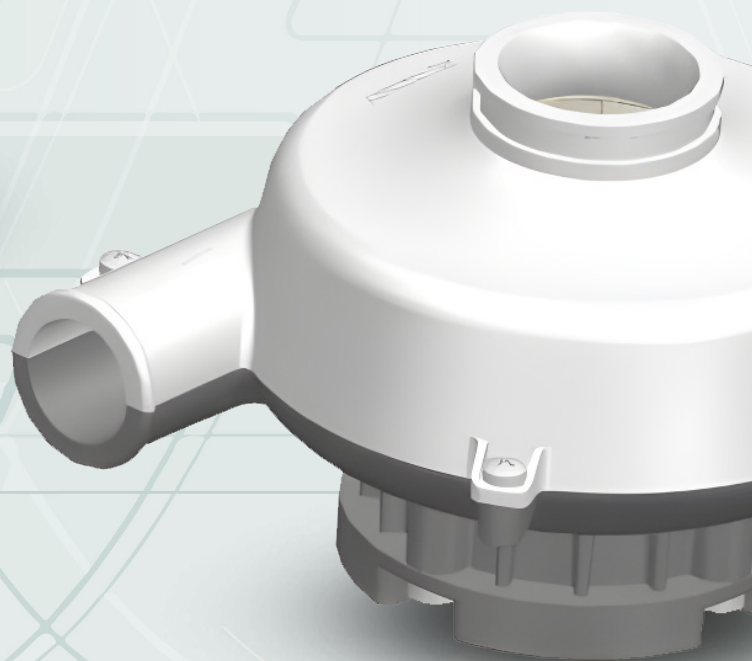
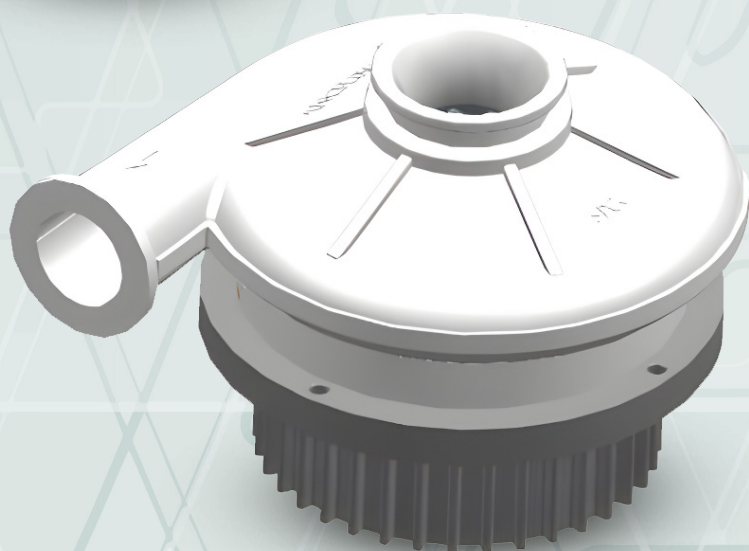


# DINGS

Precision Motion Specialist

## MICRO RADIAL BLDC BLOWER PRODUCT CATALOG





Since its establishment in 2008, Jiangsu DINGS' Intelligent Control Technology Co., Ltd. adheres to the "Quality comes from Responsibility, Details determine Success or Failure" business concept, commits to become a Precision Motion Specialist and world-class motion control solutions provider. DINGS' provides precision stepper motor actuators, brushless DC motors and motion controllers.

## Size

DINGS' facility covers an area of 56 acres, with more than 5,000 square meters of processing center, equipped with more than 100 sets of processing equipment such as wire rolling machine, automatic injection molding machine, CNC machine tools, machining centers, automatic screw straightening machine, etc., with a total investment of more than 100 million in equipment; there are more than 20 motor assembly lines in the production workshop, with an annual production capacity of up to 4 million units; and there is a product research and development center, a precision testing and inspection laboratory and an experimental center.

It is equipped with testing and inspection instruments such as positioning torque test, hardness test, precision measurement, dynamic balance, etc. It has an integrated management system of product design, manufacturing and inspection, which provides the necessary conditions to meet the customized demands of users.



## Qualifications

DINGS' is a high-tech company listed on the new third board, NEEQ stock market in June, 2021. And listed on the Beijing Stock Exchange 13th Apr, 2023. DINGS' has awards of "Jiangsu Private Science and Technology Enterprise", "Jiangsu Science and Technology Small and Medium-sized Enterprise" and "Jiangsu Specialized and New Small Giant Enterprise". In addition, DINGS' products have RoHS, CE, REACH and other certifications as ISO9001 and ISO14001. DINGS' has more than 80 invention patents.



## Growth

2008

Established a company and registered DINGS' Brand

2010

Established DINGS' MOTION USA

2016

Established DINGS' Korea

2019

Join in LEILI group

2021

Company moved to Jiangsu Railway Industrial Park  
Established Changzhou Intelligent Manufacturing Factory  
Listed on the new third board, NEEQ stock market

2022

Application of Jiangsu Engineering Technology Research Center  
Application of Changzhou Enterprise Technology Center  
Set up R&D Center in Korea

2023

Application for National Specialized New Small Giant  
Establishment of DINGS' Europe  
Listed on the Beijing Stock Exchange [Stock Code : 873593]

