DINGS

Precision Motion Specialist

MICRO RADIAL BLDC BLOWER

PRODUCT CATALOG

Jiangsu DINGS' Intelligent Control Technology Co., Ltd.







dingsmotion.com



Founded in 2008, Jiangsu DINGS' Intelligent Control Technology Co., Ltd. is guided by the philosophy, **"Quality stems from responsibility, and details determine success."**

As a global leader in precision linear motion, DINGS' delivers a comprehensive portfolio of precision stepper, DC and BLDC motors, voice coil motors, lead and ball screw linear actuators, PMSM motors for eco-mobility, and advanced motion controllers — setting new benchmarks in the global motion control market.

SCALE

300+	Advanced Machining Equipment	
40+	Automated Assembly Lines	
100+	Precision Testing & Analysis Systems	
140+	Patents & Intellectual Properties	

GROWTH

2008	Company Founded & DINGS' Brand Established
2010	DINGS' Motion USA Established
2016	DINGS' Korea Established
2019	Joined LEILI Group
2021	Changzhou Intelligent Manufacturing Plant Established Listed on China NEEQ Market
2022	Korea R&D Center Established
2023	Listed on Beijing Stock Exchange [Stock Code: 920593] DINGS' Korea Converted to Corporate Entity DINGS' Japan Established
2024	New Headquarters & Plant Established DINGS' Motion Europe Established
2025	Thailand Manufacturing Facility Established
2026	DINGS' Motion Europe Austria Branch Established

CERTIFICATIONS

- ISO 9001 — Quality
- ISO 14001 — Environmental
- ISO 45001 — Health & Safety
- ISO 13485 — Medical Device Quality
- ISO/IEC 17025 — Laboratory Accreditation
- IATF16949 — Automotive Quality
- IPMS — Intellectual Property
- CE — Safety Standards
- RoHS Compliant — Environmental Standards - RoHS
- REACH NPS — Environmental Standards - REACH

PRODUCT WARRANTY

Warranty period: 1 year from shipment.

Free repair is provided for defects in materials or workmanship under normal use.

Warranty does not apply to:

- Warranty expiration or damaged/lost nameplates
- Improper installation or operating conditions
- Unauthorized disassembly or modification
- Repairs conducted outside of official service channels
- Force majeure, including natural disasters

DINGS' is committed to quality, reliability, and responsibility
— delivering high-performance motion solutions built on precision engineering.

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Applications & Typical Use Cases

Key Application Areas

Medical & Healthcare



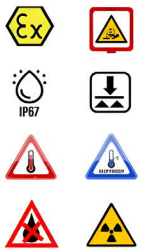
Hydrogen Fuel Cell Systems



Industrial Automation Testing & Monitoring Equipment



Applications for Special Operating Environments

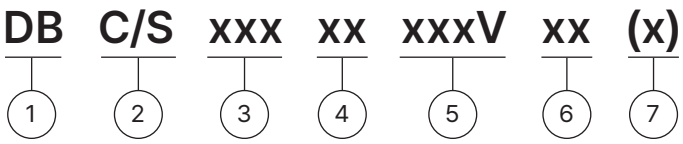


Typical Applications

Medical & Healthcare	Industrial Automation	Hydrogen Fuel Cell
Medical ventilators	Automated test and inspection equipment	Hydrogen-powered two-wheelers
Home ventilators	Process monitoring systems	Hydrogen-powered drones
CPAP / BiPAP devices	Precision motion control equipment	Hydrogen-powered logistics vehicles
Veterinary ventilators	Other industrial automation equipment	Hydrogen-based CHP systems
Cough assist devices		Hydrogen power systems for telecom towers
Anesthesia machines		Hydrogen-powered AGVs
Anti-decubitus mattresses		Hydrogen-powered forklifts
Medical bathing equipment		Hydrogen-powered vessels
Medical sterilization equipment		Hydrogen-powered vehicles
Oxygen concentrators		Hydrogen-based energy storage systems
Other medical and healthcare equipment		Other hydrogen energy applications

Product Model Configuration & Specification Guide

How to Configure the Product Model



① Product Category
- D = DINGS'
- B = Blower

② Drive Type
- C = External Driver
- S = Integrated Driver

③ Blower Series Code
- 80, 90, 100, etc.

④ Specification Code
- 01 ~ 99

⑤ Voltage
- 12V, 24V, 48V, 220V, etc.

⑥ Model Configuration
- 1 = Standard model
  - 11 = With inlet extension pipe
  - 12 = With outlet extension pipe
  - 13 = With inlet/outlet extension pipe
- 2, 3, 4 ... = Derivative models

⑦ Custom Code
- 1, 2, 3 = Custom specification code
  (Leave blank for standard specifications)

Examples

DB C8007-24V-1	DB C8007-24V-2	Standard model
DB C8007-24V-11	DB C8007-24V-21	With inlet extension pipe
DB C8007-24V-12	DB C8007-24V-22	With outlet extension pipe
DB C8007-24V-13	DB C8007-24V-23	With inlet/outlet extension pipe

C80xx-1 / C80xx-2 Comparison Table

	Item	DB C8007-24V-1	DB C8007-24V-2
1	Function	Same	
2	Performance	Same	
3	Lifetime	Same	
4	Voltage Range	Same	
5	Max Current	Same	
6	Dimensions	Same	
7	Weight	310 g	330 g
8	Operating Temperature	-20°C ~ 50°C	-30°C ~ 50°C
9	Humidity	≤85% RH	≤95% RH
10	Acid Resistance	None	Yes
11	Corrosion Protection	None	Yes

Product Name

C50 Micro Radial Blower

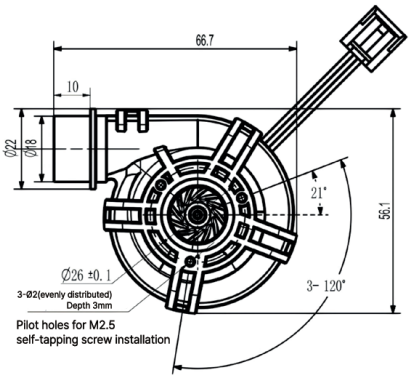
- High performance with high static pressure and airflow
- Low noise and low vibration design
- High reliability with a long service life of over 20,000 hours
- Compact design for easy system integration
- Operating conditions: -20°C to 50°C, ≤85% RH

