COMFORT AIR™
Air conditioning & heating

EHU Upblast Roof Fan

（UL705 And UL762 Test Grant）

Comfort Air upblast roof fans are designed to provide efficient and reliable operation for commercial and kitchen exhaust. Our products are manufactured with state of the art laser, forming, spinning and welding equipment to ensure our quality and a trouble free start-up.

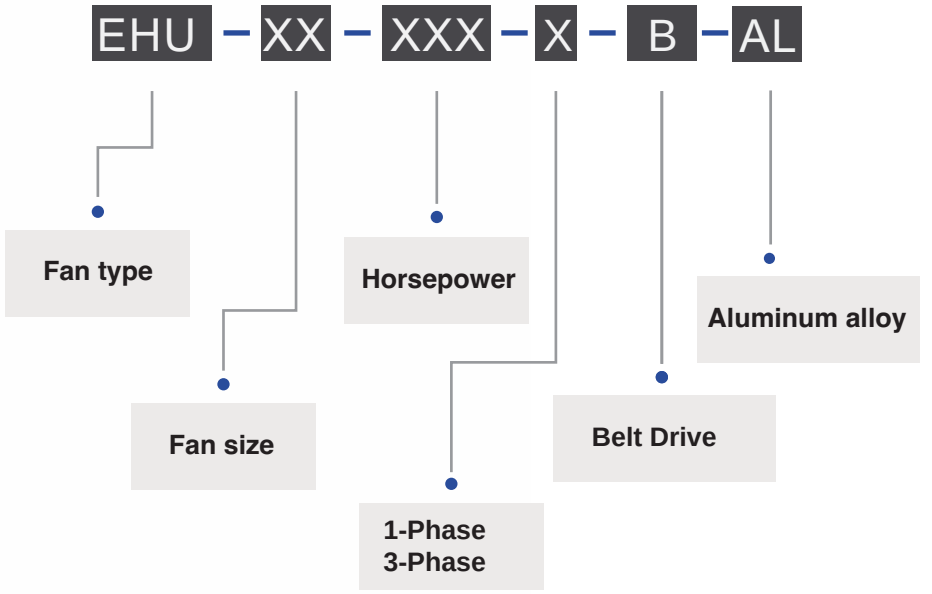
Typical application includes:

- Factory exhaust
- Smoke fan
- Restaurant grease exhaust
- Agricultural area

Main features with EHU series

- This fan can be used as kitchen exhaust
- Working in high temperature environment
- Full mold, aluminum alloy structure
- Most advanced motor cooling of blower in its class
- Direct drive and belt drive are available
- IEC60335 report
- ISO9001:2018 controllable standard

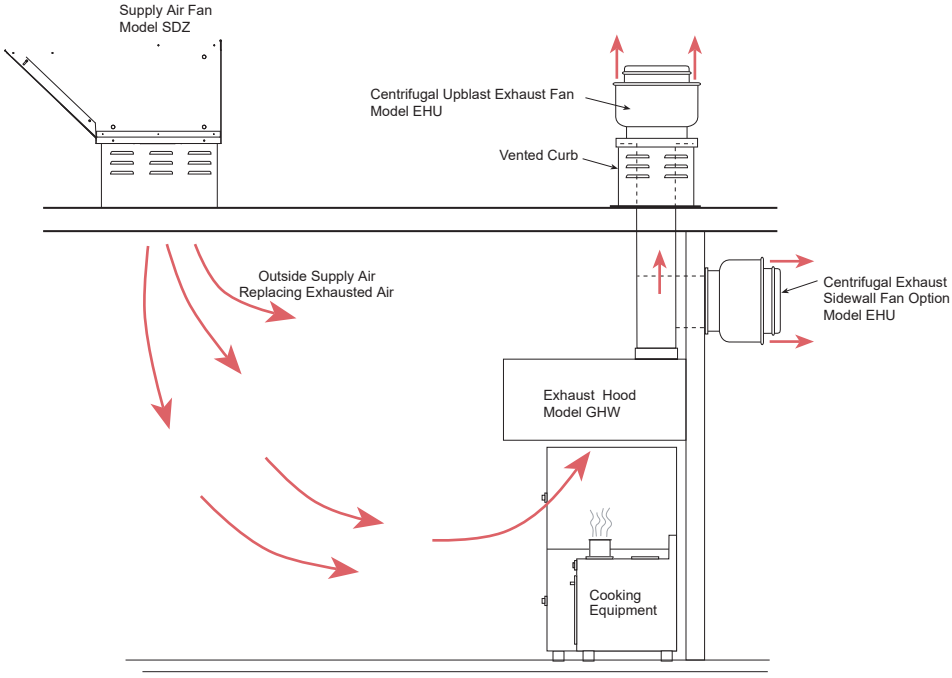
Mixed Fan model number code



EHU Series: The fans are made in Aluminum Alloy, which is cut by laser to ensure high-precision. The base is Aluminum Alloy for on-time stretch. Driven cavity cover adopt galvanized material, which can be open with hands, and convenient for daily cleaning maintenance. Different types of motor with different transmissions can be selected at different motor brackets. The impeller adopts laser cutting technology and die stretch forming. Impeller balance test grades are in strict accordance with the G4.0 ISO1940.

Commercial kitchen ventilation

This drawing shows a typical commercial kitchen ventilation system that consists of a roof mounted upblast exhaust fan and a supply fan. Exhaust and 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 require100 CFM/ft 2 of hood area for wall style hoods.

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.		

Supply

Recommended supply airflow is 80% of exhaust cfm. The remaining 20% 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.

NFPA considerations

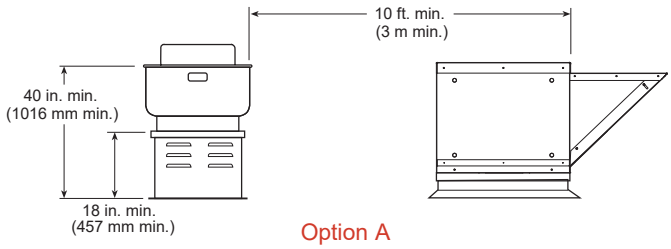
The National Fire Protection Association specifies minimum distance criteria for restaurant exhaust and supply fans:

Option A

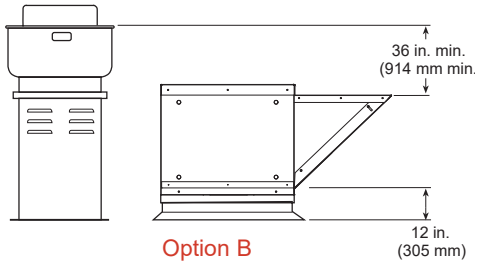
1. Roof deck to top of exhaust fan windband:
   40 inches (1016 Mm) minimum
2. Roof deck to top of curb:
   18 inches (457 mm) minimum
3. Supply fan intake:
   10 feet (3048 mm) minimum from all exhaust fans

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).



