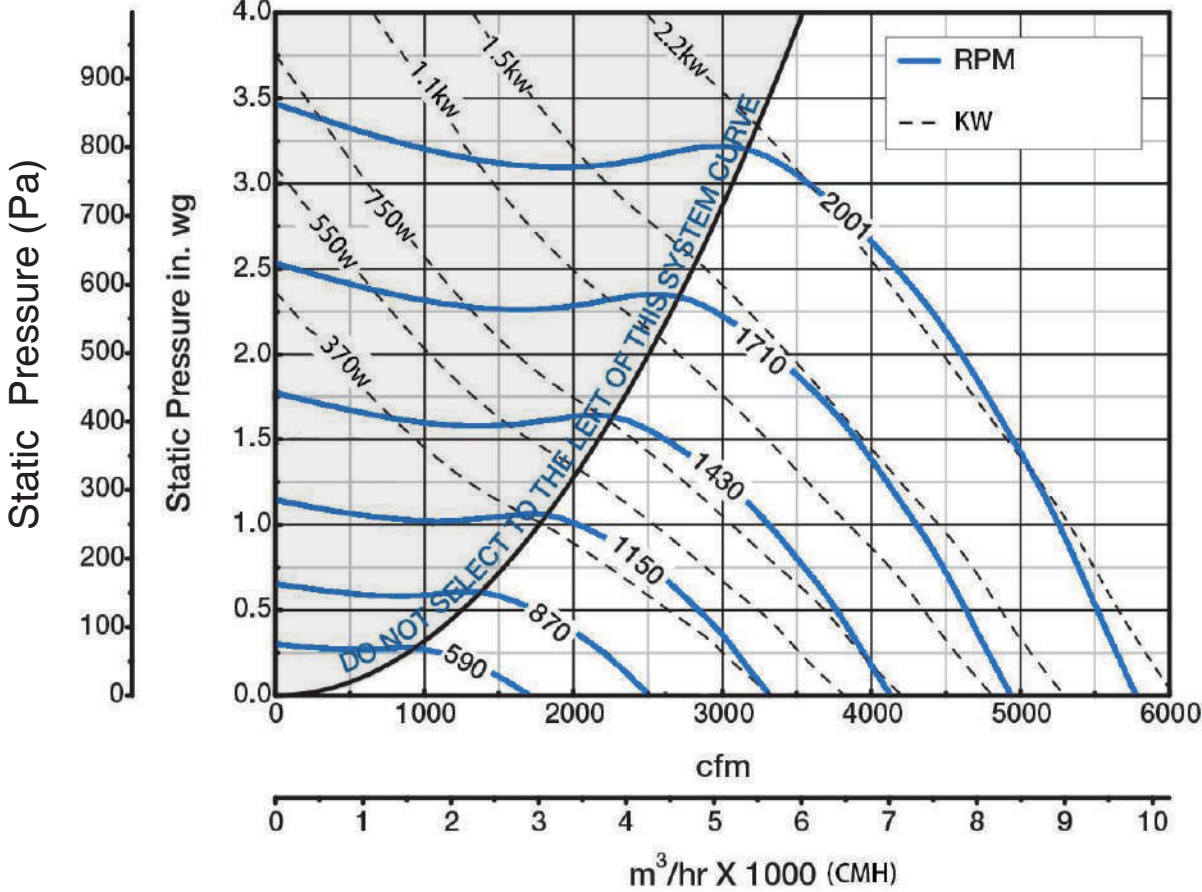
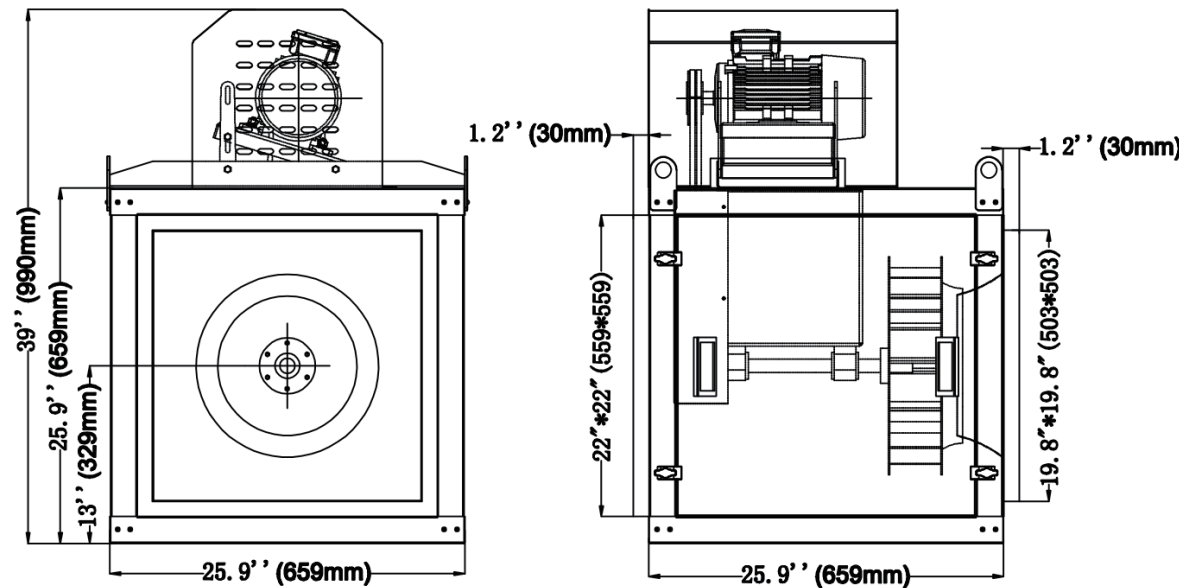
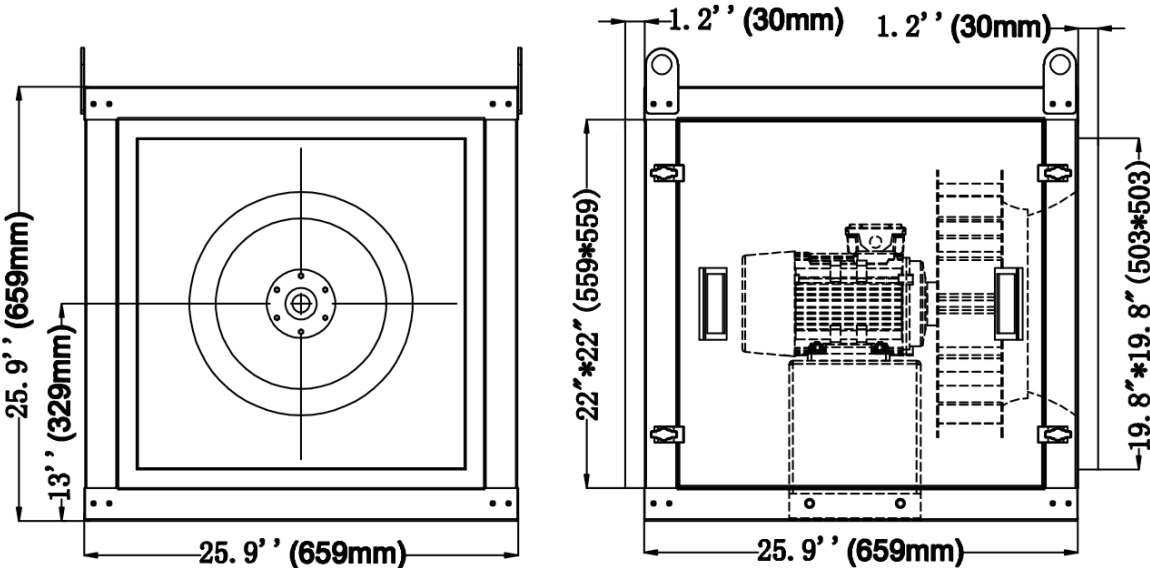
Model	Power	AC motor 1Ø	AC motor 3Ø	Fan Speed	Impeller Dia
CHA08	0.5HP	220V/60Hz	220V/60Hz	1720rpm	12.5inch
	0.5HP		380V/60Hz		