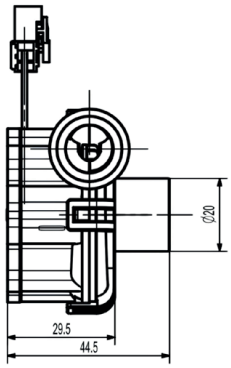


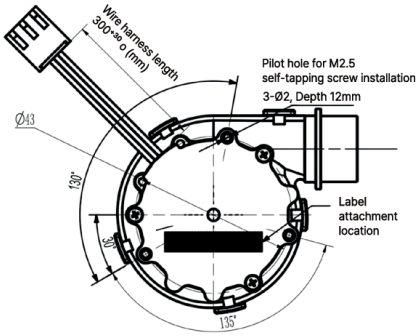
C50 Series Blower

No.	Product Model	Voltage	Max Static Pressure	Max Airflow		Operating Point			Power		With Hall Sensor
						Static Pressure	Airflow		Max	Rated	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	Y/N
1	C5001-24V-1	24	4.1	275	16.5	3.5	130	7.8	24	19	N

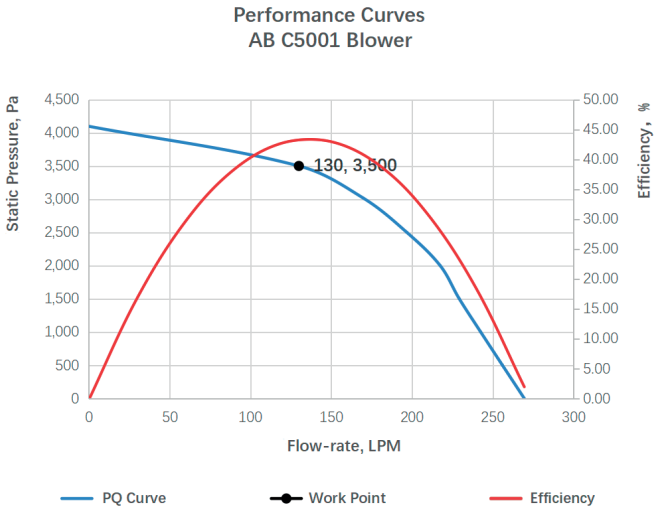
Dimensions : 66.7×56.1×44.5 mm







Performance Curves



Product Name

C60 Micro Radial Blower

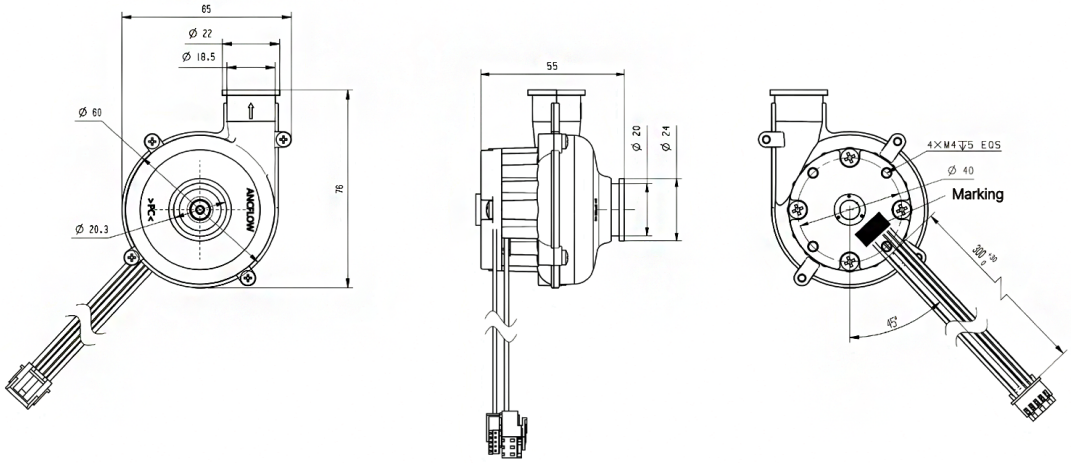
- High performance with high static pressure and airflow
- Low noise and low vibration design
- High reliability with a long service life of over 20,000 hours
- Compact design for easy system integration
- Operating conditions: -20°C to 50°C, ≤85% RH



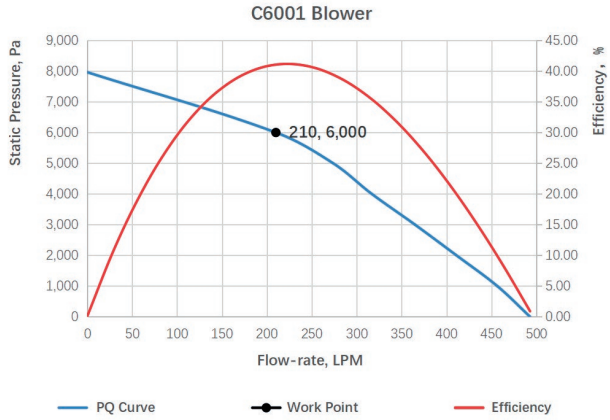
C60 Series Blower

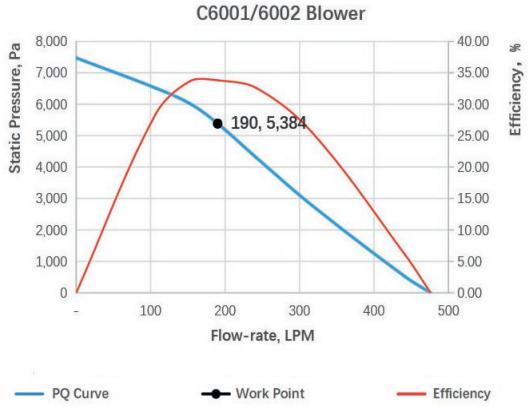
No.	Product Model	Voltage	Max Static Pressure	Max Airflow		Operating Point			Power		With Hall Sensor
						Static Pressure	Airflow		Max	Rated	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	Y/N
1	C6001-xxV-L	24 / 48	8	480	28.8	6	210	12.6	74	60	N
2	C6002-xxV-L	12 / 24	7	450	27	5.4	190	11.4	65	50	Y

