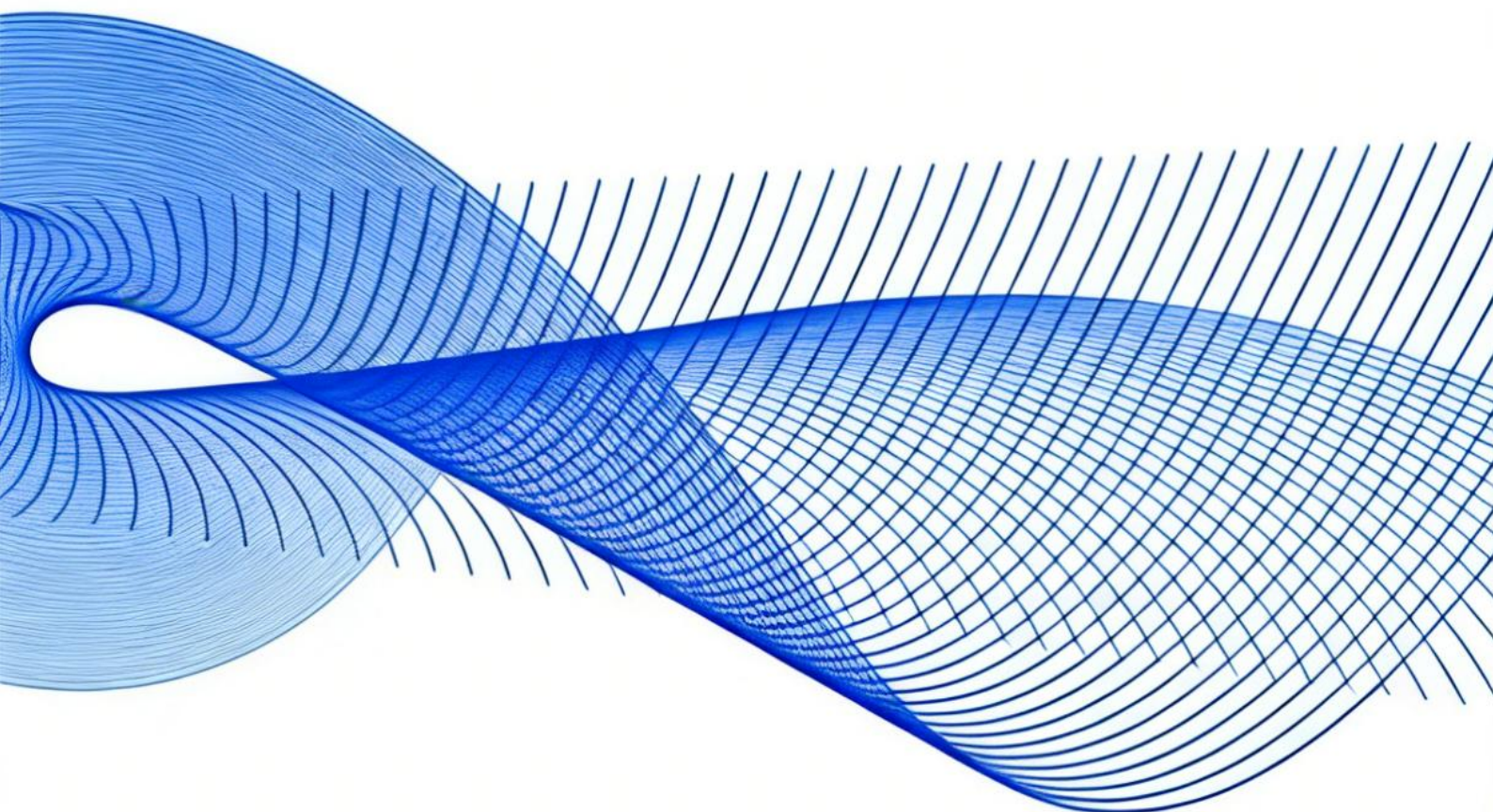


Hangzhou GT Rail Traffic Equipment Co., Ltd

IVH Drive: Global Power Transmission Solutions



Vibration Motors Catalogue

About Us

IVH DRIVE was founded in 2011 and headquartered in Hangzhou, is a National High-Tech Enterprise integrating R&D, manufacturing, and sales. With over 150 employees (15% in R&D) and a 32,000 m² smart production base, the company achieves an annual turnover of 150 million RMB (with 30% from exports), maintaining steady growth. Holding prestigious international certifications such as CE, UL, and CSA, IVH DRIVE is committed to providing domestic alternatives for high-end transmission equipment, delivering high-efficiency and high-stability power solutions for the global rail traffic and industrial sectors. Our products are widely utilized in diverse industries, including smart logistics, food packaging, energy & mining, and construction machinery. To date, we have exported to 25 countries, with a business footprint spanning Europe, North America, Southeast Asia, and the Middle East, making us your trusted partner for industrial power.

2011

SINCE

25+

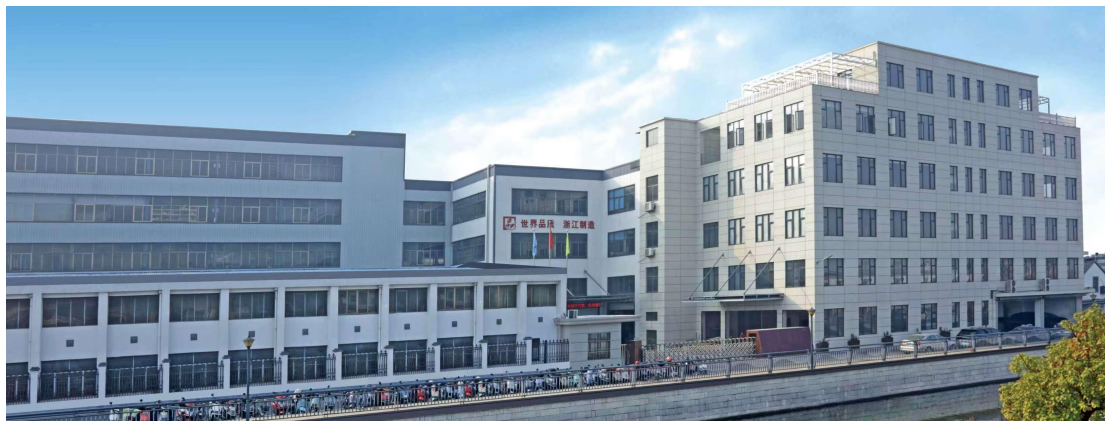
EXPORT COUNTRIES

40+

PRODUCT COVERAGE

8

FACTORIES DISTRIBUTION



Product Content

1.PJMV Series, BPMV Series Variable Frequency Vibration Motors.....	1
2.PJFL Series Side Plate Vibrating Motor.....	4
3.PJE Series Vibrating Motor.....	7
4.PJLT Series Branch Self-Excited Vibration Source.....	13
5.YZU Series Vibrating Motor.....	14
6.PJVB Series Vibrating Motor.....	16
7.TZF, LZF series, F series wall vibrators (anti-clogging devices)	20
8.YZO/JZO series Universal Vibration Motors.....	22
9.TZD/TZDC series Universal Vibration Motors.....	23
10.PJCBX Flange-type Oil-lubricated Exciter.....	24
11.PJFX Box-type Exciter, PJFG dry Oil Exciter.....	26
12.PJLS Vertical series Vibration Motors.....	27
13.Vibration Motor Installation and Adjustment.....	28

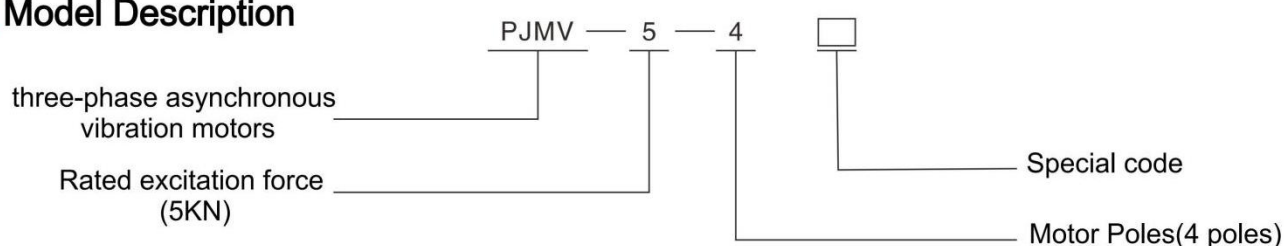
PJMV series and BPMV series Variable Frequency Vibration Motors

Overview

The PMV and BPMV series three-phase asynchronous vibration motors are new products independently developed by our company, combining domestic and foreign vibration motors. Meet the technical requirements of the People's Republic of China mechanical industry standard JB/T5330-2007- Three phase asynchronous vibration motor.

The PMV and BPMV series three-phase asynchronous vibration motors are universal excitation sources for various types of vibration machinery. The products are widely used in vibration dewatering machines, vibration separation machines, mobile crushing stations, vibration screening machines, vibration feeders, vibration conveyors, vibration discharge machines, vibration sand machines, vibration compaction tables, and vibration anti blocking devices for silos in industries such as power, building materials, grain, coal, mining, metallurgy, chemical, casting, light industry, railway, port, and medicine.

Model Description



Feature

1. Reasonable design, excellent material selection, high efficiency, low temperature rise, and long service life;
2. The combination of excitation force and output force is appropriate, the body is lightweight, the starting torque is large, and the volume is small;
3. Due to the use of smooth rotation to generate vibration and low noise;
4. Fully enclosed structure, capable of working in any dust environment without explosion-proof requirements;
5. By adjusting the angle of the eccentric block, the excitation force can be adjusted;
6. The direction of the excitation force can be changed according to the installation method of the vibration motor;
7. Multiple units can be combined into various forms of vibration to meet various operational requirements.



Terms of Use

Environmental temperature: -20 to 40
 Sea level altitude: not exceeding 1000m
 Voltage: 380V
 Frequency: 50Hz
 Insulation level: F
 Protection level: IP55
 Working mode: S1
 Cooling method: IC410

Installation direction: Any direction
 (excluding those marked with installation instructions)



The installation dimensions are consistent with MVE, VBE, and Martin from the United States.

Special customization: We can design and manufacture vibration motors with dual frequencies (50Hz/60Hz), wide voltage bands, high altitudes, and different voltages, frequencies, and other special requirements according to user needs.

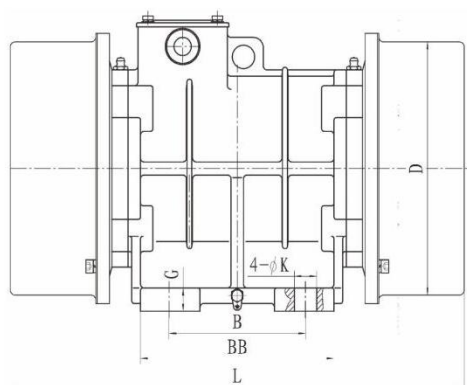


Figure 1

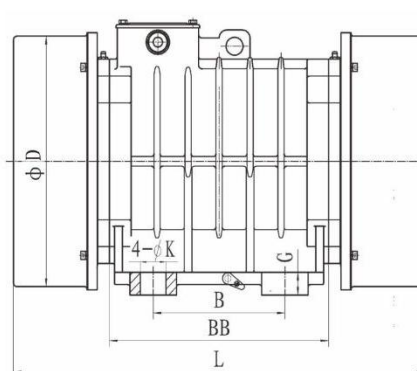


Figure 2

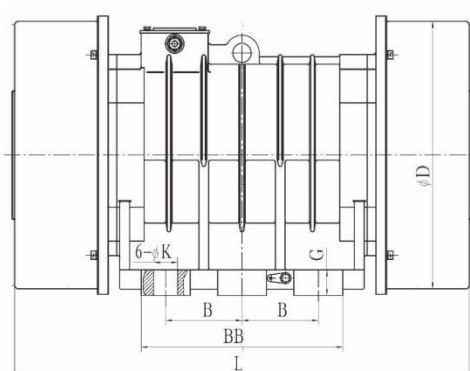
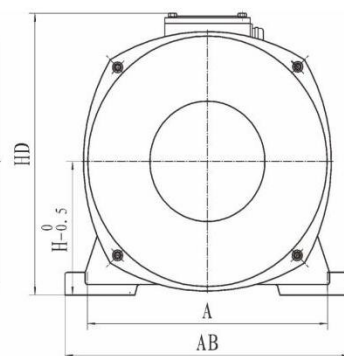


Figure 3

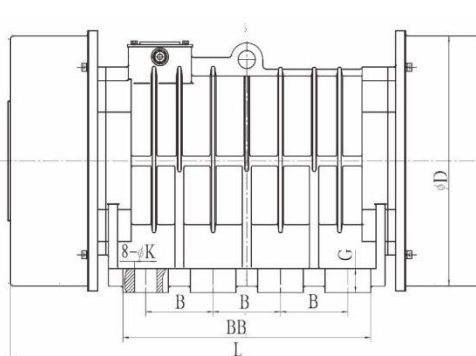
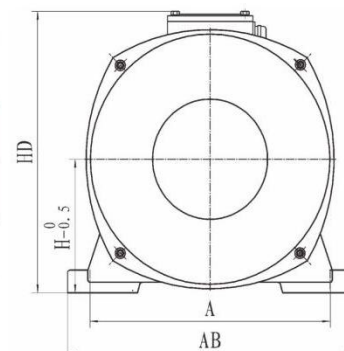