2024

Relocation of Headquarter into new plant



# MICRO RADIAL BLDC BLOWER

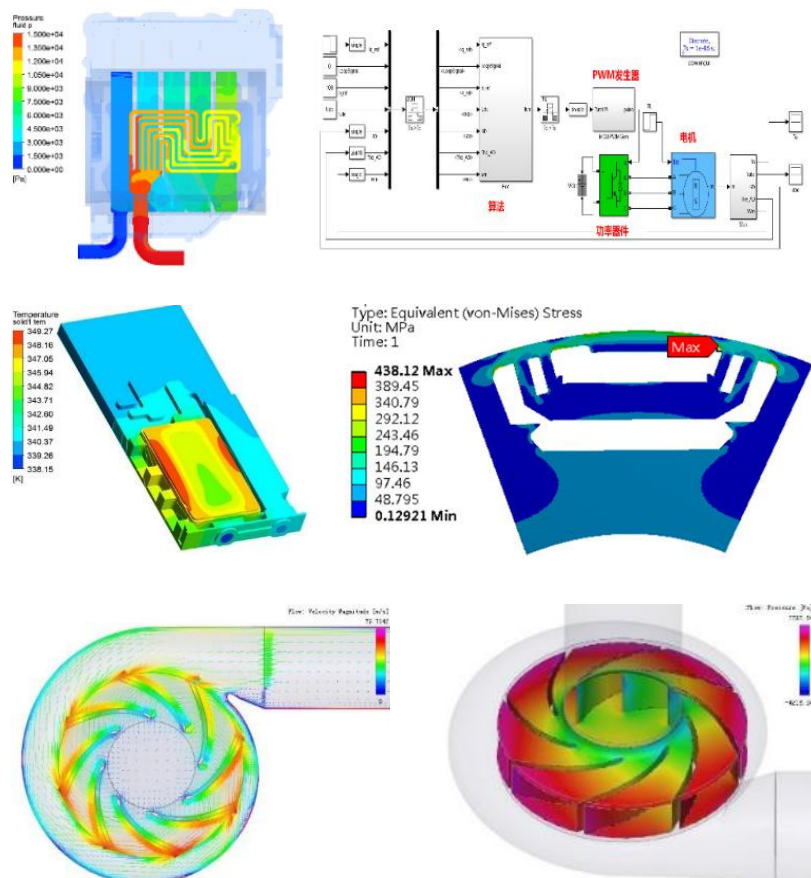
## CONTENTS



- Company Overview
- Application Field And Scenarios
- Blowers
  - C60 Series Blowers
  - C65 Series Blowers
  - S80 Series Blowers
  - C80 Series Blowers
  - C90 Series Blowers
  - Blower Accessories
- Certificates



## Company Overview



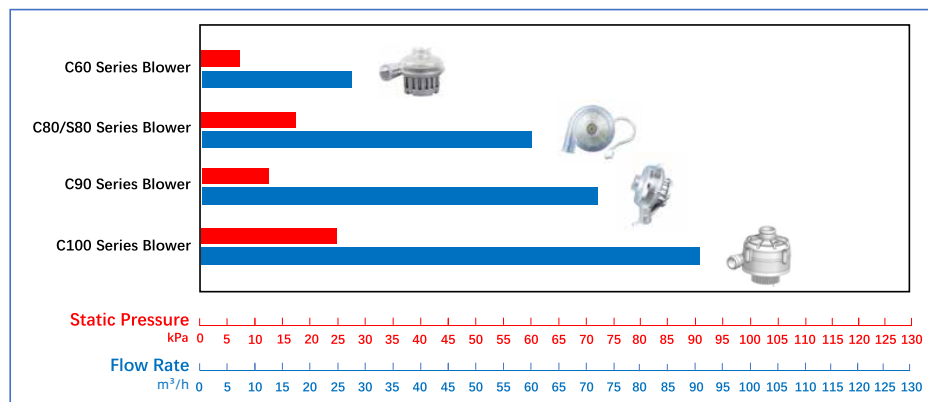
## Product Development Capabilities

- System Definition and System Integration
- Fluid Design
- Electrical Motor Development
- Motor Driver HW&SW Development
- Mechanical Design
- FEA/CFD/Electromagnetic/Thermal Simulation
- Completed Product Validation Capabilities

## Product Portfolios

- Brushless DC Blower
- Brushless DC Motor Driver
- Brushless DC Motor
- Fuel Cell Air Compressor

## DINGS' Micro Radial BLDC Blower Motor Key Features



High Static Pressure

Compact Design

Speed: 30,000-120,000rpm

Low Noise

>20,000h/50,000h  
Long Life

# Why Choose Us



## We are the fluid product expert

- Average 10+ years R&D experience, core members hold PHD and Master's degrees
- Rich experience in system development and system integration
- Expertise in blower, fan, brushless DC motor and motor driver development
- Automotive manufacturing expertise team
- High static pressure and air flow-rate in a compact size, combining silence technology and fast dynamic response design



## Customizable

- DINGS' engineering team develops the desired application with and for the customer according to individual requirements



## Long Service Life

- The expected lifetime of our fans and blowers is more than 20,000 to 50,000 hours, which means high reliability for the operator



## Reliable Quality

- Strictly following ISO 9001 and company quality policy, we always offer high-quality and excellent consistency products to our customers.



## Competitive Price

- Conducting fit-for-use design, lean manufacturing and craftsmanship policy, we can offer our customers with a competitive price



## Quick Technical Support

- We have a fast-response technical expertise team; our customers can easily get professional technical support from us