CHA10



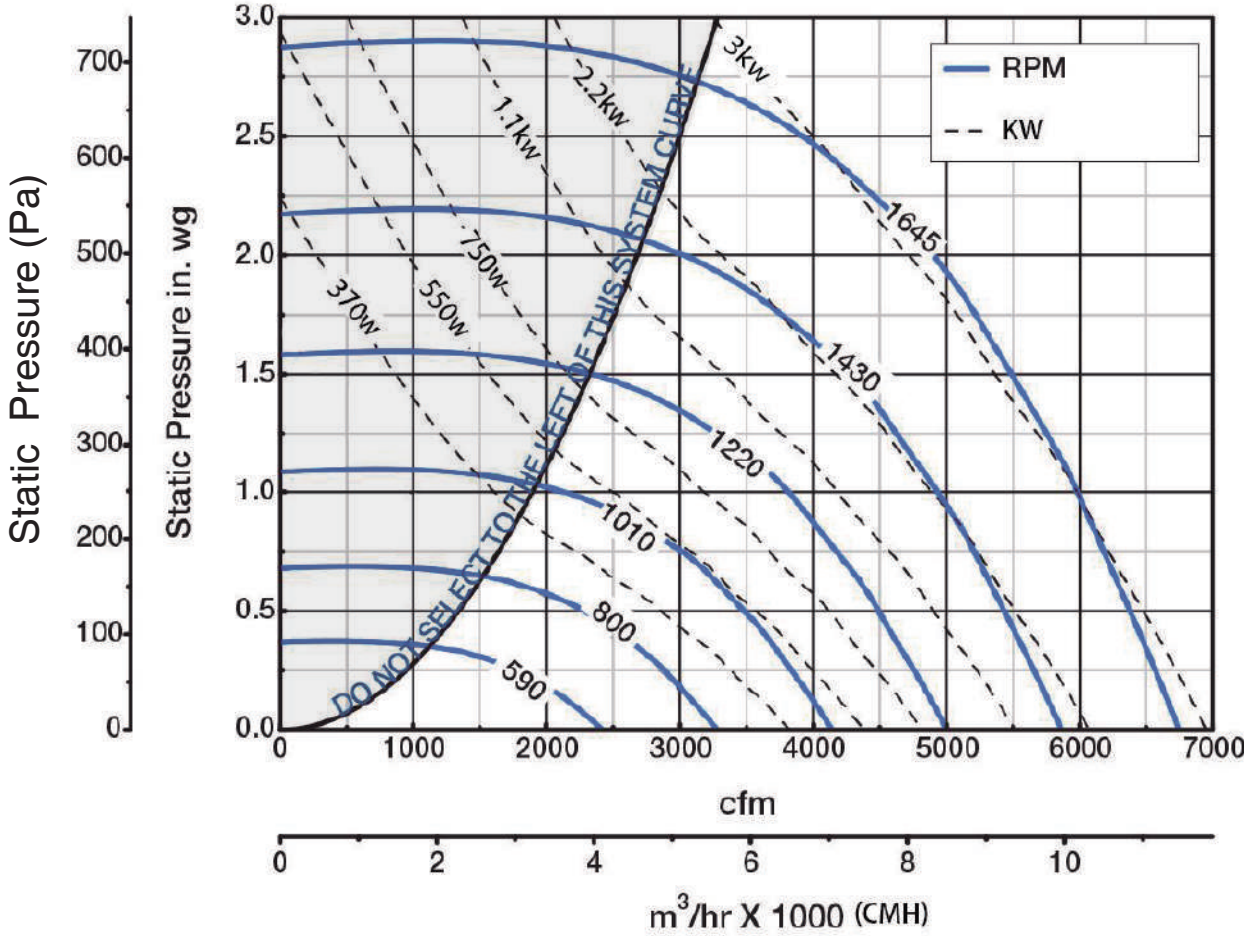
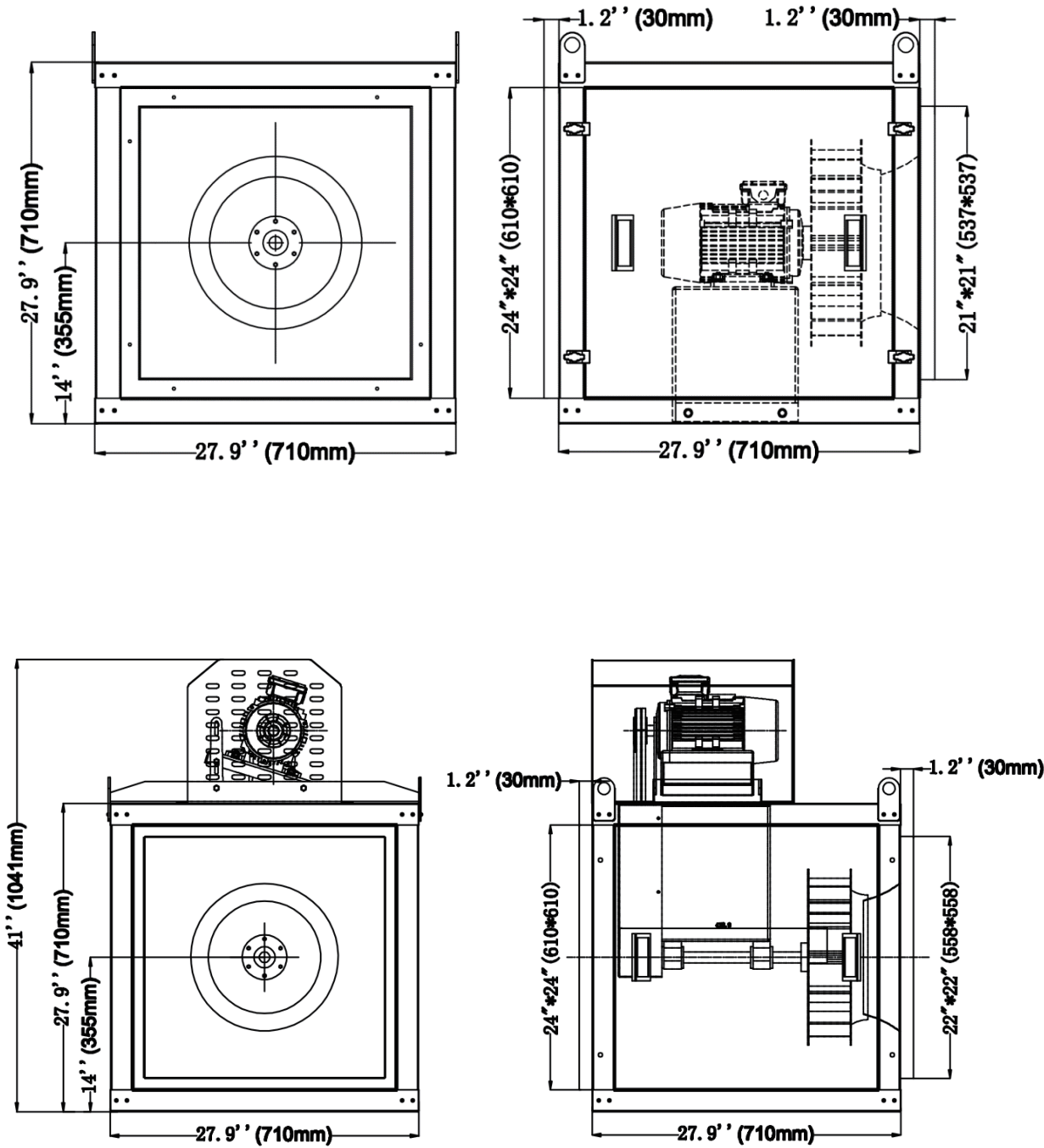
Model	Power	AC motor 1Ø	AC motor 3Ø	Fan Speed	Impeller Dia
CHA10	0.75HP	220V/60Hz	220V/60Hz	1400RPM (Belt Drive)	14inch
	0.75HP		380V/60Hz		
	1HP	220V/60Hz	220V/60Hz	1720RPM (Direct Drive)	
	1HP		380V/60Hz		