Option A

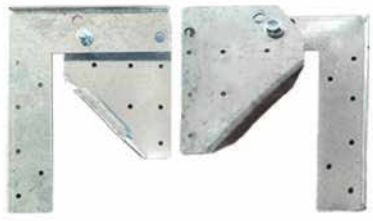


Option B

Grease Collector

Hinge Kit

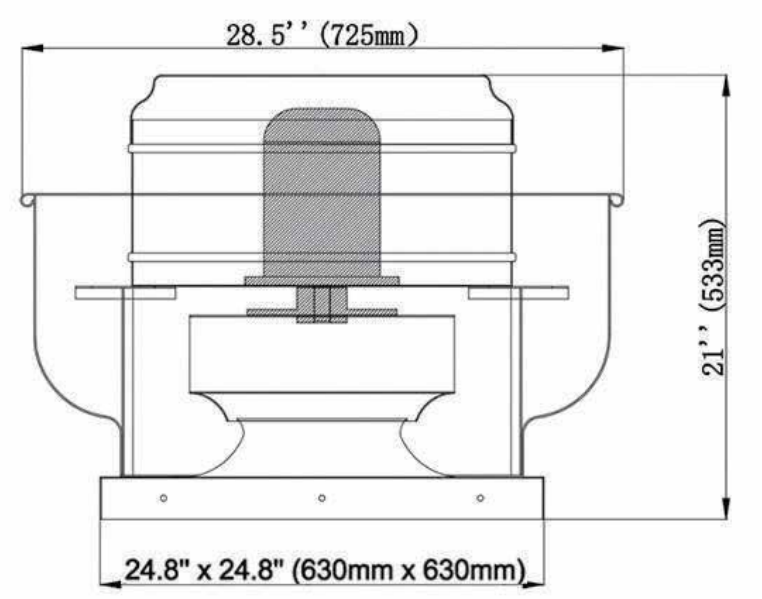
Convenient cleaning and maintenance, strong corrosion resistance.



