



- 230V / 400V 50Hz / 60 Hz
- Circular Vibration
- Hygienic Design
- Stainless Steel End-caps
- Available in ATEX
- IP 66-7 F Protection
- Available in Stainless Steel
- Available in other voltages & Hz

NEG electric vibrators is widely used in all industries, for handling products and materials in many situations, like emptying silos and hoppers, feeding, sieving, transport, conveying and compaction

2 Poles 230V /400V 3-phase 3.000-3.600 Rpm./min. 50 Hz / 60 Hz	page 2 - 3
4 Poles 230V /400V 3-phase 1.500-1.800 Rpm./min. 50 Hz / 60 Hz	page 4 - 5
6 Poles 230V /400V 3-phase 1.000-1.200 Rpm./min. 50 Hz / 60 Hz	page 6 - 7
8 Poles 230V /400V 3-phase 750-900 Rpm./min. 50 Hz / 60 Hz	page 8 - 9
Other Versions	page 10
Motor Brake	page 10
Frequency Converter	page 11
Motor Starters	page 12



Electric Vibrator NEG

2 Poles 230V / 400V 3-phase 3.000-3.600 Rpm./min. 50 Hz / 60 Hz

Type	Housing		Working Moment [cmkg]		Centrifugal Force [N]		ATEX tc IIIC	Power input [Kw]		Nominal Current [A]	
	Size	Materials	50 Hz	60 Hz	50 Hz	60 Hz	T** [°C]	50 Hz 400 V	60 Hz 480 V	50 Hz 400 V	60 Hz 480 V
NEG 5020*	60	Alu	0,4	0,4	197	284	100	0,035	0,035	0,15	0,15
NEG 5050*			1	1	494	711		0,045	0,045	0,16	0,16
NEG 5060	100	Alu	1,2	1,2	592	853	120	0,12	0,12	0,27	0,23
NEG 50120	101	Alu	2,4	2,4	1.185	1.706	120	0,18	0,18	0,35	0,30
NEG 50200			4	3,2	1.974	2.274					
NEG 50300	110	Alu	6	4	2.961	2.843	120	0,26	0,27	0,60	0,50
NEG 50550	120	Alu	11,5	6,9	5.676	4.904	120	0,45	0,50	0,80	0,75
NEG 50770	130	Alu	14,7	11	7.255	7.818	120	0,65	0,685	1,10	1,00
NEG 501140	133	Alu	22,4	14,7	11.056	10.448	120	1	1,2	1,75	1,75
NEG 501540	140	Alu	31	21	15.300	14.925	135	1,4	1,45	2,3	2,0
NEG 501800			36	26	17.768	18.479		2,0	2,0	3,3	2,9
NEG 502020	150	GGG	41	26	20.236	18.479	135	2,2	2,2	3,5	3,0
NEG 502270			46	31	22.704	22.033	135	2,2	2,2	3,5	3,0
NEG 503400	170	GGG	66	44	32.575	31.272	135	3,8	3,8	6,2	5,4
NEG 503820			77	55	38.004	39.090	135	4,0	4,0	6,5	5,6
NEG 506220	190	GGG	126	89	62.189	63.255	135	5,5	5,5	9,2	8,0
NEG 508830	195	GGG	179	124	88.347	88.130	-	10,0	9,3	18,0	13,0

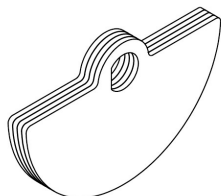
*Protection IP 65

Unbalances

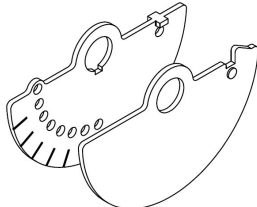
In each end of the vibrator's shaft, is adjustable unbalances mounted, which will create the rotating vibrations and nominal frequency according to the rotation speed.

The unbalances can be either increased or decreased and will influence on the working moment of the vibrator.