CHA14



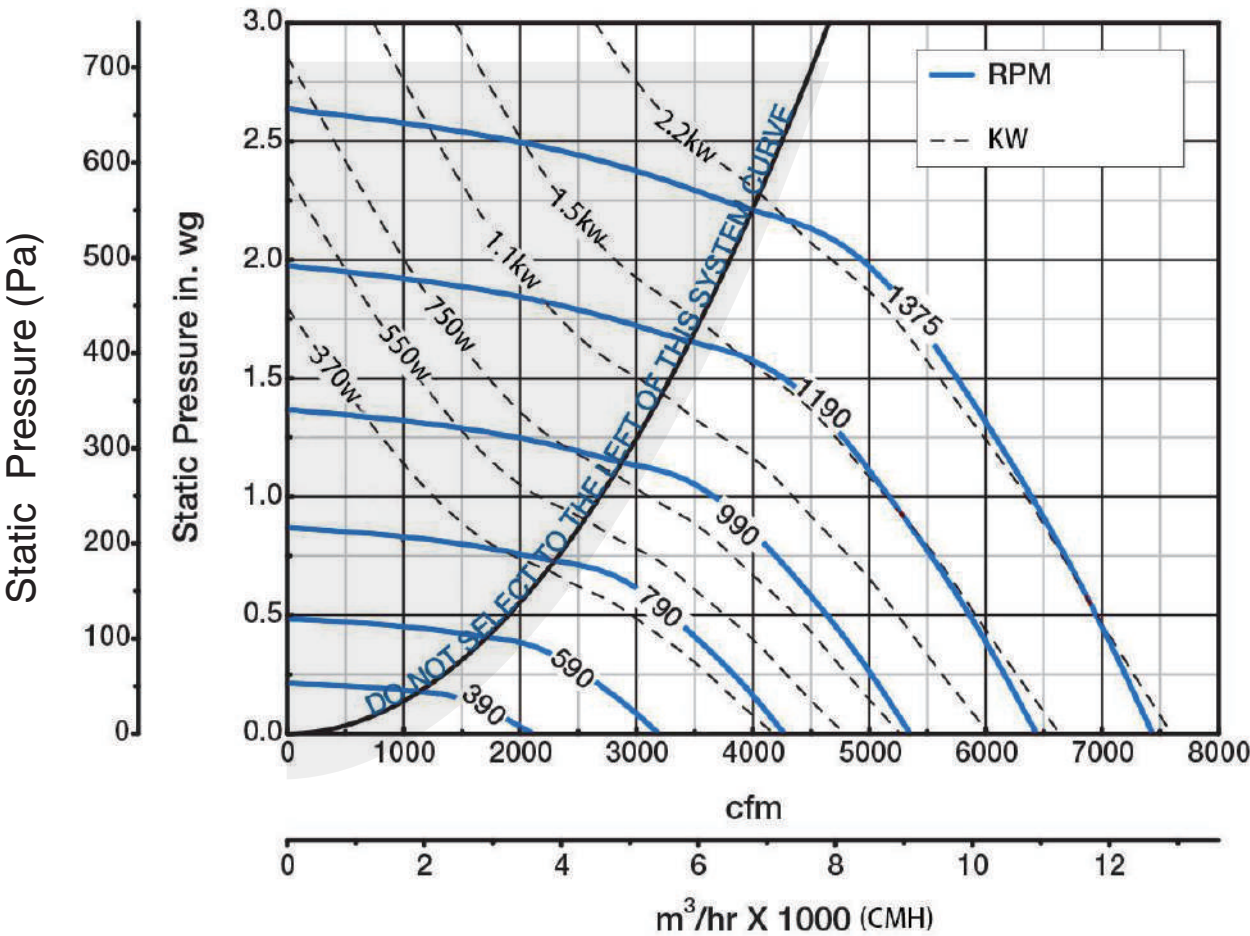
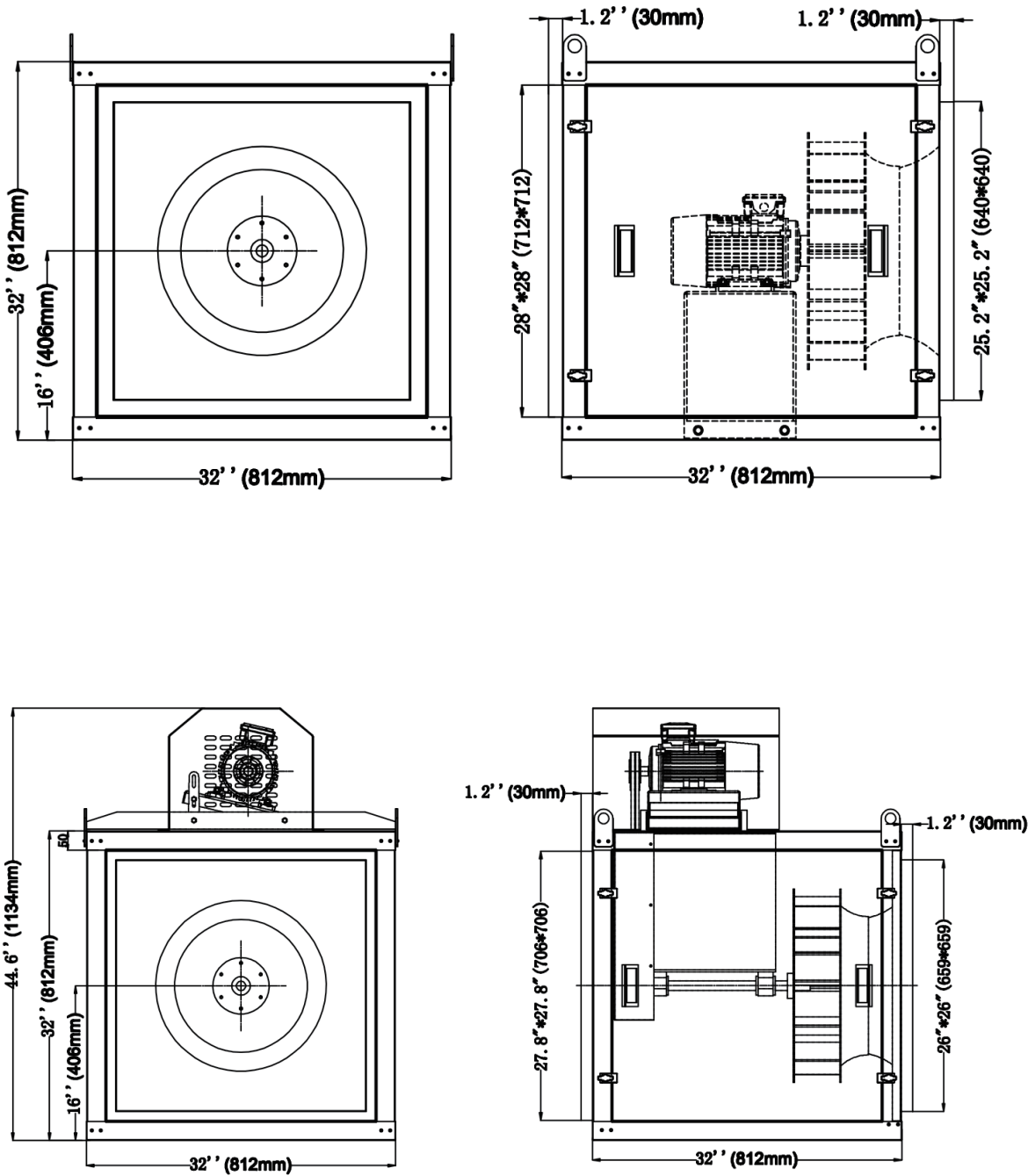
Model	Power	AC motor 1Ø	AC motor 3Ø	Fan Speed	Impeller Dia
CHA14	1.0HP	220V/60Hz	220V/60Hz	1400RPM (Belt Drive)	16inch
	1.0HP		380V/60Hz		
	1.5HP	220V/60Hz	220V/60Hz	1720RPM (Direct Drive)	
	1.5HP		380V/60Hz		

CHA16



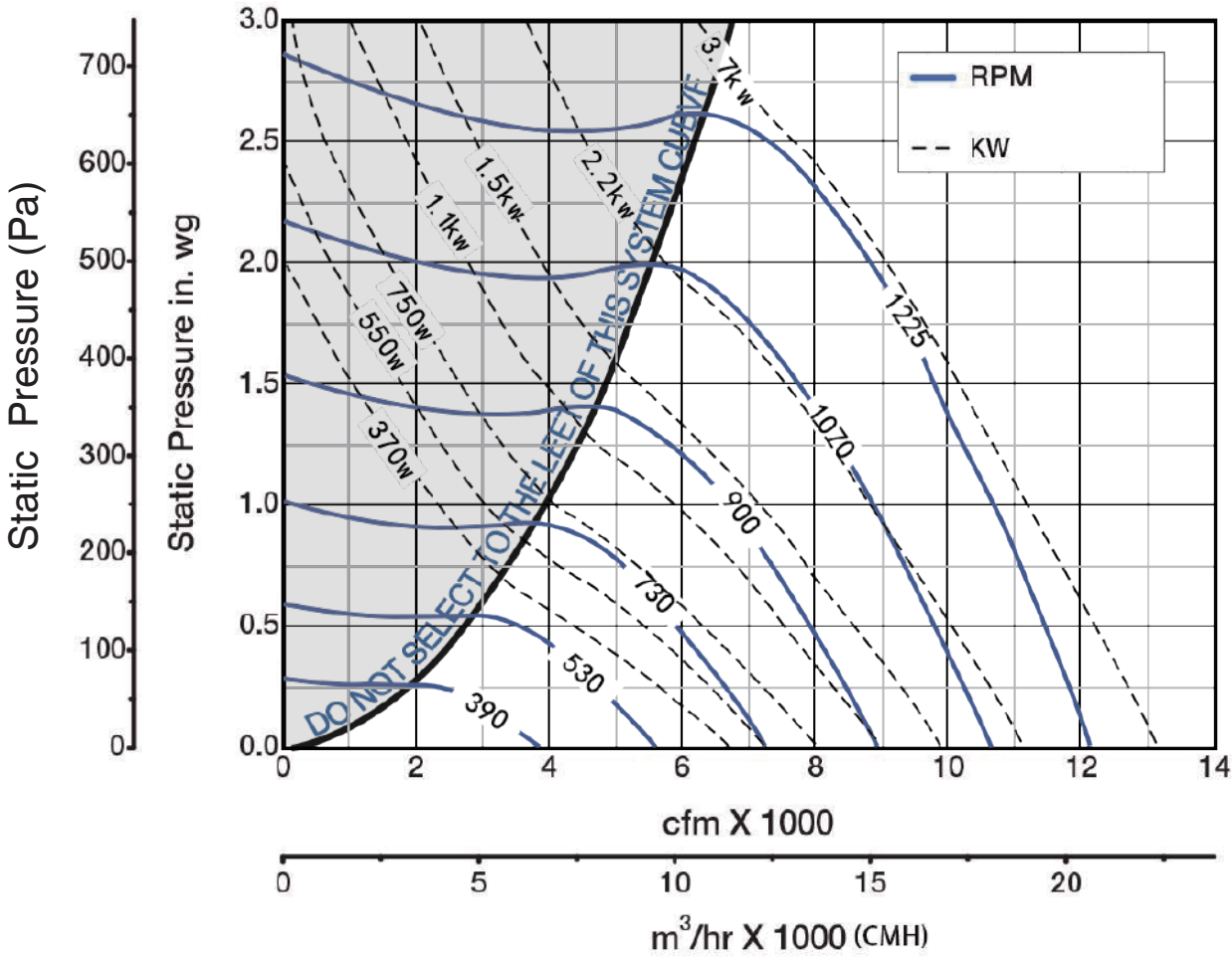
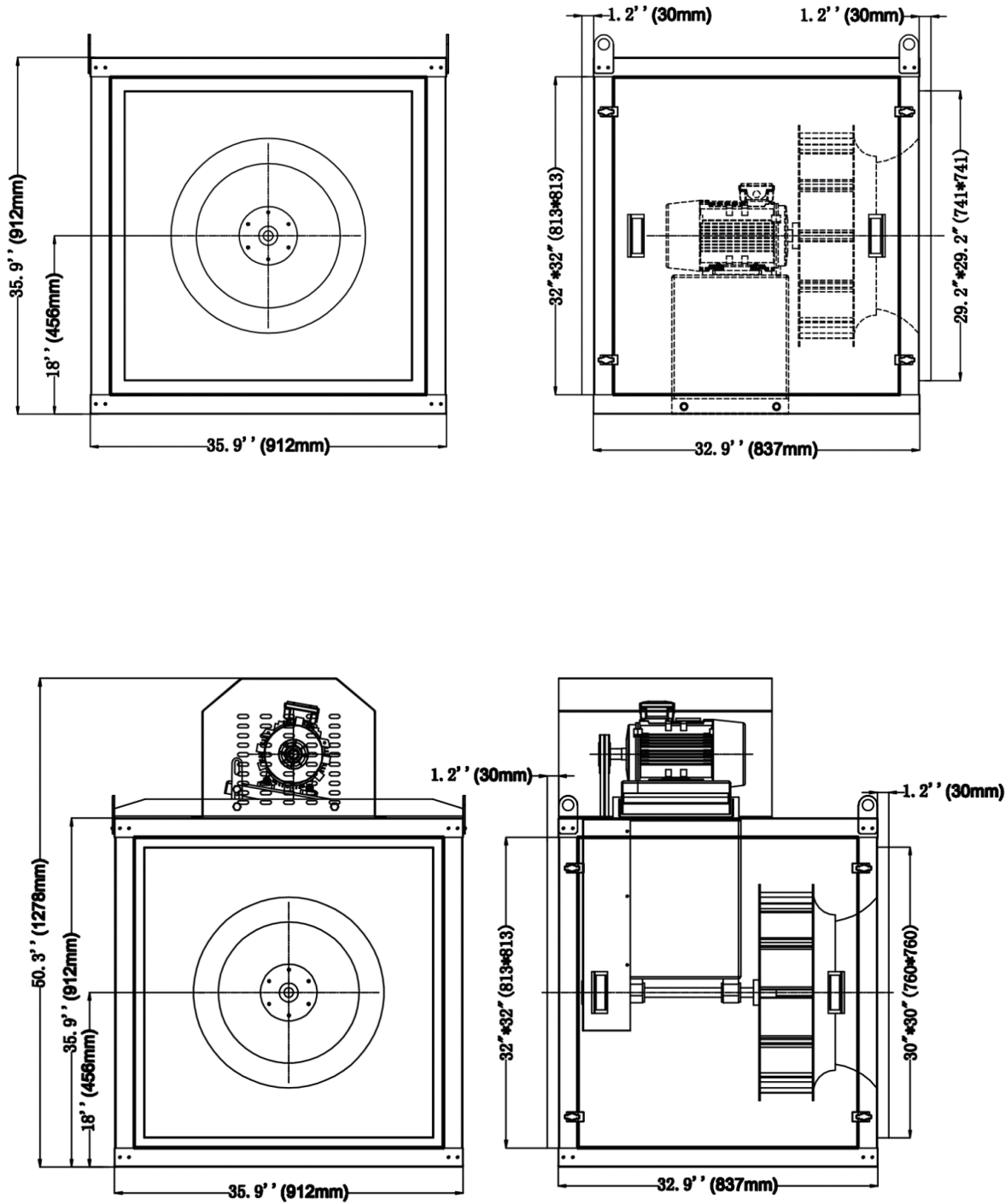
Model	Power	AC motor 1Ø	AC motor 3Ø	Fan Speed	Impeller Dia
CHA16	1.5HP	220V/60Hz	220V/60Hz	1300RPM (Belt Drive)	18inch
	1.5HP		380V/60Hz		
	2.0HP	220V/60Hz	220V/60Hz	1720RPM (optional)	
	2.0HP		380V/60Hz		