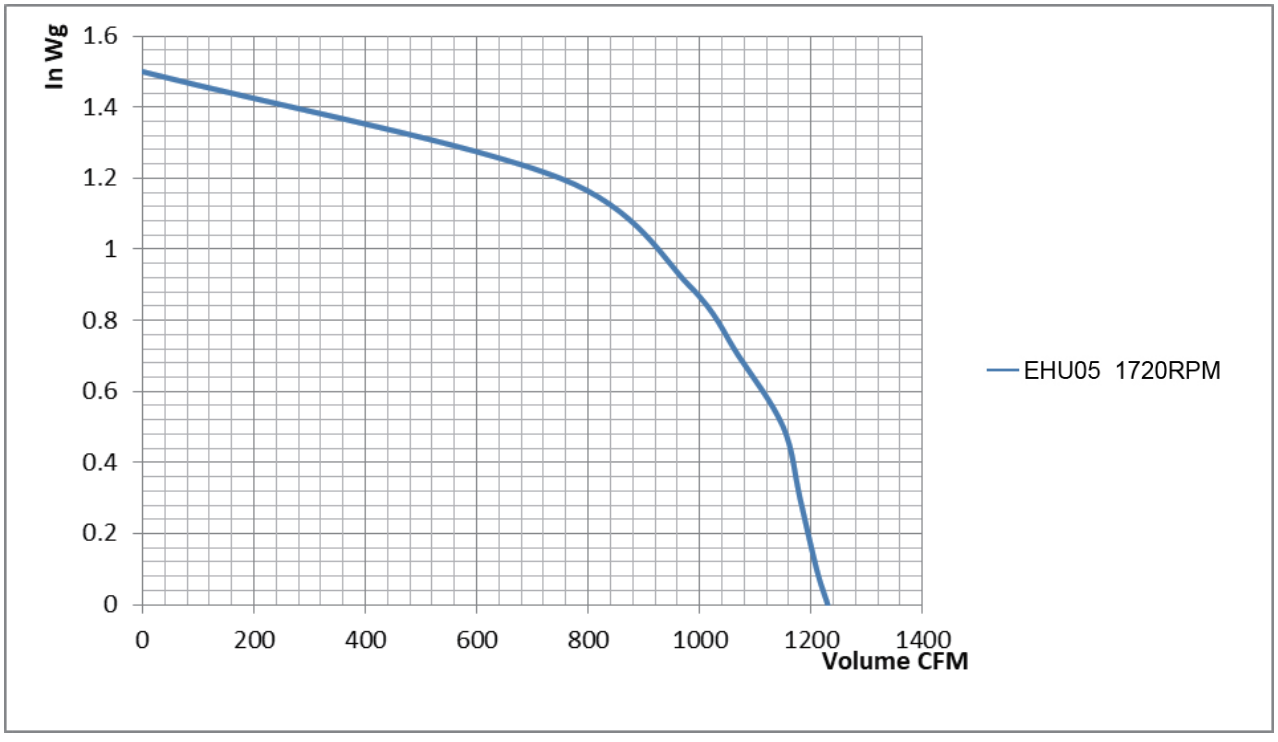
Baffle Hood Filter

Multi-angle cleaning for easy maintenance

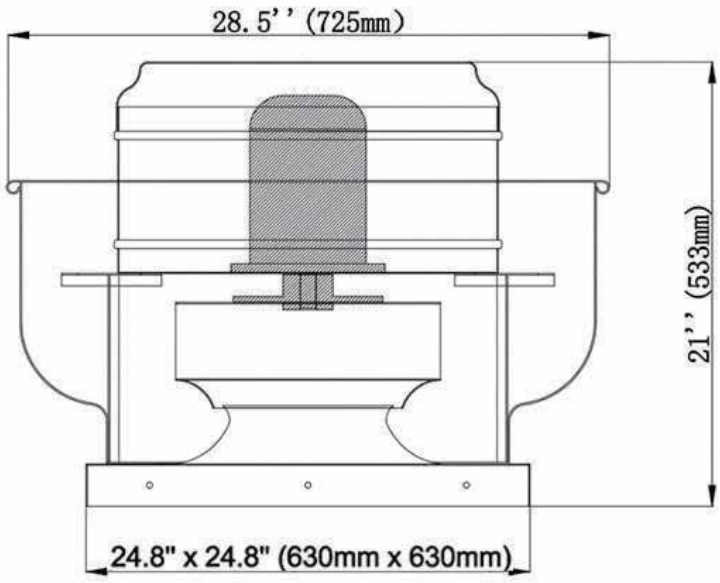
EHU05 Technical Data



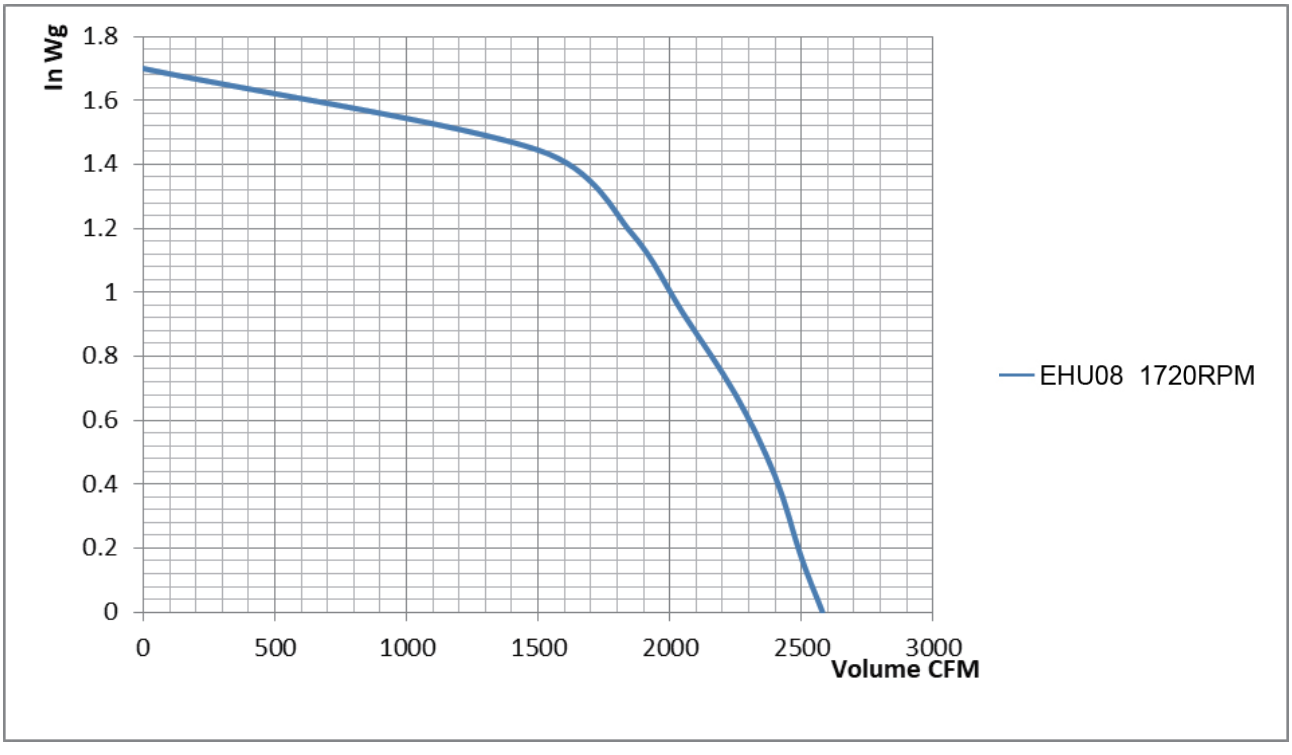
Model	Power	AC Motor 1Ø	Fan Speed	Impeller Dia
EHU05	0.25HP	220V-230V/60Hz	1720RPM	11inch



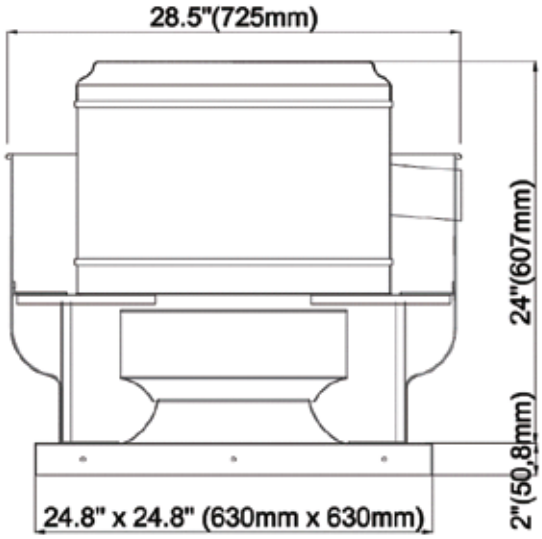
EHU08 Technical Data



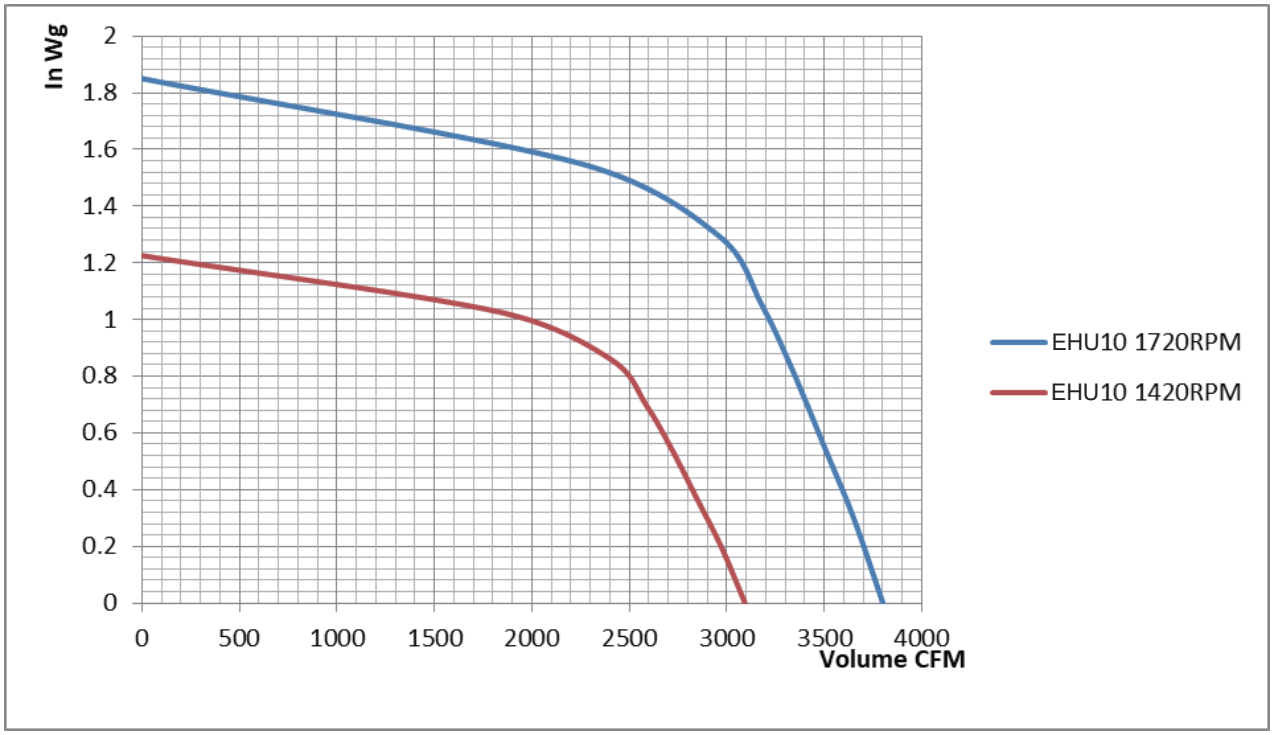
Model	Power	AC Motor 1Ø	AC Motor 3Ø	Fan Speed	Impeller Dia
EHU08	0.5HP	220V/60Hz	220V/60Hz	1720RPM	12.5inch
	0.5HP		380V/60Hz		



