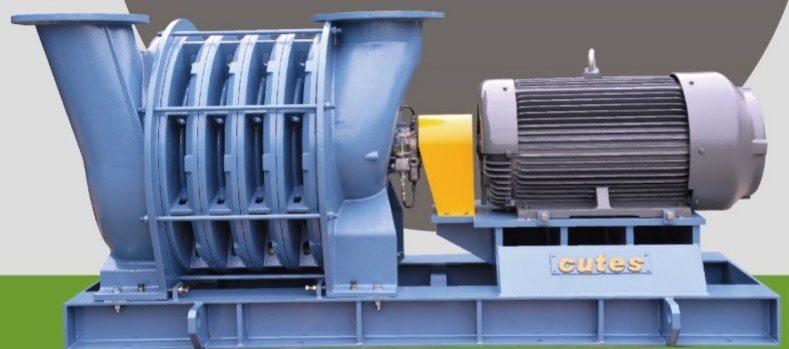


# Multistage Centrifugal Turbo Blower

Technical cooperation with Industrial Technology Research Institute



# PRODUCT INTRODUCTION



## Product feature

1. The inlet, the outlet and the diffuser are optimized by CFD to reduce the flow loss.
2. 3D impeller design transfers energy to the airstream with very high efficiency.
3. The highest efficiency is above 80%.
4. Strictly dynamic balance for rotor makes it low vibration, high reliability and low noise.
5. Advanced blower structure makes it convenient for installation, operation and maintenance.

## Application industry

Application function: Widely used in agitation, combustion, aeration, supercharging, vacuum suction, air drying, product cooling, sulfur mine reduction and fluid treatment.

Application industry: paper industry, printing industry, textile industry, casting industry, food industry, exhaust gas from coal mine, transportation of powder and granular material, air source for process, waste water treatment unit and industrial vacuum cleaning, etc.

# Standard and optional composition

## Standard

1. Blower body
2. Base
3. Control system  
(basic protection system)
4. Foundation bolt and isolation pad

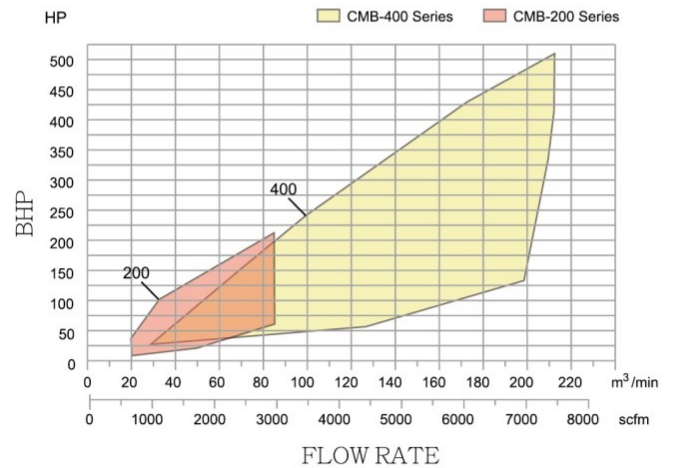
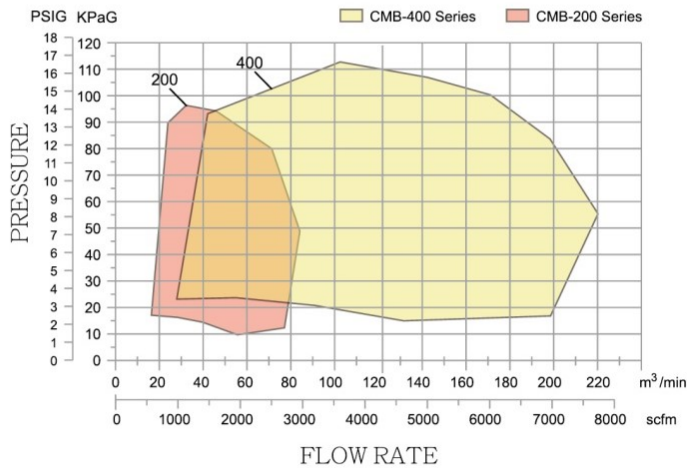
Note: Different items will be offered according to the application and the working circumstances.