Dimensions : 60.5×76.0×55.0 mm



Performance Curves





Product Name

C65 Micro Radial Blower

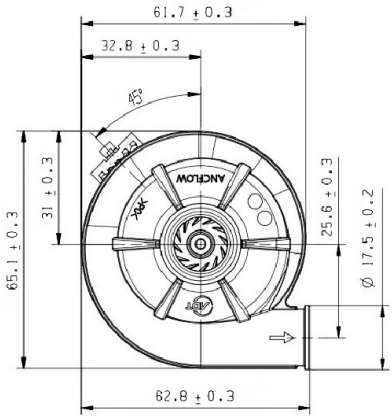
- High performance with high static pressure and airflow
- Low noise and low vibration design
- High reliability with a long service life of over 20,000 hours
- Compact design for easy system integration
- Operating conditions: -20°C to 50°C, ≤85% RH

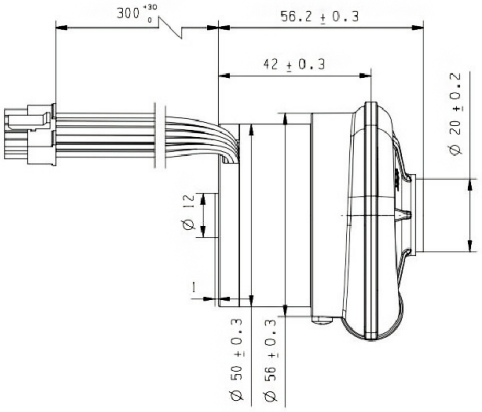


C65 Series Blower

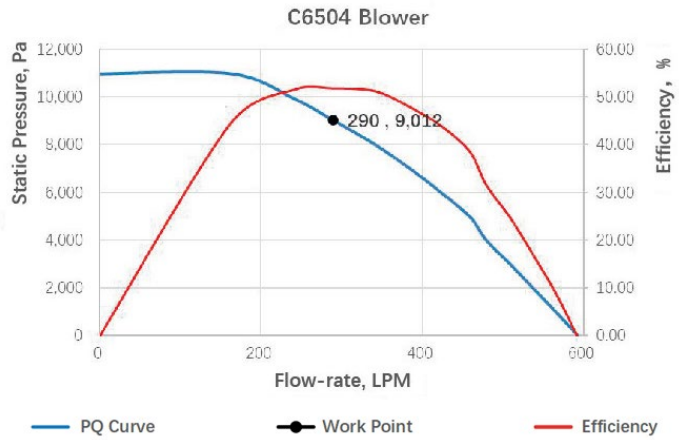
No.	Product Model	Voltage	Max Static Pressure	Max Airflow		Operating Point			Power		With Hall Sensor
						Static Pressure	Airflow		Max	Rated	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	Y/N
1	C6504-xxV-1	24	10.7	580	34.8	8.4	273	16.4	97	77	Y

Dimensions : 65.1×62.8×56.2 mm





Performance Curves



Product Name

C68 Micro Radial Blower

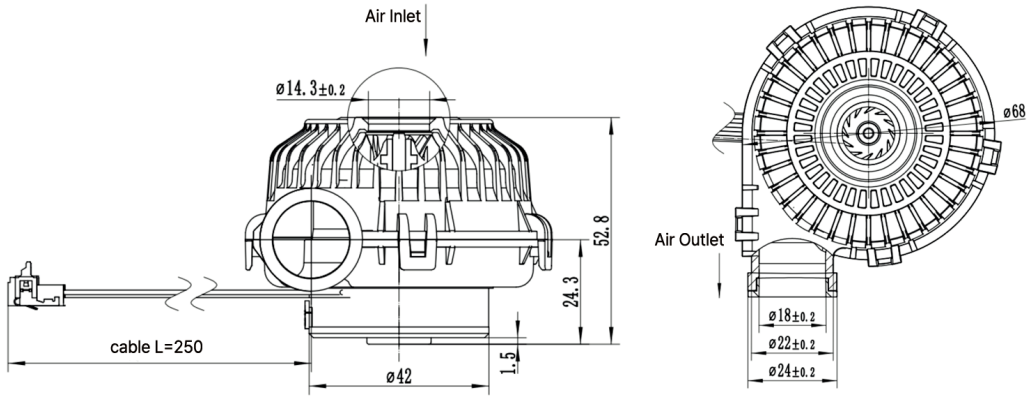
- High performance with high static pressure and airflow
- Low noise and low vibration design
- High reliability with a long service life of over 50,000 hours
- Compact design for easy system integration
- Operating conditions: -20°C to 50°C, ≤85% RH



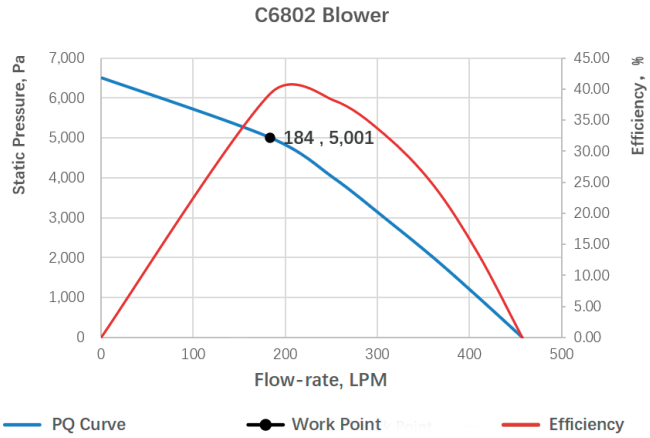
C68 Series Blower

No.	Product Model	Voltage	Max Static Pressure	Max Airflow		Operating Point			Rated power	With Hall Sensor	NTC Sensor
						Static Pressure	Airflow				
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	Y/N	Y/N
1	C6802-24V-1	24	6.5	450	27	5	183	10.9	54	Y	Y