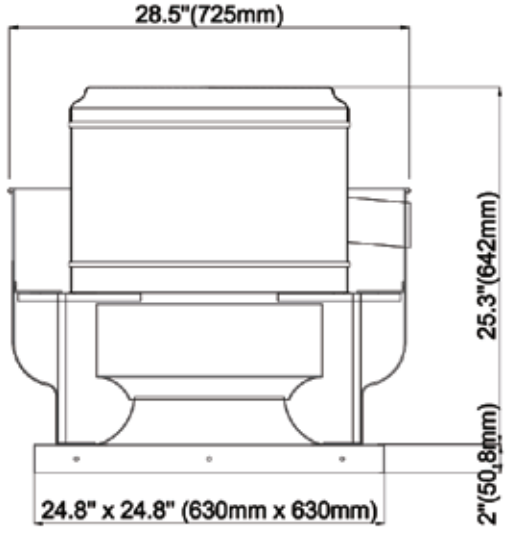
EHU10 Technical Data



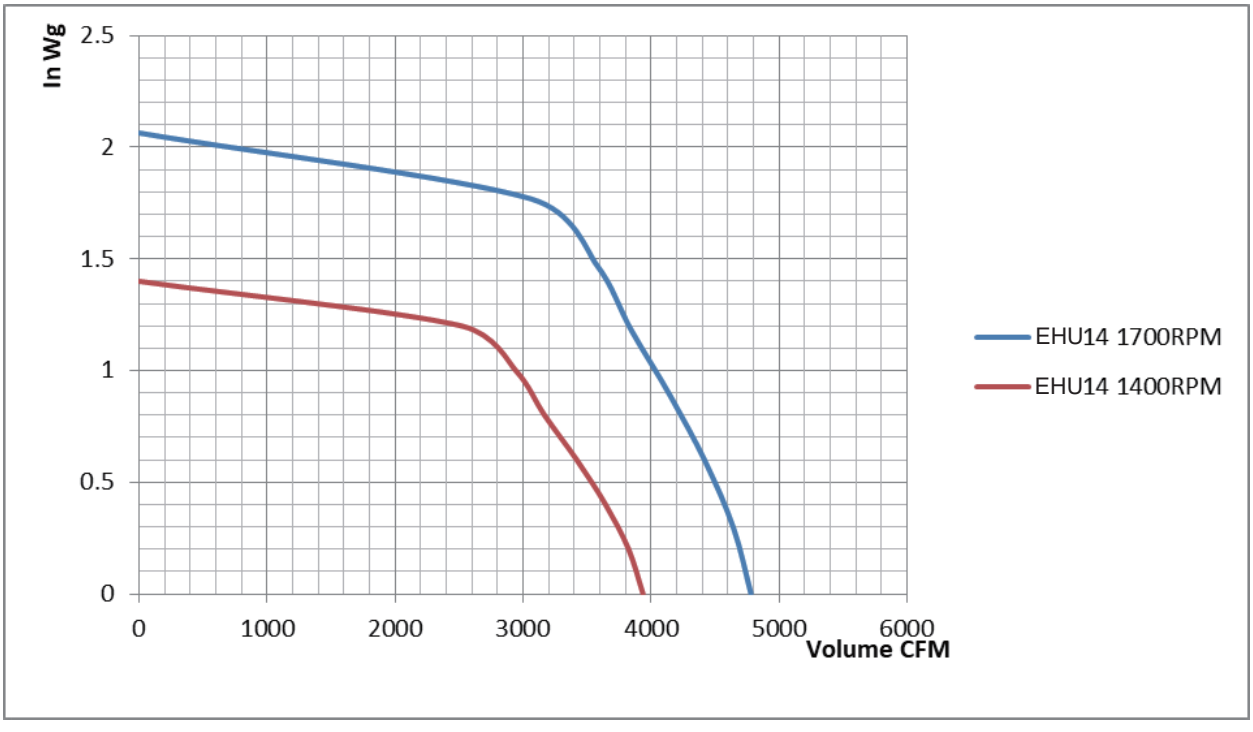
Model	Power	AC Motor 1Ø	AC Motor 1Ø	Fan Speed	Impeller Dia
EHU10	0.75HP	220V/60Hz	220V/60Hz	1400RPM (Belt Drive)	14inch
	0.75HP		380V/60Hz		
	1.0HP	220V/60Hz	220V/60Hz	1720RPM (Direct Drive)	
	1.0HP		380V/60Hz		