CHA18



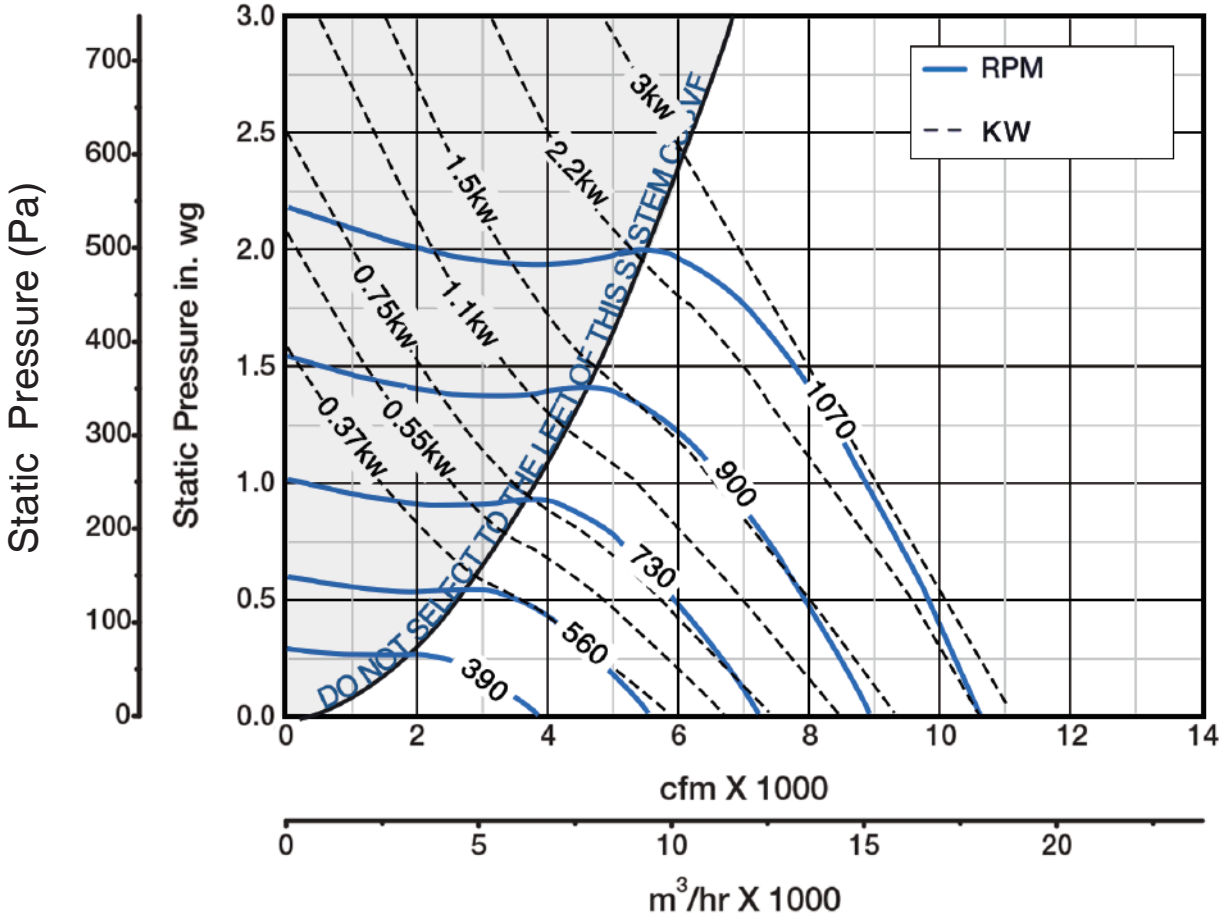
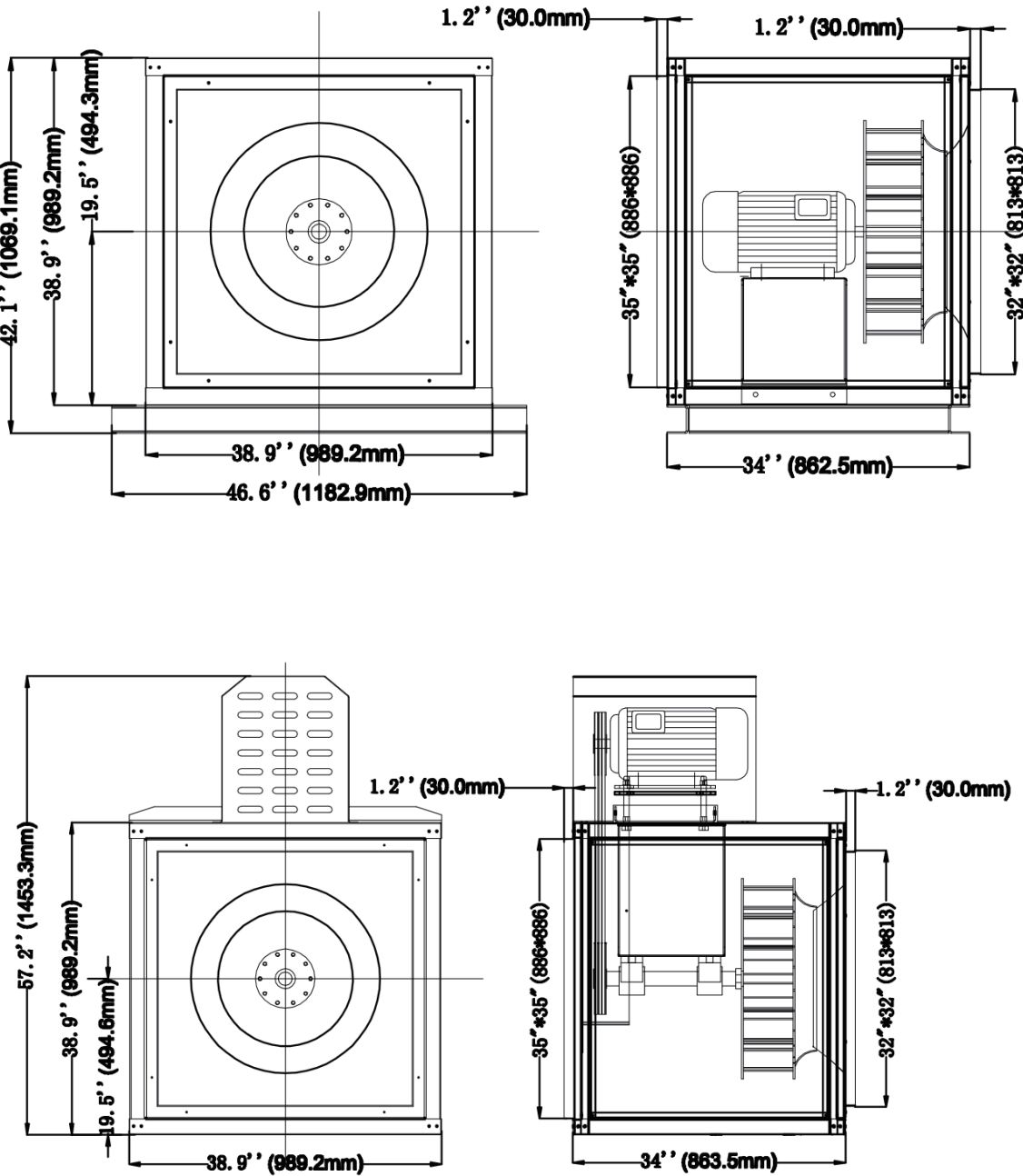
Model	Power	AC motor 1Ø	AC motor 3Ø	Fan Speed	Impeller Dia
CHA18	1.5HP	220V/60Hz	220V/60Hz	1000RPM (Belt Drive)	20inch
	1.5HP		380V/60Hz		
	2.0HP	220V/60Hz	220V/60Hz	1130RPM (Direct Drive)	
	2.0HP		380V/60Hz		
	2.0HP	220V/60Hz	220V/60Hz	1300RPM (Direct Drive)	
	2.0HP		380V/60Hz		

