

Three-phase Industrial Vibrators

EB, EB-X Series



The EA and EB series of electric unbalanced vibrators (as well as their ATEX versions) are comprehensive ranges of three-phase industrial vibrators with bolt-on mounting.

The EA and EB ranges are extensive: they offer speeds ranging from 750 rpm to 3 000 rpm, with a centrifugal force of up to 10 kN for the most powerful model in the series.

The vibrations generated are suitable for a wide range of sectors: chemicals, quarrying, plastics, energy, civil engineering, recycling, food processing...

On request :

Insulation class H – Stainless steel feeder side covers – Special center distances – Special voltages and frequencies – Addition of heating resistor.

EA series vibrators can be used with a frequency converter, which we can supply on demand,



Features:

- Standard three-phase power supply 400 V at 50 Hz
- Insulation class F
- Mechanical protection: IP65-7
- Class H resin-impregnated motor (ASTM method)
- Improved NiCrMo steel motor shaft
- Oversized bearings, lubricated with special "LONG-LIFE" grease KLUBER STABURAGS NBU 8 EP
- Supplied unwired and boltless



Highlights:

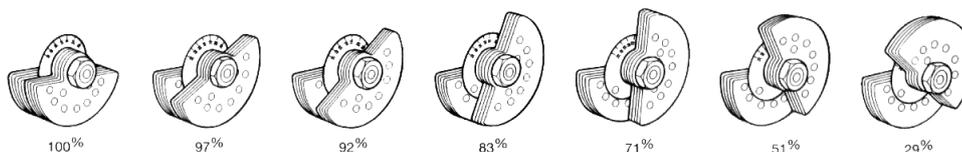
- Electric motor designed with low-loss silicon magnetic steel air gaps, for enhanced performance and reduced heat build-up
- Continuous operation at maximum centrifugal force
- Adjustable centrifugal weights to vary centrifugal force from 30 to 100%.

Energy : Electric

Sectors : Building and construction, Industry, Prefabrication

Applications : Compaction, Conveying, Draining, Flow, Screening, Sieving, Sorting, Unclogging

Adjustment of the vibration intensity



EB 75--

230 / 400 V - 50 Hz and 240 / 480 V - 60 Hz adjustable weight

Special tension from 24 V to 690 V 50 Hz and 60 Hz available on request

8 Poles – 750 rpm - 50 Hz and 900 rpm - 60 Hz

Type	Static Moment (Kg/mm)		Centrifugal Force (Kg)		Weight (Kg)		Input power/ Nominal power (W)		Nominal current (A)		IS/IN Ratio	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	400 V 50 Hz	480 V 60 Hz	50 Hz	60 Hz
EB7507	826	826	519	748	54	54	450/270	500/300	1.30	1.20	2.50	2.92
EB7509	1208	1201	759	1093	70	70	550/330	600/360	1.60	1.40	2.45	2.95
EB7512	1629	1629	1025	1475	95	95	1120/770	1200/840	2.52	2.43	3.51	3.70
EB7515	2007	2007	1260	1815	108	108	1120/1000	1200/1070	2.52	2.43	3.51	3.70
EB7520	2594	2594	1631	2348	134	134	1600/1250	1800/1400	4.00	4.00	3.15	3.15
EB7532	4088	4088	2571	3700	192	192	2200/1600	2400/1840	5.00	4.90	3.44	3.51
EB7548	6240	6240	3925	5647	266	266	4500/3500	5000/3900	9.20	8.80	4.29	4.53
EB7558	7650	7650	4810	6927	315	315	5500/4600	6500/5400	10.70	10.50	4.02	4.10
EB7567	8651	8651	5441	7829	368	368	6000/5000	7000/6800	11.50	11.20	3.74	3.84
EB7583	10748	10748	6760	9727	409	409	7000/6000	8000/7100	13.60	13.00	3.63	3.83
EB7593	12015	12015	7557	10874	425	425	7500/6600	8500/7600	14.70	13.40	3.36	3.72
EB75205	29115	24854	18284	22493	880	850	12850/11950	13800/12800	26.10	24.40	5.70	5.60