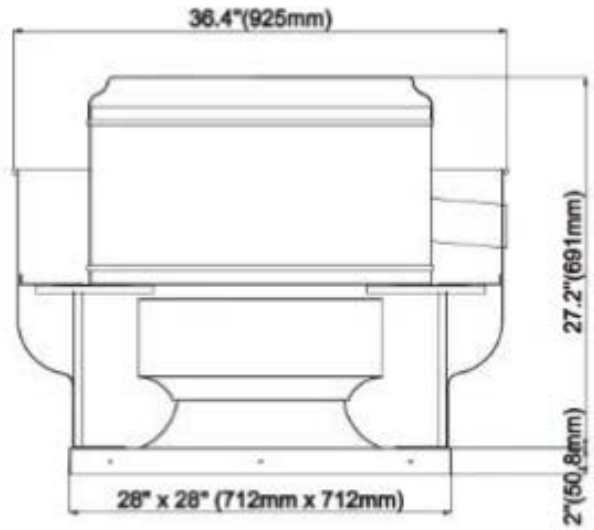
EHU14 Technical Data



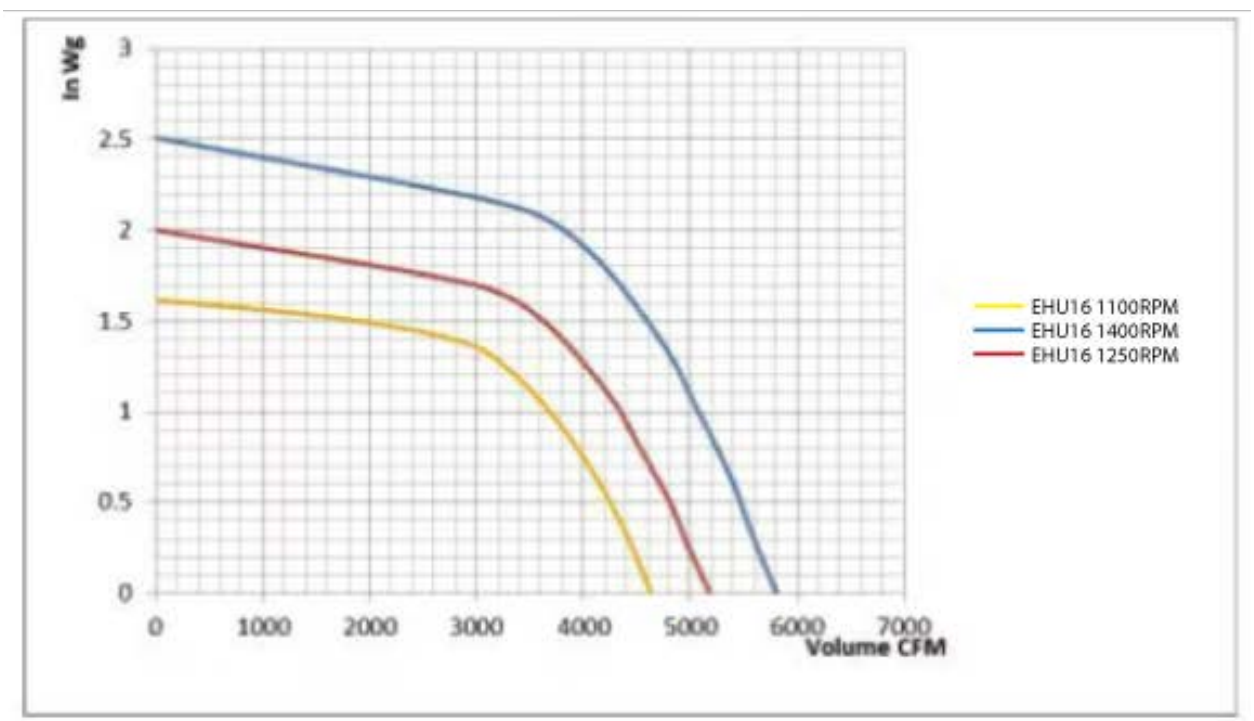
Model	Power	AC Motor 1Ø	AC Motor 1Ø	Fan Speed	Impeller Dia
EHU14	1.0HP	220V/60Hz	220V/60Hz	1400RPM (Belt Drive)	16inch
	1.0HP		380V/60Hz		
	1.5HP	220V/60Hz	220V/60Hz	1720RPM (Direct Drive)	
	1.5HP		380V/60Hz		



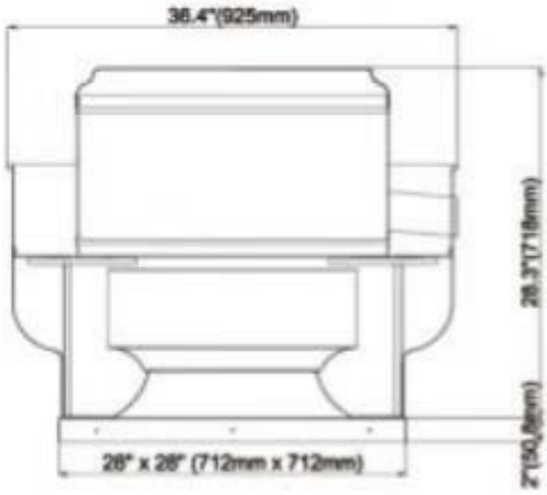
EHU16 Technical Data



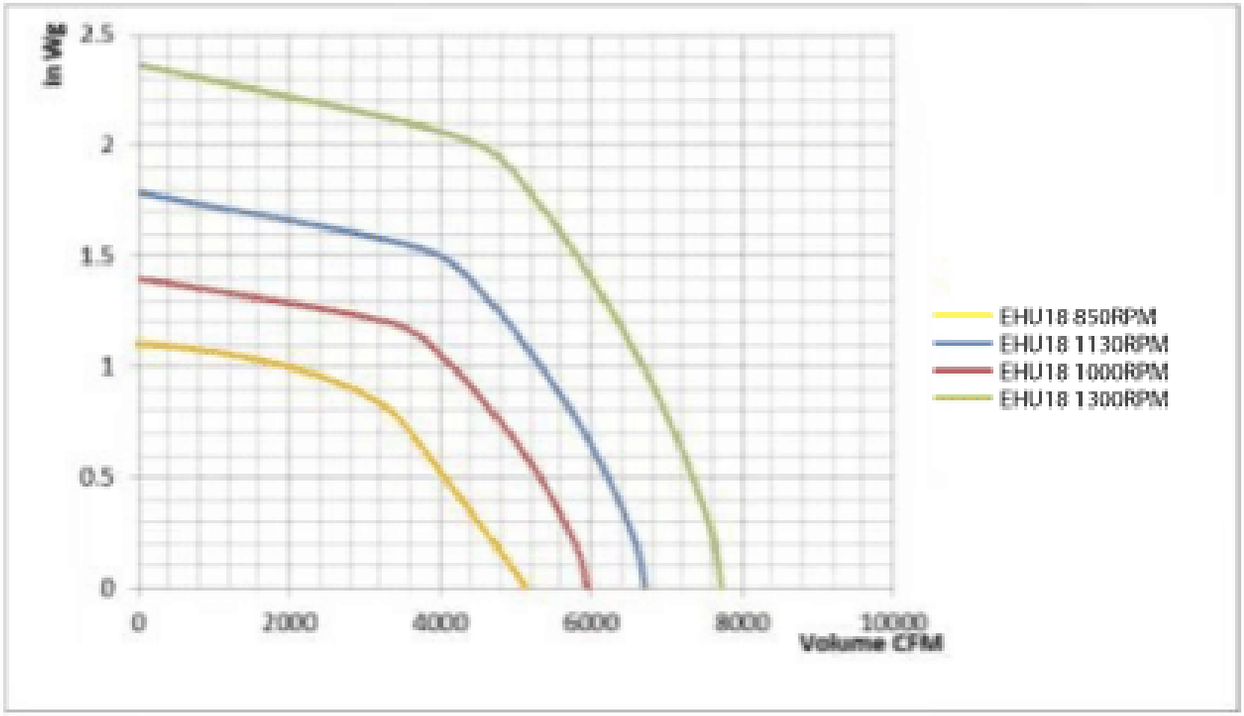
Model	Power	AC Motor 1Ø	AC Motor 3Ø	Fan Speed	Impeller Dia
EHU16	1HP	220V/60Hz	220V/60Hz	1100RPM (Belt Drive)	18inch
	1HP		380V/60Hz		
	1.5HP	220V/60Hz	220V/60Hz	1300RPM (Belt Drive)	
	1.5HP		380V/60Hz		
	2.0HP	220V/60Hz	220V/60Hz	1720RPM (Belt Drive)	
	2.0HP		380V/60Hz		