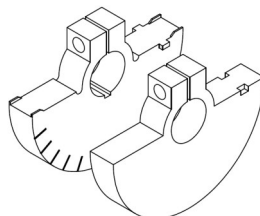
XL Unbalance



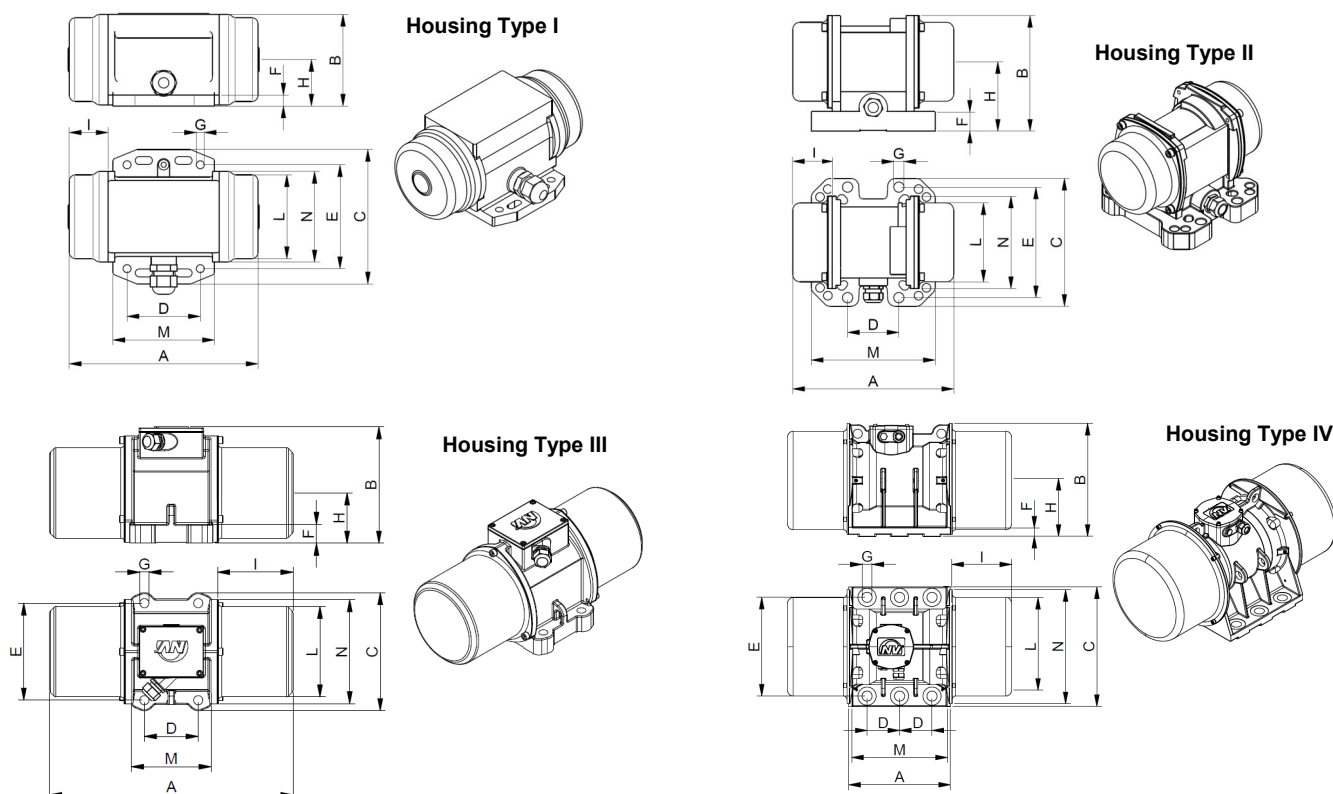
XM Unbalance



XS Unbalance



Electric Vibrator NEG



Dimensions of 2 Poles 230V / 400V 3-phase 3.000-3.600 Rpm./min. 50 Hz / 60 Hz

Type	Weight [Kg.]		Housing Type	Dimensions [mm.]														Unbalances [Amount of Discs]		
	50 Hz	60 Hz		A	B	C	D	E	F	G	H	I	L	M	N	n ²	Type			
NEG 5020	2,20	2,20	I	157	75	110	60	85	9	6,5	38	33	72	83	65	4	XL	8		
NEG 5050	2,45	2,45		169			25-40	92				39						18		
NEG 5060	4,9	4,9	II	197	123	127	30	85	24	9	70	40	103	86	106	4	XLs	4		
							60	102												
								106												
NEG 50120	5,9	5,8	II	209	154,5	164	65	140	25	13	96	45	100	128	117	4	XLs	6		
NEG 50200	6,5	6,3	II	225			62-74	106				53						10/8		
NEG 50300	10,2	10,0	II	255	175,5	164	65 90	140 125	25	13	105	54	124	128	141	4	XLs	8/6		
NEG 50550	16,3	16,1	II	283	195	217	100 105	180 140	30	17 13	115	63	143	144	193	4	XLs	10/6		
NEG 50770	22,1	21,6	III	308	211	216	100	180	35	17	93,5	63	167	144	193	4	XLs	8/6		
NEG 501140	25,0	24,0	II	314	217	217	100	180	35	17	93,5	76	168	146	193	4	XLs	12/8		
NEG 501540	34,3	32,8	IV	438	257	230	140	190	25	17	124,5	103	201	224	241	4	XLs	12/8		
NEG 501800	35,1	33,6																14/10		
NEG 502020	49	47							463		235	22	104	104	188			248	224	16/10
NEG 502270	50	49																		18/12
NEG 503400	106	102	IV	590	335	310	155	255	30	23,5	160	140	274	302	310	4	XLs	12/8		
NEG 503820	107	103																14/10		
NEG 506220	188	181	IV	670	380	390	200	320	32	28	189	155	340	360	384	4	XS	4		
NEG 508830	215	210	IV	629	395	392	200	320	100	28	192	134,5	358	270	375	4	XS	4		