## Optional

1. Motor
2. Inlet and outlet valve
3. Control system (frequency conversion/human machine interface)
4. Anti-aerodynamic surge valve
5. Acoustic enclosure
6. Inlet and outlet silencer
7. Inlet and outlet expansion joint
8. Temperature, pressure and vibration sensor
9. Spare parts

## Performance

### PRESSURE PERFORMANCE



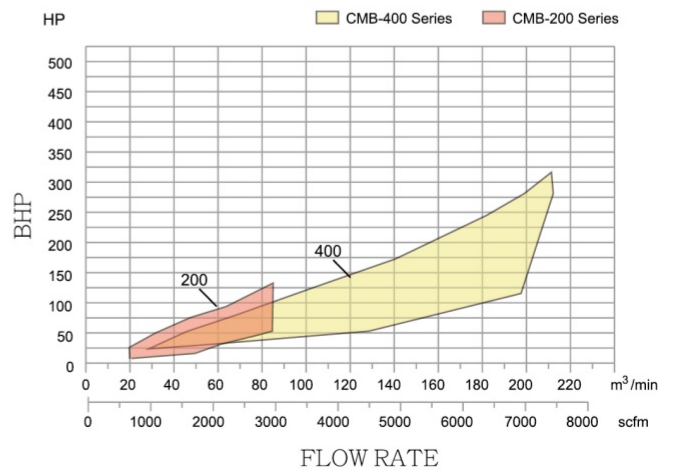
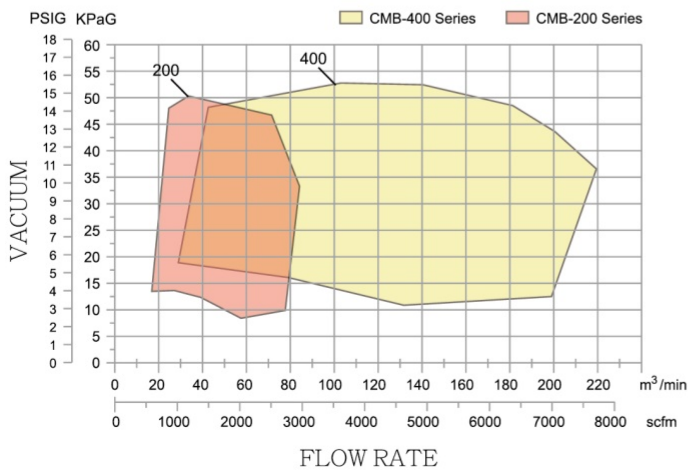
## Specifications

Capacity: 30~680m<sup>3</sup>/min  
 Pressure: 2100~14000mmAq(G)  
 Vacuum : ~ -6000mmAq(G)  
 Highest efficiency: 83%  
 Working efficiency: Above 70%  
 Noise dB(A): 85dB(A)/1m