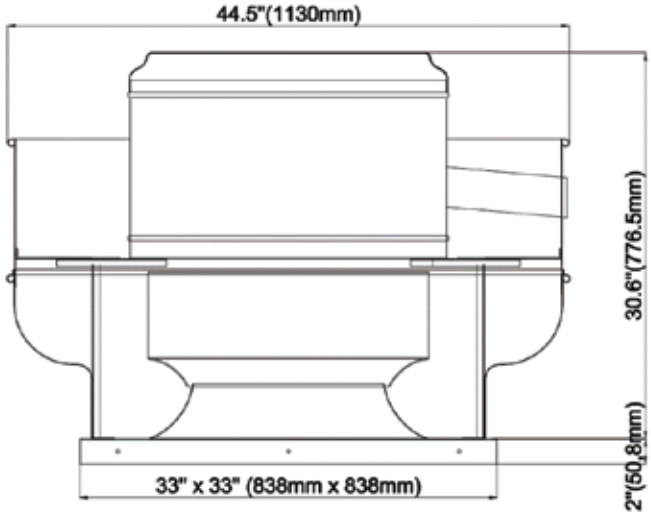
EHU18 Technical Data



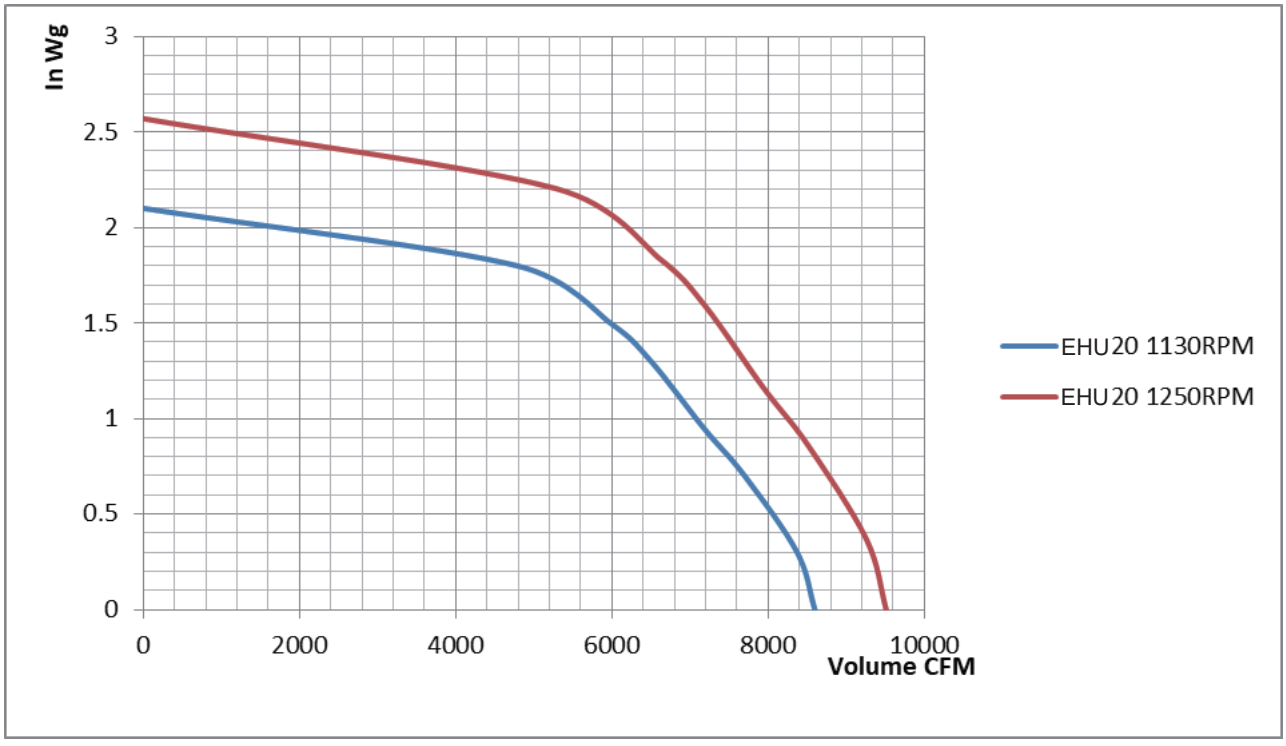
Model	Power	AC Motor 1Ø	AC Motor 3Ø	Fan Speed	Impeller Dia
EHU18	1HP	220V/60Hz	220V/60Hz	850RPM (Belt Drive)	20inch
	1HP		380V/60Hz		
	1.5HP	220V/60Hz	220V/60Hz	1000RPM (Belt Drive)	
	1.5HP		380V/60Hz		
	2.0HP	220V/60Hz	220V/60Hz	1130RPM (Direct Drive)	
	2.0HP		380V/60Hz		
	2.0HP	220V/60Hz	220V/60Hz	1300RPM (Direct Drive)	
	2.0HP		380V/60Hz		