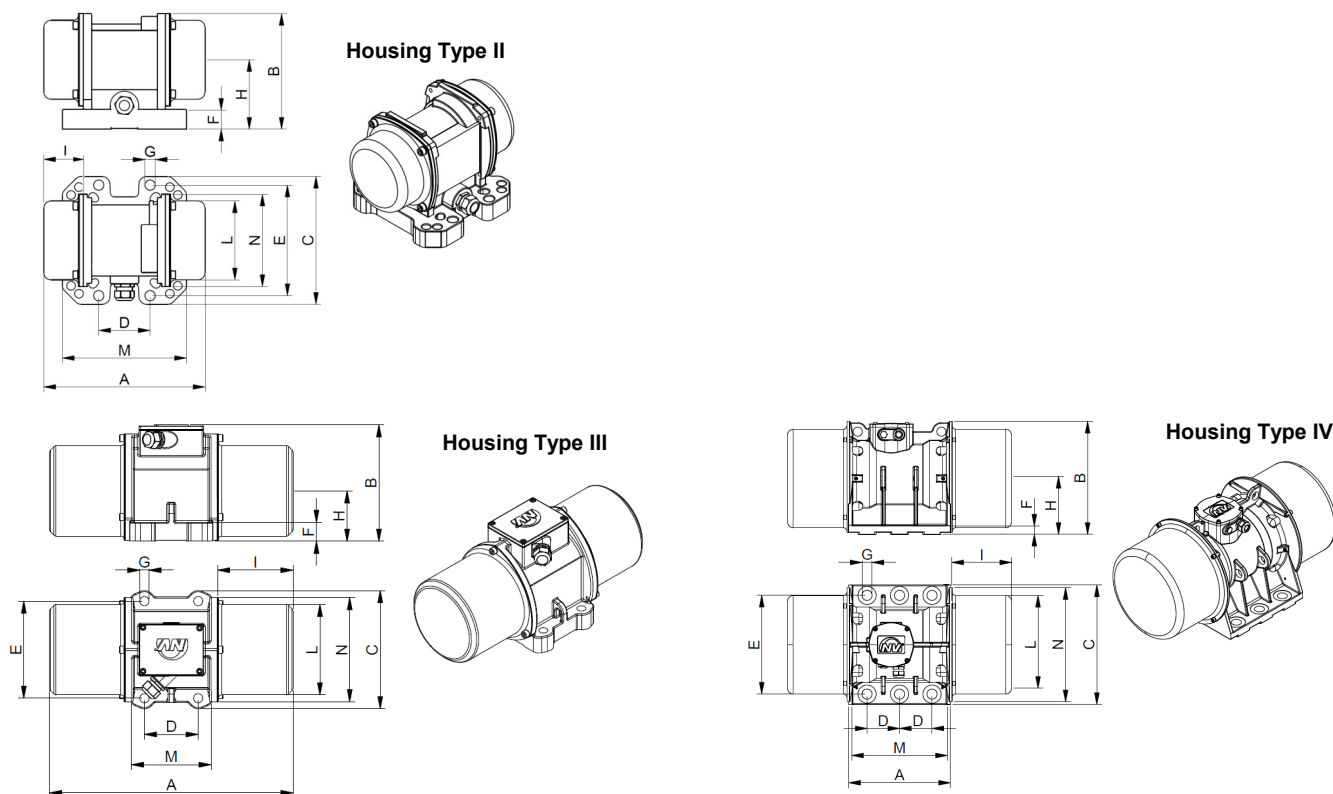
Electric Vibrator NEG

4 Poles 230V / 400V 3-phase 1.500-1.800 Rpm./min. 50 Hz / 60 Hz

Type	Housing		Working Moment [cmkg]		Centrifugal Force [N]		ATEX tc IIIC	Power input [Kw]		Nominal Current [A]	
	Size	Materials	50 Hz	60 Hz	50 Hz	60 Hz	T** [°C]	50 Hz 400 V	60 Hz 480 V	50 Hz 400 V	60 Hz 480 V
NEG 2530	101	Alu	2,4	2,4	296	426	120	0,085	0,095	0,21	0,20
NEG 2570			6,2	4,2	766	747					
NEG 25210	110	Alu	16,8	11,8	2.073	2.097	120	0,17	0,17	0,41	0,40
NEG 25420	120	Alu	32,6	22,7	4.023	4.033	120	0,30	0,35	0,60	0,60
NEG 25540			43,8	32,6	5.404	5.792					
NEG 25700	130	Alu	57,2	41,9	7.058	7.445	120	0,525	0,665	0,92	0,98
NEG 25930	133	Alu	75,0	52,0	9.254	9.239	120	0,55	0,68	0,95	0,95
NEG 251410	140	Alu	112	80,0	13.820	14.215	120	0,9	1,05	1,45	1,5
NEG 251800			143	97	17.645	17.235	135	1,1	1,2	2,0	1,9
NEG 252060			163	112	20.113	19.900		1,35	1,45	2,5	2,3
NEG 252370	160	Steel	192	135	23.691	23.987	150	1,6	1,7	3,2	3,0
NEG 253050			247	172	30.477	30.561	135	1,9	2,0	3,8	3,5
NEG 253720	170	Steel	302	207	37.264	36.780	135	2,2	2,5	3,9	3,9
NEG 254310			349	235	43.063	41.755		2,5	2,8	4,8	4,65
NEG 254900	180	Steel	397	273	48.986	48.507	135	3,6	3,4	6,0	5,0
NEG 256460	190	Steel	524	365	64.656	64.854	135	6,0	6,0	10,5	9,0
NEG 258040	195	Steel	652	452	80.450	80.312	135	7,0	8,0	11,6	11,5
NEG 258260	197	Steel	669	492	82.548	87.419	135	7,5	8,5	12,2	12,0
NEG 2511210	200	Steel	909	633	112.162	112.472	-	10,0	10,5	17,5	15,5
NEG 2513850			1.123	825	138.567	146.587		11,0	12,0	20,0	20,0



