

Magnetic Levitation Centrifugal Blower

Product Series	KAB-30PMD KAB-50PMD KAB-75PMD KAB-100PMD KAB-125PMD KAB-150PMD KAB-180PMD KAB-220PMD KAB-250PMD KAB-270PMD KAB-300PMD KAB-340PMD KAB-410PMD KAB-480PMD KAB-550PMD KAB-600PMD KAB-800PMD KAB-1350PMD																	
Installed power (kW)	25	37	55	75	90	110	130	150	180	200	220	250	300	350	400	450	600	1000
Maximum motor speed(rpm)	40000			36000		33000		27000		24000		20000						
Impeller design speed(rpm)	40000	40000	40000	36000	36000	33000	33000	27000	27000	24000	24000	20000	20000	20000	25000	25000	18000	18000
Pressurization (kPa)	Flow Capacity (m³/min): latm, 20°C																	
30		56	83	113	135													
40		46	68	93	112	132	156	180										
50	25	35	52	71	85	116	137	158	171	190	233	264						
60	22	32	48	65	78	96	113	130	156	173	190	217	260	303	346	389	536	
70	20	27	40	54	65	86	102	118	141	157	173	196	235	274	313	352	465	790
80		25	37	51	61	74	87	100	120	133	146	167	200	233	266	299	414	708
90		23	34	46	66	69	82	95	114	127	140	158	190	222	254	285	376	638
100					51	63	74	85	102	113	124	142	170	198	226	254	342	586
110					49	60	71	82	98	109	120	136	164	191	218	245	328	546
120					45	55	65	75	90	100	110	125	150	175	200	225	300	511
Pipe Diameter (mm)	DN125/DN150/DN200					DN200/DN250					DN250/DN300			DN250/DN300		DN400		
Pressurization (mm)	1660*1270*1800							2420*1520*1800					2910*1730*1965					

Magnetic Levitation Centrifugal Air Compressor

Model	Power	Work air pressure	Volume flow
KAM-150PMD-2	110	1.0-2.0	42
KAM-150PMD-3	110	1.5-3.0	32
KAM-220PMD-2	160	1.0-2.0	60
KAM-220PMD-3	160	1.5-3.0	46
KAM-270PMD-1.5	200	1.0-2.5	65
KAM-270PMD-3	200	1.5-3.0	60
KAM-270PMD-3.5	200	1.5-3.5	51
KAM-350PMD-2	250	1.0-2.0	93
KAM-350PMD-3	250	1.5-3.0	72
KAM-350PMD-4	250	2.5-4.0	61
KAM-420PMD-2.5	315	1.0-2.5	100
KAM-420PMD-3.5	315	2.5-3.5	80
KAM-540PMD-2	400	6.0-8.0	65
Voltage	380V/50Hz		
Environmental temperature	-10~40°C		
Environmental humidity	0~95%RH		



* Our company has the right to change the design of our products for continuous improvement. Parameters are subject to change without notice.



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Core Technology Solution Provider Of Compressed Air System Solution

High efficiency Energy saving Reliability Environmental protection



SHANGHAI KINGAIR INDUSTRIAL CO., LTD.

Magnetic Levitation Centrifugal Blower

Magnetic levitation single-stage centrifugal blower, belongs to the fourth generation of blowers, which adopts advanced magnetic levitation bearings, high-speed motors, ternary flow impeller technology, and compared with the previous three generations of blowers, it has the characteristics of energy saving, environmental protection, wide range of adjustment of air volume, low noise, low vibration and easy installation and maintenance.



Magnetic Levitation Controller



Magnetic Levitation Bearing



Magnetic Levitation Blower



High-speed motors



Ternary Fluid Impeller

Energy-saving And Efficient

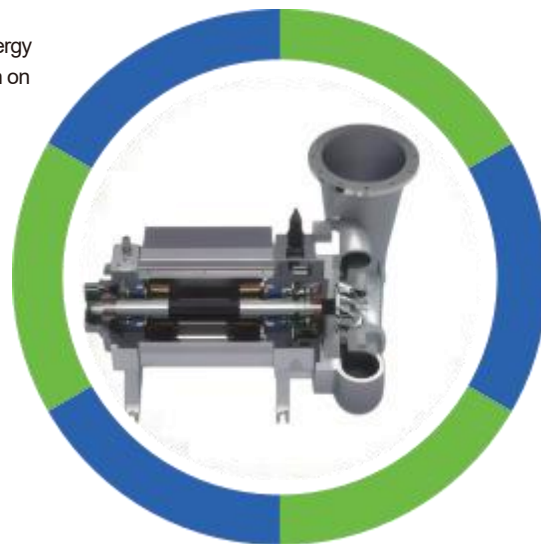
Magnetic levitation blower compared to traditional Roots fan and other models, energy saving effect of more than 30%, high return on investment benefits.

High Reliability

Based on magnetic levitation bearing technology, no lubrication oil is required, reducing gearboxes and other structures; mechanical bearings are reduced from more than 10 to 0; sealing structures are reduced from more than 10 to 2.

Safety Design

Enhance the protection level and cooling efficiency of the motor, which can meet the various types of harsh environmental conditions such as cement, chemical industry, etc., and run stably.