# Application Field And Scenarios

## Main Application Filed

Medical & Big Health



Hydrogen Fuel Cell System



Industrial Automation Test & Monitoring Equipment



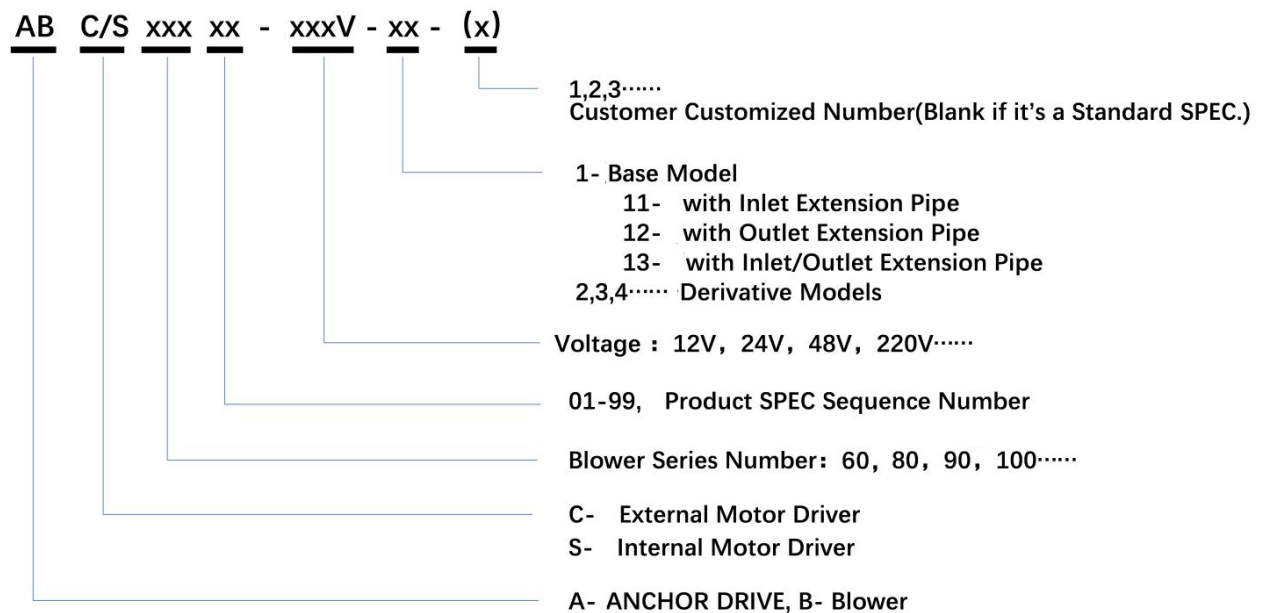
Special Applications



## Typical Application Scenarios

Medical	Equipment and Instrument	Others
<ul style="list-style-type: none"> <li>■ Ventilator</li> <li>■ Expectorator machine</li> <li>■ Surgical smoke removal equipment</li> <li>■ Nebulizer</li> <li>■ Oxygen generator</li> <li>■ Isolation chamber</li> <li>■ PARR</li> <li>■ Dental equipment</li> <li>■ Disinfection and sterilization equipment</li> <li>■ Gas test</li> </ul>	<ul style="list-style-type: none"> <li>■ Dust/Smoking removal</li> <li>■ Disinfection and sterilization equipment for cold chain</li> <li>■ Cooling</li> <li>■ Glove box</li> <li>■ Temperature and humidity test chamber</li> <li>■ Part grabbing</li> <li>■ Gas transportation</li> <li>■ Liquid nebulizer</li> <li>■ Environmental monitoring</li> <li>■ Gas test</li> </ul>	<ul style="list-style-type: none"> <li>■ Hydrogen fuel cell system</li> <li>■ Fresh air system</li> <li>■ Vacuum cleaner</li> <li>■ Floor sweeping robot</li> <li>■ Air cushion aerator</li> <li>■ Moxibustion smoking removal</li> <li>■ Agricultural application</li> <li>■ Aerator</li> <li>■ Stove</li> </ul>
<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>

# The Model Definition of DINGS' Micro Radial BLDC Blower



## Example

AB C8007-24V-1	AB C8007-24V-2	Base model
AB C8007-24V-11	AB C8007-24V-21	w/ Inlet Extension Pipes
AB C8007-24V-12	AB C8007-24V-22	w/ Outlet Extension Pipes
AB C8007-24V-13	AB C8007-24V-23	w/ Inlet & Outlet Extension Pipes

Table 1- The Comparison Matrix of AB C80xx-1 and AB C80xx-2

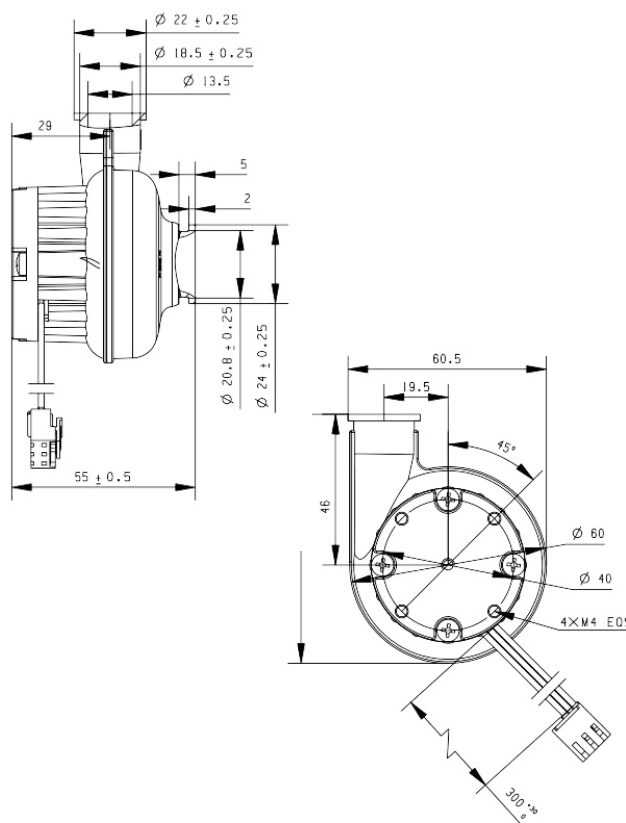
	Function/Performance Comparison	AB C8007-24V-1	AB C8007-24V-2
1	Functions	Same	
2	Performance	Same	
3	Lifetime	Same	
4	Voltage Range	Same	
5	Max.Current	Same	
6	Size	Same	
7	Mass	310g	330g
8	Work Temperature	-20°C~50°C	-30°C~50°C
9	Humidity	≤85%RH	≤95%RH
10	Acid-Resisting	No	Yes
11	Corrosion Preventive	No	Yes



## C60-1 Micro Radial BLDC Blower

### Product Feature

- Excellence performance with high static pressure and flow rate
- Low noise and vibration
- High reliability, with a long life of over 20,000 hours
- Compact design and easy to integrate
- Work environmental : -20°C~50°C, ≤85%RH