Electric Vibrator NEG



Dimensions of 4 Poles 230V / 400V 3-phase 1.500-1.800 Rpm./min. 50 Hz / 60 Hz

Type	Weight [Kg.]		Housing Type	Dimension [mm.]													Unbalances [Amount of Discs]	
	50 Hz	60 Hz		A	B	C	D	E	F	G	H	I	L	M	N	n ²	Type	
NEG 2530	6,1	5,8	II	209	154,5	164	65	140	25	13	96	45	100	128	117	4	XLs	6
NEG 2570	7,3	6,9		243			62-74	106	25	9	96	61						16/12
NEG 25210	12,8	11,8	II	295	175,5	164	65 90	140 125	25	13 11	105	74	124	128	141	4	XS	4
NEG 25420	20,7	19,7	II	340	195	217	100	180	30	17	115	91	143	144	160	4	XS	4
NEG 25540	22,7	21,7		380			105	140		13		111						
NEG 25700	29,4	28,4	III	378	211	215	100	180	35	17	93,5	98	167	144	193	4	XS	4
NEG 25930	34,2	32,7	III	422	217	217	100	180	35	17	93,5	130	168	146	193	4	XS	4
NEG 251410	44,8	41,8	IV	438	257	230	140	190	25	17	124,5	103	201	224	241	4	XS	4
NEG 251800	49,3	45,3		490								129						
NEG 252060	54	52	IV	560	283	275	155	225	28	22	140	164	231	255	271	4	XS	4
NEG 252370	75	69		523								130						
NEG 253050	82	79	IV	600								168,5						
NEG 253720	127	122	IV	588	335	310	155	255	30	24	160	139	274	302	310	4	XS	4
NEG 254310	125	120		670/588								180/139						
NEG 254900	174	166	IV	640	369	340	180	280	30	26	173	155	301	322	336	4	XS	4
NEG 256460	212	200	IV	670	380	390	200	320	32	28	189	155	340	360	384	4	XS	4
NEG 258040	225	210	IV	624	402	392	200	320	35	28	200	132	358	352	402	4	XS	4
NEG 258260	317	303	VI	862	434,5	460	125	380	35	38	215	230	379	392	439	6	XS	4
NEG 2511210	433	411	VI	990	454	530	140	440	38	44	230	240	423	510	448	6	XS	4
NEG 2513850	458	424																