CHA20



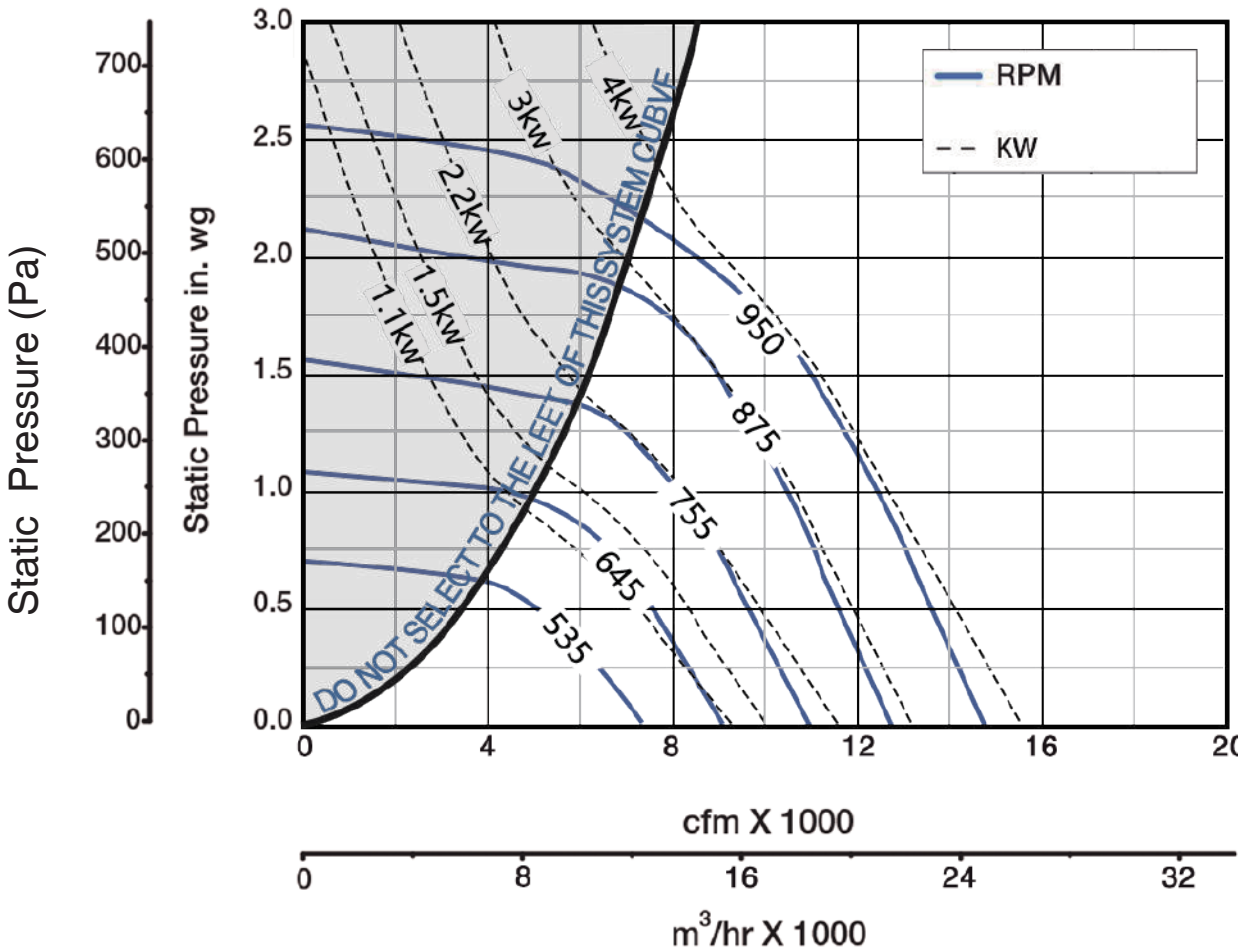
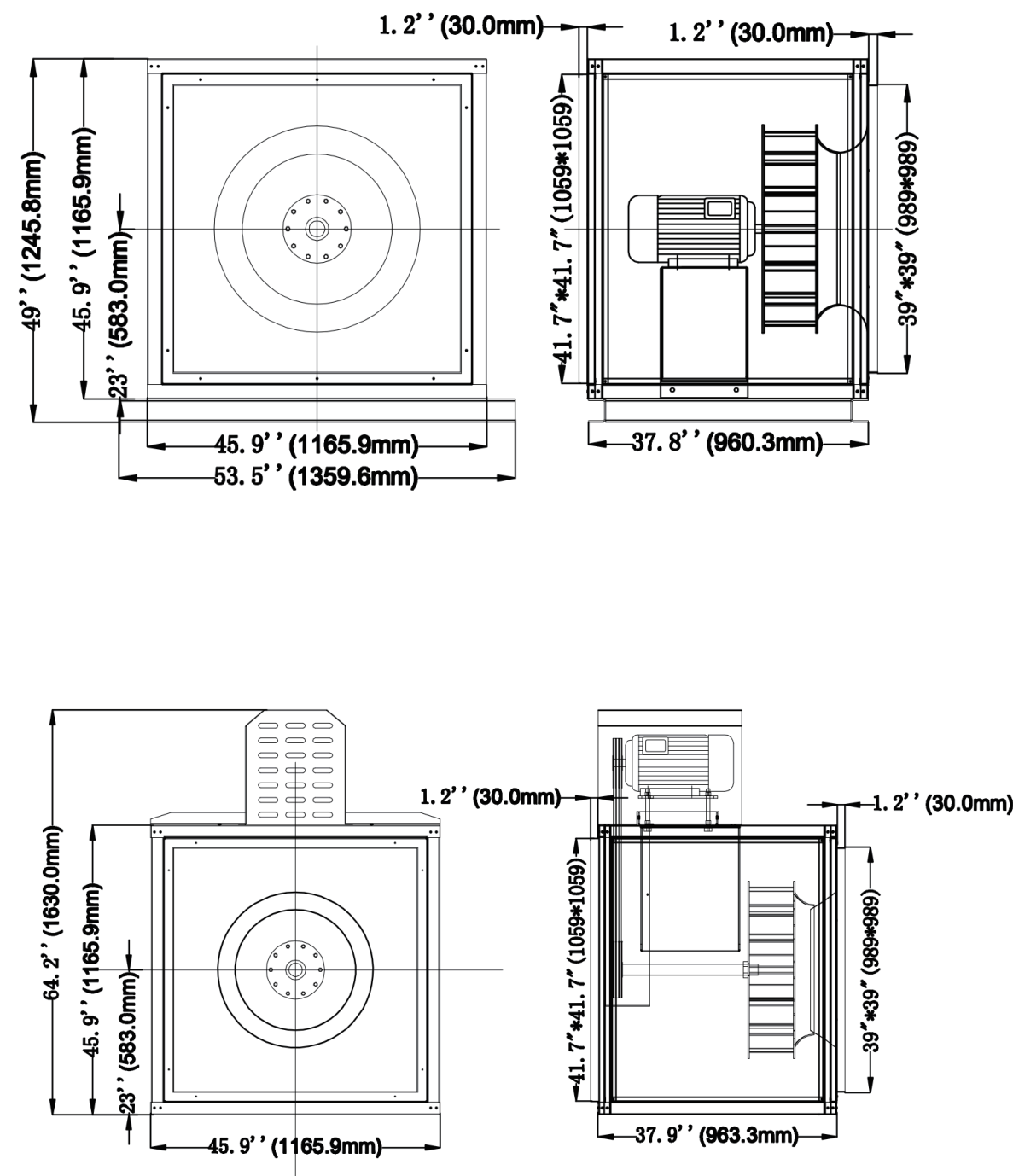
Model	Power	AC motor 1Ø or 3Ø	AC motor 3Ø	Fan Speed	Impeller Dia
CHA20	2.0HP	220V/60Hz	220V/60Hz	1130RPM (Direct Drive)	22inch
	2.0HP		380V/60Hz		
	3HP	None	220V/60Hz	1250RPM (Belt Drive)	
	3HP		380V/60Hz		