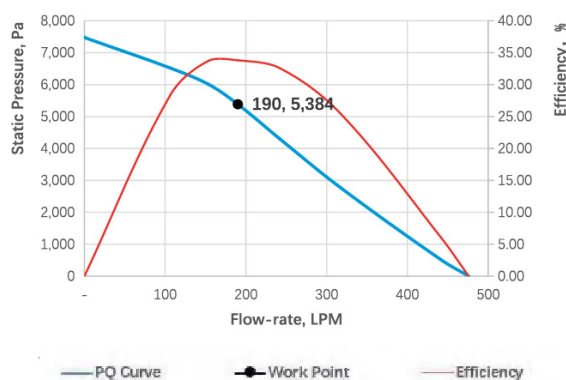


Interface Drawings 60.5×76.0×55.0 (mm)

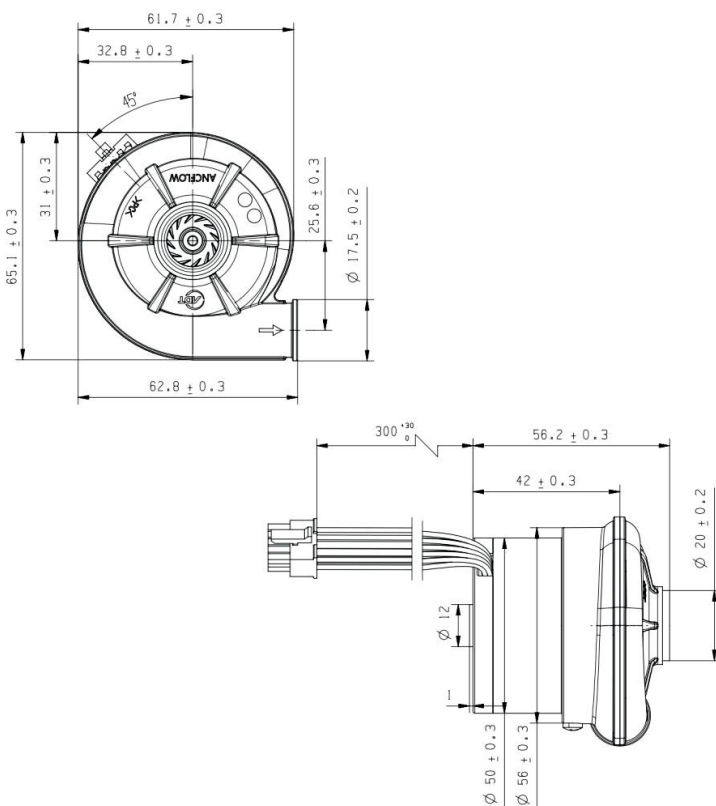
No.	Product Model	Volt.	max.Static Pressure	max. Flow Rate		Work Point			Power		w/Hall?
						Static Pressure		Flow Rate	Max.	Rated	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	Y/N
1	C6001-xxV-1-1	24	7.0	450	27.0	5.4	190	11.4	65	50	N
2	C6002-xxV-1	12 24	7.0	450	27.0	5.4	190	11.4	65	50	Y

Performance Curves

AB C6001/6002 Blower



# C65 Micro Radial BLDC Blower



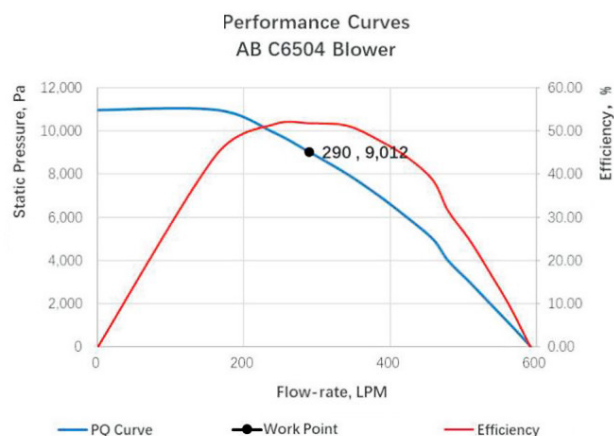
## Product Feature

- Excellence performance with high static pressure and flow rate
- Low noise and vibration
- High reliability, with a long life of over 20,000 hours
- Compact design and easy to integrate
- Work environmental : -20°C~50°C, ≤85%RH

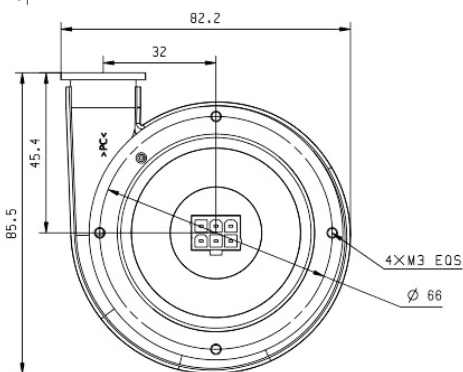
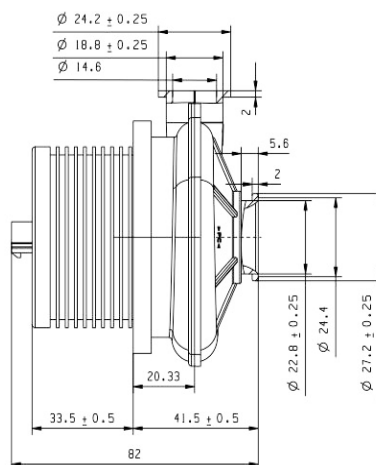
65.1×62.8×56.2 (mm) Interface Drawings

No.	Product Model	Volt.	max.Static Pressure	max. Flow Rate		Work Point			Power		w/Hall?
						Static Pressure		Flow Rate	Max.	Rated	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	
1	C6504-xxV-1	24	10.7	580	34.8	8.4	273	16.4	97	77	Y

## Performance Curves



## S80 Micro Radial BLDC Blower



Interface Drawings 82.2×85.5×82.0 (mm)