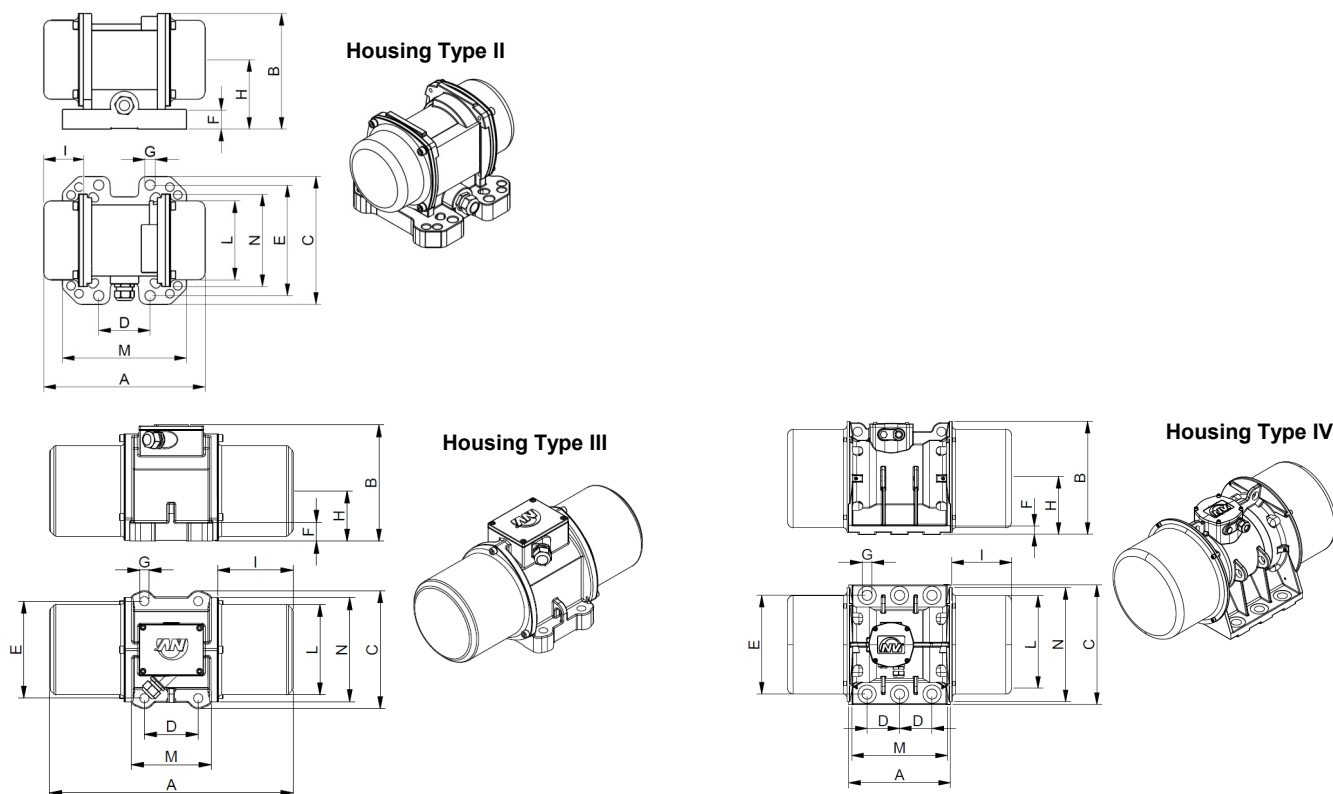
Electric Vibrator NEG

6 Poles 230V / 400V 3-phase 1.000-1.200 Rpm./min. 50 Hz / 60 Hz

Type	Housing		Working Moment [cmkg]		Centrifugal Force [N]		ATEX tc IIIC	Power input [Kw]		Nominal Current [A]	
	Size	Materials	50 Hz	60 Hz	50 Hz	60 Hz	T** [°C]	50 Hz 400 V	60 Hz 480 V	50 Hz 400 V	60 Hz 480 V
NEG 1630	110	Alu	6,0	6,6	329	474	120	0,12	0,135	0,30	0,30
NEG 1690			16,8	16,8	921	1.327					
NEG 16190	120	Alu	32,6	32,6	1.788	2.577	120	0,185	0,205	0,50	0,50
NEG 16310	130	Alu	57,2	41,9	3.137	3.309	120	0,35	0,38	0,72	0,68
NEG 16410	133	Alu	75,0	52,0	4.113	4.106	120	0,35	0,38	0,75	0,67
NEG 16810	140	Alu	144	112	7.897	8.845	135	0,68	0,76	1,4	1,4
NEG 161130			202	143	11.078	11.293		0,75	0,75	1,7	1,5
NEG 161420			254	187	13.929	14.767	135	0,95	1,0	1,8	1,7
NEG 161610	160	Alu	293	192	16.068	15.162	135	1,1	1,3	2,2	2,2
NEG 162110			385	264	21.113	20.848		1,5	1,77	3,0	2,8
NEG 162550	170	GGG	464	323	25.446	25.507	135	1,96	2,1	4,1	3,75
NEG 163030			553	400	30.327	31.588		2,2	2,4	4,5	4,3
NEG 163820	180	GGG	696	467	38.169	36.879	135	2,5	3,0	5,1	5,0
NEG 164700			857	587	46.998	46.355		3,2	3,6	6,5	6,0
NEG 165190	190	GGG	946	658	51.879	51.962	135	3,8	4,0	7,0	6,5
NEG 165580			1.009	706	55.334	55.753	-	3,8	3,9	7,0	7,1
NEG 166270			1.143	795	62.682	62.781	135	4,3	5,0	8,2	8,1
NEG 166670	197	GGG	1.217	797	66.740	62.860	-	5,0	5,9	10,0	9,8
NEG 167890	195	GGG	1.439	993	78.915	78.417	135	7,0	7,5	9,6	13,0
NEG 168500			1.550	1.077	85.002	85.050		7,5	8,2	14,0	12,9
NEG 169510	197	GGG	1.735	1.133	95.147	89.473	135	7,6	8,0	13,5	12,4
NEG 1612060	200	GGG	2.199	1.509	120.593	119.165		9,0	9,5	16,3	15,0
NEG 1613890	205	GGG	2.532	1.740	138.855	137.407	-	10,6	11,3	19,0	18,0
NEG 1617000			3.100	2.088	170.004	164.889		13,0	13,7	24,5	23,0



Electric Vibrator NEG



Dimensions of 6 Poles 230V / 400V 3-phase 1.000-1.200 Rpm./min. 50 Hz / 60 Hz

Type	Weight [Kg.]		Housing Type	Dimension [mm.]													Unbalances [Amount of Discs]	
	50 Hz	60 Hz		A	B	C	D	E	F	G	H	I	L	M	N	n ²	Type	
NEG 1630	12,0	10,01	II	255	175,5	164	65	140	25	13	105	54	124	128	141	4	XLs	8
NEG 1690	12,7	12,7		295			90	125				74					XS	4
NEG 16190	20,5	20,5	II	340	195	217	100 105	180 140	30 30	17 13	115	91	143	164	160	4	XS	4
NEG 16310	28,9	27,9	III	378	211	215	100	180	43	17	93,5	98	167	144	193	4	XS	4
NEG 16410	34,1	33,6	III	422	217	217	100	180	35	17	93,5	130	168	146	193	4	XS	4
NEG 16810	46	41	IV	490/438	257	230	140	190	25	17	124,5	129/103	201	224	241	4	XS	4
NEG 161130	57	48		560								164					XS	4
NEG 161420	65	58	IV	600/523	283	275	155	225	28	22	140	168/130	231	255	271	4	XS	4
NEG 162110	80	76		655/600								196/168,5					XS	4
NEG 162550	140	127	IV	670/610	335	310	155	255	30	24	160	180/150	274	302	310	4	XS	4
NEG 163030	156	141	IV	710								200					XS	4
NEG 163820	200	182		742	369	340	180	280	30	26	173	206	301	322	336	4	XS	4
NEG 164700	219	198	IV	802								236					XS	4
NEG 165190	247	225		772	380	390	200	320	32	28	189	206	340	360	384	4	XS	4
NEG 165580	240	245	IV	836								238					XS	4
NEG 166270	279	251	VI	850	434,5	460	125	380	35	39	215	245	379	392	439	6	XS	4
NEG 166670	285	257		750								174					XS	4
NEG 167890	320	282	IV	854	402	392	200	320	35	28	199,5	247	358	352	402	4	XS	4
NEG 168500	326	289		854													XS	4
NEG 169510	381	340	VI	862	434,5	460	125	380	35	39	215	230	379	392	439	6	XS	4
NEG 1612060	500	445	VI	990	454	530	140	440	38	44	230	240	423	510	448	6	XS	4
NEG 1613890	643	605	VIII	960	526	570	140	480	41	45	268	200	488	560	516	8	XS	4
NEG 1617000	705	656		1.040								240					XS	4