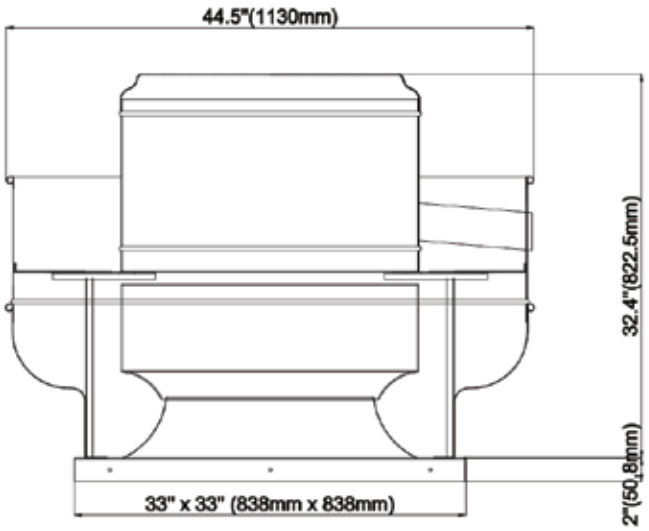
EHU20 Technical Data



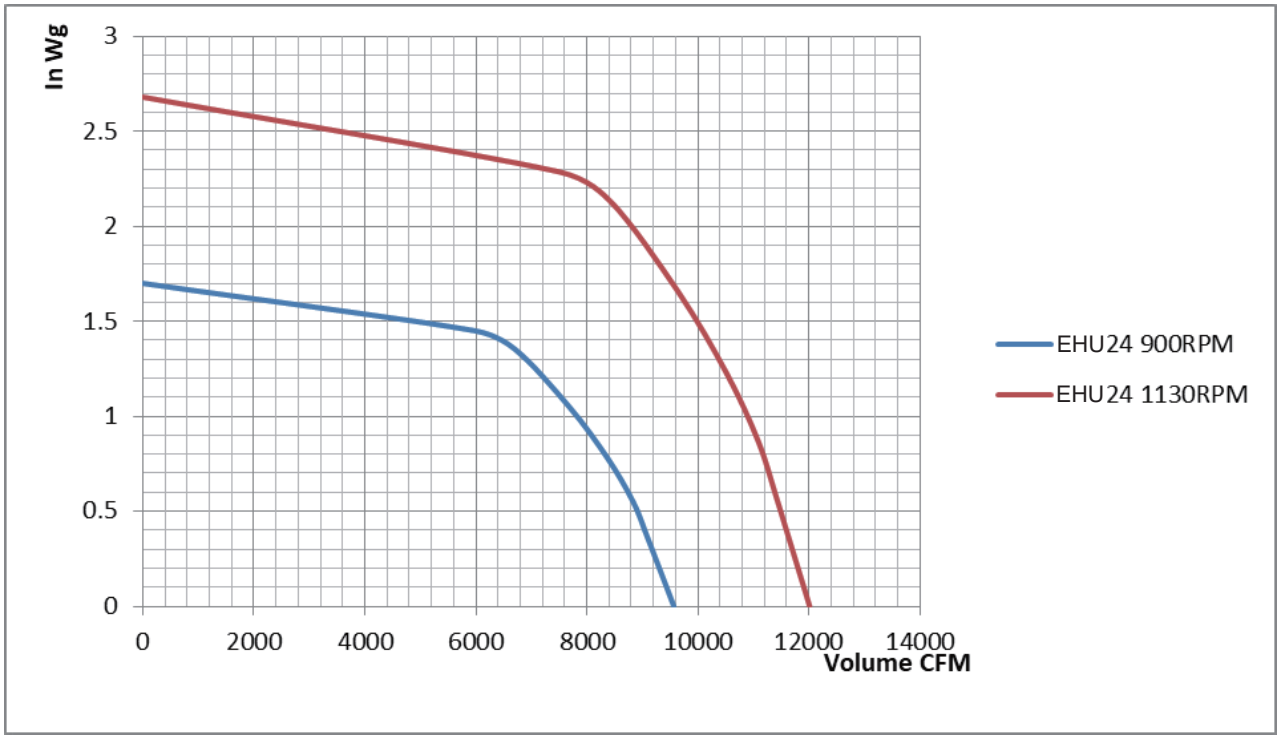
Model	Power	AC Motor 1Ø	AC Motor 1Ø	Fan Speed	Impeller Dia
EHU20	2.0HP	220V/60Hz	220V/60Hz	1130RPM (Direct Drive)	22inch
	2.0HP		380V/60Hz		
	3HP	None	220V/60Hz	1250RPM (Belt Drive)	
	3HP		380V/60Hz		