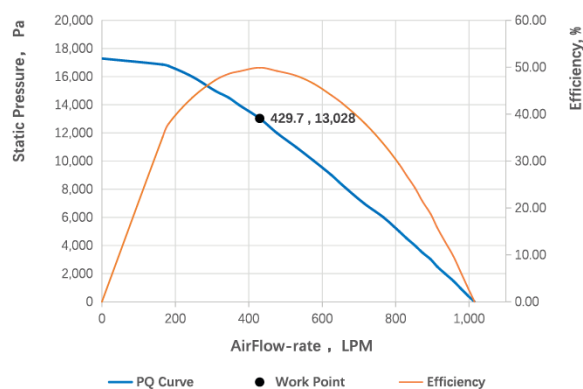
## Product Feature

- Excellence performance with high static pressure and flow rate
- Low noise and vibration
- High reliability, with a long life of over 20,000 hours
- Compact design and easy to integrate
- Work environmental : -20°C~50°C, ≤85%RH

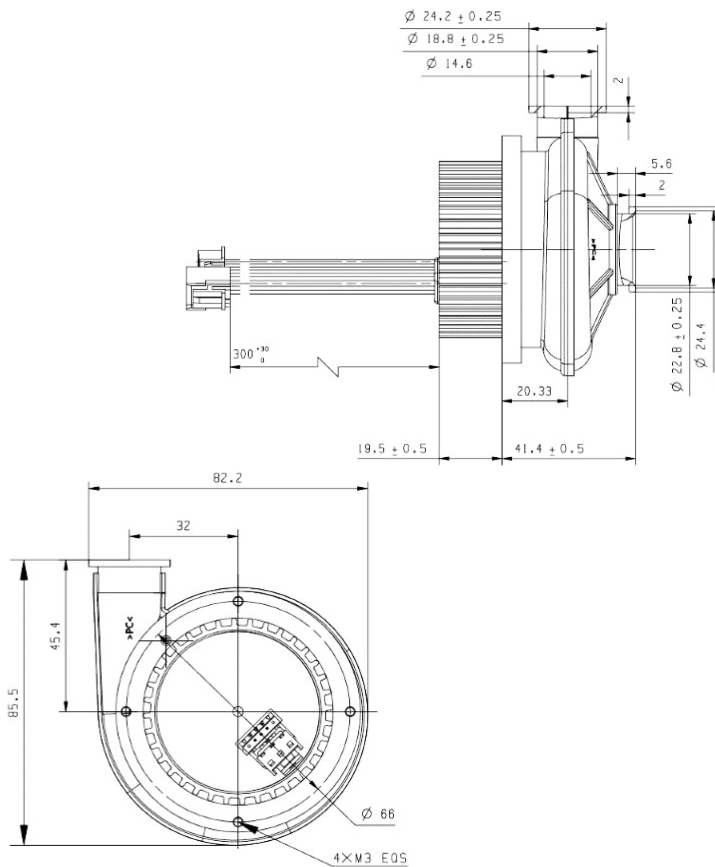
No.	Product Model	Volt.	max.Static Pressure	max. Flow Rate		Work Point			Power		w/Hall?
						Static Pressure		Flow Rate	Max.	Rated	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	
1	S8001-24V-1	24	17.0	960	57.5	13.0	430	25.8	240	187	N

### Performance Curves

AB S8001 Blower



# C80-1 Micro Radial BLDC Blower



82.2×85.5×60.9 (mm) Interface Drawings

## Product Feature

- Excellence performance with high static pressure and flow rate
- Low noise and vibration
- High reliability, with a long life of over 20,000 hours
- Compact design and easy to integrate
- Work environmental : -20°C~50°C, ≤85%RH

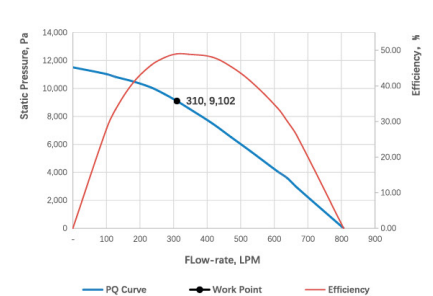
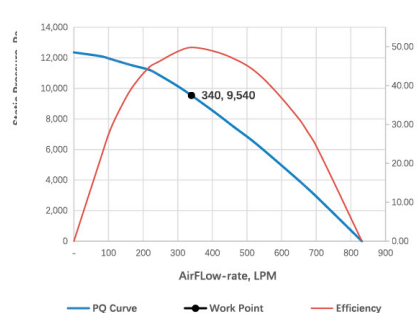
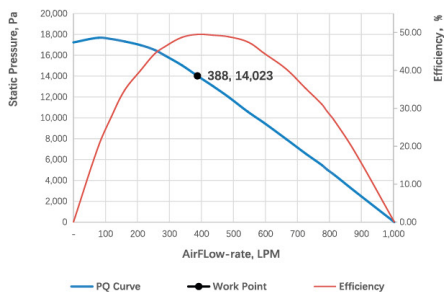
No.	Product Model	Volt.	max.Static Pressure	max. Flow Rate		Work Point			Power		w/Hall?
						Static Pressure	Flow Rate		Max.	Rated	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	
1	C8001- xxV-1	220	17.0	960	57.5	13.0	430	25.8	352	273	N
2	C8002- xxV-1	24 48	17.0	960	57.5	14.0	388	23.3	240	180	Y
3	C8010-xxV-1	24 48	12.0	832	49.9	9.5	340	20.4	145	108	Y
4	C8011-xxV-1	24	11.0	860	51.6	8.0	425	25.5	135	99	N
5	C8012-xxV-1	12 24	11.0	807	48.4	9.1	310	18.6	130	96	Y