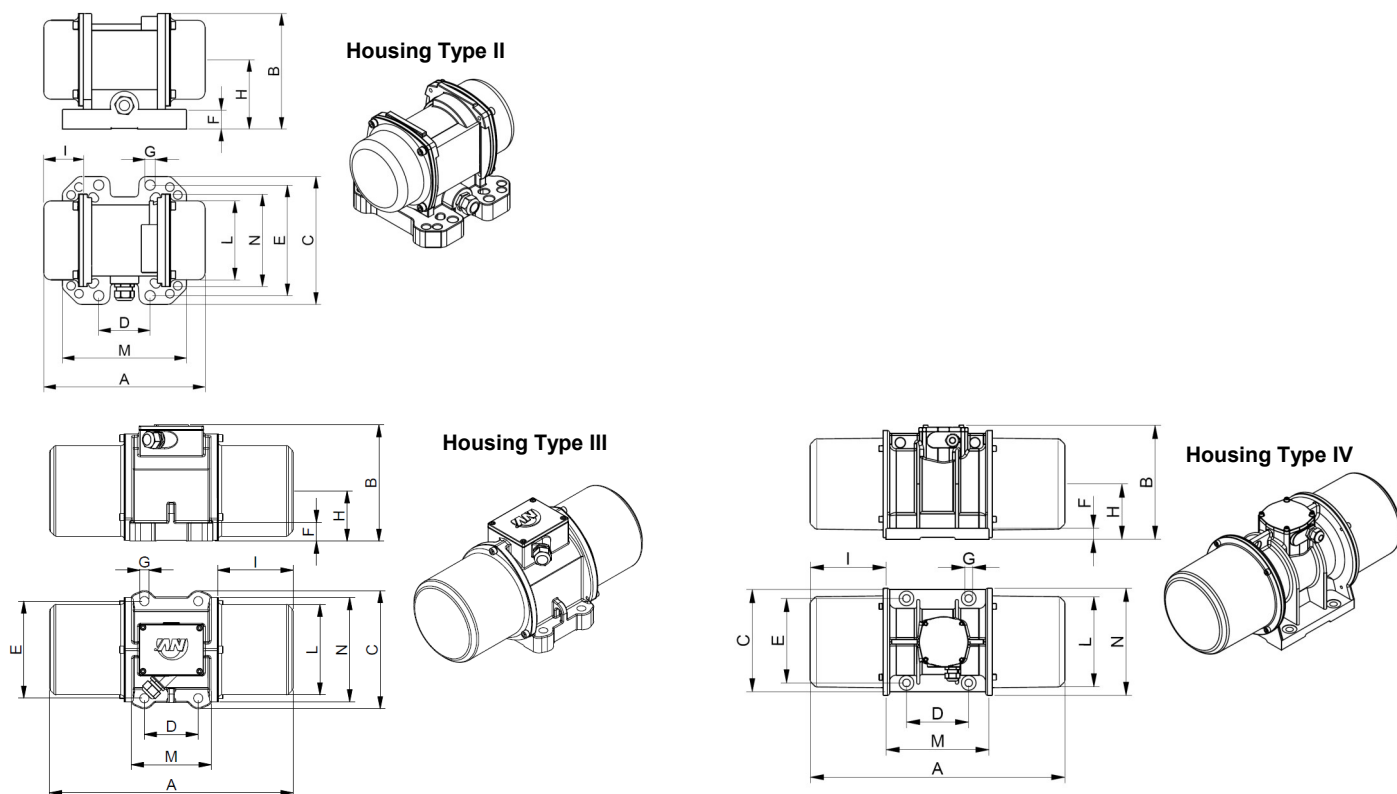
Electric Vibrator NEG

8 Poles 230V / 400V 3-phase 750-900 Rpm./min. 50 Hz / 60 Hz

Type	Housing		Working Moment [cmkg]		Centrifugal Force [N]		ATEX tc IIIC	Power input [Kw]		Nominal Current [A]	
	Size	Materials	50 Hz	60 Hz	50 Hz	60 Hz	T** [°C]	50 Hz 400 V	60 Hz 480 V	50 Hz 400 V	60 Hz 480 V
NEG 12100	120	Alu	32,6	32,6	1.006	1.448	130	0,23	0,25	0,85	0,76
NEG 12180	130	Alu	56,8	56,8	1.752	2.523	130	0,35	0,38	1,10	1,05
NEG 12230	133	Alu	75	75	2.314	3.332	120	0,28	0,30	0,60	0,68
NEG 12460	140	Alu	144	142	4.442	6.308	120	0,4	0,45	1,2	1,2
NEG 12640			202,0	195,6	6.231	8.689			0,5	1,4	1,3
NEG 12900	160	Alu	293	293	9.038	13.015	150	0,95	1,1	2,2	2,2
NEG 121430	170	GGG	464	464	14.313	20.611	135	1,5	1,79	4,1	4,2
NEG 122150	180	GGG	696	696	21.470	30.917	135	2,0	2,3	5,4	5,2
NEG 122640			857	857	26.436	38.068		2,5	3,0	6,0	6,0
NEG 122920	190	GGG	964	964	29.737	42.821	135	2,8	3,35	6,5	6,5
NEG 123530			1.143	1.143	35.259	50.773		4,0	4,3	8,2	7,85
NEG 124440	195	GGG	1.439	1.439	44.390	63.921	135	4,9	5,8	9,9	9,5
NEG 127640	197	GGG	2.478	2.195	76.440	97.503		6,8	7,5	13,2	12,0
NEG 128520	200	GGG	2.763	2.481	85.232	110.207	-	7,6	8,3	14,0	13,5
NEG 1211070	205	GGG	3.589	3.100	110.712	137.703	-	9,2	9,6	21,0	19,5
NEG 1213160			4.267	3.813	131.626	169.375		10,4	11,2	22,0	20,0
NEG 1217670	210	GGG	5.727	4.902	176.664	217.749	-	12,5	16,2	26,5	28,0