Figure 4



Installation, external dimensions and technical parameters of PJMV series

Model	Rated excitation force (KN)	rated power kW	synchro nous speed r/min	(mm) nstallation dimensions				Overall dimensions (mm)						weight kg	Figure
				A	B	H	K	AB	BB	HD	D	G	L		
2 Poles															
PJMV-1.5-2	1.5	0.12	3000	130	80	80	4-Φ12	164	118	180	140	12	270	13	1
PJMV-2.5-2	2.5	0.22		130	80	80	4-Φ12	164	118	180	140	12	270	14	1
PJMV-3-2	3	0.25		150	90	90	4-Φ14	185	136	205	165	16	295	18	1
PJMV-5-2	5	0.37		150	90	90	4-Φ14	185	136	205	165	16	295	19	1
PJMV-8-2	8	0.55		150	90	90	4-Φ14	185	136	205	165	16	295	23	1
PJMV-10-2	10	0.75		180	110	110	4-Φ18	215	160	235	196	20	388	30	1
PJMV-15-2	15	1.1		220	140	120	4-Φ22	272	175	252	218	22	425	43	1
PJMV-20-2	20	1.5		260	150	140	4-Φ26	310	216	308	259	27	506	65	1
PJMV-30-2	30	2.2		310	170	170	4-Φ33	370	252	355	310	32	570	96	2
PJMV-50-2	50	3.7		350	220	200	4-Φ39	420	320	410	380	35	670	156	2
PJMV-65-2	65	4.5	350	220	200	4-Φ39	420	320	410	380	35	670	195	2	
4 Poles															
PJMV-1.5-4	1.0	0.12	1500	130	80	80	4-Φ12	164	118	180	140	12	270	14	1
PJMV-2-4	2	0.15		130	80	80	4-Φ12	164	118	180	140	12	270	14	1
PJMV-3-4	3	0.18		150	90	90	4-Φ14	185	136	205	165	16	295	20	1

Installation, External Dimensions and Technical Parameters of PJMV series

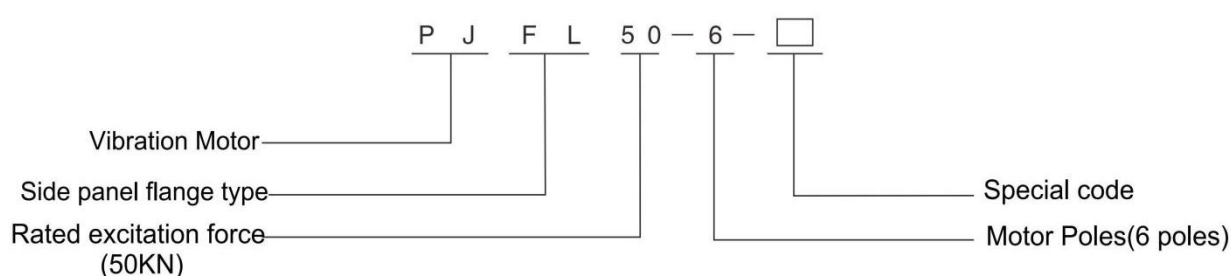
Model	Rated excitation force (kN)	rated power kW	synchro nous speed r/min	installation dimensions (mm)				Overall dimensions (mm)						weight kg	Figure
				A	B	H	K	AB	BB	HD	D	G	L		
4 Poles															
PJMV-5-4	5	0.25	1500	180	110	110	4-Φ18	215	160	235	196	20	388	30	1
PJMV-8-4	5	0.25		180	110	110	4-Φ18	215	160	235	196	20	400	35	1
PJMV-10-4	10	0.55		220	140	120	4-Φ22	272	175	252	218	22	425	45	1
PJMV-13-4	13	0.60		220	140	120	4-Φ22	272	175	252	218	22	465	22	1
PJMV-15-4	15	0.75		260	150	140	4-Φ26	310	216	308	259	27	506	65	1
PJMV-20-4	20	1.1		260	150	140	4-Φ26	310	216	308	259	27	506	69	1
PJMV-30-4	30	1.5		310	170	165	4-Φ33	370	252	355	310	32	570	104	2
PJMV-50-4	50	2.2		350	220	200	4-Φ39	420	320	410	380	35	670	172	2
PJMV-75-4	75	3.7		380	125	220	6-Φ39	455	375	465	418	42	780	280	3
6 Poles															
PJMV-1.5-6	1.5	0.12	1000	150	90	90	4-Φ14	185	136	205	165	16	295	21	1
PJMV-3-6	3	0.25		180	110	110	4-Φ18	215	160	235	196	20	388	31	1
PJMV-8-6	8	0.55		220	120	120	4-Φ22	272	175	252	218	22	470	46	1
PJMV-5-6	5	0.37		220	140	120	4-Φ22	272	175	252	218	22	425	42	1
PJMV-10-6	10	0.75		260	150	140	4-Φ26	310	216	308	259	27	506	75	1
PJMV-13-6	13	1.0		260	150	140	4-Φ26	310	216	308	259	27	506	90	1
PJMV-15-6	15	1.1		310	170	165	4-Φ33	370	252	355	310	32	605	108	2
PJMV-20-6	20	1.5		310	170	165	4-Φ33	370	252	355	310	32	605	113	2
PJMV-25-6	25	1.8		310	170	165	4-Φ33	370	252	355	310	32	605	132	2
PJMV-30-6E	30	2.2		310	170	165	4-Φ33	370	252	355	310	32	670	141	2
PJMV-30-6	30	2.2		350	220	200	4-Φ39	420	320	410	380	35	670	183	2
PJMV-40-6	40	3		350	220	200	4-Φ39	420	320	410	380	35	670	200	2
PJMV-50-6E	50	3.7		350	220	200	4-Φ39	420	320	410	380	35	710	215	2
PJMV-63-6	63	4.5		350	220	200	4-Φ39	420	320	410	380	35	780	252	2
PJMV-50-6	50	3.7		380	125	220	6-Φ39	455	375	465	418	42	780	280	3
PJMV-75-6E	75	5.5		380	125	220	6-Φ39	455	375	465	418	42	870	325	3
PJMV-75-6	75	5.5		440	140	240	6-Φ45	533	420	480	450	42	870	385	3
PJMV-100-6	100	7.5		440	140	240	6-Φ45	533	420	480	450	42	870	410	3
PJMV-135-6	125	9.5		440	140	240	6-Φ45	533	420	480	450	42	910	445	4
PJMV-140-6	140	10		460	118	260	8-Φ39	565	448	520	490	42	930	580	4
PJMV-160-6	160	11		460	118	260	8-Φ39	565	448	520	490	42	950	640	4
PJMV-180-6	180	13	460	118	260	8-Φ39	565	448	520	490	42	970	710	4	
PJMV-200-6	200	15	460	118	260	8-Φ39	565	448	520	490	42	990	729	4	
8 Poles															
PJMV-10-8	10	0.75	750	260	150	140	4-Φ26	310	216	308	259	27	506	90	2
PJMV-20-8	20	1.5		310	170	170	4-Φ33	370	252	355	310	32	605	130	2
PJMV-25-8	25	1.8		310	170	170	4-Φ33	370	252	355	310	32	670	149	2
PJMV-35-8	35	2.5		350	220	200	4-Φ39	420	320	410	380	35	670	220	2
PJMV-50-8	50	3.7		380	125	220	6-Φ39	455	375	465	418	42	780	350	3
PJMV-65-8	65	4.5		380	125	220	6-Φ39	455	375	465	418	42	870	360	3
PJMV-80-8	80	5.5		440	140	240	6-Φ45	533	420	480	450	42	870	430	4
PJMV-100-8	100	7.5		440	140	240	6-Φ45	533	420	480	450	42	870	460	4
PJMV-125-8	125	9		460	118	260	8-Φ39	565	448	520	490	42	930	580	4

PJFL series Side Panel Vibration Motor

Overview

The PFL series side plate three-phase asynchronous vibration motor is a new product developed by our company. Compared with ordinary vibration motors, it eliminates the complex motor base plate structure of the vibration motor. The motor is directly installed on the side plate of the vibration machinery, which can achieve circular or linear motion of the vibration machinery. At the same time, it can reduce the weight of the vibration machinery, reduce the stiffness requirements of the body, reduce the energy consumption of the vibration machinery, facilitate installation and maintenance, have a large single machine excitation force, and a long service life. It is widely used in industries such as power, building materials, coal, chemical, mining, metallurgy, light industry, casting, etc., mainly suitable for large-scale screening equipment. Due to its unique advantages, it can gradually replace other types of excitation sources such as shaft eccentricity and fast eccentricity, and provide a new and reliable excitation source for large-scale vibration machinery in China.

Model Description



Feature

1. Reasonable installation methods have reduced the overall weight of vibrating machinery;
2. Reducing the intermediate transmission structure can greatly reduce the energy consumption of vibrating machinery and save electricity;
3. Due to the use of smooth rotation to generate vibration and low noise;
4. By adjusting the angle of the eccentric block, the excitation force can be infinitely adjusted;
5. Multiple units can synthesize various vibration forms to meet various operational requirements;
6. Simplified the vibration mechanical design program, making the structure more reasonable;
7. Easy installation and maintenance, reliable use, and long service life.

Terms of Use

Environmental temperature: -20 to 40
 Sea level altitude: not exceeding 1000m
 Voltage: 380V
 Frequency: 50Hz
 Insulation level: F level
 Protection level: IP54
 Working mode: Continuous (S1)



Special customization: We can design and manufacture vibration motors with dual frequencies (50Hz/60Hz), wide voltage bands, high altitudes, and different voltages, frequencies, and other special requirements according to user needs.

Installation Outline Drawing of PJFL Series Side Plate Vibration Motor

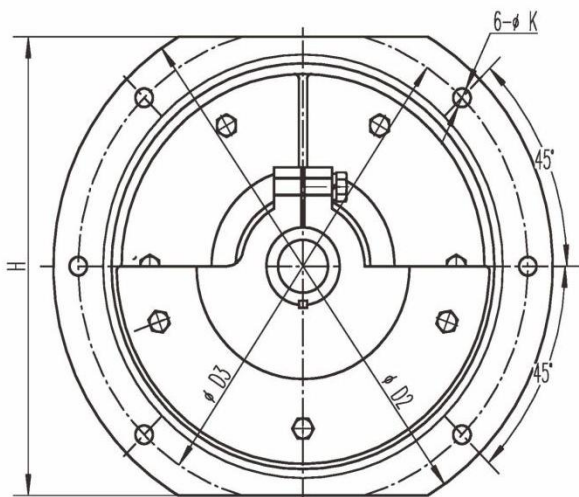
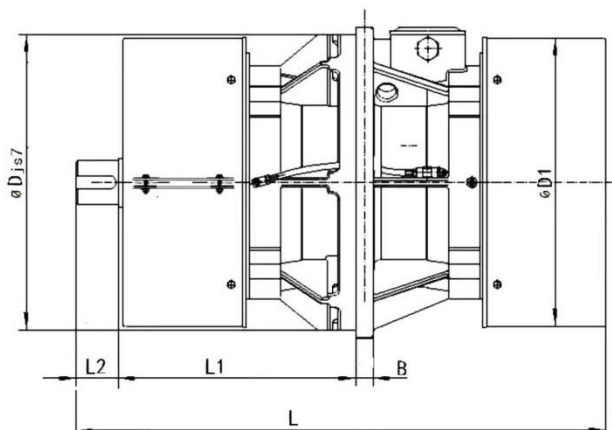
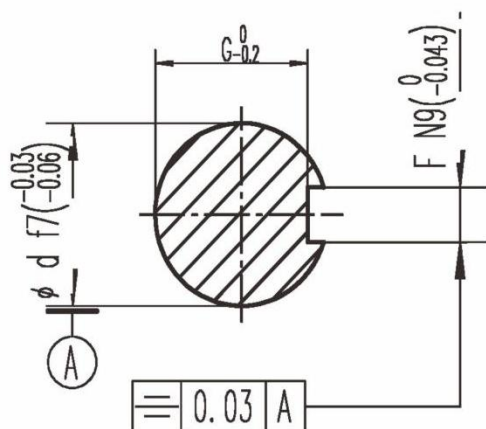