CHA24



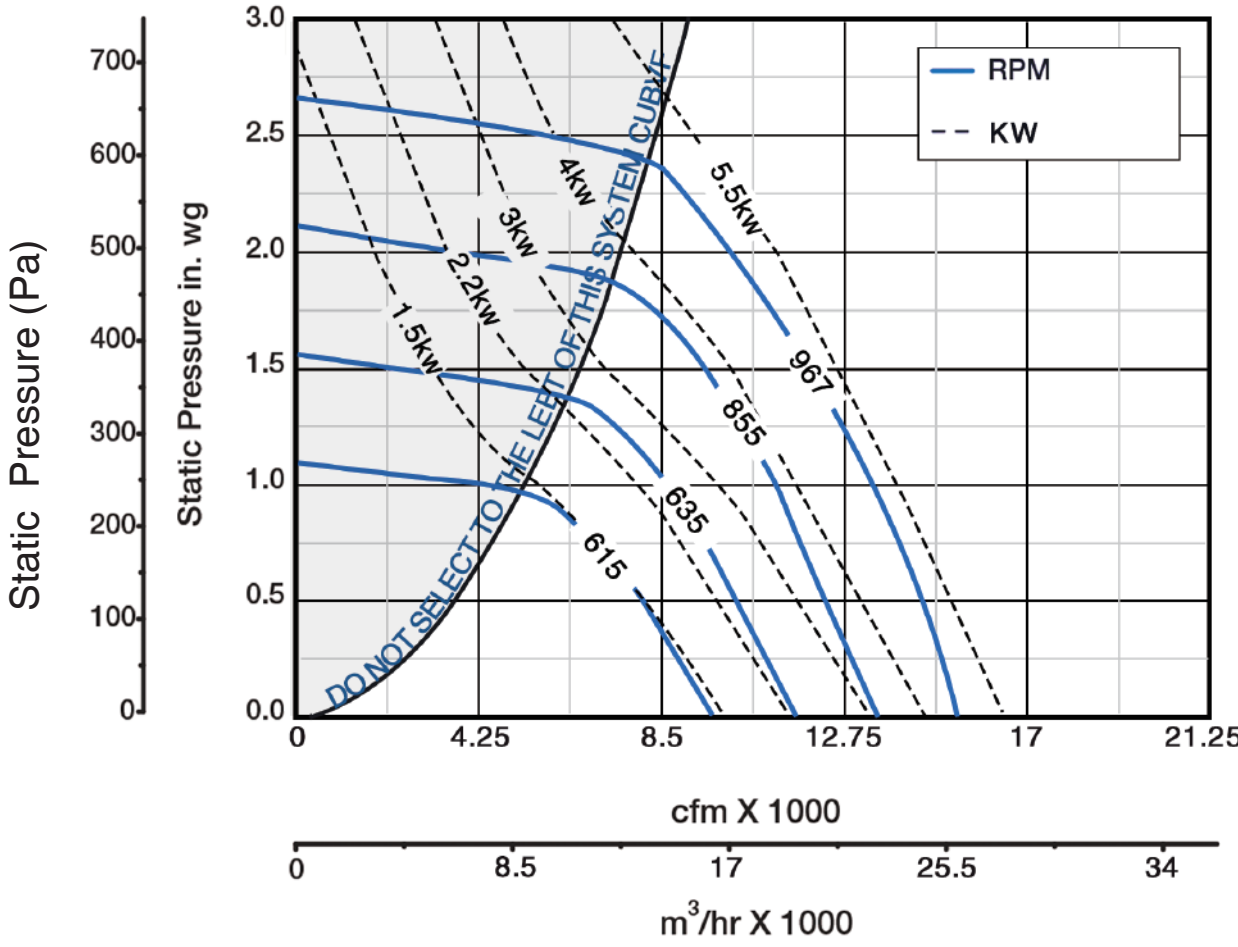
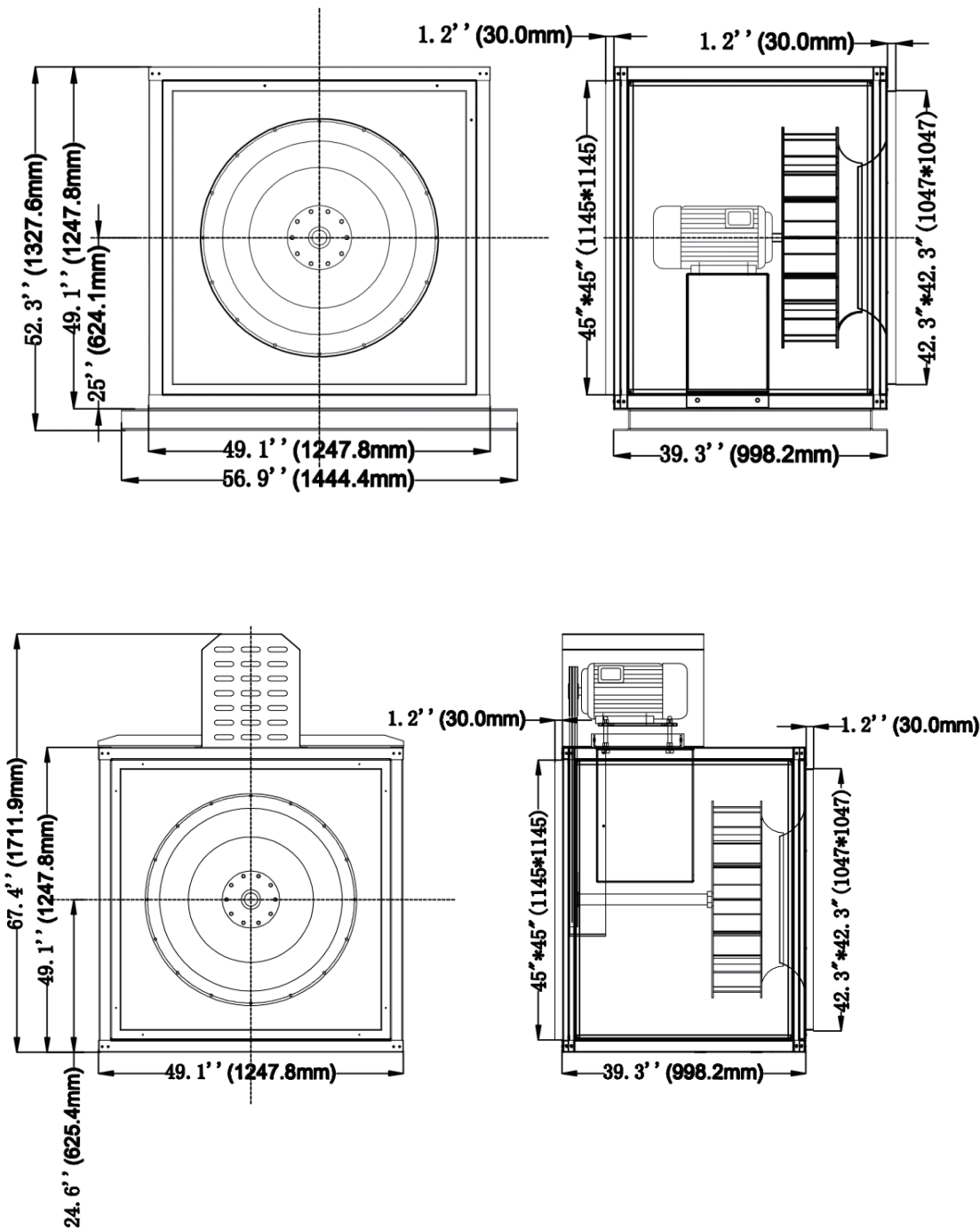
Model	Power	AC motor 1Ø	AC motor 3Ø	Fan Speed	Impeller Dia
CHA24	2.0HP	220V/60Hz	220V/60Hz	900RPM (Belt Drive)	25inch
	2.0HP		380V/60Hz		
	4HP	None	220V/60Hz	1120RPM (Direct Drive)	
	4HP		380V/60Hz		