## Performance Curves

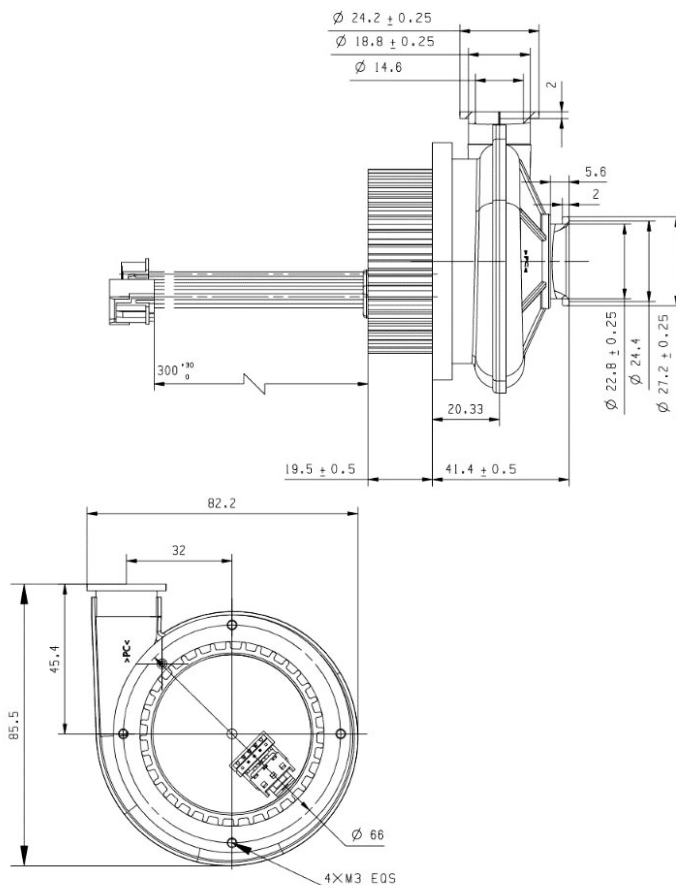
AB C8002 Blower

AB C8010 Blower

AB C8011/8012 Blower



## C80-2 Micro Radial BLDC Blower



Interface Drawings 82.2×85.5×60.9 (mm)

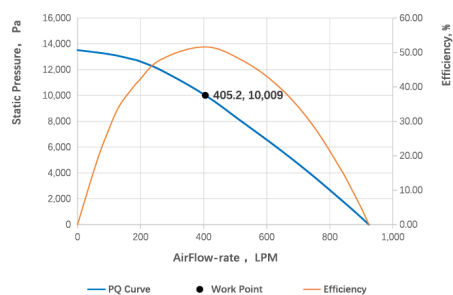
## Product Feature

- Can be used in the environment with acid, alkali and corrosive gas
- Excellence performance with high static pressure and flow rate
- High reliability, with a long life of over 20,000 hours
- Compact design and easy to integrate
- Work environmental : -20°C~50°C, ≤95%RH

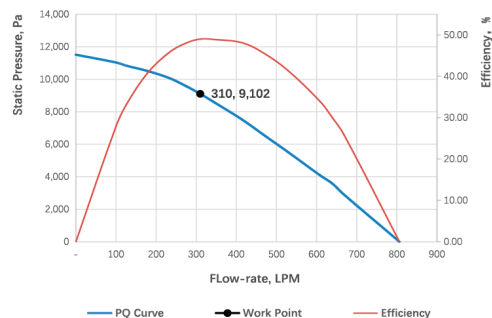
No.	Product Model	Volt.	max.Static Pressure	max. Flow Rate		Work Point			Power		w/Hall?	
						Static Pressure		Flow Rate		Max.		Rated
						kPa	LPM	m³/h	kPa	LPM		m³/h
1	C8007-xxV-2	24	13.5	887	53.2	10.0	405	24.3	170	135	N	
2	C8008-xxV-2	24 48	13.5	887	53.2	10.0	405	24.3	170	135	Y	
3	C8012-xxV-2	12 24	11.0	807	48.4	9.1	310	18.6	130	96	Y	

## Performance Curves

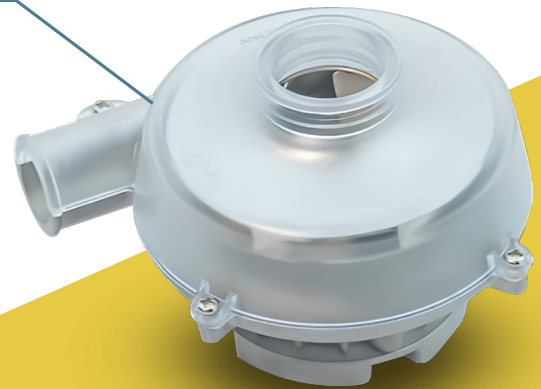
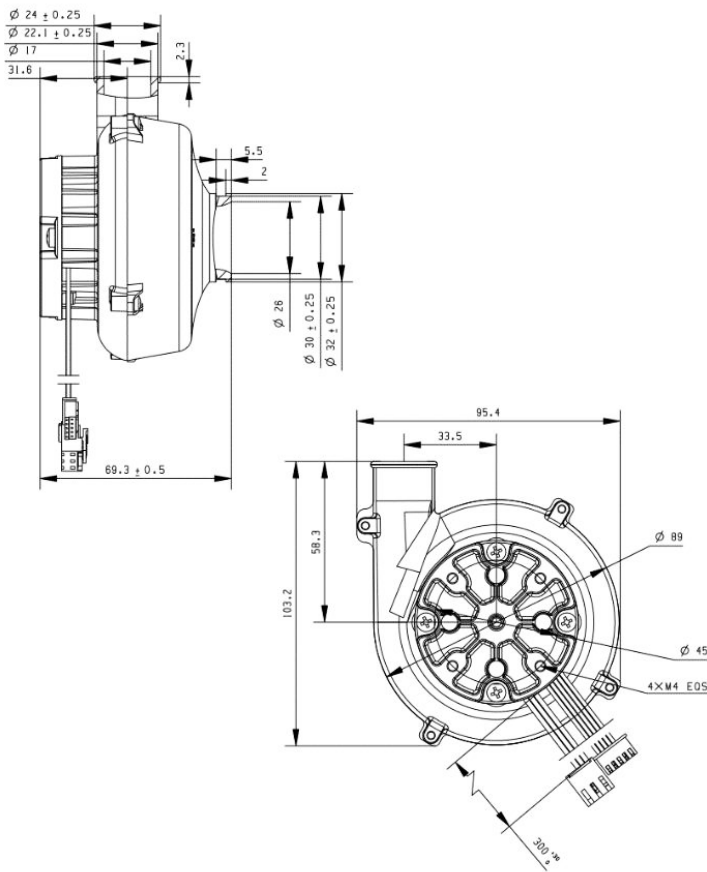
AB C8007/8008 Blower