Figure 1

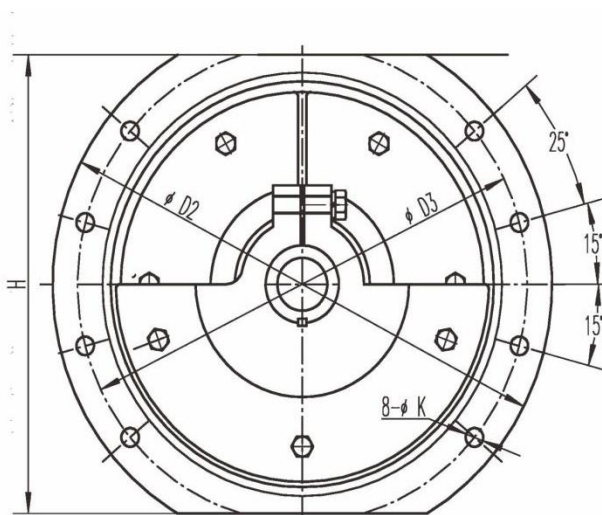


Figure 2

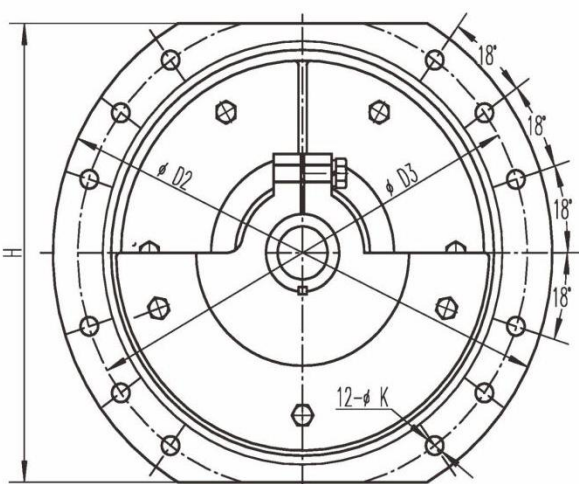


Figure 3

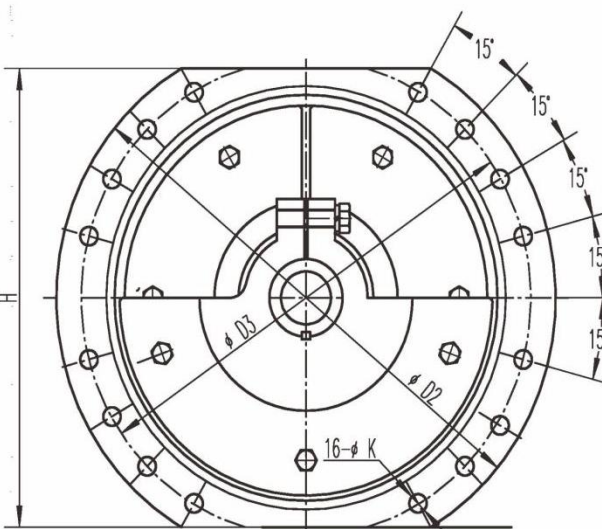


Figure 4

Technical Parameters of PJFL series Side Panel Vibration Motor

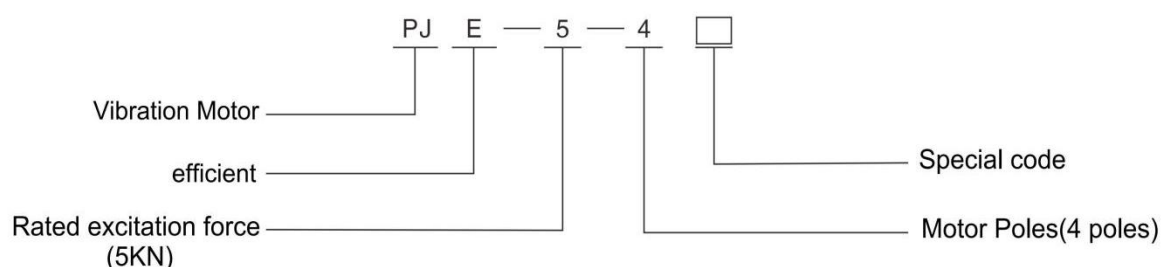
Model	technical parameters			installation dimensions (mm)				Overall dimensions (mm)						G	F	K	weight	Figure	
	Rated excitation force (kN)	rated speed (r/min)	rated power (kW)	D	D1	D2	D3	L	L1	L2	H	B	d						
4 Poles																			
PJFL25-4	25	1475	1.25	280	274	370	330	562	269	60	310	20	45	41	8	6-φ 21	94	1	
PJFL35-4	35		1.8	315	304	405	365	575	276	60	335	20	45	41	8	6-φ 21	123	1	
PJFL50-4	50		2.2	365	354	455	415	573	276	60	400	20	60	55	12	6-φ 21	178	1	
PJFL60-4E	60		3.0	365	354	455	415	593	286	60	400	30	60	55	12	6-φ 21	187	1	
PJFL60-4	60		3.0	400	374	500	450	645	308	60	420	30	60	55	12	8-φ 21	220	2	
PJFL75-4	75		3.7	400	374	500	450	674	328	60	420	30	60	55	12	8-φ 21	260	2	
PJFL100-4E	100		5.5	400	374	500	450	694	338	60	420	30	60	55	12	8-φ 21	280	2	
PJFL100-4	100		6.3	430	428	530	480	706	342	60	455	35	60	53	18	8-φ 21	320	2	
PJFL120-4E	120		7.5	430	428	530	480	726	352	60	455	35	60	53	18	8-φ 21	350	2	
PJFL120-4	120		7.5	480	464	600	540	805	386	60	520	35	60	53	18	12-φ 21	420	2、3	
6 Poles																			
PJFL15-6	15	980	1.1	280	274	370	330	566	274	60	310	20	36	32	8	6-φ 21	100	1	
PJFL25-6	25		1.8	315	309	405	365	630	293	60	335	20	45	41	8	6-φ 21	135	1	
PJFL35-6	35		2.4	365	357	455	415	592	295	60	400	20	50	45	12	6-φ 21	185	1	
PJFL40-6	40		3.0	365	357	455	415	638	305	60	400	20	50	45	12	6-φ 21	190	1	
PJFL50-6E	50		3.7	365	357	455	415	642	310	60	420	20	50	45	12	6-φ 21	205	1	
PJFL50-6	50		3.7	400	389	500	450	665	315	60	420	30	60	53	18	8-φ 21	265	2	
PJFL65-6	60		4.0	400	389	500	450	650	315	60	420	30	60	53	18	8-φ 21	265	2	
PJFL75-6E	75		5.5	400	389	500	450	705	335	60	420	30	60	53	18	8-φ 21	285	2	
PJFL75-6	75		6.0	430	420	530	480	720	340	60	455	30	60	53	18	8-φ 21	320	2	
PJFL85-6	85		6.5	430	420	530	480	710	340	60	455	30	60	53	18	8-φ 21	320	2	
PJFL100-6E	100		7.0	430	420	530	480	762	355	60	455	30	60	53	18	8-φ 21	360	2	
PJFL100-6	100		7.5	480	464	600	540	805	386	60	520	30	60	53	18	8-φ 25 12-φ 21	421	2 3	
PJFL120-6E	120		9	480	464	600	540	835	405	60	520	30	60	53	18	8-φ 25 12-φ 21	464	2 3	
PJFL140-6	140		10	580	576	700	650	790	390	60	605	35	60	53	18	16-φ 21	620	4	
PJFL160-6	160		740	11	580	576	700	650	880	425	60	605	35	60	53	18	16-φ 21	629	4
PJFL180-6	180			13	580	576	700	650	915	435	60	605	35	60	53	18	16-φ 21	710	4
PJFL200-6	200	15		580	576	700	650	915	435	60	605	35	60	53	18	16-φ 21	710	4	
PJFL220-6	220	16		580	576	700	650	915	435	60	605	35	60	53	18	16-φ 21	710	4	
8 Poles																			
PJFL50-8	50	740	3.7	400	374	500	450	806	390	60	420	35	60	53	18	8-φ 21	310	2	
PJFL75-8	75		6.0	430	420	530	480	858	415	60	455	35	60	53	18	8-φ 21	420	2	
PJFL100-8	100		7.5	480	464	600	540	925	456	60	520	35	60	53	18	12-φ 21	580	3	
PJFL140-8	140		9	580	576	700	650	865	425	60	605	35	60	53	18	16-φ 21	750	4	
PJFL160-8	160		11	580	576	700	650	905	445	60	605	35	60	53	18	16-φ 21	780	4	
PJFL180-8	180		13	580	576	700	650	925	455	60	605	35	60	53	18	16-φ 21	850	4	

PJE series Vibration Motor

Overview

The PJE series three-phase asynchronous vibration motor is a newly developed high-efficiency and energy-saving three-phase asynchronous vibration motor product by our company. This series of products has the advantages of high efficiency and energy saving, small size, light weight, superior performance, reliable operation, and easy installation. Ideal power source for vibration machinery such as feeding, conveying, crushing, compacting, dewatering, desliming, drying, screening, dropping, and anti blocking of various materials. Applied to various industries without explosion-proof requirements.

Model Description



Feature

1. Reasonable design, excellent material selection, high efficiency, low temperature rise, and long service life;
2. The combination of excitation force and output force is appropriate, the body is lightweight, the starting torque is large, and the volume is small;
3. Due to the use of smooth rotation to generate vibration and low noise;
4. Fully enclosed structure, capable of working in any dust environment without explosion-proof requirements;
5. By adjusting the angle of the eccentric block, the excitation force can be adjusted;
6. The direction of the excitation force can be changed according to the installation method of the vibration motor;
7. Multiple units can be combined into various forms of vibration to meet various operational requirements.



Terms of Use

Environmental temperature: -20 to 40
 Sea level altitude: not exceeding 1000m
 Voltage: 380V
 Frequency: 50Hz
 Insulation level: F
 Protection level: IP65
 Working mode: S1
 Cooling method: IC410

Installation direction: Any direction
 (excluding those marked with installation instructions)



The installation dimensions are consistent with MVE, VBE, and Martin from the United States.

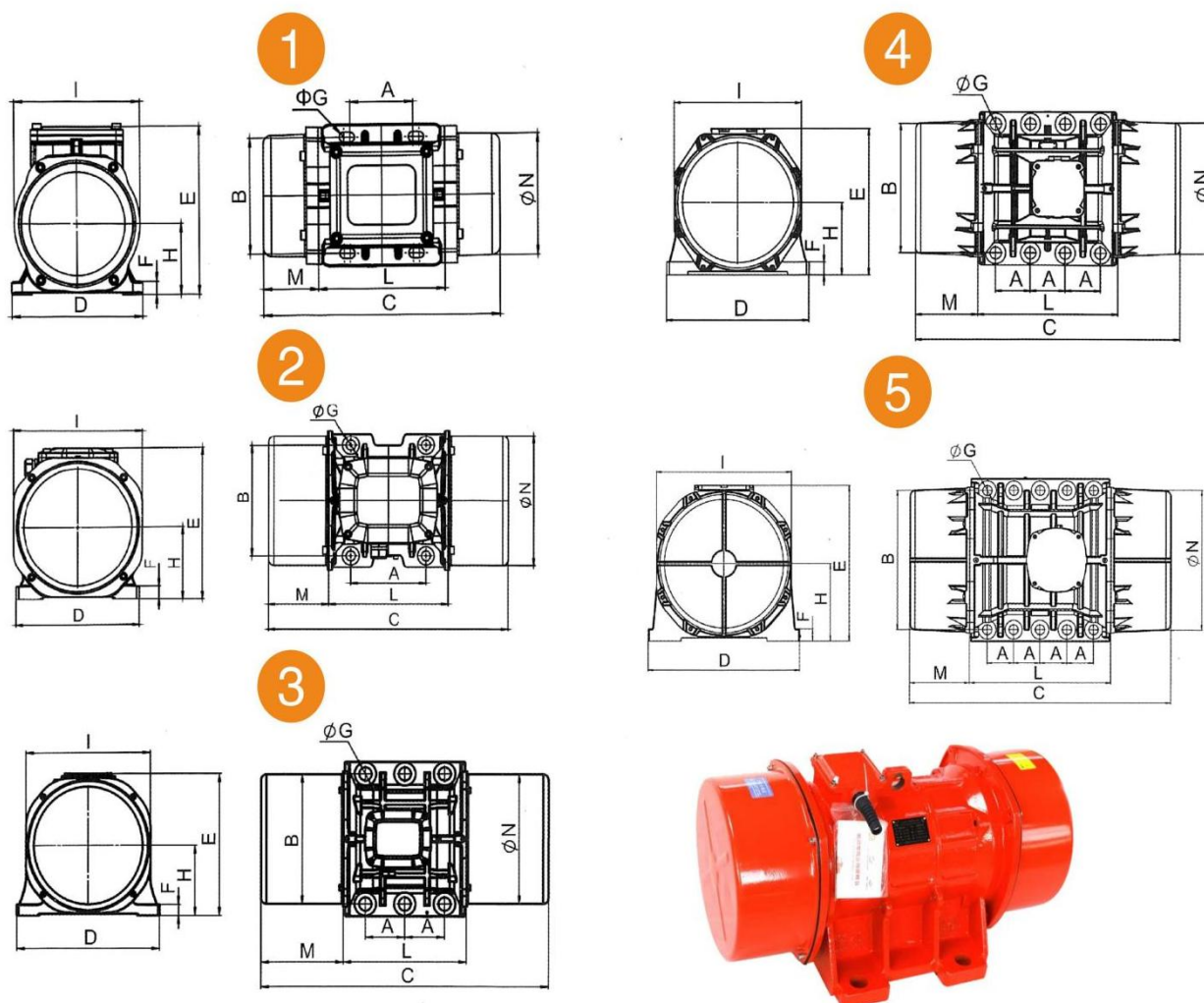
Special customization: We can design and manufacture vibration motors with dual frequencies (50Hz/60Hz), wide voltage bands, high altitudes, and different voltages, frequencies, and other special requirements according to user needs.