Dimensions : 78.0×68.0×53.0 mm

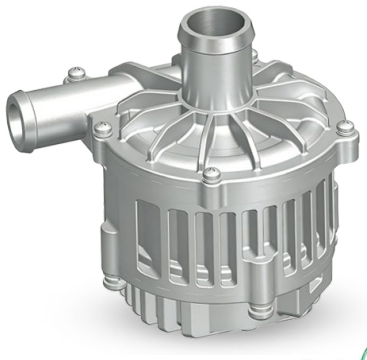


Performance Curves



Product Name

C75 Micro Radial Blower

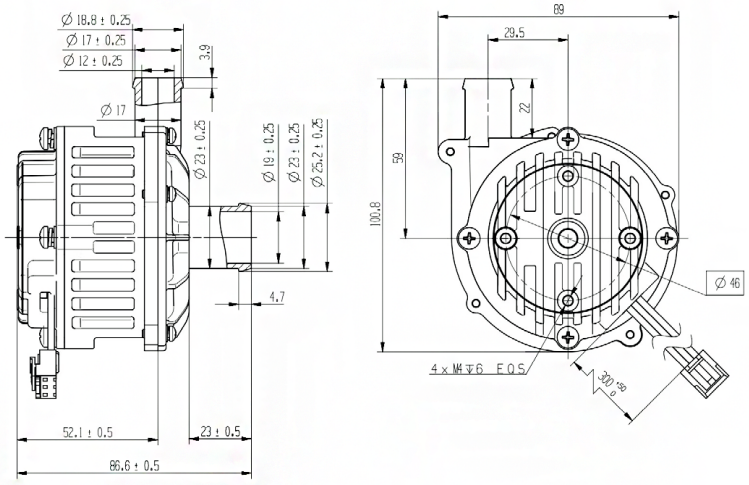


- High performance with high static pressure and airflow
- Low noise and low vibration design
- High reliability with a long service life of over 20,000 hours
- Compact design for easy system integration
- Operating conditions: -20°C to 50°C, ≤85% RH

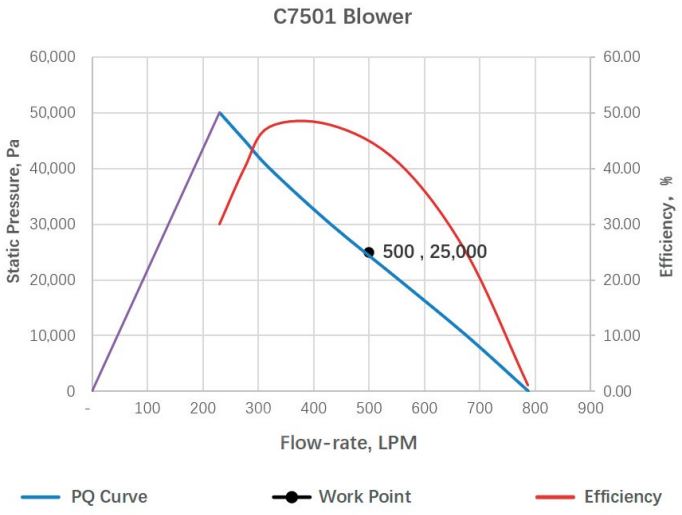
C75 Series Blower

No.	Product Model	Voltage	Max Static Pressure	Max Airflow		Operating Point			Power		With Hall Sensor
						Static Pressure	Airflow		Max	Rated	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	Y/N
1	C7501-48V-1	48	50	790	47.4	25	500	30	450	450	Y

Dimensions : 101.0×85.9×86.6 mm



Performance Curves



Product Name

C80-1 Micro Radial Blower

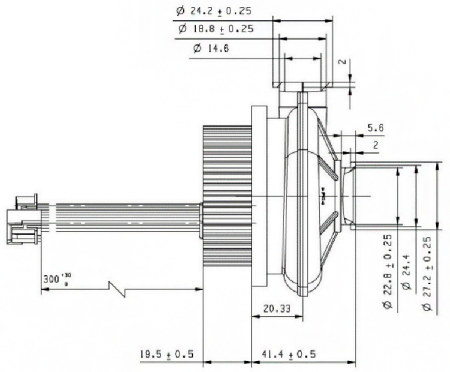
- High performance with high static pressure and airflow
- Low noise and low vibration design
- High reliability with a long service life of over 20,000 hours
- Compact design for easy system integration
- Operating conditions: -20°C to 50°C, ≤85% RH

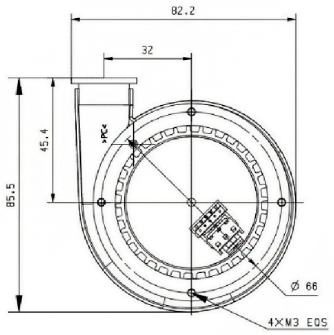


C80-1 Series Blower

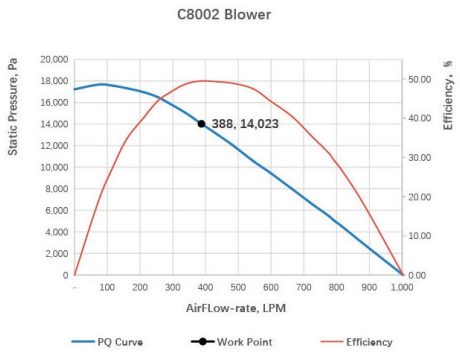
No.	Product Model	Voltage	Max Static Pressure	Max Airflow		Operating Point			Power		With Hall Sensor
						Static Pressure	Airflow		Max	Rated	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	Y/N
1	C8001-xxV-1	220	17	960	57.5	12	430	25.8	197	151	N
2	C8002-xxV-1	24 / 48	17	960	57.5	12	388	23.3	197	151	Y
3	C8010-xxV-1	24 / 48	12	832	49.9	9.5	340	20.4	145	108	Y
4	C8011-xxV-1	24	11	860	51.6	8	425	25.5	135	99	N
5	C8012-xxV-1	12 / 24	11	807	48.4	9.1	310	18.6	130	96	Y