AB C8012 Blower



# C90 Micro Radial BLDC Blower



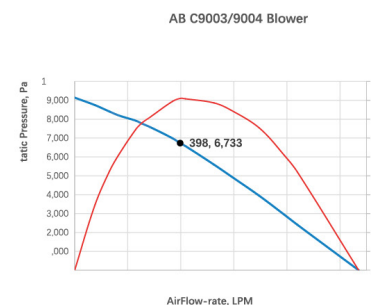
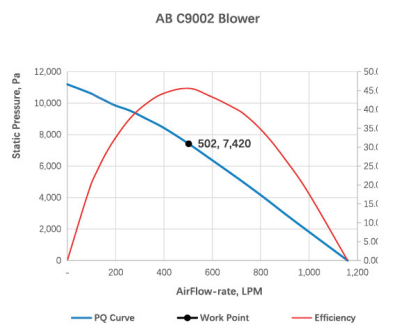
## Product Feature

- Excellence performance with high static pressure and flow rate
- High reliability, with a long life of over 20,000 hours
- Compact design and easy to integrate
- Work environmental : -20°C~50°C, ≤85%RH

95.4×103.2×69.3 (mm) Interface Drawings

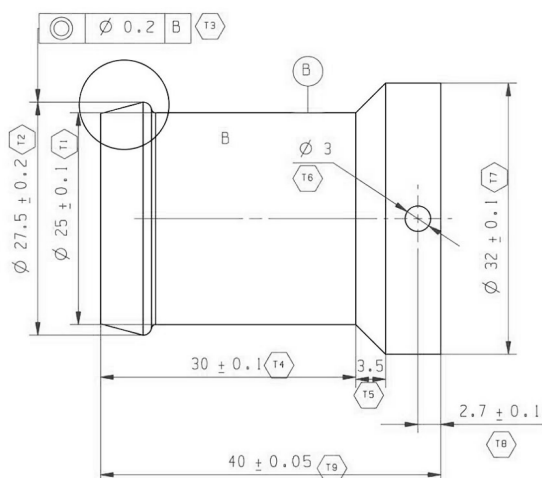
No.	Product Model	Volt.	max.Static Pressure	max. Flow Rate		Work Point			Power		w/Hall?
						Static Pressure		Flow Rate		Max.	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	Y/N
1	C9002U- xxV-1	24 48	12.0	1,190	71.4	8.0	500	30.0	190	145	Y
2	C9002- xxV-1	24 48	10.5	1,160	69.6	7.4	502	30.1	175	135	Y
3	C9003- xxV-1	24	8.5	1,070	64.2	6.7	398	23.9	135	95	N
4	C9004- xxV-1	24 48	8.5	1,070	64.2	6.7	398	23.9	135	95	Y
5	C9006- xxV-1	12 24	7.5	1,024	61.4	5.9	407	24.4	118	85	Y

## Performance Curves

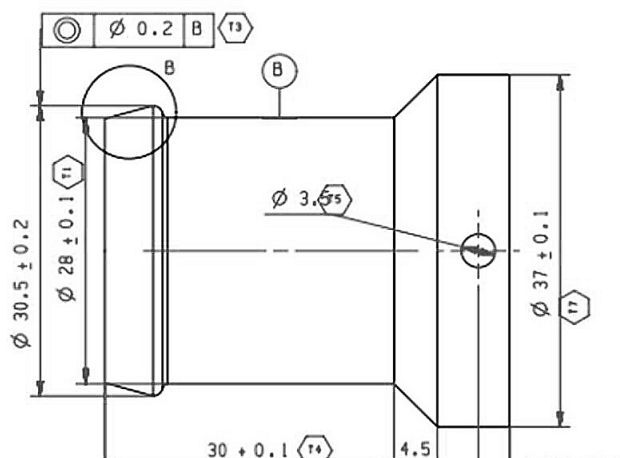


## Blower Accessories

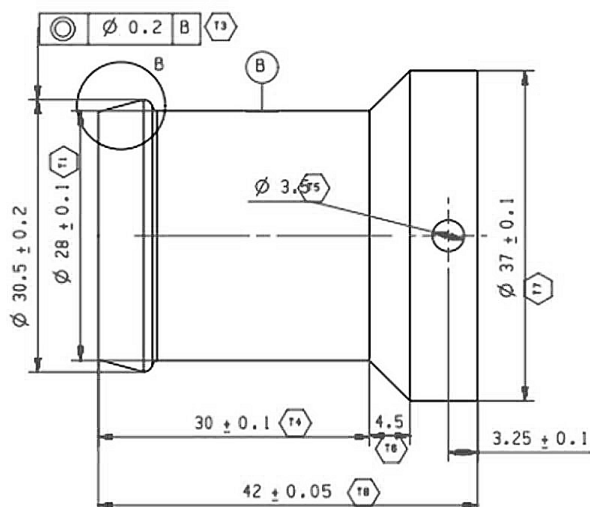
### The Drawings of Inlet/Outlet Extension Pipes