Technical Parameters of PJE series Vibration Motor

Model	technical parameters			installation dimensions (mm)				Overall dimensions (mm)						weight	Figure
	Rated excitation force (kN)	rated speed (r/min)	rated power (kW)	A	B	C	D	E	F	φ G	H	L	φN		
2 Poles															
PJE-0.7-2	0.7	3000	0.04	62-74	106	213	130	136	10	9	50	123	86	6	1
PJE-1-2	1		0.04	62-74	106	213	130	136	10	9	50	123	86	6.2	1
PJE-2-2	2		0.09	62-74	106	233	130	158	12	9	65	125	112	8	1
PJE-3-2	3		0.16	90	125	255	150	174	14	13	79	171	135	12	2
PJE-4-2	4		0.2	90	125	278	150	174	14	13	79	171	135	13	2
PJE-5-2	5		0.37	105	140	331	170	197	20	13	92	175	160	18	2
PJE-7-2	7		0.45	105	140	331	170	197	20	13	92	175	160	19	2
PJE-8-2	8		0.55	120	170	321	208	211	22	17	96	197	170	22	2
PJE-10-2	10		0.75	120	170	321	208	211	22	17	96	197	170	23	2
PJE-13-2	13		1.1	120	170	321	208	211	22	17	96	197	170	25	2
PJE-16-2	16		1.25	140	190	402	230	261	26	17	124	222	222	56	2
PJE-20-2	20		2	140	190	402	230	261	26	17	124	222	222	58	2
PJE-23-2	23		2	140	190	402	230	261	26	17	124	222	222	60	2
PJE-32-2	32		2.2	155	255	516	304	314	30	25	147	282	265	115	2
PJE-40-2	40		2.3	155	255	516	304	314	30	25	147	282	265	110	2
PJE-50-2	50		3.5	155	255	564	304	314	30	25	147	282	265	116	2
PJE-65-2	65		4.2	200	320	624	385	402	40	28	203	364	378	215	2
PJE-90-2	90	7.2	200	320	624	385	402	40	28	203	364	378	220	2	
PJE-120-2	120	10	125	380	648	452	415	40	39	205	388	378	270	3	
PJE-150-2	150	15	125	380	648	452	415	40	39	205	388	378	330	3	
4 Poles															
PJE-0.3-4	0.3	1500	0.03	62-74	106	213	130	136	10	9	50	123	86	6	1
PJE-0.9-4	0.9		0.04	62-74	106	233	130	158	12	9	65	125	112	8	1
PJE-2-4	2		0.06	90	125	278	150	174	14	13	79	171	135	13	2
PJE-2.5-4	2.5		0.07	90	125	305	150	174	14	13	79	171	135	15	2
PJE-3-4	3		0.08	90	125	305	150	174	14	13	79	171	135	16	2
PJE-4-4	4		0.15	105	140	331	170	197	20	13	92	175	160	21	2
PJE-5-4	5		0.25	105	140	331	170	197	20	13	92	175	160	22	2
PJE-7-4	7		0.37	120	170	391	208	211	22	17	96	197	170	29	2
PJE-8-4	8		0.4	120	170	391	208	211	22	17	96	197	170	30	2
PJE-11-4	11		0.4	120	170	455	208	211	22	17	96	197	170	37	2
PJE-14-4	14		0.45	140	190	446	230	261	26	17	124	222	222	65	2
PJE-17-4	17		0.75	140	190	446	230	261	26	17	124	222	222	68	2

Technical Parameters of PJE series Vibration Motor

Model	technical parameters			installation dimensions (mm)				Overall dimensions (mm)						weight	Figure
	Rated excitation force (kN)	rated speed (r/min)	rated power (kW)	A	B	C	D	E	F	φ G	H	L	N		
4 Poles															
PJE-24-4	24	1500	1	140	190	490	230	261	26	17	124	222	222	80	2
PJE-25-4	25		1.2	155	225	501	275	290	30	22	140	255	236	86	2
PJE-30-4	30		1.5	155	225	535	275	290	30	22	140	255	236	95	2
PJE-38-4	38		1.72	155	255	584	304	314	30	23.5	147	282	265	130	2
PJE-43-4	43		1.94	155	255	584	304	314	30	23.5	147	282	265	135	2
PJE-55-4	55		2.2	180	280	603	332	354	35	26	170	317	311	170	2
PJE-72-4	72		3	200	320	624	385	402	40	28	203	364	378	235	2
PJE-90-4	90		5.8	200	320	624	385	402	40	28	203	364	378	250	2
PJE-100-4	100		6.3	125	380	728	452	415	40	39	205	388	378	330	3
PJE-116-4	116		8.4	140	440	890	530	484	37	45	232	470	424	450	3
PJE-141-4	141		8.9	140	440	890	530	484	37	45	232	470	424	490	3



Technical Parameters of PJE series Vibration Motor

Model	technical parameters			installation dimensions (mm)				Overall dimensions (mm)						weight	Figure
	Rated excitation force (kN)	rated speed (r/min)	rated power (kW)	A	B	C	D	E	F	φ G	H	L	N		
6 Poles															
PJE-0.5-6	0.5	1000	0.03	90	125	278	150	174	14	13	79	171	135	10.0	2
PJE-1-6	1		0.04	90	125	305	150	174	14	13	79	171	135	13	2
PJE-1.8-6	1.8		0.05	105	140	331	170	197	20	13	92	175	160	20	2
PJE-3-6	3		0.16	120	170	391	208	211	22	17	96	197	170	28	2
PJE-4-6	4		0.25	120	170	455	208	211	22	17	96	197	170	31	2
PJE-5-6	5		0.37	120	170	455	208	211	22	17	96	197	170	35	2
PJE-8-6	8		0.45	140	190	446	230	261	26	17	124	222	222	65	2
PJE-11-6	11		0.55	140	190	490	230	261	26	17	124	222	222	85	2
PJE-14-6	14		0.70	140	190	566	230	261	26	17	124	222	222	86	2
PJE-16-6	16		0.75	140	190	566	230	261	26	17	124	222	222	89	2
PJE-16-6	16		0.75	155	225	563	275	290	30	22	140	255	236	96	2
PJE-21-6	21		1.1	155	255	623	275	290	30	22	140	255	236	108	2
PJE-26-6	26		1.5	155	255	692	304	314	30	23.5	147	282	265	146	2
PJE-30-6	30		1.7	155	225	692	304	314	30	23.5	147	282	265	155	2
PJE-38-6	38		2	180	280	683	332	354	35	26	170	317	311	188	2
PJE-47-6	47		2.35	180	280	733	332	354	35	26	170	317	311	206	2
PJE-52-6	52		2.6	200	320	704	385	402	40	28	203	364	378	260	2
PJE-65-6	65		2.9	200	320	704	385	402	40	28	203	364	378	280	2
PJE-80-6	80		4.5	200	320	774	385	402	40	28	203	364	378	300	2
PJE-90-6	90		5	200	320	774	385	402	40	28	203	364	378	311	2
PJE-100-6	100		6	125	380	908	452	415	40	39	205	388	378	401	3
PJE-130-6	130		7	125	380	948	452	415	40	39	205	388	378	438	3
PJE-144-6	144		9	140	480	980	570	542	48	45	268	560	490	686	4
PJE-176-6	176		11	140	480	1060	570	542	48	45	268	560	490	744	4
PJE-199-6	199	12	140	480	1060	570	542	48	45	268	560	490	768	4	
PJE-223-6	223	16	140	520	1130	610	594	42	45	297	560	530	916	4	
PJE-250-6	250	16	140	520	1130	610	594	42	45	297	560	530	994	4	
PJE-300-6	300	23	140	600	1167	700	636	45	45	320	585	600	1231	4	
PJE-400-6	400	30	130	630	1278	740	704	55	45	350	690	631	1765	5	
8 Poles															
PJE-1-8	1	750	0.08	105	140	331	170	197	20	13	92	175	160	20	2
PJE-2-8	2		0.12	120	170	391	208	211	22	17	96	197	170	28	2
PJE-2.5-8	2.5		0.12	120	170	455	208	211	22	17	96	197	170	34	2
PJE-4.5-8	4.5		0.2	140	190	446	230	261	26	17	124	222	222	69	2
PJE-6-8	6		0.45	140	190	490	230	261	26	17	124	222	222	72	2
PJE-9-8	9		0.56	155	225	563	275	290	30	22	140	255	236	98	2

Technical Parameters of PJE series Vibration Motor

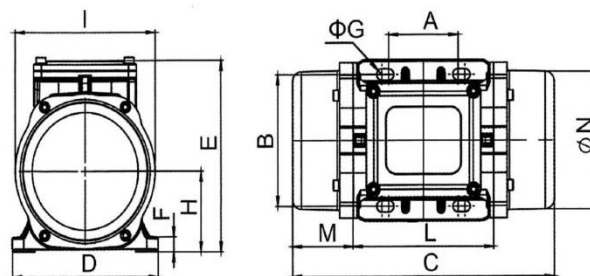
Model	technical parameters			installation dimensions (mm)				Overall dimensions (mm)						weight	Figure
	Rated excitation force (kN)	rated speed (r/min)	rated power (kW)	A	B	C	D	E	F	φ G	H	L	N		
8 Poles															
PJE-15-8	15	750	1	155	255	692	304	314	30	23.5	147	282	265	146	2
PJE-21-8	21		1.4	180	280	683	332	354	35	26	170	317	311	202	2
PJE-25-8	25		1.75	180	280	733	332	354	35	26	170	317	311	205.6	2
PJE-30-8	30		2.1	200	320	704	385	402	40	28	203	364	378	254	2
PJE-35-8	35		2.7	200	320	704	385	402	40	28	203	364	378	288.1	2
PJE-45-8	45		3.65	200	320	774	385	402	40	28	203	364	378	312.9	2
PJE-70-8	70		5.1	125	380	948	452	415	40	39	205	388	378	438	3
PJE-87-8	87		6.1	140	440	1020	530	484	37	45	232	470	424	571	3
PJE-114-8	114		7.4	140	480	1060	570	542	48	45	268	560	490	751	4
PJE-135-8	135		8.4	140	480	1120	570	542	48	45	268	560	490	812	4
PJE-180-8	180		10	140	520	1130	610	594	42	45	297	560	530	982	4
PJE-210-8	210		18	140	600	1167	700	635.5	45	45	320	585	602	1150	4

PJE single-phase series Vibration Motor

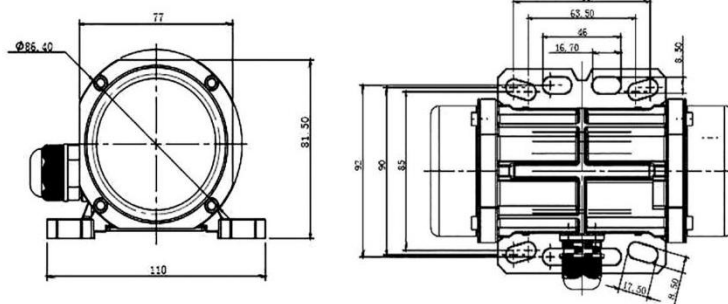
型号	激振力		振次	激振功率	电流	重量	电容	机座号
Type	Force		Ferquency	Power	Current	Weight	Capacitor	Size
	kg	kN	r/min	kW	A	kg	uF	
PJE-0.7-2M	66	0.7	3000	0.08	0.43	4.5	4	SIZE10
PJE-1-2M	99	1	3000	0.1	0.54	5.1	4	SIZE10
PJE-2-2M	197	2	3000	0.13	0.71	6.8	5	SIZE20
PJE-3-2M	311	3	3000	0.29	1.58	10	12	SIZE30
PJE-4-2M	400	4	3000	0.31	1.68	10.8	12	SIZE30

型号 Type	A	B	C	D	E	F	ØG	H	I	L	M	N	电线接头 Cable Gland
PJE-0.7-2M	62-74	106	211	130	136	12	9	48	94	121	45	86	M16×1.5
PJE-1-2M	62-74	106	221	130	136	12	9	48	94	121	50	86	M16×1.5
PJE-2-2M	62-74	106	231	130	159	15	9	64	120	123	54	112	M20×1.5
PJE-3-2M	90	125	255	155	177	14	13	79	142	163	45	132	M20×1.5
PJE-4-2M	90	125	275	155	177	14	13	79	142	163	55	132	M20×1.5

PJE Single-phase series Vibration Motor Parameters and Appearance



Miniature



Single-phase

model	voltage	excitation force		output power	current	weight	Total length L	cable length
	V	kg	kN	W	A max	kg	mm	m
PJE-0.2-220003D	220	22	0.2	30	0.1	1.8	189	1+1
PJE-0.4-220007D	220	40	0.4	70	0.4	2.2	189	1+1

Three-phase

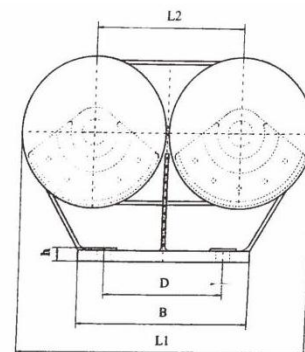
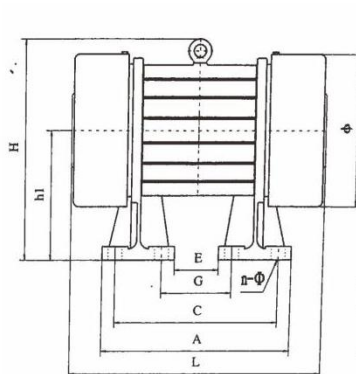
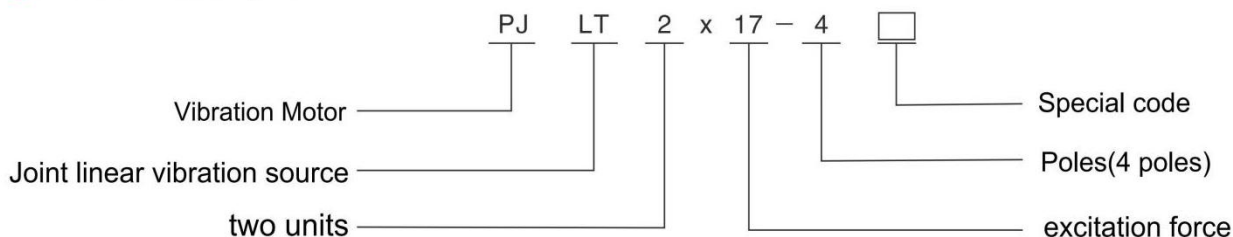
model	voltage	excitation force		output power	current	weight	Total length L	cable length
	V	kg	kN	W	A max	kg	mm	m
PJE-0.2-3800003	380	22	0.2	30	0.11	1.8	189	1
PJE-0.4-3800007	380	40	0.4	70	0.25	2.2	189	1

PJLT series Linear Self Oscillating Source

Overview

The PJLT series linear self vibration source is a new type of product developed by our company. This product is a new structural principle vibration source developed on the basis of vibration motors. The two motors are integrated for linear motion, which has the advantages of reliable performance, small space occupation, simple maintenance, and long service life. It is an ideal vibration source for small and medium-sized vibration equipment, and can be equipped with synchronous gears to reduce the start stop resonance time zone.