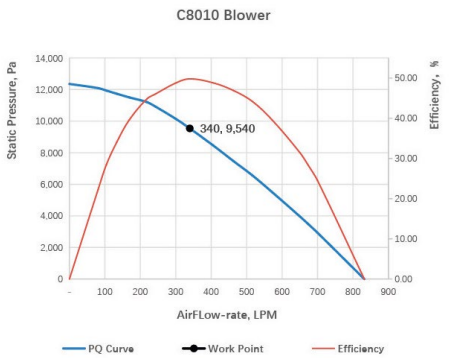
Dimensions : 82.2×85.5×60.9 mm

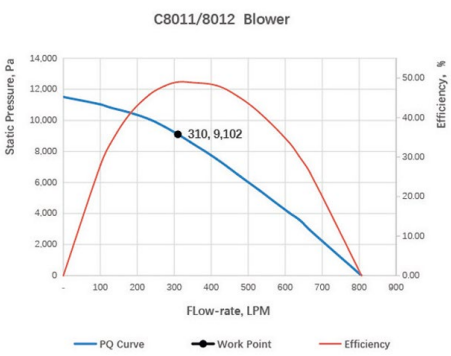




Performance Curves







Product Name

C80-2 Micro Radial Blower

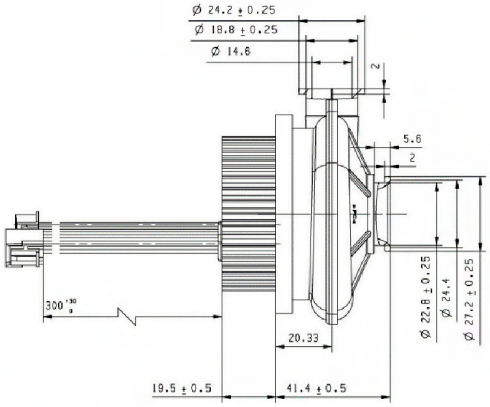
- High performance with high static pressure and airflow
- Suitable for use in acidic, alkaline, and corrosive gas environments
- High reliability with a long service life of over 20,000 hours
- Compact design for easy system integration
- Operating conditions: -20°C to 50°C, ≤85% RH

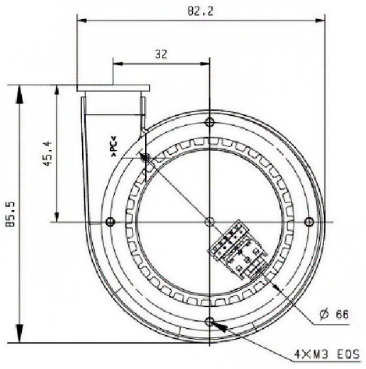


C80-2 Series Blower

No.	Product Model	Voltage	Max Static Pressure	Max Airflow		Operating Point			Power		With Hall Sensor
						Static Pressure	Airflow		Max	Rated	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	Y/N
1	C8007-xxV-2	24	13.5	887	53.2	10	405	24.3	170	135	N
2	C8008-xxV-2	24 / 48	13.5	887	53.2	10	405	24.3	170	135	Y
3	C8012-xxV-2	12 / 24	11	807	48.4	9.1	310	18.6	130	96	Y

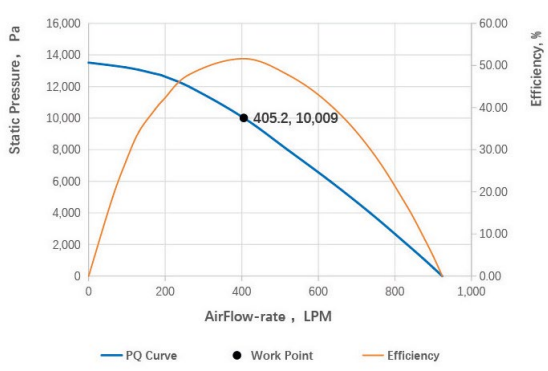
Dimensions : 82.2×85.5×60.9 mm



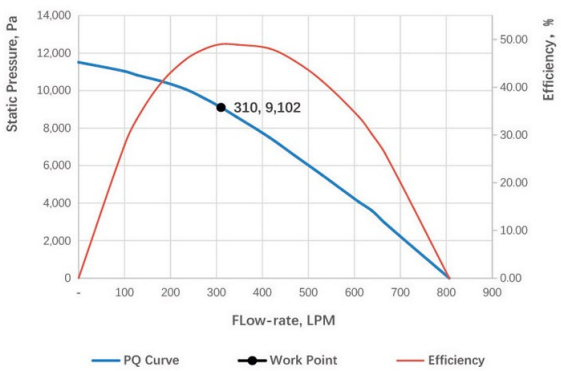


Performance Curves

C8007/8008 Blower



C8012 Blower



Product Name

C90 Micro Radial Blower

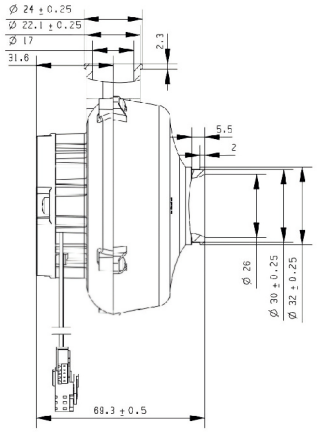
- High performance with high static pressure and airflow
- High reliability with a long service life of over 20,000 hours
- Compact design for easy system integration
- Operating conditions: -20°C to 50°C, ≤85% RH

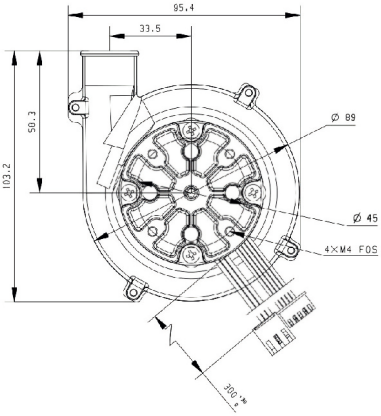


C90 Series Blower

No.	Product Model	Voltage	Max Static Pressure	Max Airflow		Operating Point			Power		With Hall Sensor
						Static Pressure	Airflow		Max	Rated	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	Y/N
1	C9002U-xxV-1	48	12	1190	71.4	8	500	30	190	145	Y
2	C9006-xxV-1	12	7.5	1024	61.4	5.9	407	24.4	118	85	Y