Electric Vibrator NEG



Dimensions of 8 Poles 230V / 400V 3-phase 750-900 Rpm./min. 50 Hz / 60 Hz

Model	Weight [Kg.]		Housing Type	Dimension [mm.]													Unbalances [Amount of Discs]	
	50 Hz	60 Hz		A	B	C	D	E	F	G	H	I	L	M	N	n ²	Type	
NEG 12100	20,5	20,5	II	340	195	217	100 105	180 140	30 30	17 13	115	91	143	144	160	4	XS	4
NEG 12180	28,0	28,0	III	378	211	215	100 105	180 140	35	17 13	93,5	98	167	144	193	4	XS	4
NEG 12230	34,6	34,6	III	442	217	217	100	180	35	17	93,5	130	168	146	193	4	XS	4
NEG 12460	46	46	IV	490	257	230	140	190	25	17	124,5	129	201	224	241	4	XS	4
NEG 12640	57	57		560								164						
NEG 12900	80	80	IV	600	283	275	155	225	28	22	140	168,5	231	255	271	4	XS	4
NEG 121430	133	133	IV	670	335	310	155	255	30	24	160	180	274	302	310	4	XS	4
NEG 122150	201	201	IV	742	369	340	180	280	30	26	173	206	301	322	336	4	XS	4
NEG 122640	217	217		802								236						
NEG 122920	242	242	IV	772	380	390	200	320	32	28	189	206	340	360	384	4	XS	4
NEG 123530	267	267		850								245						
NEG 124440	320	320	IV	854	402	392	200	320	35	28	199,5	247	358	352	402	4	XS	4
NEG 127640	438	419	VI	1.002	434,5	460	125	380	35	39	215	300	379	392	439	6	XS	4
NEG 128520	540	520	VI	1.070	454	530	140	440	38	44	230	280	423	510	448	6	XS	4
NEG 1211070	702	680	VIII	1.040	526	570	140	480	41	45	268	240	488	560	516	8	XS	4
NEG 1213160	755	711		1.120								280						
NEG 1217670	1015	981	VIII	1.150	607	610	140	520	38	45	297	280	542	510	582	8	XS	4

Electric Vibrator NEG

Special Version with Reduced Duty Time

Applications

NEG electric external vibrators are designed for continuous operation with 100% duty time. In addition, special versions with reduced duty times are available. The reduced duty time allows the use of smaller units possible with the same power output.

Design and functioning principle

Special vibrators with larger unbalances can be used for intermittent or short-time operation. Despite smaller unit size they deliver the same centrifugal forces as the next housing size up. NEG with reduced duty times are built according to the customer's requirements, to enable individual solutions.

Special Version with CC Unbalances

Applications

The special version with CC unbalances are used when two different unbalance settings need to be available during operation.

Design and functioning principle

In order to use the CC unbalances, a suitable electric switching circuit is required so that the NEG can be operated in both directions. When the NEG rotates in one direction it operates with e.g. maximum unbalance.

When the direction of rotation changes, the outer unbalance disc automatically turns through a specified angle against the inner unbalance disc, creating a reduced unbalance setting (picture below). The CC unbalances are built according to the customer's requirements and allow a sec-



Special Version NEG S in Stainless Steel

Applications

NEG S electric external vibrators can be used wherever the surfaces are subject to particular requirements for chemical resistance. An important feature of the NEG S series is its modular construction. This enables economical production of even the smallest of series in various steel materials.

The protection class IP 66 (protection from dust entry and water flooding) allows cleaning with power jets and aggressive cleaning agents.

Design and functioning principle

All internal components of the stainless steel vibrators come from the established NEG series and are thus production proved.

Even the standard version of the NEG S has a surface quality of 6,3 µm and therefore satisfies the requirements for the chemical and pharmaceutical industries. A higher surface quality can easily be provided if required, e.g. for the food industry. Stainless steel housings are generally heavier than the standard housings. The greater mass must therefore be considered in the layout stage.



BZ Motor Brake

Type	Voltage [Volt]	Protection Class	Max. Nominal Power
BZ 30	1~230 V or 3~400 V 50/60 Hz	IP 23	5 kW / 5,5 kW
BZ 70			10 kW / 11 kW
BZ 200			26 kW / 28 kW

Applications

BZ Braking devices are used for efficient deceleration of running vibrators, to a quick standstill.

It is often necessary to brake the rotating vibrators fast on vibration tables or conveyers to avoid resonance in the application.

The BZ Braking device offers a very efficient braking in a very compact design.

Design & Function

Upon activation of the brake, the load-resistant power electronics changes direction of the electronic rotational field, and decelerates the vibrators instantly.

The momentarily high braking currents, are easily tolerated by the vibrator.

The BZ braking device is only suitable for mains frequency of 50 Hz or 60 Hz.

It is not permitted to be operated in conjunction with a frequency converter.