Model Description



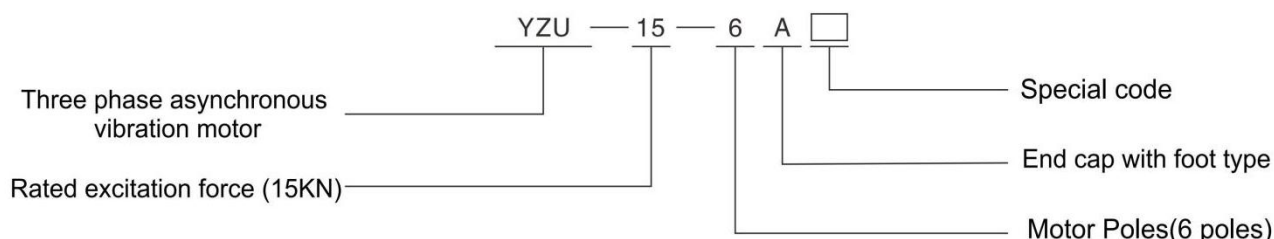
No.	model	excitation force KN	power KW	current A	Main structural dimensions														weight Kg
					L	L ₁	L ₂	H	A	B	C	D	E	G	h	h ₁	φ	n-φ	
1	PJLT2×5-4	2×5	2×0.4	2×1.15	340	388	190	280	182	240	104	180	52		25	175	170	4-18	53
2	PJLT2×8-4	2×8	2×0.75	2×1.84	380	388	190	280	197	240	119	180	70		25	175	170	4-20	70
3	PJLT2×17-4	2×17	2×1.5	2×2.7	460	430	220	285	231	240	159	180	103		25	180	210	4-22	100
4	PJLT2×20-4	2×20	2×2.0	2×4.1	490	524	285	355	366	310	316	235	195		26	205	256	4-28	160
5	PJLT2×30-4	2×30	2×2.5	2×5.75	490	524	285	355	366	310	316	235	195		26	205	256	4-28	169
6	PJLT2×8-6	2×8	2×0.75	2×1.84	440	430	220	285	211	240	131	180	83		25	180	210	4-22	103
7	PJLT2×12-6	2×12	2×1.0	2×2.1	630	430	220	285	231	240	151	180	103		25	180	210	4-22	121
8	PJLT2×20-6	2×20	2×2.0	2×4.1	451	556	306	405	372	300	306	230	150		30	255	300	4-26	182
9	PJLT2×30-6	2×30	2×2.5	2×5.75	490	556	306	405	372	300	306	230	150		30	255	300	4-26	207
10	PJLT2×50-6	2×50	2×4.0	2×9.5	835	736	368	470	515	400	451	268	171	231	30	285	330	8-32	488
11	PJLT2×50-6A	2×50	2×3.7	2×7.4	625	656	340	450	435	400	375	268	103	161	30	285	330	8-32	343
12	PJLT2×75-6	2×75	2×5.5	2×11	865	736	368	470	515	400	451	268	171	231	35	285	330	8-32	560
13	PJLT2×100-6	2×100	2×7.5	2×17	790	810	410	560	500	400	441	268	140	200	40	328	376	8-32	720
14	PJLT2×150-6	2×150	2×11	2×25	873	810	410	560	555	400	491	268	195	251	40	328	376	8-32	810

YZU series Vibration Motor

Overview

The YZU series three-phase asynchronous vibration motor is a special motor that provides excitation sources for various types of grain vibration machinery, widely used in mechanical industries such as grain, seeds, stone, medicine, coal, etc. Suitable for various types of vibrating screens, grading screens, stone removal machines, cleaning screens, vibrating polishing machines, and other vibrating equipment.

Model Description



Feature

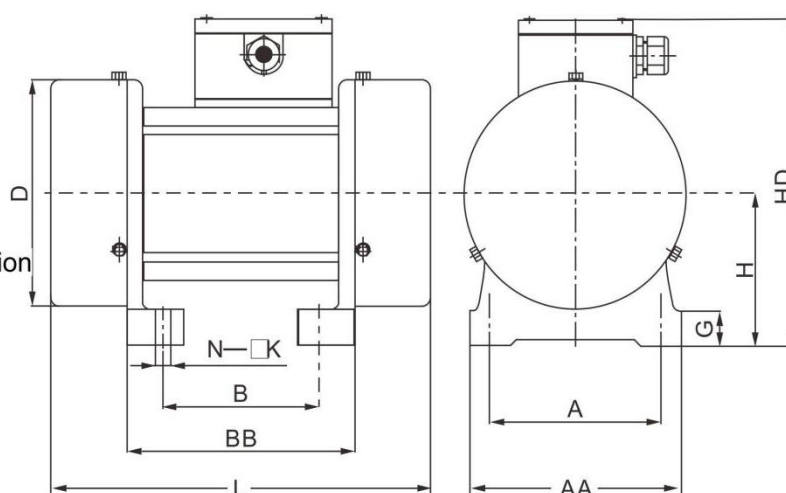
1. Reasonable design, excellent material selection, high efficiency, low temperature rise, low noise, and long service life.
2. Small size, light weight, high excitation force and stepless adjustment, easy to use and maintain.
3. The direction of the excitation force can be changed according to the installation method of the vibration motor.
4. Fully enclosed structure, capable of working in any dust environment without explosion-proof requirements.
5. Multiple units can synthesize various forms of vibration to meet various operational requirements.



Terms of Use

Environmental temperature: -15 ~40
 Sea level altitude: not exceeding 1000m
 Voltage: 380V
 Frequency: 50Hz
 Insulation level: F
 Protection level: IP54, IP55
 Working mode: S1
 Cooling method: IC410

Installation direction: Any direction
 (excluding those marked with installation instructions)



Special customization: We can design and manufacture vibration motors with dual frequencies (50Hz/60Hz), wide voltage bands, high altitudes, and different voltages, frequencies, and other special requirements according to user needs.

Technical Parameters of YZU series Vibration Motor

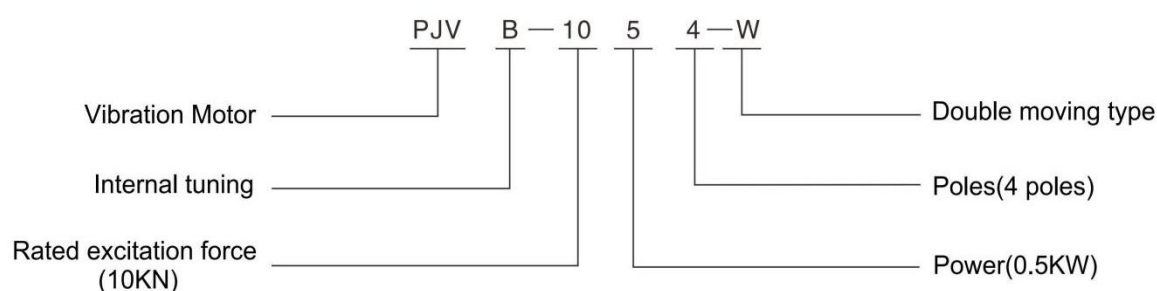
Model	technical parameters				installation dimensions (mm)					Overall dimensions (mm)					weight
	Rated excitation force (kN)	rated speed (r/min)	rated power (kW)	rated current (A)	A	B	N- φ K	AA	BB	H	G	HD	L	D	
2 Poles															
YZU-1-2A1	1	2800	0.09	0.30	110	100	4-10	136	142	80	22	184	222	142	8
YZU-2-2A	2		0.15	0.40	110	100	4-10	136	142	80	22	184	222	142	8.5
YZU-3-2A	3		0.20	0.50	110	100	4-10	136	150	95	22	207	256	142	11
YZU-6-2A	6		0.40	0.90	170	120	4-18	210	184	110	30	204	315	179	22
4 Poles															
YZU-2-4A	2	1400	0.12	0.40	110	120	4-10	136	162	80	22	184	270	142	11
YZU-3-4A1	3		0.12	0.40	150	90	4-12	176	156	95	22	207	302	142	15
YZU-5-4A1	5		0.25	0.78	170	120	4-18	206	172	110	30	204	303	179	21
YZU-6-4A2	6		0.37	0.86	170	120	4-18	210	180	130	35	239	373	209	30
YZU-8-4A	8		0.37	0.86	170	120	4-18	210	180	130	35	239	373	209	31
YZU-10-4A	10		0.55	1.46	170	120	4-18	210	180	130	35	259	373	209	33
YZU-12-4A	12		0.75	1.68	170	120	4-18	210	187	150	42	271	386	233	44
YZU-15-4A	15		0.75	1.68	170	120	4-18	210	187	150	42	271	386	233	46
6 Poles															
YZU-2-6A	2	960	0.20	0.60	150	120	4-14	180	170	105	25	193	323	170	21
YZU-3-6A	3		0.25	0.76	150	120	4-16	184	174	110	28	239	357	179	29
YZU-4-6A	4		0.25	0.76	170	120	4-18	206	176	130	35	259	349	209	35
YZU-5-6A	4		0.37	1.07	170	120	4-18	210	176	130	35	259	373	209	37
YZU-6-6A	6		0.30	0.90	170	120	4-18	210	185	150	38	271	384	233	50
YZU-7.5-6A	7.5		0.30	0.90	170	120	4-18	210	185	150	38	271	384	233	48
YZU-8-6A	8		0.55	1.50	170	120	4-18	210	185	150	38	285	409	233	50
YZU-9-6A	9		0.30	0.90	170	120	4-18	210	185	150	38	271	428	233	50
YZU-10-6A4	10		0.75	1.92	190	150	4-23	236	224	160	42	291	437	253	56
YZU-12-6A4	12		0.75	1.92	190	150	4-23	236	224	160	42	291	452	253	60
YZU-15-6A4	15		0.75	1.92	190	150	4-23	236	224	160	42	291	487	253	60
8 Poles															
YZU-4-8A	4	730	0.20	0.8	170	120	4-18	206	176	130	35	259	349	209	32
YZU-6-8A	6		0.35	1.0	170	120	4-18	210	179	160	38	280	378	233	47
YZU-9.5-8A	9.5		0.35	1.0	170	120	4-18	210	179	160	38	280	448	233	55
YZU-9.5-8A1	9.5		0.65	1.8	190	150	4-23	236	224	160	42	291	437	253	64
YZU-14-8A	14		0.65	1.8	190	150	4-23	236	224	160	42	291	487	253	68
10 Poles															
YZU-4-10A	4	560	0.18	0.80	170	120	4-18	210	179	160	38	280	434	233	50
YZU-5-10A	5		0.25	0.90	170	120	4-18	210	179	160	38	280	434	233	51
12 Poles															
YZU-4-12A	4	460	0.16	1.20	170	120	4-18	210	183	160	40	286	452	223	55

PJVB series Vibration Motor

Overview

The PJVB series three-phase asynchronous vibration motor is a universal vibration source for various types of vibration equipment. The product is widely used in vibration dewatering machines, vibration separators, mobile crushing stations, vibration screening machines, vibration feeders, vibration conveyors, vibration mining machines, vibration compaction tables, and vibration anti blocking devices for silos in industries such as power, building materials, grain, coal, mining, metallurgy, chemical, casting, railway, light industry, railway, port, and medicine.

Model Description



Feature

1. Reasonable design, excellent material selection, high efficiency, low temperature rise, and long service life;
2. The combination of excitation force and output force is appropriate, the body is lightweight, the starting torque is large, and the volume is small;
3. Due to the use of smooth rotation to generate vibration and low noise;
4. Fully enclosed structure, capable of working in any dust environment without explosion-proof requirements;
5. By adjusting the angle of the eccentric block, the excitation force can be adjusted;
6. The direction of the excitation force can be changed according to the installation method of the vibration motor;
7. Multiple units can be combined into various forms of vibration to meet various operational requirements.

Terms of Use

Environmental temperature: -20 ~40
 Sea level altitude: not exceeding 1000m
 Voltage: 380V
 Frequency: 50Hz
 Connection method: Y/
 Insulation level: F level
 Protection level: IP55
 Working mode: Continuous (S1)
 Cooling method: IC410

Installation direction: Any direction (excluding those marked with installation instructions)



Special customization: We can design and manufacture vibration motors with dual frequencies (50Hz/60Hz), wide voltage bands, high altitudes, and different voltages, frequencies, and other special requirements according to user needs.