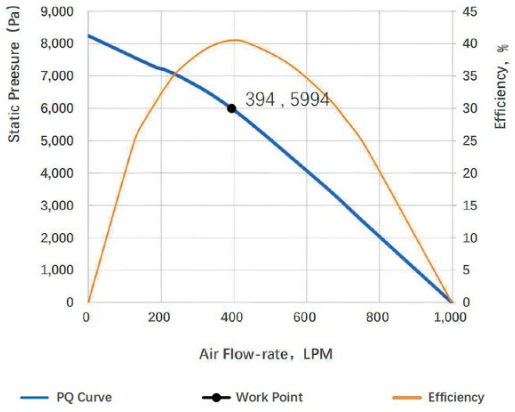
Dimensions : 95.4×103.2×69.3 mm



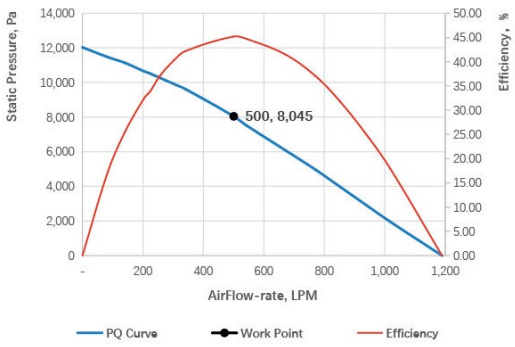


Performance Curves

C9006-12V-1



C9002U Blower



Product Name

C90-L Micro Radial Blower

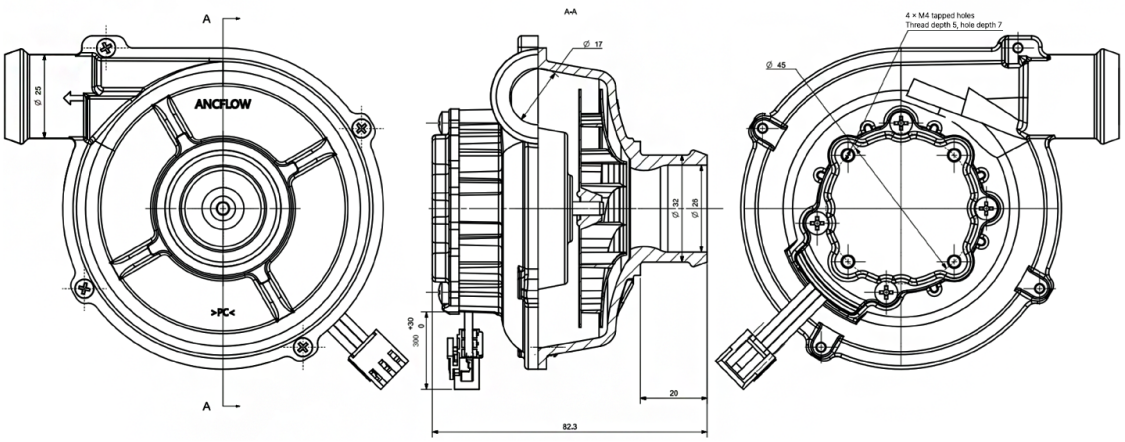
- High performance with high static pressure and airflow
- Low noise and low vibration design
- High reliability with a long service life of over 20,000 hours
- Compact design for easy system integration
- Operating conditions: -20°C to 50°C, ≤85% RH



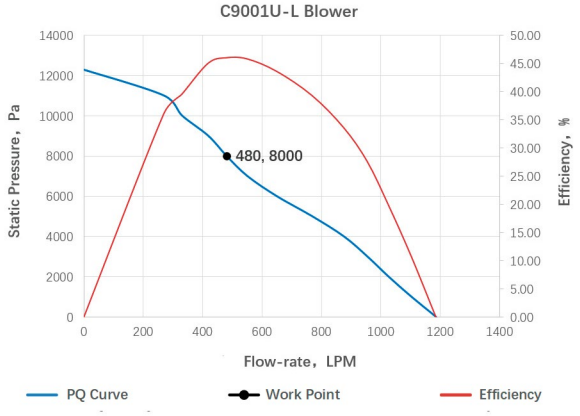
C90-L Series Blower

No.	Product Model	Voltage	Max Static Pressure	Max Airflow		Operating Point			Power		With Hall Sensor
						Static Pressure	Airflow		Max	Rated	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	Y/N
1	C9001U-24V-L	24	12	1190	71.4	8	480	28.8	180	140	N
2	C9002U-24V-L	24	12	1190	71.4	8	480	28.8	180	140	Y

Dimensions : 113.0×99.0×82.0 mm



Performance Curves



Product Name

C100 Micro Radial Blower

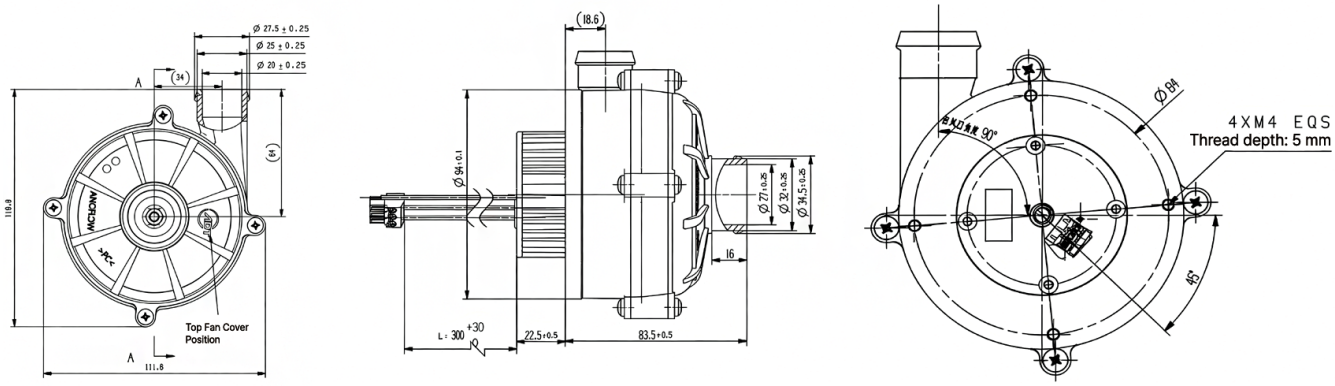
- High performance with high static pressure and airflow
- Low noise and low vibration design
- High reliability with a long service life of over 15,000 hours
- Compact design for easy system integration
- Operating conditions: -20°C to 50°C, ≤85% RH