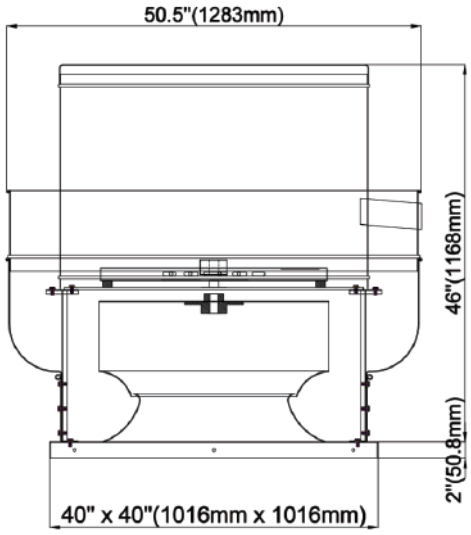
EHU24 Technical Data



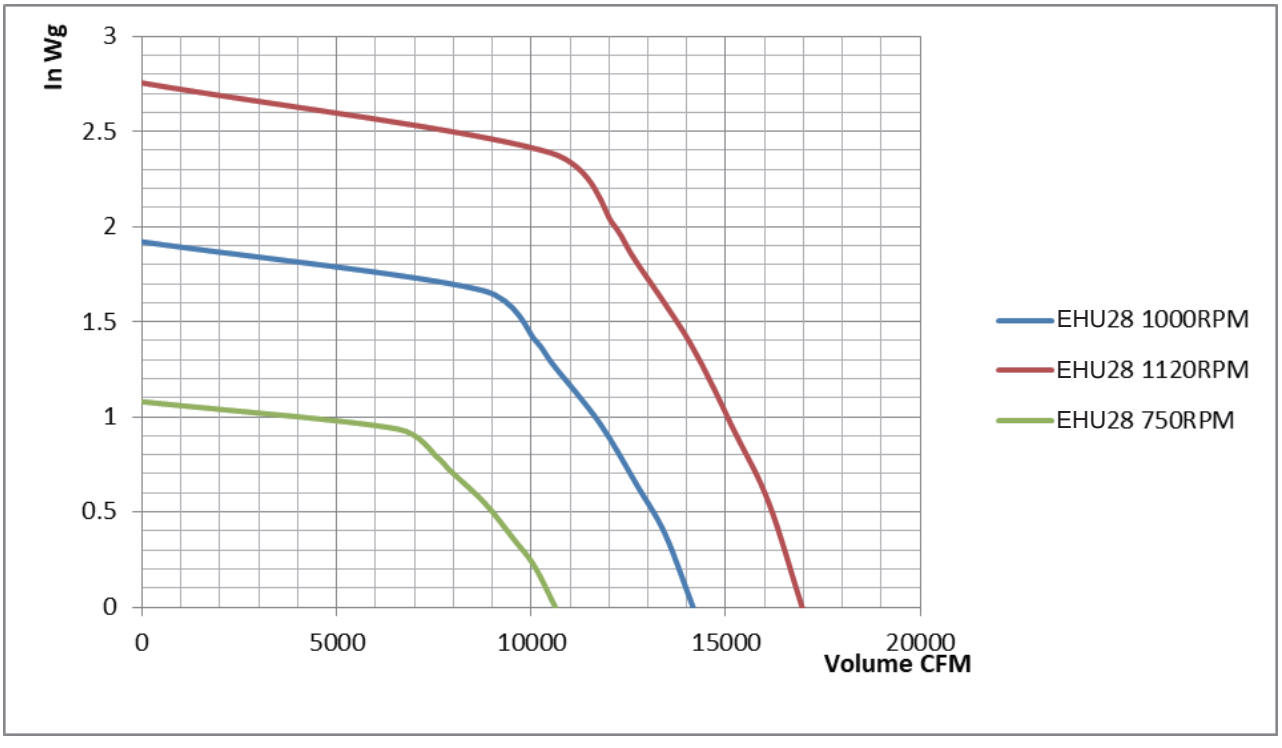
Model	Power	AC Motor 1Ø	AC Motor 1Ø	Fan Speed	Impeller Dia
EHU24	2.0HP	220V/60Hz	220V/60Hz	900RPM (Belt Drive)	25inch
	2.0HP		380V/60Hz		
	4HP	None	220V/60Hz	1120RPM (Direct Drive)	
	4HP		380V/60Hz		



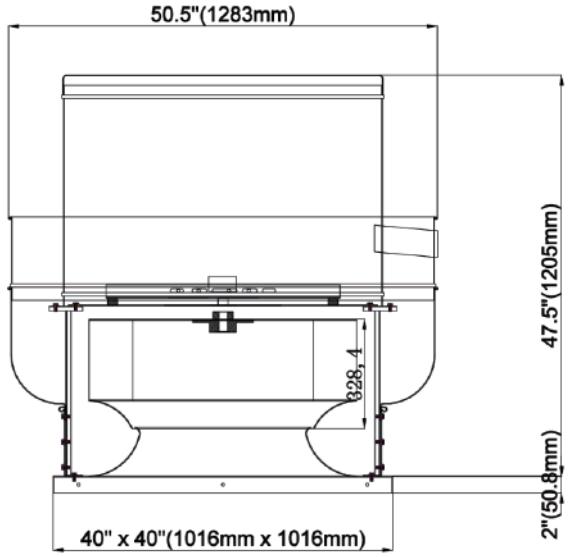
EHU28 Technical Data



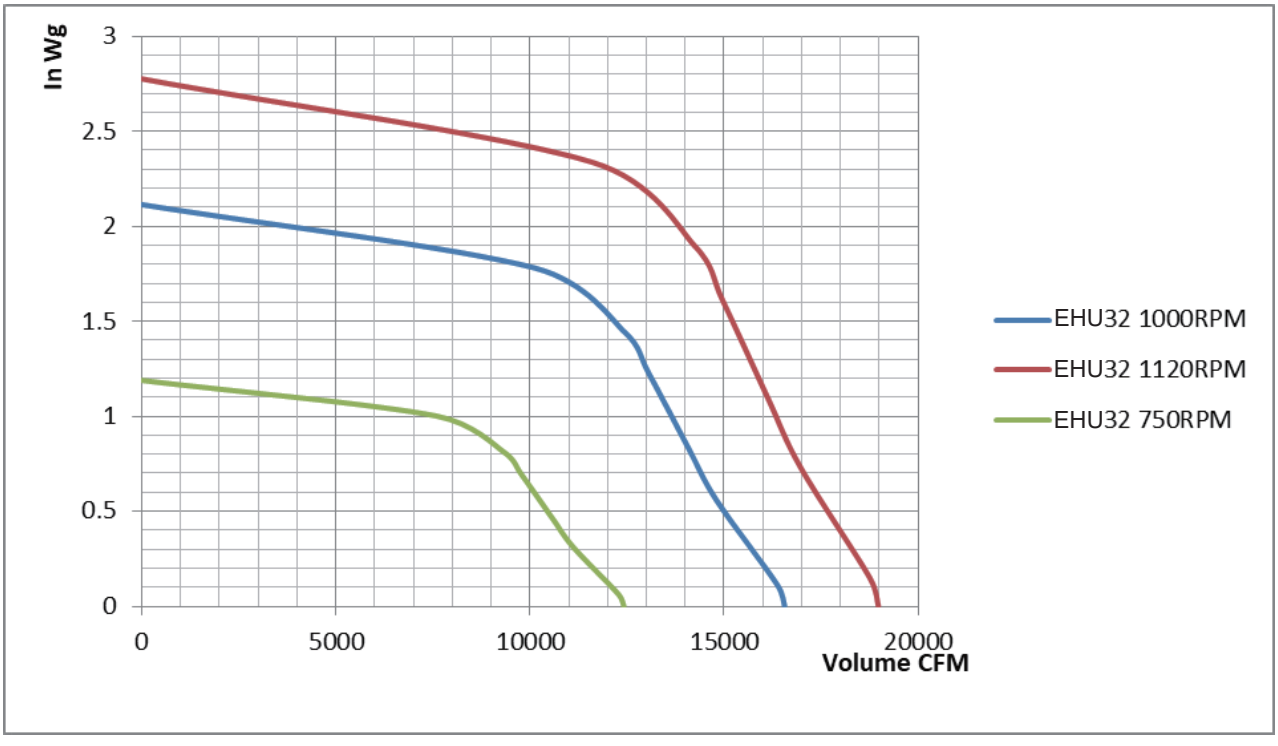
Model	Power	AC Motor 1Ø	AC Motor 1Ø	Fan Speed	Impeller Dia
EHU28	3HP	None	220V/60Hz	750RPM (Belt Drive)	28inch
	3HP		380V/60Hz		
	5.5HP	None	220V/60Hz	1000RPM (Belt Drive)	
	5.5HP		380V/60Hz		
	7.5HP	None	220V/60Hz	1120RPM (Direct Drive)	
	7.5HP		380V/60Hz		



EHU32 Technical Data



Model	Power	AC Motor 1Ø	AC Motor 1Ø	Fan Speed	Impeller Dia
EHU32	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		



COMFORT AIR™

Air conditioning & heating