PJVB series Vibration Motor Appearance Installation Diagram

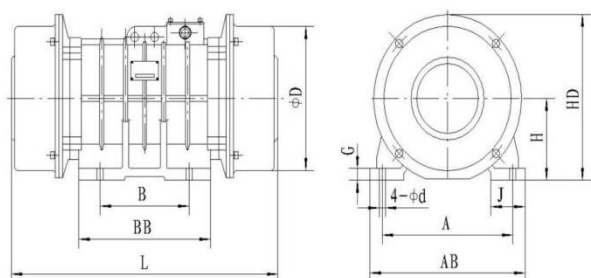


Figure 1

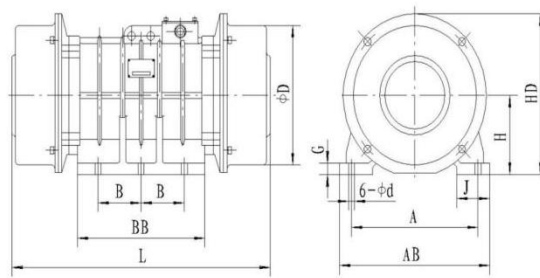


Figure 2

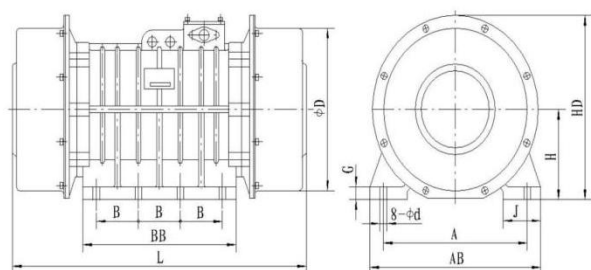


Figure 3

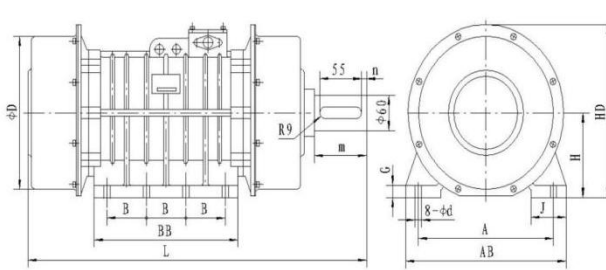


Figure 4

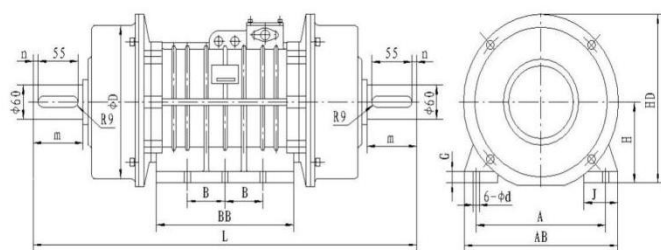


Figure 5

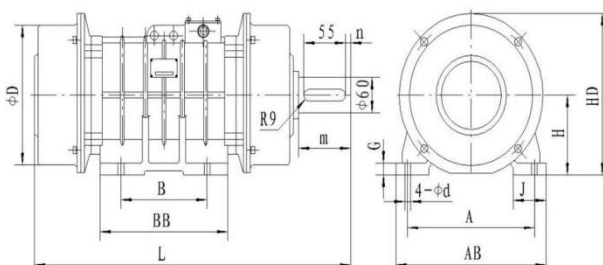


Figure 6

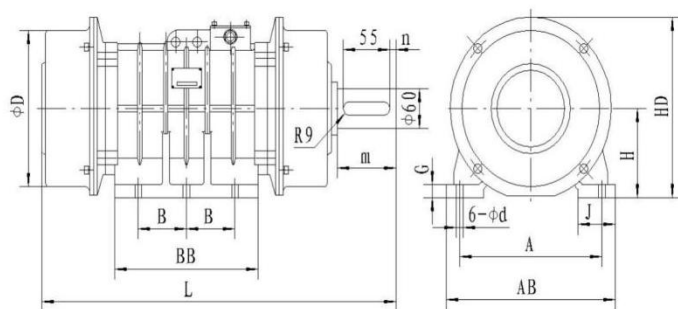


Figure 7



Technical Parameters of PJVB series Vibration Motor

Model	technical parameters				installation dimensions (mm)												Instal lation bolt size	weight	Figure	
	Rated excitation force (kN)	speed (r/min)	rated power (kW)	rated current (A)	A	B	AB	BB	D	L	J	G	H	HD	d					
2 Poles																				
VB-112-W	1.1	2805	0.09	0.29	106	64	130	104	93	195	30	9	65	155	9.5	M8	6.5	1		
VB-322-W	3	2600	0.20	0.55	160	90	190	130	123	325	50	14	70	180	14	M12	18	1		
VB-552-W	5	2875	0.50	1.39	170	120	220	165	138	315	55	16	85	206	18	M16	30	1		
VB-1082-W	10	2810	0.75	1.70	200	140	250	200	173	350	60	18	105	240	22	M20	39	1		
VB-10102-W	10	2880	1.0	2.35	200	140	250	190	173	345	60	18	105	240	22	M20	52	1		
VB-20182-W	20	2850	1.8	4.13	260	200	320	290	213	530	70	22	140	300	26	M24	107	1		
VB-40302-W	40	2870	3.0	6.20	350	220	430	320	224	590	100	33	185	355	38	M36	145	1		
4 Poles																				
VB-314-W	2.5	1400	0.12	0.57	160	100	190	145	178	295	40	14	96	214	14	M12	21	1		
VB-534-W	5	1400	0.25	1.02	180	110	220	140	203	295	50	15	112	247	14	M12	30	1		
VB-634-W	6	1450	0.30	0.93	200	110	240	155	203	330	55	16	112	247	18	M16	35	1		
VB-1054-W	10	1420	0.50	1.51	220	110	270	155	224	340	60	18	123	265	22	M20	45	1		
VB-1264-W	12	1440	0.60	1.82	220	145	270	190	224	445	60	18	123	278	22	M20	46	1		
VB-1584-W	15	1430	0.75	1.94	220	145	270	190	224	445	60	18	123	278	22	M20	47	1		
VB-20114-W	20	1430	1.10	2.75	220	160	270	220	254	485	60	22	140	295	26	M24	70	1		
VB-32154-W	31.5	1450	1.50	3.76	260	180	320	240	299	515	70	24	168	343	26	M24	111	1		
VB-50234-W	50	1450	2.25	5.12	350	220	430	330	364	565	100	30	192	392	38	M36	172	1		
VB-75374-W	75	1455	3.7	8.34	380	125	460	330	394	600	105	35	210	426	38	M36	238	2		
VB-80554-W	80	1445	5.5	11.39	305	125	360	356	364	690	81.5	30	192	392	26	M24	252	2		
VB-84554-W	84	1455	5.5	11.5	380	125	460	390	394	720	140	35	210	415	38	M36	293	2		
VB-100634-W	100	1460	6.3	12.62	440	140	530	450	454	795	125	36	240	486	45	M42	420	2		
VB-145894-W	145	1460	8.9	17.59	440	140	530	450	454	805	125	36	240	486	45	M42	457	2		
Model	technical parameters				installation dimensions (mm)												Instal lation bolt size	weight	Figure	
	Rated excitation force (kN)	speed (r/min)	rated power (kW)	rated current (A)	A	B	AB	BB	m	n	D	L	J	G	H	HD				d
6 Poles																				
VB-326-WC Specialized for grain machinery	3	950	0.20	0.82	140	100	170	145	60	3	180	330	40	14	96	214	13	M12	32	1
VB-326-W	3	950	0.20	0.82	160	100	190	145	/	/	180	330	40	14	96	214	14	M12	31	1
VB-546-WB Specialized for grain machinery	5	955	0.38	1.21	180	110	220	155	/	/	223	335	55	16	130	265	13	M12	40	1
VB-546-W	5	955	0.38	1.21	200	110	240	155	/	/	223	335	55	16	123	255	22	M20	42	1
VB-1076-W	10	960	0.70	2.14	220	160	270	220	/	/	254	450	60	22	140	295	26	M24	70	1
VB-1586-W	15	970	0.75	1.99	220	160	270	220	/	/	254	515	60	22	140	295	26	M24	73	1
VB-20156-W	20	965	1.52	3.99	260	180	320	240	/	/	299	540	70	24	168	343	26	M24	103	1
VB-32246-W	31.5	965	2.40	5.99	350	220	430	330	/	/	364	600	100	30	192	392	38	M36	183	1
VB-40306-W	40	975	3.0	7.41	350	220	430	330	/	/	364	640	100	30	192	392	38	M36	200	1

Technical Parameters of PJVB series Vibration Motor

Model	technical parameters				installation dimensions (mm)														Instal- lation bolt size	weight	Figure
	Rated excitation force (kN)	speed (r/min)	rated power (kW)	rated current (A)	A	B	AA	BB	m	n	D	L	J	G	H	HD	d				
6 Poles																					
VB-50326-W	50	970	3.20	7.83	350	250	430	330	/	/	364	660	100	30	192	392	38	M36	215	1	
VB-50326-W Uniaxial extension	50	970	3.20	7.83	350	250	430	330	60	3	364	770	100	30	192	392	38	M36	231	6	
VB-60376-W	60	975	3.70	9.02	350	220	430	330	/	/	364	700	100	30	192	392	38	M36	252	1	
VB-75556-W	75	970	5.50	12.60	380	125	480	385	/	/	454	755	105	35	240	486	38	M36	325	2	
VB-75556-W Uniaxial extension	75	970	5.50	12.60	380	125	480	385	60	3	454	846	105	35	240	486	38	M36	388	7	
VB-75556-W Dual axis extension	75	970	5.50	12.60	380	125	480	385	60	3	454	940	105	35	240	486	38	M36	391	5	
VB-100756-W	100	980	7.50	17.12	440	140	530	450	/	/	454	855	125	36	240	486	45	M42	410	2	
VB-100756-W Uniaxial extension	100	980	7.50	17.12	440	140	530	450	60	3	454	951	125	36	240	486	45	M42	503	7	
VB-135906-W	135	980	9.0	19.2	480	140	570	510	/	/	513	920	125	38	265	540	45	M42	630	3	
VB-135906-W Uniaxial extension	135	980	9.0	19.2	480	140	570	510	80	12.5	513	1011	125	38	265	540	45	M42	634	4	
VB-1601106-W	160	980	11.0	23.5	480	140	570	510	/	/	513	980	125	38	265	540	45	M42	686	3	
VB-1601106-W Uniaxial extension	160	980	11.0	23.5	480	140	570	510	80	12.5	513	1080	125	38	265	540	45	M42	722	4	
VB-1601106-W Specialized for the foundry industry	160	980	11.0	23.5	520	120	610	510	/	/	513	980	125	38	265	540	45	M42	720	3	
VB-1801306-W	180	985	13.0	27.8	520	140	610	510	/	/	561	970	125	38	290	570	45	M42	780	3	
VB-2001506-W	200	985	15	30.43	600	140	700	590	/	/	586	1015	125	45	310	603	45	M42	910	3	
VB-2201806-W	220	985	18	37.9	600	140	700	565	/	/	606	960	170	45	310	635	45	M42	1020	3	
VB-2401806-W	240	985	18	37.9	600	140	700	565	/	/	606	960	170	45	310	635	45	M42	1030	3	
8 Poles																					
VB-50308-W	50	725	3.0	8.05	380	125	460	330	394	760	105	35	210	412	38	M36	320	2			
VB-75558-W	75	735	5.5	15.14	440	140	530	450	454	985	125	36	240	486	45	M42	570	2			
VB-100758-W	100	735	7.5	17.8	480	140	570	510	513	995	125	38	265	540	45	M42	700	3			
VB-135908-W	135	735	9.0	21.2	480	140	570	510	513	1105	125	38	265	540	45	M42	780	3			
VB-1601108-W	160	740	11.0	25.8	520	140	610	510	561	1070	125	38	290	570	45	M42	880	3			
VB-2001508-W	200	745	15.0	33.9	600	140	700	590	586	1135	125	45	310	603	45	M42	1110	3			

TZF, LZF, F series Warehouse Wall Vibrators (Anti Blocking Device)

Overview

Warehouse wall vibrator, also known as vibration anti blocking device, is used to cause high-frequency vibration of the inclined wall of the material bin, tank or hopper leakage section, in order to prevent material arching, pipe loading channels, and blockage of the warehouse wall in the bin (tank, hopper), and ensure smooth flow of materials from the bin, tank or hopper. Warehouse wall vibrators are widely used in industries such as coal, building materials, metallurgy, refractory, power generation, ports, and railway transportation due to their advantages of simple structure, strong anti blocking ability, low energy consumption, long lifespan, and adjustable excitation force.

Install

1. The TZF and LZF series silo wall vibrators are directly welded to the silo wall of the all steel silo. The installation location is shown in Figure 1, where $L1=(1/3-1/4) L$.
2. The vibration force transmission range of a TZF or LZF type silo wall vibrator is about 4-5m, and users can determine the number of units to be installed in each silo according to its size.
3. When installing two silo wall vibrators symmetrically on both sides of the silo wall, the installation positions should be staggered by 50-100mm up and down to avoid mutual interference.
4. When using a silo wall vibrator for concrete silos and steel silos with reinforced bars, a vibration plate should be added to the inner wall, and the silo wall vibrator should be welded firmly to the vibration plate. The thickness of the vibration plate depends on the structure and volume of the silo, generally ranging from 16mm to 25mm. Square holes should be pre drilled on the silo, and seamless steel pipes for fixing bolts should be pre embedded. The embedded seamless steel pipe must be perpendicular to the warehouse wall. If the thickness of the warehouse wall is less than 100mm, the seamless steel pipe must be extended towards the outer wall.
5. The power supply for the vibration motor on the warehouse wall vibrator is 380V 50Hz.
6. The cable of the vibration motor also participates in vibration, and the curvature radius of the cable suspension should be greater than 90mm. The distance between the cable from the outlet of the vibration motor to the cable fixing bracket should be maintained at 500-1000mm.



Operation and Maintenance

At the beginning of the operation of the vibration motor, due to the running in between the bolts, nuts and the base plane, the fastening force will be reduced and small looseness will occur. Therefore, the foot bolts of the vibration motor should be tightened multiple times during the initial operation. At the beginning, they should be tightened once a day, and after two weeks, they should be checked and tightened once a week.