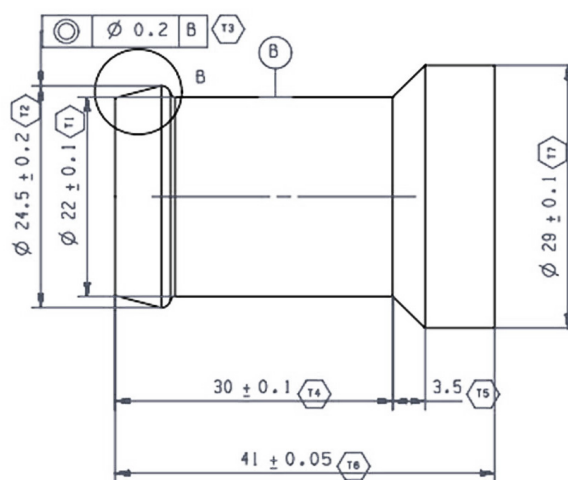
▪ Inlet Extension Pipe- S80/C80 Series



▪ Outlet Extension Pipe- S80/C80 Series



▪ Inlet Extension Pipe- C90 Series



▪ Outlet Extension Pipe- C90 Series

# Certificates

## CE Certificates



## ISO9001 CE Certificates QS Certificates



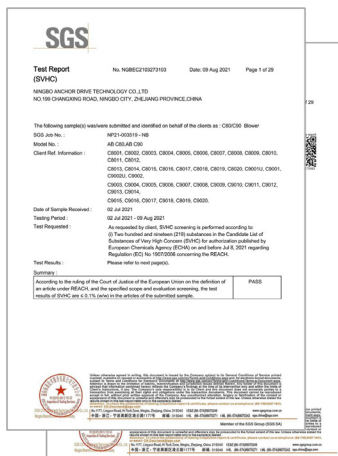
## RoHS Certificates

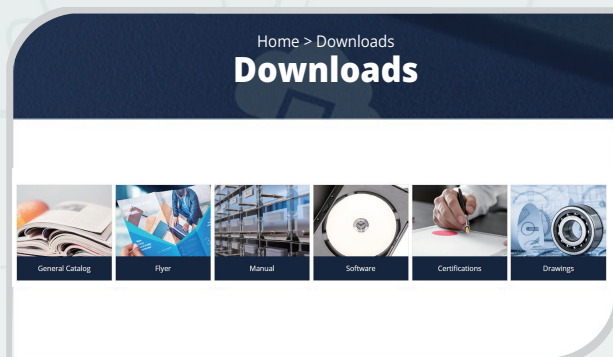
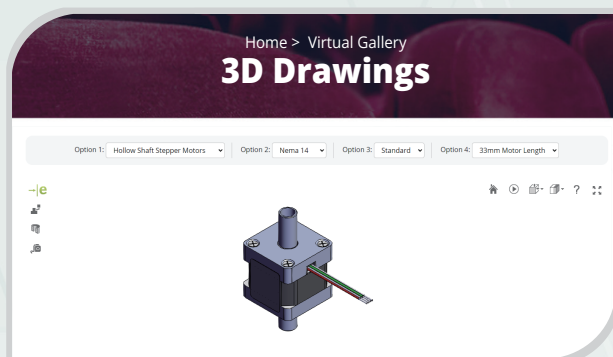
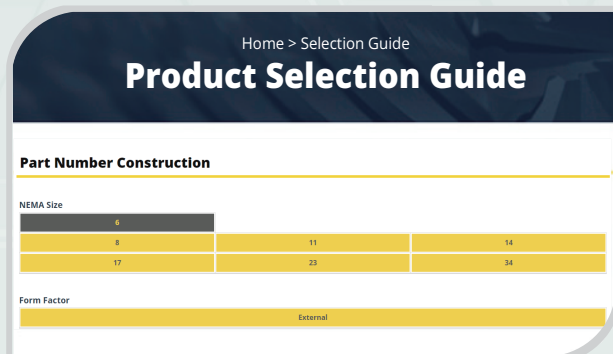
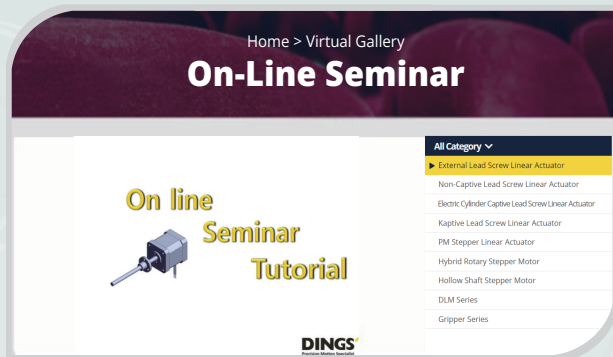


## ISO 10993 Test Report



## REACH Certificates





# DINGS

## Precision Motion Specialist

### Headquarter , CHINA

Jiangsu DINGS' Intelligent Control Technology Co., LTD

Building 1#, 355 Longjin Road, Changzhou Economic Development Zone, Jiangsu, China

Phone : +86-519-85177825

Fax : +86-519-85177807

E-mail : info@dingsmotion.com

www.dingsmotion.com

### Shenzhen Office

Room 1105, Block C, CIMC industry demonstration park, Qiaoming Road, Guangming district, Shenzhen City

E-mail : info@dingsmotion.com

### International Office

#### DINGS' Motion USA

355 Cochrane Circle Morgan Hill, CA 95037

Phone : +1-408-612-4970

E-mail : sales@dingsmotionusa.com

www.dingsmotionusa.com

#### DINGS' JAPAN

101, 2-27-18, Nishi-kojiya, Ota-ku, Tokyo 144-0034 JAPAN

Phone : +81-90-7730-0034

E-mail : tsukahara@dingsmotion.com



Floor 1&2, Building 5, No.1 Zidan Road, Nanjing, Jiangsu, China 210002

Phone : +86 139 6834 9384

E-mail : carlyying@anchor-drive.com

www.anchor-drive.com



C-702, 158, Haneulmaeul-ro, Ilsandong-gu, Goyang-si, Gyeonggi-do, Republic of Korea

Phone : 031-994-0755

E-mail : daniel@dingsmotion.com

DINGS' KOREA CO., Ltd.  
ADT Official Distributor In Korea

www.dingsmotion.kr