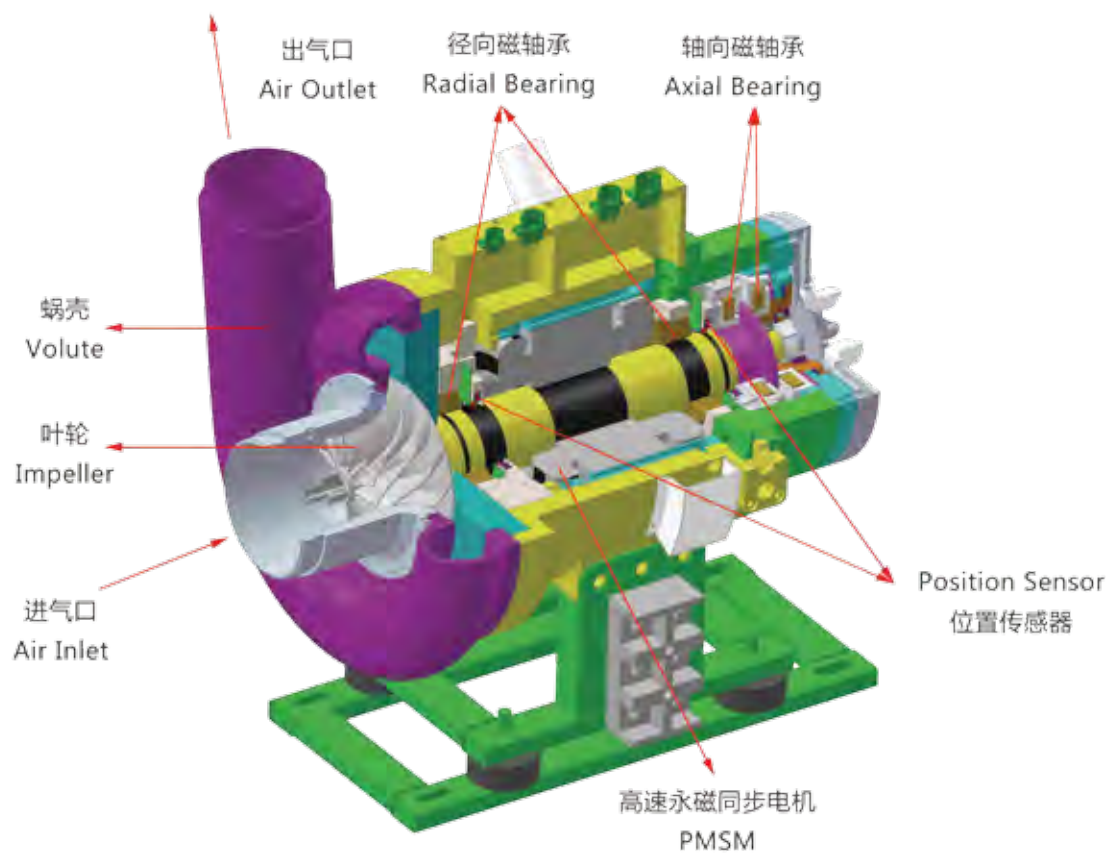


Core Structure



Complete machine structure



control panel



Core blower



Inlet air filter



VFD



UPS



Magnetic bearing controller

Core components



Active Magnetic Levitation Bearings

Utilizes controllable electromagnetic force to provide contactless, wear-free levitation support for the blower rotor shaft. It is characterized by no mechanical wear, low noise and no lubrication.



Fluid dynamics impeller

The centrifugal impeller made of high-strength aluminum alloy by 5-axis precision machine tool integrated machining using the three-dimensional flow design method maximizes the efficiency of the centrifugal impeller and improves the life of the impeller at the same time.



Magnetic Bearing Controller

Digital signal processor: 5-axis displacement control, 10-axis current control, calculation speed 1000M per second, time frequency 200MHz. analog-to-digital converter (A/D): 20-channel, 16-bit; digital-to-analog converter (D/A): 4-channel, 12-bit.



High-speed permanent magnet motor

Adopting compact stator and filling type permanent magnet rotor structure. Characterized by high operating speed, high efficiency and long life.



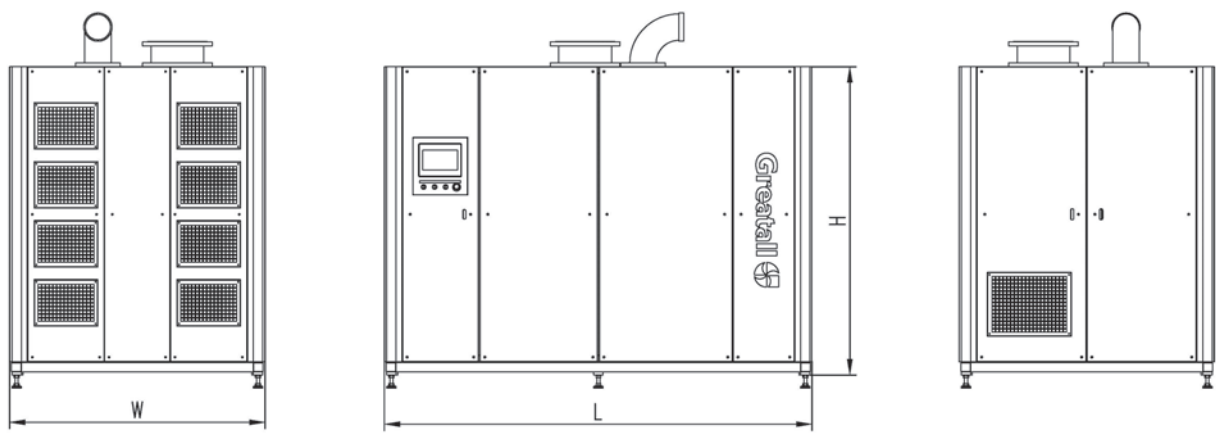
Position Sensor

Inductive sensor, can monitor X, Y, Z three directions at the same time, the inductive sensor sends out 5~100KHz AC signal to the sensor probe to monitor the inductance value to the position offset under different positions.

Product Series

机 型	MB37	MB55	MB75	MB90	MB110	MB160	MB200	MB260	MB315	MB355	MB400
额定功率(kW)	37	55	75	90	110	160	200	260	315	355	400
压力 (bar)	风量 (m ³ /min) : 1atm, 20°C, 65%RH, 密度=1.2kg/m ³ , 偏差=±5%										
0.4	47	70	100	115	130	218	255	314	367	410	459
0.6	34	51	69	82	105	152	174	248	291	307	382
0.8	28	42	55	70	84	119	147	194	231	259	291
1.0	21	34	45	55	65	95	113	157	184	200	237
1.2	18	28	38	47	57	82	101	133	155	178	207

Overall dimensions



Overall dimensions	L (mm)	W (mm)	H (mm)
MB037/MB055/MB075	1500	1300	1500
MB090/MB110/MB160	2460	1630	1700
MB200/MB260/MB315	2750	1630	1960
MB355/MB400	2750	1950	2200

* The above data is the standard machine size, specific projects according to the actual parameters, configuration requirements, machine size slightly different.