Specifications and Technical Parameters of TZF、LZF series Warehouse Wall Vibrators

model	Scope of application		Equipped with vibration motor			Dimensions (mm)
	Warehouse wall thickness mm	Conical storage capacity t	excitation force N	power kW	weight kg	
TZF-3	1.6 ~ 3.2	0.35	700	0.075	16.5	285X270X325
TZF-4	3.2 ~ 4.5	1	1500	0.12	25	330X310X263
TZF-5	4.5 ~ 6	3	2500	0.22	32	330X318X268
TZF-6	6 ~ 8	10	5000	0.37	53	460X400X350
TZF-10	8 ~ 10	20	10000	0.75	84	460X440X400
TZF-15	10 ~ 13	50	15000	1.1	166	586X548X553
TZF-25	15 ~ 25	150	30000	2.2	220	597X728X430
TZF-40	25 ~ 40	250	40000	3	280	673X820X450

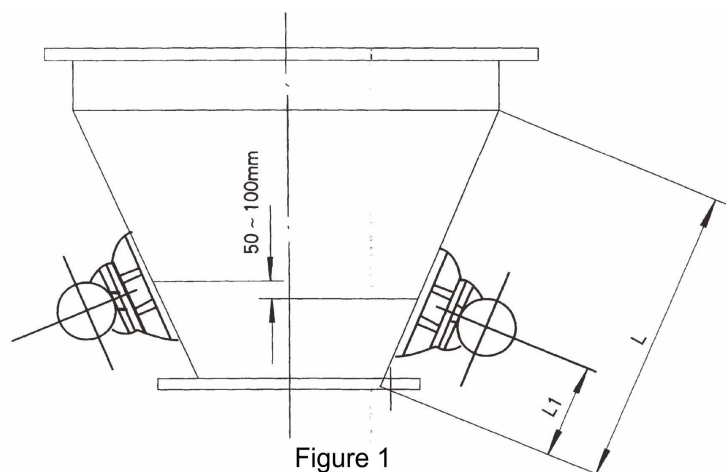


Figure 1

Structural Form

According to the different types of silo structures, there are two types of silo wall vibrators:

The TZF series silo wall vibrator is used for silos made of all steel plates, and its structure is shown in the introduction diagram. The vibration motor is fixed to the platform through bolts, and the platform is directly welded to the steel outer wall of the material leakage section of the silo, as shown in Figure 1.

The F series vibration plate is used for concrete silos or steel structure silos with reinforced bars. This type of silo cannot directly vibrate the silo wall through a vibration motor. A vibration plate needs to be added to the inner wall of the silo. In order to improve the vibration effect, the vibration plate is only fixed to the silo wall with bolts on the upper part. The silo wall vibrator is welded to the vibration plate, and rubber sealing plates are fixed on the upper and side edges of the vibration plate. In order to fix the vibration plate and the concrete silo wall of the silo, steel pipes should be drilled and pre embedded with fixing bolts, as shown in Figure 2.

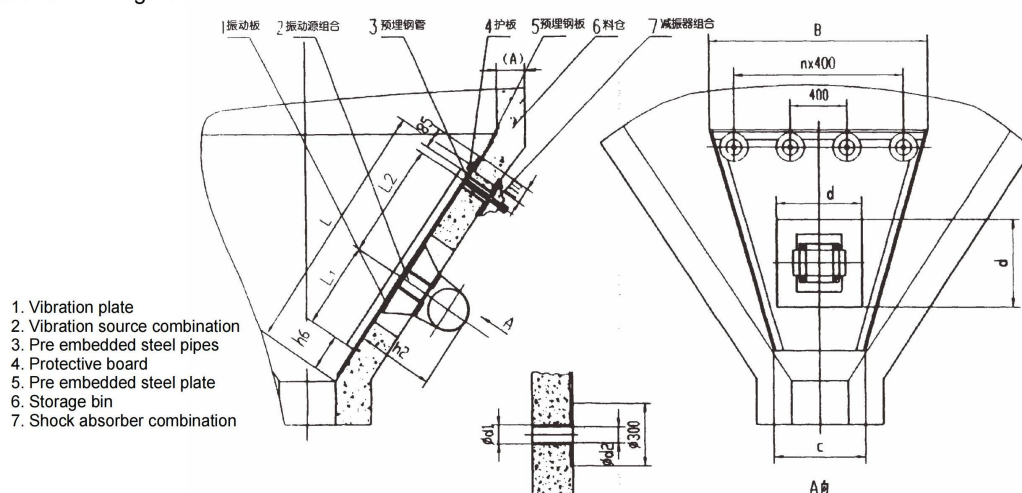


Figure 2

Specification and Technical Parameters of F-series Warehouse Wall Vibrator

Model	h2	L	L1	L2	C	B	n	d	A	φ d1	φ d2
F5	372	1520+h6	600	800	450	1550	3	550	200	89	77
F6	416	1520+h6	600	800	480	1550	3	550	200	89	77
F10	390	2000+h6	800	1000	550	2000	4	660	200	89	77
F15	568	2000+h6	800	1000	650	2350	5	750	240	159	147
F25	664	2400+h6	1000	1000	700	2600	5	850	300	159	147
F40	625	2600+h6	1000	1200	850	3000	6	1000	200	159	147

YZO/JZO series Universal Vibration Motor

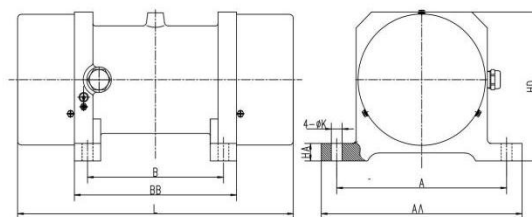


Figure 1

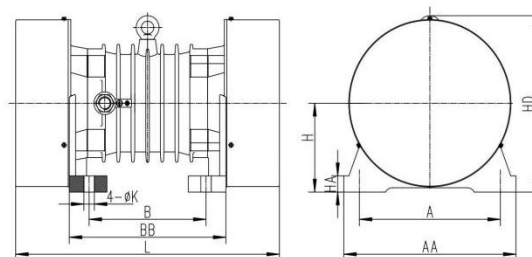
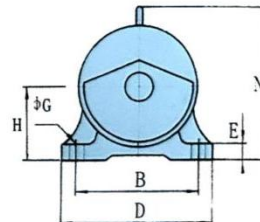
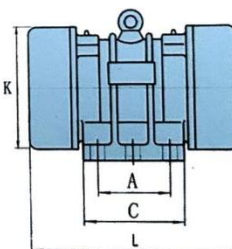


Figure 2

model	Rated excitation force (KN)	rated power (KW)	current (A)	Exterior installation dimensions (mm)									weight	Figure
				A	B	H	HA	φ K	AA	BB	HD	L		
3 phases and 2 poles														
YZO-1.5-2	1.5	0.15	0.38	180	124	90	20	10	214	178	165	265	15	1
YZO-2.5-2	2.5	0.25	0.58	180	150	90	20	12	214	178	165	295	16	1
YZO-5-2	5	0.4	1.15	220	176	1022	2	14	260	210	190	240	22	1
YZO-8-2	8	0.75	1.84	236	182	140	23	18	290	245	270	395	43	2
YZO-10-2	10	0.75	1.88	236	180	140	23	18	290	245	270	395	45	2
YZO-16-2	16	1.5	3.84	236	200	140	23	18	290	245	270	415	49	2
3 phases and 4 poles														
YZO-2.5-4	2.5	0.25	0.92	180	150	90	20	12	214	178	165	325	16	1
YZO-5-4	5	0.4	1.15	220	176	102	22	14	260	210	190	360	28	1
YZO-8-4	8	0.75	2.1	236	180	140	23	18	290	245	270	395	47	2
YZO-10-4	10	1	2.3	236	180	140	23	18	290	245	270	395	49	2
YZO-17-4	17	0.75	1.8	260	150	140	50	28	310	230	293	522	53	1
YZO-20-4	20	2	4.1	270	224	165	30	20	330	298	330	505	78	2
YZO-30-4	30	2.5	5.75	326	184	195	35	30	400	300	390	535	122	2
YZO-50-4	50	3.7	7.4	326	184	195	35	30	400	300	390	535	143	2
3 phases and 6 poles														
YZO-5-6	5	0.4	1.15	220	176	120	22	14	280	230	265	390	36	1
YZO-8-6	8	0.75	1.84	236	180	140	23	18	290	245	270	460	36	2
YZO-10-6	10	0.75	2.3	236	180	140	23	18	290	245	270	460	58	2
YZO-12-6	12	1	2.5	260	150	140	30	28	310	230	293	522	57	2
YZO-18-6	18	1.1	3.8	270	224	165	30	20	330	298	330	505	91	2
YZO-20-6	20	2	4.1	270	224	165	30	20	330	298	330	505	93	2
YZO-30-6	30	2.5	5.75	326	184	195	35	30	400	300	390	535	145	2
YZO-40-6	40	3	7.9	326	184	195	35	30	400	300	390	575	155	2
YZO-50-6	50	3.7	9.42	326	184	195	35	30	400	300	390	575	165	2

TZD/TZDC series Universal Vibration Motor



型号 TYPE	frequency r.p.m	Max excitation force C.F(N)	rated power kw	Rated current Amp/380v	重量 Weight (kg)	Appearance and installation dimensions										紧固 螺栓 Screw
						L	A	B	C	D	E	φG	H	K	N	
TZDC-0.7-2	3000	0.7	0.07	0.20	14	290	125	150	145	180	20	8	70	140	160	M 8
TZDC-11-2		1.5	0.15	0.50	19	320	135	180	160	214	20	11	80	165	180	M10
TZDC-12-2		2.5	0.25	0.75	23	340	150	180	178	214	20	13	80	165	180	M12
TZDC-21-2		5	0.40	1.25	37	370	176	220	210	270	20	15	90	185	216	M14
TZDC-31-2		8	0.75	2.50	54	420	179	236	245	300	25	19	130	228	270	M18
TZDC-32-2		12	1.10	2.50	59	420	179	236	245	300	25	19	130	228	270	M18
TZDC-41-2		16	1.50	3.30	99	536	224	270	300	340	30	21	157	269	350	M20
TZDC-42-2		24	2.20	5.36	105	536	224	270	298	330	30	21	157	269	312	M20
TZDC-51-2		32	3.00	6.90	115	619	283	385	387	465	30	31	170	269	443	M30
TZDC-11-4C	1500	1.2	0.12	0.40	17	320	135	180	150	230	25	11	80	165	180	M10
TZDC-12-4		2.5	0.10	0.30	27	345	150	180	180	220	20	13	80	165	190	M12
TZDC-21-4		5	0.20	0.80	42	385	176	220	210	270	20	15	90	185	216	M14
TZDC-31-4		8	0.40	1.50	67	430	179	236	245	290	25	19	130	224	285	M18
TZDC-41-4		16	0.75	2.10	110	565	224	270	300	330	30	21	157	269	350	M20
TZDC-51-4		32	1.50	3.50	168	590	230	340	336	420	30	31	190	307	365	M30
TZDC-52-4		40	2.00	4.88	173	590	230	340	336	430	30	31	180	307	365	M30
TZDC-61-4		50	2.20	5.00	300	610	222	390	362	480	30	34	225	363	432	M33
TZDC-62-4C		75	3.00	7.60	370	730	222	390	360	490	30	34	225	363	455	M33
TZDC-71-4	1000	75	3.70	8.40	335	620	248	440	384	520	35	38	225	363	435	M36
TZDC-11-6C		2.5	0.25	0.65	35	380	146	220	180	275	30	13	90	185	250	M12
TZDC-21-6C		5	0.40	1.25	45	460	176	220	210	275	20	15	95	185	250	M14
TZDC-31-6		10	0.75	2.30	73	470	179	236	240	290	25	19	140	264	295	M18
TZDC-41-6		20	1.50	3.90	138	555	224	270	300	330	30	21	172	307	345	M20
TZDC-51-6		30	2.20	5.50	210	580	230	340	310	420	30	31	190	363	400	M30
TZDC-52-6C		40	3.00	6.30	230	620	230	340	310	420	30	31	190	363	400	M30
TZDC-61-6		50	3.70	9.10	285	710	222	390	360	480	30	34	225	363	455	M33
TZDC-62-6		60	4.50	11.20	290	610	222	390	362	480	30	34	240	363	432	M33
TZDC-71-6	750	75	5.50	15.00	410	770	248	440	400	520	35	37	240	466	500	M36
TZDC-72-6C		90	7.50	20.00	480	850	248	440	400	520	35	37	240	466	500	M36
TZDC-81-6		100	7.50	20.00	635	660	240	460	430	620	40	42	280	544	560	M42
TZDC-81-6C		125	10.00	25.00	810	1078	360	480	530	620	40	43	280	544	560	M42
TZDC-41-8C		20	1.50	5.20	140	560	224	270	290	340	35	21	172	307	360	M20
TZDC-51-8C		30	2.20	6.10	245	650	230	340	310	420	30	31	190	363	400	M30
TZDC-61-8C	750	50	3.70	9.10	350	748	222	390	344	480	30	37	225	423	455	M36
TZDC-71-8C		75	5.50	11.60	500	900	248	440	400	520	35	37	240	466	502	M36
TZDC-81-8C		125	10.00	24.20	830	1078	360	480	530	620	40	43	280	544	560	M42

PJCBX Type Flange Type Thin Oil Lubrication Exciter Model



This product is a widely used core power source for vibration equipment and plays a key role in the effectiveness of vibration equipment.