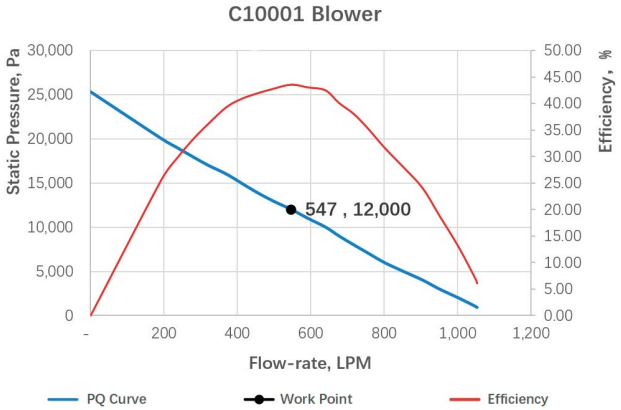
C100 Series Blower

No.	Product Model	Voltage	Max Static Press	Max negative Press	Max Airflow		Operating Point			Power		With Hall Sensor
							Static Pressure	Airflow		Max	Rated	
		V	kPa	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	Y/N
1	C10001-48V-1	48	25	24	1050	63	12	547	33	260	251	N

Dimensions : 120.0×112.0×106.0 mm



Performance Curves



Product Name

S80 Micro Radial Blower

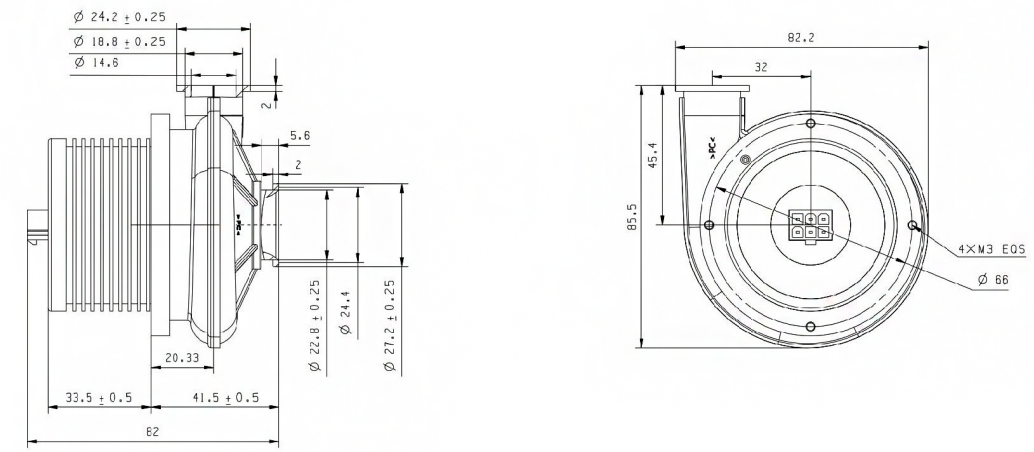
- High performance with high static pressure and airflow
- Low noise and low vibration design
- High reliability with a long service life of over 20,000 hours
- Compact design with integrated motor driver
- Operating conditions: -20°C to 50°C, ≤85% RH



S80 Series Blower

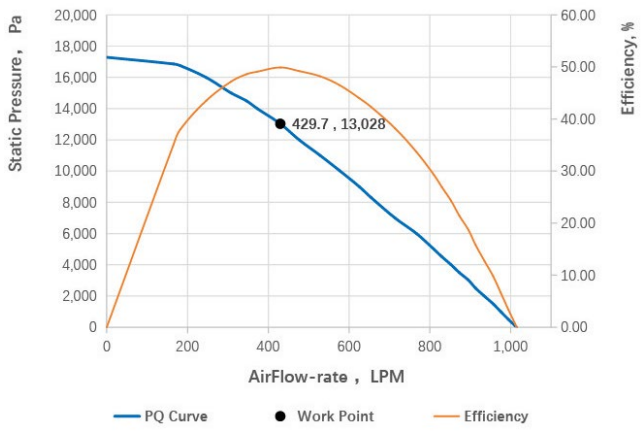
No.	Product Model	Voltage	Max Static Pressure	Max Airflow		Operating Point			Power		With Hall Sensor
						Static Pressure	Airflow		Max	Rated	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	Y/N
1	S8001-24V-1	24	17	960	57.5	13	430	25.8	240	187	N

Dimensions : 82.2×85.5×82.0 mm



Performance Curves

S8001 Blower



Product Name

S85 Automotive-Grade Radial Blower

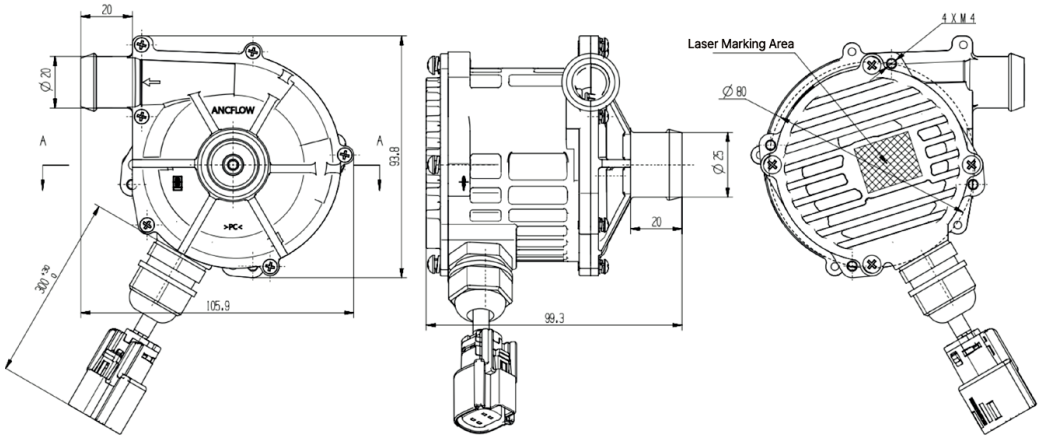


- High performance with high static pressure and airflow
- Low noise and low vibration design
- High reliability with a long service life of over 20,000 hours
- Compact design for easy system integration
- Operating conditions: -40°C ~ 85°C, ≤85% RH
- IP67 protection rating