Operation temperature is 0° C. to +40° C.



Electric Vibrator NEG

NFU & NFI Frequency Converter SRF Frequency Control

Applications

The SRF, NFU and NFI frequency controls is widely used for speed control (frequency) of electric vibrators.

Some applications require certain frequencies, or the option to change frequency for different loads or materials.

These frequency converters with simple and compact design, is the best solution for complete control of your application.

Design and Function

Low-loss power electronic allows the operation at input voltages with high tolerances.

These great frequency converters generates 3-phase voltages with variable frequency of 0 to 100 Hz

The frequency converters is delivered with all necessary operation and installation manuals.

Permissible temperature: 0° C to +40° C

Model	Supply Voltage [Volt]	Max Motor~		Size (B x H x D) [mm.]
		Power Input [Kw]	Current [A]	
SRF 1-007 / 4,8	1 ~ 200...240 V 50 / 60 Hz	0,75	4,8	300 x 400 x 200
SRF 1-011 / 6,9		1,1	6,9	
SRF 1-022 / 11		2,2	11,0	400 x 500 x 250
SRF 2-007 / 2,3	3 ~ 380... 415 V 50 / 60 Hz	0,75	2,3	400 x 500 x 250
SRF 2-015 / 4,1		1,5	4,1	
SRF 2-022 / 5,5		2,2	5,5	
SRF 2-040 / 9,5		4,0	9,5	
SRF 2-055 / 14,3		5,50	14,3	600 x 600 x 300
SRF 2-075 / 17		7,50	17,0	
SRF 2-110 / 27,7		11,00	27,7	
SRF 2-150 / 33		15,00	33,0	

Model	Supply Voltage [Volt]	Max Motor~		Size (B x H x D) [mm.]
		Power Input [Kw]	Current [A]	
NFU 1-004 / 3,3	1 ~ 200...240 V 50 / 60 Hz	0,4	3,3	210 x 240 x 163
NFU 1-007 / 4,8		0,75	4,8	
NFU 1-011 / 6,9		1,1	6,9	215 x 297 x 192
NFU 1-015 / 8,0		1,5	8,0	
NFU 1-022 / 11		2,2	11,0	230 x 340 x 208
NFU 2-004 / 1,5	3 ~ 380... 415 V 50 / 60 Hz	0,4	1,5	400 x 500 x 250
NFU 2-007 / 2,3		0,75	2,3	
NFU 2-011 / 3,0		1,1	3,0	
NFU 2-015 / 4,1		1,5	4,1	
NFU 2-022 / 5,5		2,2	5,5	230 x 340 x 208
NFU 2-040 / 9,5		4,0	9,5	



SRF Control installed in a IP 54 enclosure with a colour touch panel



NFI Frequency converter for installation in customer's own control enclosure.



NFU Frequency converter with IP 54 protection, for direct vibrator connection and full speed control and start & stop activation.

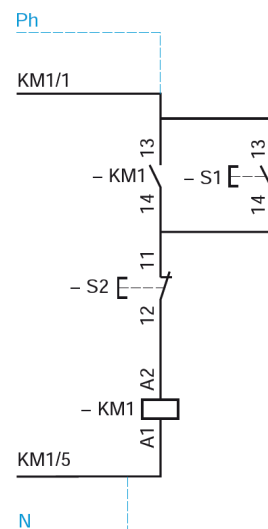
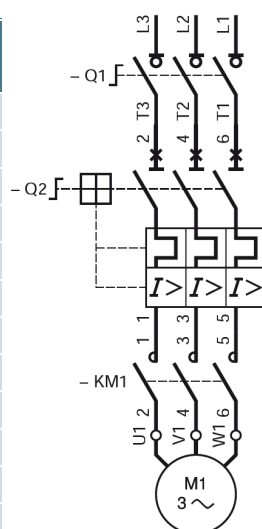
Electric Vibrator NEG



For Start & Stop activation for electric vibrator

- For 1 unit three phase 400V AC 50/60 HZ NEG Vibrator
- For safety applications
- Build-in Circuit-breaker and Thermal Protection

Product No.	Thermal protection adjustment range
83199310	0,16 - 0,25 A
83199311	0,25 - 0,40 A
83199312	0,40 - 0,63 A
83199313	0,63 - 1,00 A
83199314	1,00 - 1,60 A
83199315	1,60 - 2,50 A
83199316	2,50 - 4,00 A
83199317	4,00 - 6,30 A
83199318	6,00 - 10,00 A
83199319	9,00 - 14,00 A
83199320	13,00 - 18,00 A
83199321	17,00 - 23,00 A



For Start & Stop activation for electric vibrators

- For 1 or 2 units single phase 230V AC 50/60 HZ NEA Vibrators
- For 1 or 2 units three phase 400V AC 50/60 HZ NEG Vibrators
- Can not be used for motor-protection

Product No.	Power Rating 50/60 HZ	Max. Current [A]	Enclosure Size (Width x Height x Depth) [mm.]	Weight [Kg.]
83199300	3x 400V~	9	88 x 166 x 128,5	0,92
83199301	3x 400V~	12	88 x 166 x 128,5	0,92
83199302	3x 400V~	18	101 x 201 x 153,5	1,015
83199303	3x 400V~	25	101 x 201 x 153,5	1,015
83199304	3x 400V~	35	101 x 201 x 153,5	1,015
83102050	1x 230V~	9	88 x 166 x 128,5	0,92