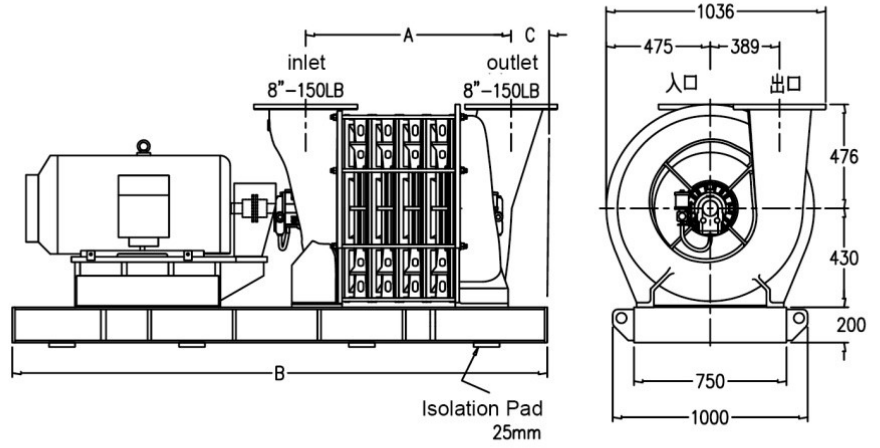
## Material

Material of construction  
 Casing and heads: Cast iron  
 (FC250)(JIS)  
 Bearing housing: Spheroidal graphite cast  
 iron (FCD50)(JIS)  
 Oil reservoir: Cast aluminum (A356)(ASTM)  
 Shaft: Carbon steel (SCM440H)(JIS)  
 Impeller: Cast aluminum alloy  
 (A356)(ASTM)  
 Spacer: Structural steel (SS400)(JIS)  
 Tie rods: Carbon steel (S45C)(JIS)  
 Base: Welded structural steel  
 Seal: Alumium alloy ( 6061)(ANSI)

### VACUUM PERFORMANCE



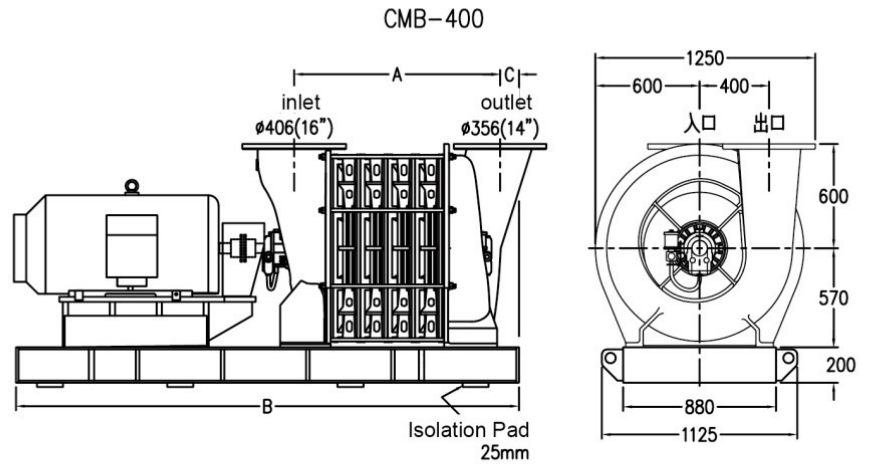
# CMB-200 Series



## Dimensions

ITEM	MODEL	STAGE	Dimension			Weight	
			A	B	C	Blower and base (excluding motor)	
			mm	mm	mm	KG	LB
<b>CMB-200</b>	202	2	399	1850	235	920	2028
	203	3	526	1850	125	1070	2359
	204	4	653	2350	345	1300	2866
	205	5	780	2350	235	1450	3197
	206	6	907	2350	125	1600	3528
	207	7	1034	2850	345	1840	4057
	208	8	1161	2850	235	2000	4410
	209	9	1288	2850	125	2150	4740

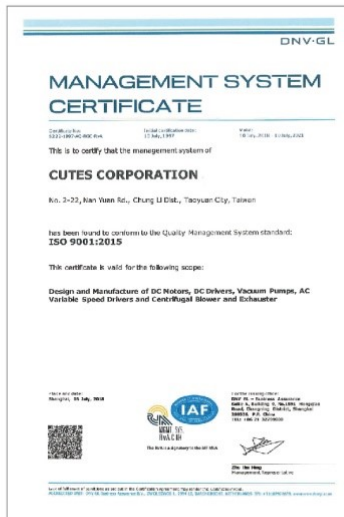
# CMB-400 Series



## Dimensions

ITEM	MODEL	STAGE	Dimension			Weight	
			A	B	C	Blower and base (excluding motor)	
			mm	mm	mm	KG	LB
<b>CMB-400</b>	402	2	714	2413	193	1747	3852
	403	3	871	2413	36	2049	4518
	404	4	1028	2896	351	2424	5344
	405	5	1185	2896	193	2726	6010
	406	6	1343	2896	36	3028	6676
	407	7	1500	3200	193	3421	7542
	408	8	1657	3200	36	3723	8208

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