CHA28



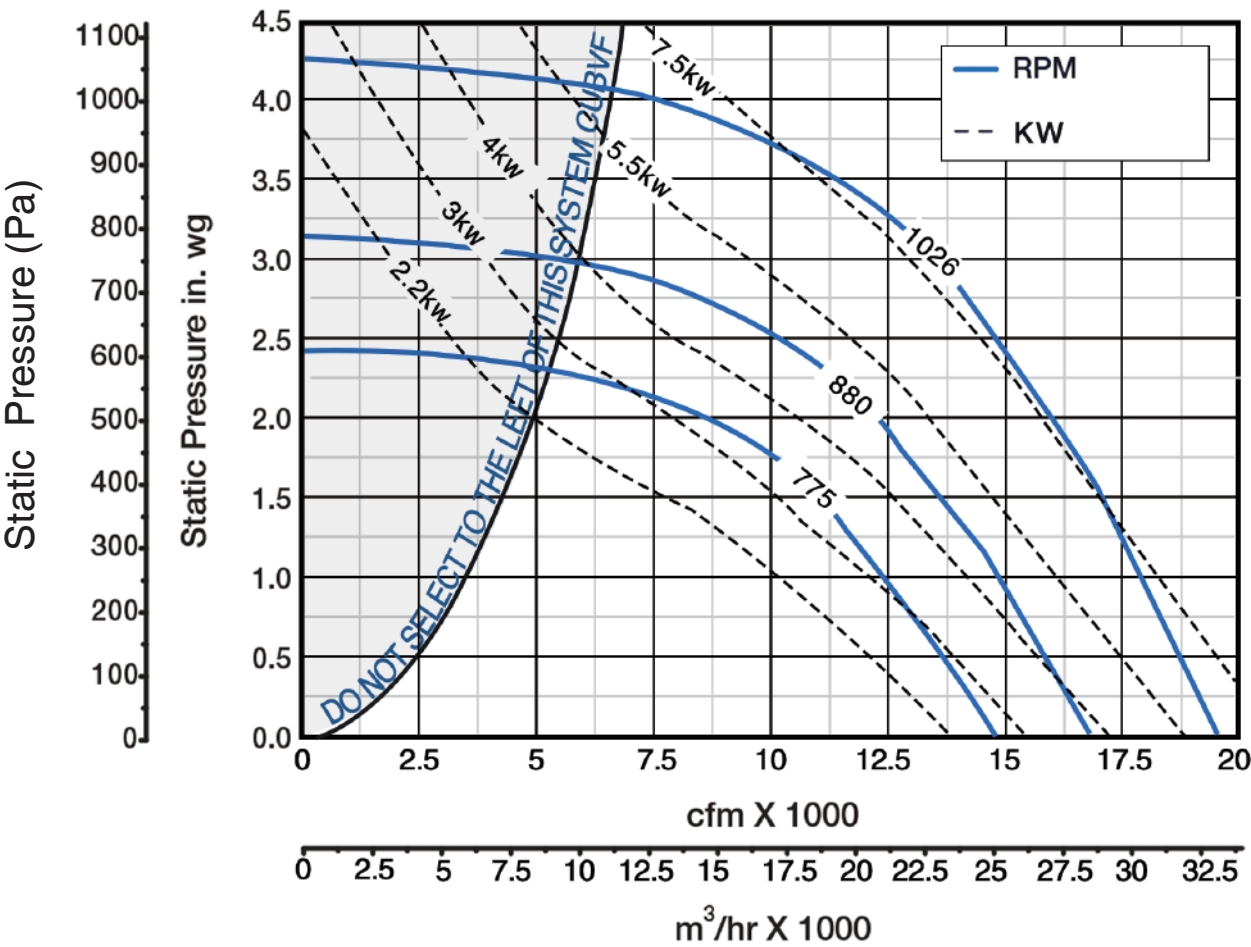
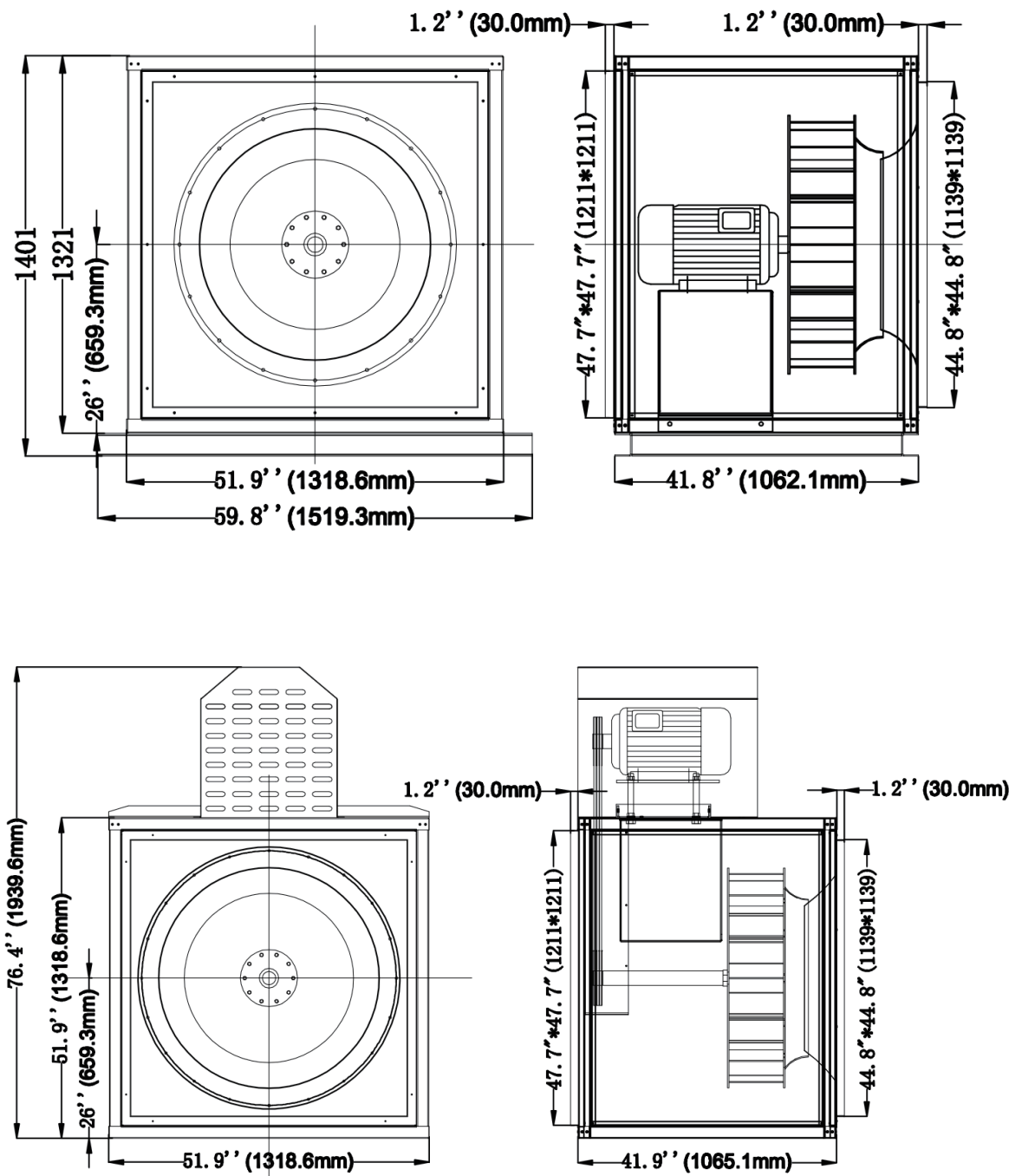
Model	Power	AC motor 1Ø	AC motor 3Ø	Fan Speed	Impeller Dia
CHA28	3HP	None	220V/60Hz	750RPM (Belt Drive)	28inch
	3HP		380V/60Hz		
	5.5HP	None	220V/60Hz	1000RPM (Belt Drive)	
	5.5HP		380V/60Hz		
	7.5HP	None	220V/60Hz	1120RPM (Direct Drive)	
	7.5HP		380V/60Hz		