S85 Series Blower

No.	Product Model	Voltage	Max Static Pressure	Max Airflow		Operating Point			Power		With Hall Sensor
						Static Pressure	Airflow		Max	Rated	
		V	kPa	LPM	m³/h	kPa	LPM	m³/h	W	W	Y/N
1	S8501-12V-1	12	17	910	54.6	12	450	27	200	200	N

Dimensions : 105.9×93.8×98.3 mm



Performance Curves



Product Name

S145 BLDC Through-Flow Blower

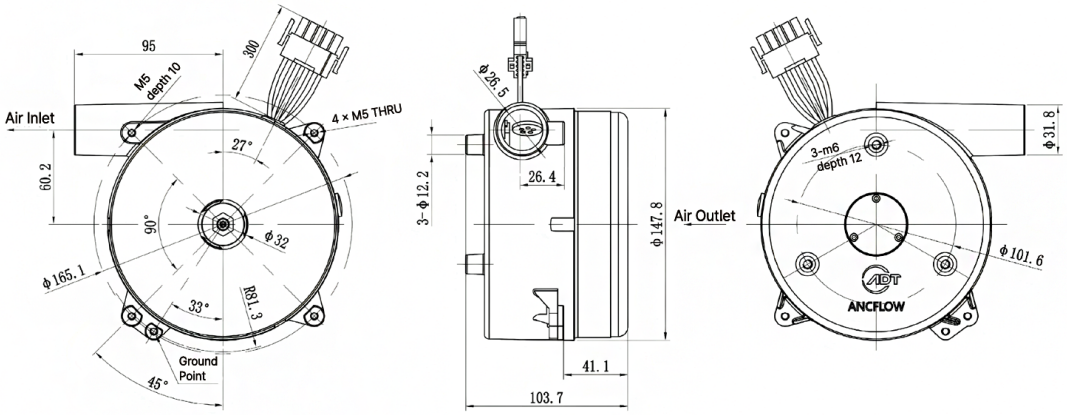


- High performance with high static pressure and airflow
- Low noise and low vibration design
- High efficiency and energy saving with an eco-friendly and compact design
- High safety and long service life with speed controllability.
- Operating conditions: -20°C to 50°C,
  Free from acidic, alkaline, and corrosive gases or liquids.

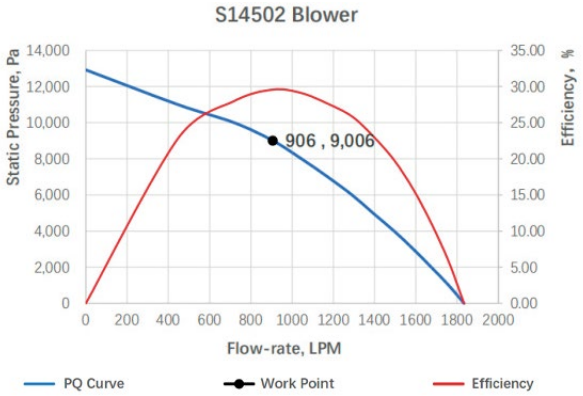
S145 Series Blower

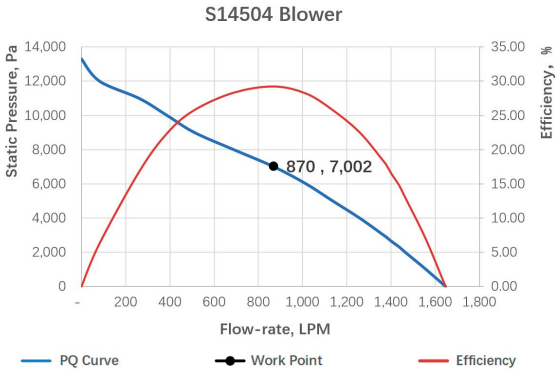
No.	Product Model	Voltage	Frequency	Max Static Pressure	Max Airflow		Rated Power	Max Airflow Speed	Speed Control	Weight
		V	Hz	kPa	LPM	m³/h	W	rpm	VDC	kg
1	S14504-120V-1	120	60	13.2	1663	99.8	438	12800	0-10	1.9
2	S14502-220V-1	220	50/60	12.9	1850	111	510	14100	0-10	1.9

Dimensions : 147.8×165.1×103.7 mm



Performance Curves





Certificates

• CE Certificate



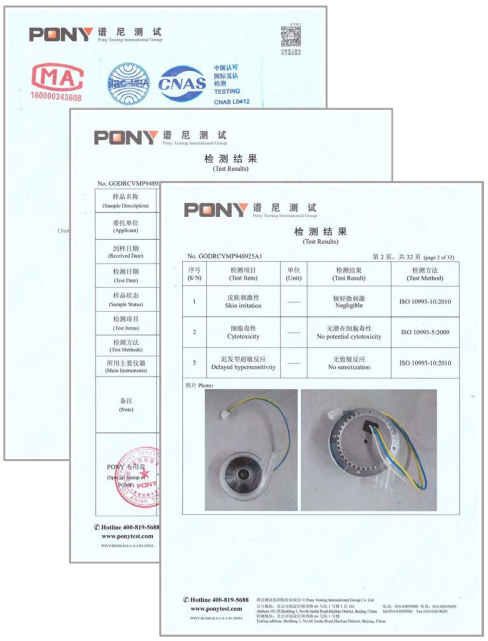
• ISO 9001 Quality Certificate



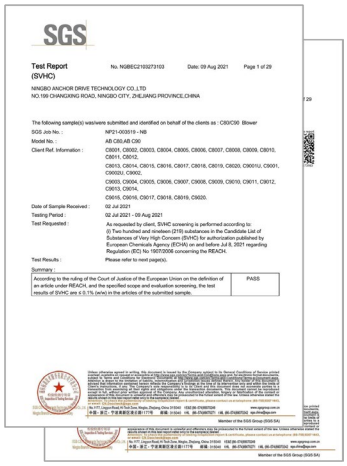
• RoHS Certificate



• ISO 10993 Test Report



• REACH Certificate



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Precision Motion Specialist

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