Type	FIG	A	B	C	D	ØE	F	G	L	M	ØN	P	Q	R	S
EB7507	1	488	245	260	258	219	122	107	140	190	4 x M16	190	40	45	25
EB7509	1	544	245	260	258	219	122	135	140	190	4 x M16	190	40	45	25
EB7512	1	580	275	283	278	239	132	136	155	225	4 x M20	205	50	55	30
EB7515	1	635	275	283	278	239	132	159	155	225	4 x M20	205	50	55	30
EB7520	1	610	325	344	325	283	157	137	155	255	4 x M22	220	55	60	35
EB7532	1	697	340	374	355	309	172	160	180	280	4 x M24	240	60	65	40
EB7548	1	782	390	413	398	347	191	177	200	320	4 x M27	280	75	78	45
EB7558	1	782	390	413	398	347	191	202	200	320	4 x M27	280	75	78	45
EB7567	2	864	455	448	460	411	225	197	130	375	6 x M30	340	86	83	50
EB7583	2	864	455	448	460	411	225	197	130	375	6 x M30	340	86	83	50
EB7593	2	900	455	448	460	411	225	197	130	375	6 x M30	340	86	83	50
EB75205	3	1100	615	600	595	541	300	223	140	520	8 x M42	545	90	100	50

Dimensions : mm

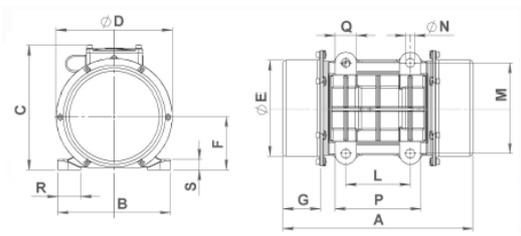


FIG 1

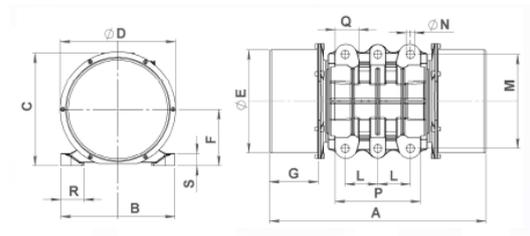


FIG 2

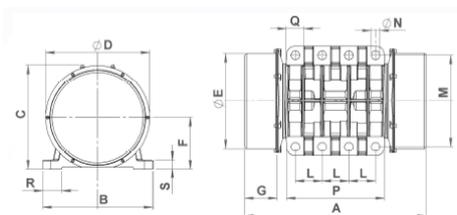


FIG 3

EB 10--

230 / 400 V - 50 Hz and 240 / 480 V - 60 Hz adjustable weight

Special tension from 24 V to 690 V 50 Hz and 60 Hz available on request

6 Poles – 1 000 rpm - 50 Hz and 1 200 rpm - 60 Hz

Type	Static Moment (Kg/mm)		Centrifugal Force (Kg)		Weight (Kg)		Input power/ Nominal power (W)		Nominal current (A)		IS/IN Ratio	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	400 V 50 Hz	460 V 60 Hz	50 Hz	60 Hz
EB1010*	826	577	923	929	54	50	720 / 370	800 / 450	1.57	1.53	3.80	4.08
EB1013-X	1208	826	1350	1330	70	63	800 / 610	880 / 520	1.75	1.70	3.89	4.20
EB1020	1629	1237	1820	1992	95	86	1200 / 960	1400 / 1090	2.50	2.40	4.61	4.94
EB1023	2007	1629	2243	2345	108	97	1280 / 1000	1400 / 1100	2.70	2.55	4.43	4.65
EB1030	2594	2030	2900	3268	134	127	2000 / 1500	2100 / 1570	4.40	4.20	5.31	5.50
EB1050	4088	3115	4570	5015	192	181	2600 / 2060	3000 / 2300	5.00	5.00	5.84	5.80
EB1070	6240	4088	6976	6582	266	242	5500 / 4350	6000 / 5100	9.50	9.50	6.15	6.19
EB1085	7650	5280	8550	8500	315	287	8000 / 6800	8500 / 6900	14.40	13.00	4.78	5.37
EB10100	8651	5908	9671	9512	368	343	8500 / 7200	8800 / 7200	15.00	14.30	4.59	4.88
EB10120	10748	7650	12015	12315	409	383	9800 / 8500	10800 / 9300	17.00	16.70	5.00	5.20
EB10135	12015	-	13431	-	425	-	10000 / 8500	-	17.20	-	4.95	-
EB10230	20593	12485	23021	20101	810	760	18700/16800	20000/18000	30.10	28.40	6.20	6.40