Lower Noise

The noise of the magnetic levitation motor is only about 75 decibels; it meets the latest environmental protection requirements.

Small Size And Light Weight

High-speed direct-drive generator design can significantly reduce the size and weight of the equipment, so that the customer equipment installation and transportation more flexible.

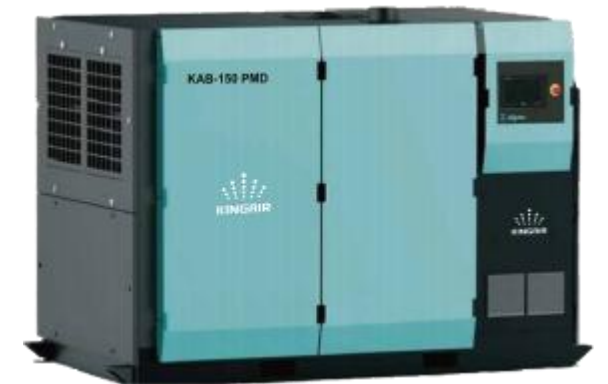
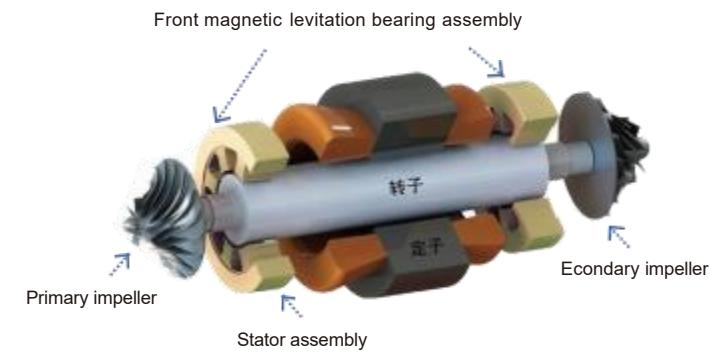
Easy To Install And Maintenance Free

The magnetic levitation motor can realize plug and play without the need to do on-site basic platform, debugging; motor life is semi-permanent, without daily inspection and maintenance.

Magnetic Levitation Centrifugal Air Compressor

Magnetic levitation compressor is a more efficient and energy-saving centrifugal compressor, which uses magnetic levitation bearings, so that the compressor's rotor works in a kind of levitation state, so that there is no mechanical contact with the base when rotating, avoiding mechanical friction.

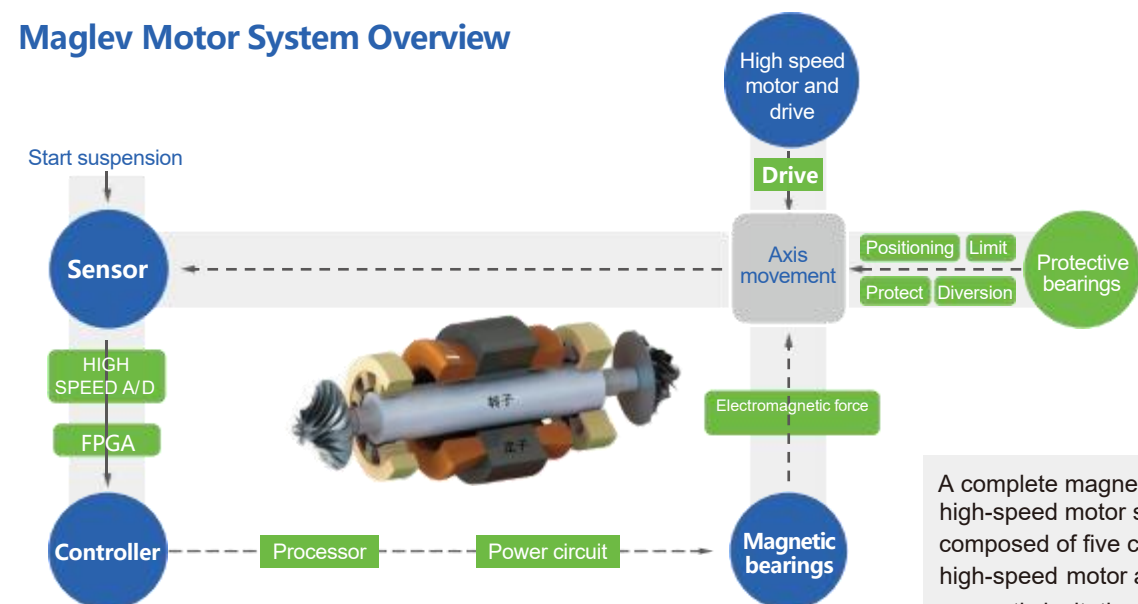
The structure diagram is as follows:



As a result, magnetic levitation compressors have the following four characteristics:

- 1 No lubricating oil system is required, which reduces heat transfer thermal resistance and improves heat transfer efficiency.
- 2 No pre-heating is required, allowing for fast start-up and low starting current.
- 3 Simplified machine structure.
- 4 Low operating noise and vibration.

Maglev Motor System Overview



A complete magnetic levitation high-speed motor system is composed of five components: high-speed motor and drive, magnetic levitation controller sensor, magnetic bearing, and protective bearing.