CHA32



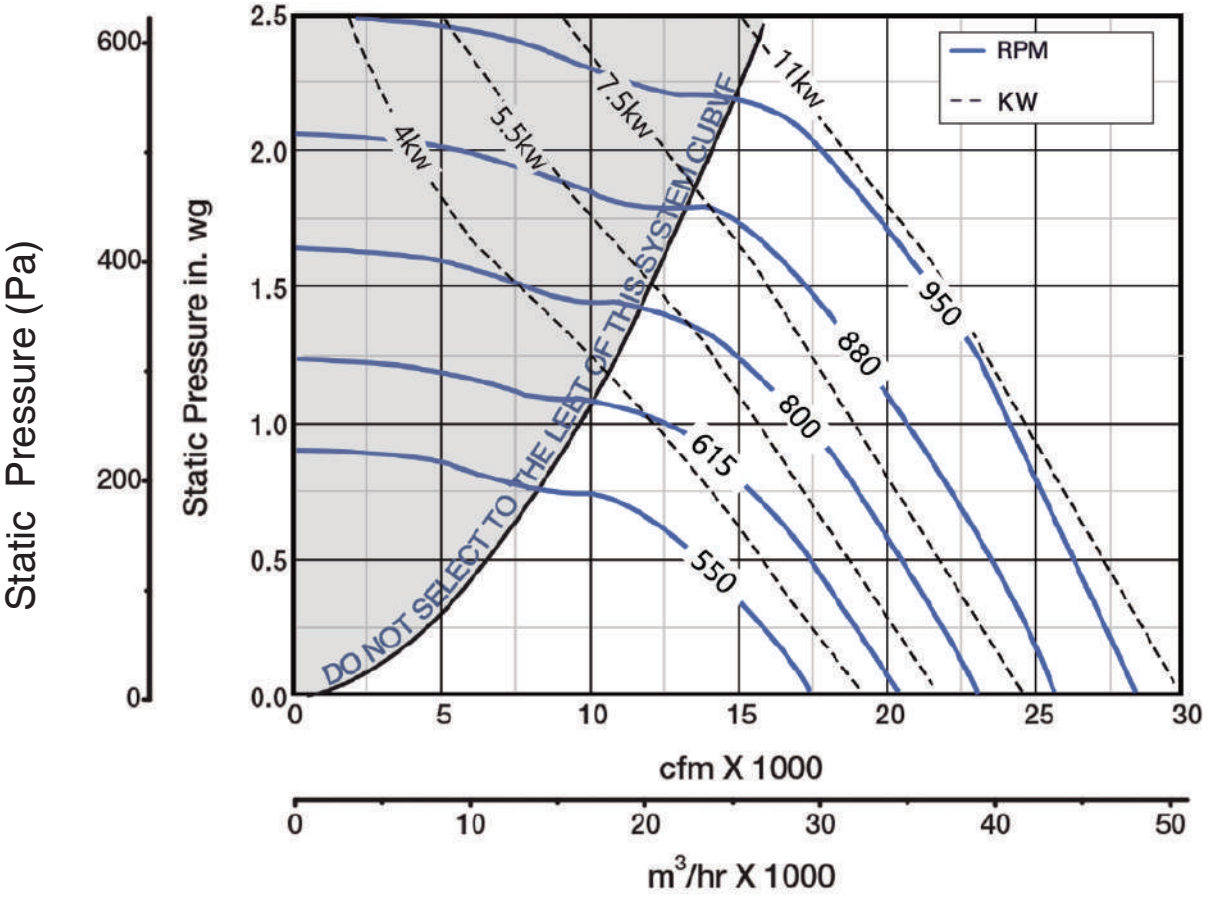
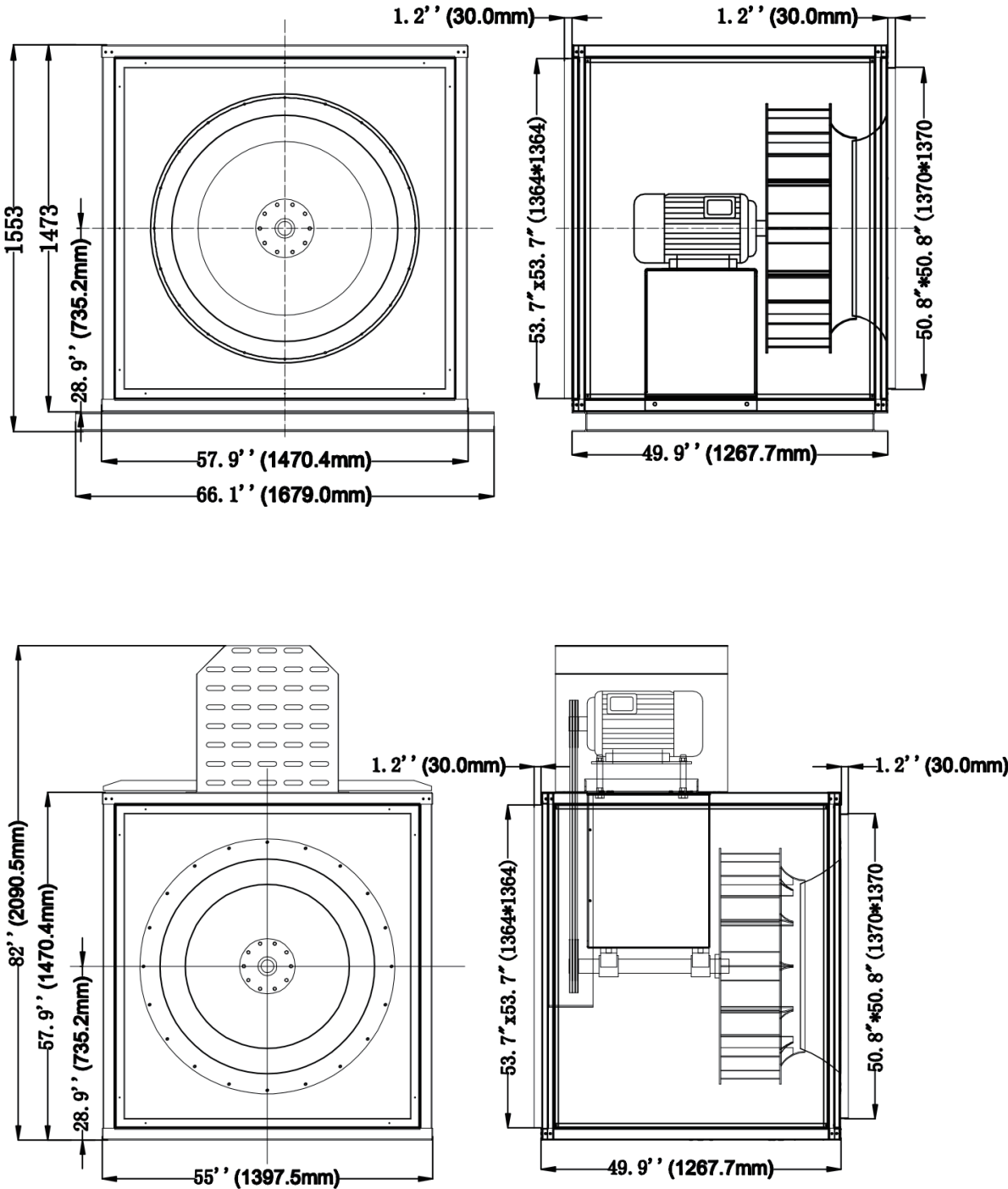
Model	Power	AC motor 1Ø	AC motor 3Ø	Fan Speed	Impeller Dia
CHA32	5.5HP	None	220V/60Hz	750RPM (Belt Drive)	32inch
	5.5HP		380V/60Hz		
	7.5HP	None	220V/60Hz	1000RPM (Belt Drive)	
	7.5HP		380V/60Hz		
	10HP	None	220V/60Hz	1120RPM (Direct Drive)	
	10HP		380V/60Hz		

CHA36



Model	Power	AC motor 1Ø	AC motor 3Ø	Fan Speed	Impeller Dia
CHA36	10HP	None	220V/60Hz	1000RPM (Belt Drive)	36inch
	10HP		380V/60Hz		
	15HP	None	220V/60Hz	1120RPM (Direct Drive)	
	15HP		380V/60Hz		

CHA40



Model	Power	AC motor 1Ø	AC motor 3Ø	Fan Speed	Impeller Dia
CHA40	15HP	None	220V/60Hz	1000RPM (Belt Drive)	40inch
	15HP		380V/60Hz		
	20HP	None	220V/60Hz	1120RPM (Direct Drive)	
	20HP		380V/60Hz		

Usage Description

1. The Fan Is Mainly Use In Delivering The Clean Air Without The Place That With Easy Burning Materials, Explosive Materials And Powder
2. If The Fan Is Fed With External Rotor Machine And Sealed Ball Bearing. It Is Free Maintenance.
3. If The Fan Install In The Damping And Sobering Area, Continuous Operation Is Required For The Fan.
4. The Fan Can Be Installed In The Outdoor Or Damp Environment With Drainage System.
5. All The Fans Are Feeding With International Standard Motors, Which Are Single Phase 120V, 60Hz Or 220V, 50Hz And Three Phases 380V, 50Hz
6. Installation Is Available In Any Areas

Installation

1. Must Be Install According To The Air Flow Marking
2. Must Be Connect To The Piping Or Equip With Safety Accessories
3. Must Be Installing In A Proper Way And Make Sure The Outlet Is Without Any Unusual Materials.
4. Try To Installing The Fan As Easy As For The Maintenance Purpose
5. Fan Required Flanges In Order To Avoid The Piping Damage When Vibrated
6. Speed Controller Or Transformer Is Available To Connect To The Fan
7. Wiring Diagram Is In The Package.
8. Wiring Must Be Strictly Following The Wiring Diagram.
9. Electrical Installation Must Be Done By Professional Technicians.
10. Electrical Installation Must Be Connecting In The Special Control Box.

Operation

Before Operation, Please Make Sure

1. The Real Maximum Current Cannot Be Exceed The National Standard Index:+5%.
2. The Voltage Pulsation Is Between +6% --+10%
3. No Exceptional Noise Produce When Operation.
4. The Rotating Direction For Three Phase Motor Is The Same As The Marking.

Maintenance

1. Before Repair Or Maintenance The Fan, Please Make Sure The Fan Is Stop And The Fan Is Not Working In Overload Condition
2. When Disassemble The Larger Fan, Please Care For The Weight To Avoid Blocking And Scratching
3. Cleaning The Fan Once A Year, So That It Can Keep The Function And Avoid The Unnecessary Damage.
4. Ball Bearing Is Free Maintenance Except For The Necessary Updates.
5. When Cleaning The Fan, Please Do Not Use The High Pressure Washer Or Strong Solvent, And Do Not Take Out The Damaging Impeller
6. Make Sure The Fan Is Operating Without Any Noise

Failure Detection

1. Make Sure The Fan Is In The Load Condition.
2. Verify The Impeller Is Without Block.
3. Please Do Check With The Heat-variable Switch And Motor Protector. If The Switch Is Not In Connected, Please Do Check It. If Its Need To Restart Makes Sure The Power Supply Is Cut Off In A Few Minutes Until The Rated Current Is Not Higher Than 1.6A. If The Motor Has The Heat Protector, It Will Automatically Reset After Cool Down.
4. Make Sure The Capacitor Is Connected According To The Wiring Diagram.
5. Please Change The Capacitor At The First Time When The Fan Is Not Work.
6. Please Contact The Distributor If The Fan Is Still Not Work
7. When Send Back The Fan To The Distributor, Please Clean It And Make Sure The Cables Are

Guarantee

The Guarantee Is Valid Only With The Guideline Of This Manual.

Noise Level Test Method

1m/45° Free Zone, Without Connect The Ducting Noise Data

Company Introduction

Cks Fan Is China Based Business Owned And Operated By Its Management Team. We Specialize In Air Movement And Have Experience Gained More Than Ten Years Of Operation With Worldwide Predecessors. We Service The Ventilation Equipment Needs Of Customers Ranging From HVAC Through Mining, Manufacturing, Construction, And Agriculture As Well As Retail End Users Include Tianjin And Suzhou Retail Stores. We Build Our Products In State Of The Art Facilities In Guangzhou, WuHan And DeQng. We Adapt Iso9001quality System To Ensure Our Custom-ers Are Using Best Products.

Certification:



Capabilities And Services

- | | |
|---|--|
| ① Fan And Blower Design And Manufacture | ② Fully Performance Tested Products And Published Data |
| ③ In-house Design Engineering Team | ④ Scale And Capacity To Handle Any Size Project |
| ⑤ Servicing Overseas Markets With Built Products And OEM Supply | ⑥ Sales And After Sales Support Teams |

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China