Type	FIG	A	B	C	D	ØE	F	G	L	M	ØN	P	Q	R	S
EB1010*	1	488	245	260	258	219	122	107	140	190	4 x M16	190	40	45	25
EB1013-X	1	544	245	260	258	219	122	135	140	190	4 x M16	190	40	45	25
EB1020	1	580	275	283	278	239	132	136	155	225	4 x M20	205	50	55	30
EB1023	1	635	275	283	278	239	132	159	155	225	4 x M20	205	50	55	30
EB1030	1	610	325	344	325	283	157	137	155	255	4 x M22	220	55	60	35
EB1050	1	697	340	374	355	309	172	160	180	280	4 x M24	240	60	65	40
EB1070	1	782	390	413	398	347	191	177	200	320	4 x M27	280	75	78	45
EB1085	1	782	390	413	398	347	191	202	200	320	4 x M27	280	75	78	45
EB10100	2	864	455	448	460	411	225	197	130	375	6 x M30	340	86	83	50
EB10120	2	900	455	448	460	411	225	197	130	375	6 x M30	340	86	83	50
EB10135	2	900	455	448	460	411	225	197	130	375	6 x M30	340	86	83	50
EB10230	3	990	615	600	595	541	300	168	140	520	8 x M42	545	90	100	50

Dimensions : mm * Available in ATEX and NON-ATEX versions

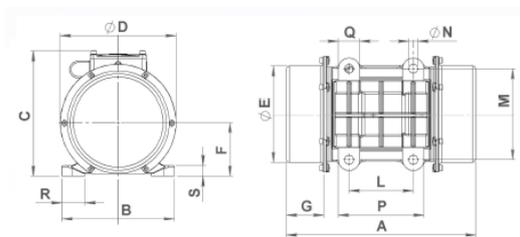


FIG 1

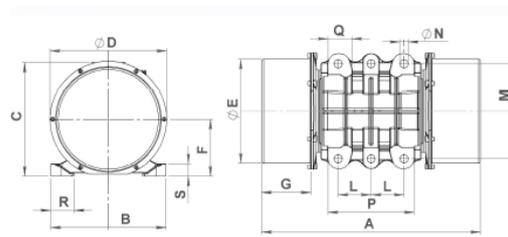


FIG 2

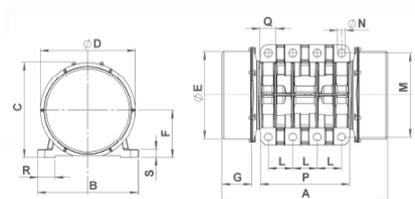


FIG 3

EB 15--

230 / 400 V - 50 Hz and 240 / 480 V - 60 Hz adjustable weight

Special tension from 24 V to 690 V 50 Hz and 60 Hz available on request

4 Poles – 1 500 rpm - 50 Hz and 1 800 rpm - 60 Hz

Type	Static Moment (Kg/mm)		Centrifugal Force (Kg)		Weight (Kg)		Input power/ Nominal power (W)		Nominal current (A)		IS/IN Ratio	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	400 V 50 Hz	460 V 60 Hz	50 Hz	60 Hz
EB1515*	577	442	1451	1601	54	51	950 / 500	1100 / 500	1.50	1.50	4.63	4.82
EB1520*	826	577	2076	2090	62	58	1200 / 650	1250 / 650	2.20	2.00	4.80	5.49
EB1527	1082	751	2721	2720	82	75	1730 / 1430	1895 / 1470	3.50	3.35	6.74	7.20
EB1538	1521	1047	3825	3792	112	106	2200 / 1840	2450 / 1950	4.60	4.70	6.89	6.57
EB1550	1983	1372	4988	4969	155	138	3300 / 2650	3300 / 2650	5.40	4.90	4.03	4.50
EB1570	2632	1818	6620	6585	215	206	6000 / 5150	6000 / 5100	10.50	9.50	6.53	7.21
EB1580	3252	2219	8180	8037	242	234	7000 / 6440	8000 / 7000	11.50	11.50	6.76	6.81
EB1595	3583	2481	9012	8986	320	309	7500 / 6900	8500 / 7700	12.50	12.00	6.22	6.53
EB15115	4542	3032	11425	10982	385	370	11000 / 9700	11000 / 9700	19.00	16.00	4.63	5.63
EB1515*	577	442	1451	1601	54	51	950 / 500	1100 / 500	1.50	1.50	4.63	4.82

Type	FIG	A	B	C	D	ØE	F	G	L	M	ØN	P	Q	R	S
EB1515*	1	446	245	260	258	219	122	86	140	190	4 x M16	190	40	45	25
EB1520*	1	488	245	260	258	219	122	107	140	190	4 x M16	190	40	45	25
EB1527	1	520	275	283	278	239	132	106	155	225	4 x M20	205	50	55	30
EB1538	1	540	325	344	325	283	157	102	155	255	4 x M22	220	55	60	35
EB1550	1	590	340	374	355	309	172	106	180	280	4 x M24	240	60	65	40
EB1570	1	634	390	413	398	347	191	105	200	320	4 x M27	280	75	78	45
EB1580	1	652	390	413	398	347	191	105	200	320	4 x M27	280	75	78	45
EB1595	2	706	455	448	460	411	225	118	130	375	6 x M30	340	86	83	50
EB15115	2	742	455	448	460	411	225	118	130	375	6 x M30	340	86	83	50
EB1515*	1	446	245	260	258	219	122	86	140	190	4 x M16	190	40	45	25