This product adopts advanced vibration exciter structure design, with high bearing chamber strength and higher seismic performance. It is finely manufactured by CNC machining center, with reliable process, low bearing load, low temperature rise, stable operation, easy maintenance, and long service life. It is widely used in vibration separation equipment in mining, coal, building materials and other industries, suitable for circular vibrating screen, linear screen, dewatering screen, high-frequency screen, etc. According to the equipment performance, it can be divided into various usage modes such as single axis, double axis, multi axis, etc.

model	excitation force (KN)	unit power (kw)	unite weight (kg)	installation dimensions(mm)					
				D1	D2	D3	aperture	installation bolts	Figure
PJCBX-40-6	40	11	180	415	365	315	21	20	1
PJCBX-60-6	60	15		455	415	365	21	20	2
PJCBX-75-6	75	18.5		500	450	400	21	20	2
PJCBX-100-6	100	22		530	480	430	21	20	2
PJCBX-100-6J	100	22		560	480	370	31	30	3
PJCBX-150-6	150	30		590	500	395	31	30	3
PJCBX-200-6	200	37		620	530	420	31	30	3
PJCBX-300-6	300	42		740	650	530	31	30	4

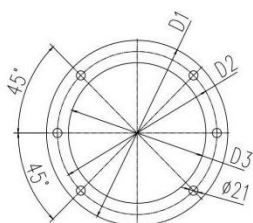


Figure 1

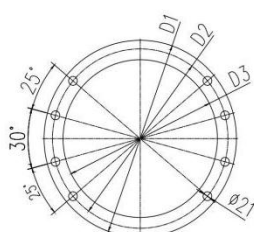


Figure 2

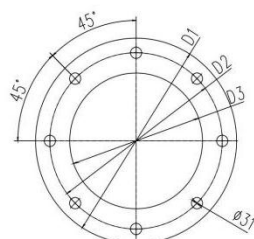


Figure 3

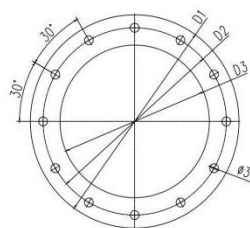


Figure 4

PJFX type Box type Exciter

The box type exciter is a high-efficiency box type exciter manufactured using advanced technology and processing techniques. The product comes in two types and multiple models: gear forced synchronous exciter and dual axis exciter. High quality vibration bearings are selected, and the exciter housing is finely crafted with advantages such as light structure, good sealing, fast heat dissipation, easy maintenance, and long service life. It can operate continuously at high frequencies and is widely applicable to various types of vibration equipment.



model	Max excitation force (KN)	installation dimensions (mm)				
		A	A1	B	aperture	Figure
PJFX200-A	200	4 × 120		260	Φ 25	1
PJFX300-A	300	5 × 120		300	Φ 31	2
PJFX350-A	350	5 × 120		300	Φ 31	2
PJFX400-A	400	5 × 120		300	Φ 31	2
PJFX550-A	550	4 × 120	150	390	Φ 31	3
PJFX600-A	600	4 × 120	150	390	Φ 31	3
PJFX150-B	150	4 × 120		240	Φ 26	1
PJFX200-B	200	5 × 120		240	Φ 33	2

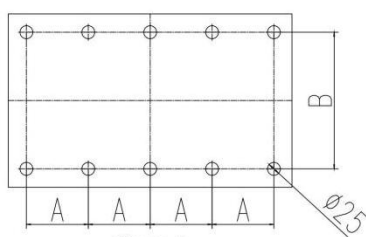


Figure 1

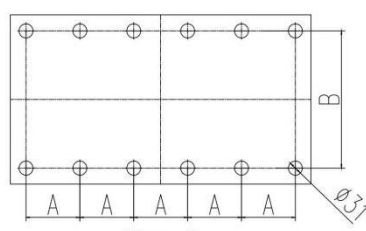


Figure 2

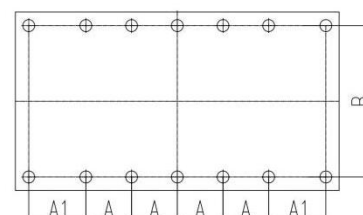


Figure 3

PJFG type Dry Oil Shaker

This product is an improved version developed by our company based on the advantages of flanged vibrators and side plate vibration motors. With a well-designed structure, it is precision-machined using numerical control centers, ensuring reliable craftsmanship. It features low bearing load, minimal temperature rise, stable operation, easy maintenance, long service life, and convenient installation. Widely used in industries such as mining, coal, and building materials for vibrating screening equipment, it is suitable for circular vibrating screens, linear screens, dewatering screens, and high-frequency screens.



Model	excitation force (KN)	Single axis power (kw)	installation dimensions (mm)					
			D1	D2	D3	aperture	bolt	Figure
PJFG-40-6	40	11	415	365	315	21	20	1
PJFG-60-6	60	15	455	415	365	21	20	2
PJFG-75-6	75	18.5	500	450	400	21	20	2
PJFG-100-6	100	22	530	480	430	21	20	2

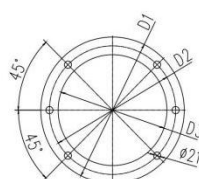


Figure 1

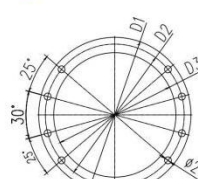
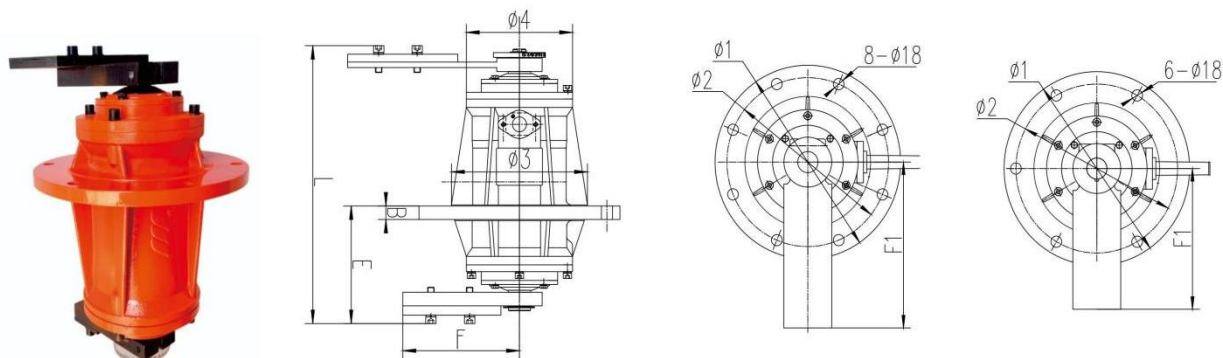


Figure 2

PJLS Vertical Series Vibration Motor



model	excit ation force KN	Upward excitation force KN	Downward excitation force KN	power KW	current A	speed r/min	Φ 1	Φ 2	Φ 3	Φ 4	B	E	F	L	mount ing hole	weight kg	frame size
PJLS 800/15-SC-A	8	6	2	0.4	1.4	1500	270	240	190	159	13	134	150	365	6-φ18	31	3#
PJLS 1100/15-SC-A	10	7.5	2.5	0.4	1.4	1500	310	270	210	168	20	182	150	424	8-φ18	40	4#
PJLS 1500/15-SC-A	15	12	3	0.45	1.78	1500	310	270	210	168	20	188	165	442	8-φ18	42	4#
PJLS 2000/15-SC-A	20	10	10	0.75	2.16	1500	310	270	210	168	20	182	165	432	8-φ18	47	4#

PJLS Vertical Vibration

Application: Circular vibrating screen, vibrating polishing machine

Advantages: Fast, easy to install and maintain, bearings are maintenance free.

Voltage: 220, 380 and other special voltages.

Frequency: 50, 60 and other customized options.

Protection level: IP66

Insulation level: F level, can be used for H-level insulation.

Indicator: The lower end is equipped with a circular dial, which can be adjusted from the side for easy observation.

Excitation force: Different forms of eccentric blocks can be selected to meet the needs of different circular vibrating screens.

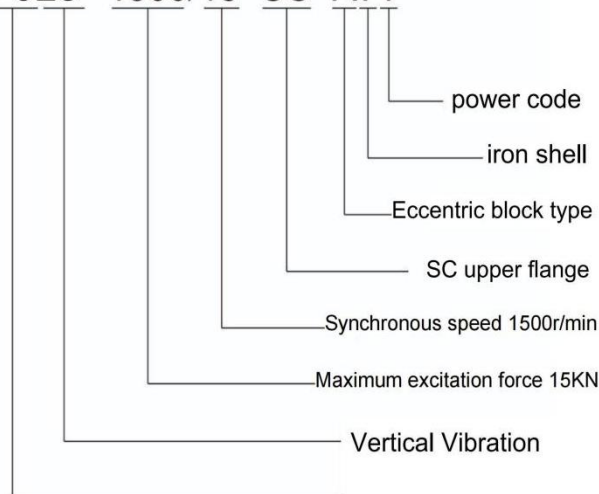
The disc type eccentric block can achieve different excitation forces up and down, and adjust different angles up and down, allowing the material to move along the desired trajectory.

Altitude: <1000m, can customize motors for high altitude and high humidity environments.

Environmental temperature: -30 to +50 .

Work schedule: S1, customizable for frequent startup.

PJLS -1500/15-SC-AT1



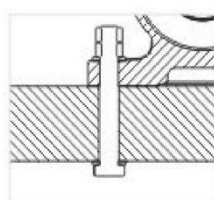
安装 Mounting

The installation surface of the vibration motor must be flat, and the flatness tolerance of the installation surface should be less than 0.08mm to ensure that the internal stress generated by the vibration motor housing is minimized when the bolts are tightened, thereby avoiding the breakage of the base. The bottom bolt of the vibration motor should be selected with high-strength bolts of no less than grade 8.8 and nuts and flat washers of grade 8 according to the aperture. The following table shows the tightening torque of various related bolts. Please make sure to tighten the foot bolts according to the corresponding torque.

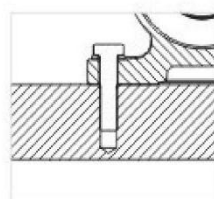
电机/设备安装面 Motor/Machine interface

螺栓 Screw		垫片 Washer		拧紧力矩 Clamping torque	
公制 Metric	英制 Imperial	公制 Metric	英制 平垫 Imperial Flat washer	(NM)	(ft-lb)
M6	1/4"	6.4x12	1/4"	9	6.5
M8	5/16"	8.4x16	5/16"	23	16.5
M10	3/8"	10.5x20	3/8"	45	33
M12	1/2"	13 x24	1/2"	80	58
M16	5/8"	17 x 30	5/8"	185	137
M20	13/16"	21x37	13/16"	373	275
M22	7/8"	23x39	7/8"	55	411
M24	15/16"	25 x44	15/16"	696	513
M27	1"	28x50	1"	873	645
M36	-3/8"	37x66	-3/8"	1, 864	1, 370
M42	1-5/8"	43x78	1-5/8"	2, 850	2, 102

固定 FIXING

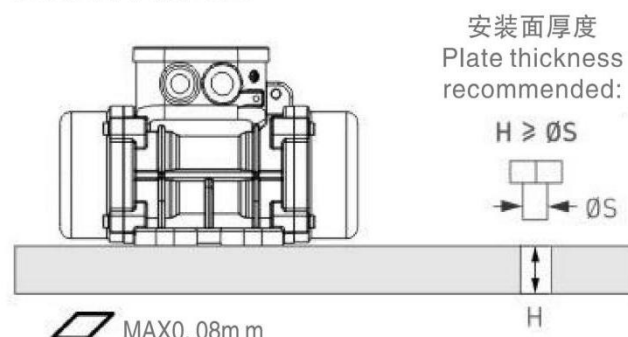


通孔+螺栓+平垫+螺母
Smooth through hole
+ screw + flat washer
+ nut and counternut



盲孔+螺栓+平垫
Tapped threaded hole
+ screw + flat washer

安装面平面度公差 SURFACE FLATNESS TOLERANCE



安装面经过加工且禁止涂漆
MACHINED & NOT PAINTED
SUPPORT PLATE .

偏心块调节 – 类型A

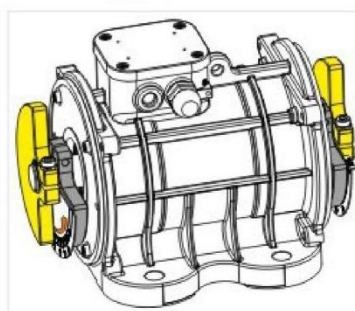
Adjustable masses – Type A



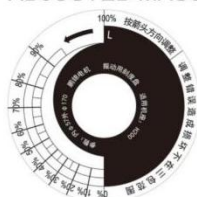
100%激振力
MASSES AT 100%

根据偏心块指示牌
调节所需激振力：
总是从指示牌上粗
的标识向细的标识
调节。

Rotate the mass
following the
design on the
plate: from the
thicker tip towards
the thin tip.



正确调节
ADJUSTED MASSES



错误调节
WRONG ADJUSTED MASSES

偏心块旋转方向
和接线头相反。
Rotate the masses
in the opposite
direction to the
cable gland.

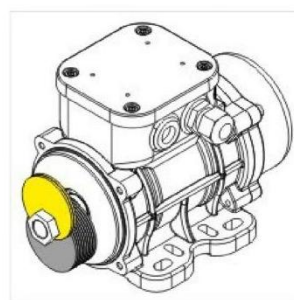


偏心块调节 – 类型B

Adjustable masses – Type B (blade masses)



100%激振力
MASSES AT 100%



正确调节
ADJUSTED MASSES

片状偏心块总数 Number of blades	5+5	8+8	9+9	12+12	13+13
两边各翻起一片所减少的激振力 (%) The force reduced if turn up one blade on both side	40	25	22.2	16.7	15.4



警告：安装前请勿对新电机添加油脂。
Warning: DO NOT grease new motors before installation.

小功率振动电机采用专用滚珠
轴承，已注入专用的润滑油脂，
无需维护；大功率振动电机采
用专用圆柱滚子轴承，出厂前
已添加足量油脂。

motors with roller bearings
already come from the factory
filled with the right quantity of
grease while those with ball bearing
do not need greasing.



Hangzhou GT Rail Traffic Equipment Co., Ltd

Address: No.21 Jinfeng 3rd Road, Yipeng Street, Qiantang District, Hangzhou City, Zhejiang Province, China.

Web: www.ivhdrive.com <http://ivhdrive.en.alibaba.com>

Email: info@ivhdrive.com william@ivhdrive.com

Mob: +86 187 5820 4915

Professional Industry-Trade Integration.

Equipment And Integrated Solution Provider.

Integrity, Focus, Innovation.