Dimensions : mm * Available in ATEX and NON-ATEX versions

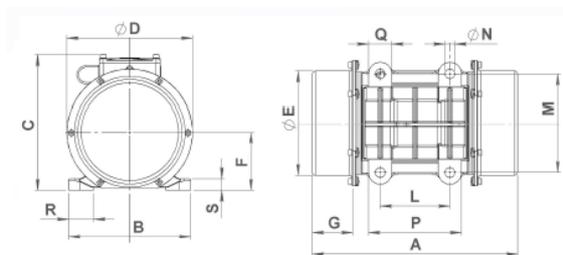


FIG 1

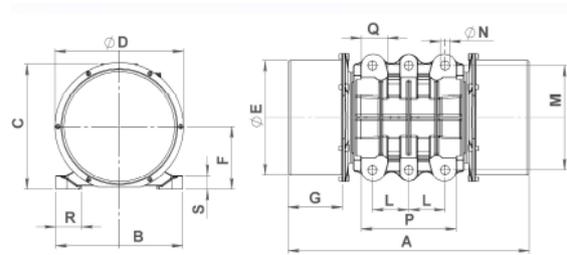


FIG 2

Industrial vibrators

EB 30--

230 / 400 V - 50 Hz and 240 / 480 V - 60 Hz adjustable weight

Special tension from 24 V to 690 V 50 Hz and 60 Hz available on request

2 Poles – 3 000 rpm - 50 Hz and 3 600 rpm - 60 Hz

Type	Static Moment (Kg/mm)		Centrifugal Force (Kg)		Weight (Kg)		Input power / Nominal power (W)		Nominal current (A)		IS/IN Ratio	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	400 V 50 Hz	460 V 60 Hz	50 Hz	60 Hz
EB3016-X	160	110	1610	1594	45	44	1500 / 700	1500 / 810	2.40	2.10	4.94	5.80
EB3020-X	199	138	2002	2000	48	46	2000 / 850	2000 / 850	3.30	2.90	5.37	6.03
EB3025	248	173	2500	2500	75	73	2300 / 1900	2400 / 1850	3.80	3.50	5.57	6.00
EB3033	328	221	3300	3200	102	99	3800 / 3420	4000 / 3620	6.20	5.60	5.08	5.71
EB3050	497	331	5000	4800	130	125	5000 / 4400	5000 / 4400	7.50	7.10	5.10	5.40
EB3065	626	414	6300	6000	203	193	8000 / 6800	8000 / 6800	13.30	12.00	4.60	5.40
EB3090	890	615	8974	8897	238	235	10000 / 8700	9500 / 8500	17.00	13.50	4.40	4.80

Type	FIG	A	B	C	D	ØE	F	G	L	M	ØN	P	Q	R	S
EB3016-X	1	446	245	260	258	219	122	86	140	190	4 x M16	190	40	45	25
EB3020-X	1	446	245	260	258	219	122	86	140	190	4 x M16	190	40	45	25
EB3025	1	520	275	283	278	239	132	106	155	225	4 x M20	205	50	55	30
EB3033	1	540	325	344	325	283	157	102	155	255	4 x M22	220	55	60	35
EB3050	2	592	310	360	355	309	347	106	83	229	6 x M20	250	62	65	35
EB3065	1	634	390	413	398	347	191	105	200	320	4 x M27	280	75	78	45
EB3090	1	652	390	413	398	347	191	105	200	320	4 x M27	280	75	78	45

Dimensions : mm

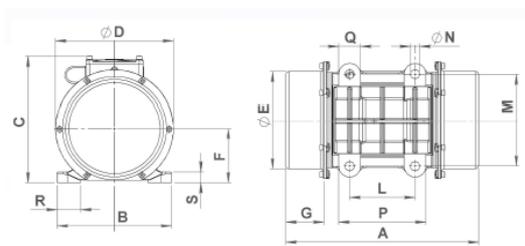


FIG 1

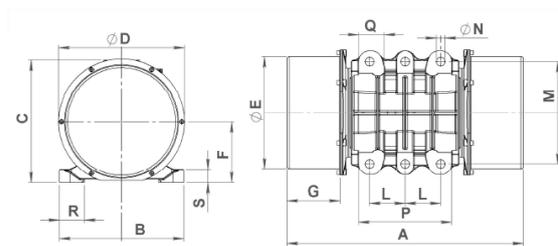


FIG 2