AViTEQ

UNBALANCE MOTORS

Keeping bulk material on the move

AVITEQ VIBRATION TECHNOLOGY

We drive your success

For more than 85 years, AViTEQ Vibrationstechnik GmbH have provided oscillating conveyor solutions to almost 375,000 projects. Our extensive experience and vibrating conveyor expertise is evident with our 120 AViTEQ employees worldwide, who are always available to support our international client base.

Unshakeable Quality

AViTEQ systems and components feature comprehensive functionalityincluding: conveying, sorting, dosing, screening, classifying and dewatering, compacting and loosening, cooling and heating of various bulk materials. We provide extremely varied solutions and can apply these to many different materials, from small pills and coffee beans, to rocks and metal pieces weighing tons.

Every bulk material has its own special requirements and AViTEQ have a vast array of experience, having designed systems and components for more than 1,000 different bulk materials to date. Endurance tests performed in our technical laboratories, and numerous finite element calculations, ensure the highest quality components and systems. Experience the unshakeable quality of AViTEQ.

AViTEQ

About us

- 120 employees wordwide
- 85 Years of experience
- Expert advice for machine and motor design
- large stock warehouse
- International experiences

AVITEQ PRODUCT PORTFOLIO

Qualified partner for systems and components

AViTEQ plans and creates vibration and processing engineering solutions. A comprehensive all-round service is possible through AViTEQ and AEG.
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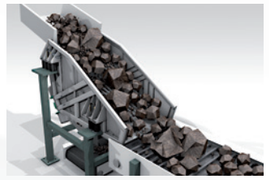
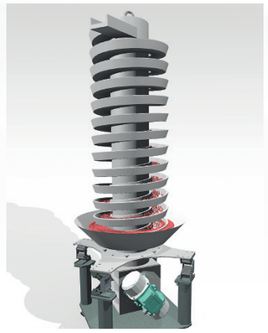
Hopper Discharge Units



Vibrating Screens

Tubular feeders



Spiral Conveyors

AViTEQ

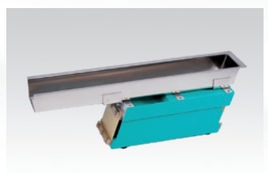
Components

AViTEQ develops, builds and distributes drive components and control systems for vibrating conveyor systems. We also offer 24-hour replacement part support from the spare part warehouse, as well as various repair services (in-house or on-site).

Unbalance Motors

Magnetic Vibrators

Parts Conveyors



Small Conveyors

Unbalance Motors

Unbalance motors by AViTEQ are specifically designed for the discharging and conveying of bulk materials over long distances, as well as screening and dewatering. Renown for high performance, the unbalance motors also offer maximum operational availability and durability. Suitable for 50/60 Hz networks. The following pages include additional information about the more than 50 applications types available.

UNBALANCE MOTORS BY AVITEQ

Performance with Loyalty

You can rely on powerful and reliable performance with unbalance motors by AViTEQ. The performance drive with a robust design also features numerous clever details. Moreover, our superior production quality ensures a longer operation life – one of the many reasons we have been loyally serving many clients for more than 20 years.

Regardless of its surroundings, the unbalance motors by AViTEQ deliver high performance with energy-efficient consumption. What's more, thermistor protection and tropicalization are series standards. Select models also meet requirements for ATEX directives for zones 21 and 22, as well as CSA Classes I and II. AViTEQ unbalance motors are engineered for long lasting performance.

TERMINAL BOARD
6-pin fully mounted (voltage up to 690 V without additional insulation).

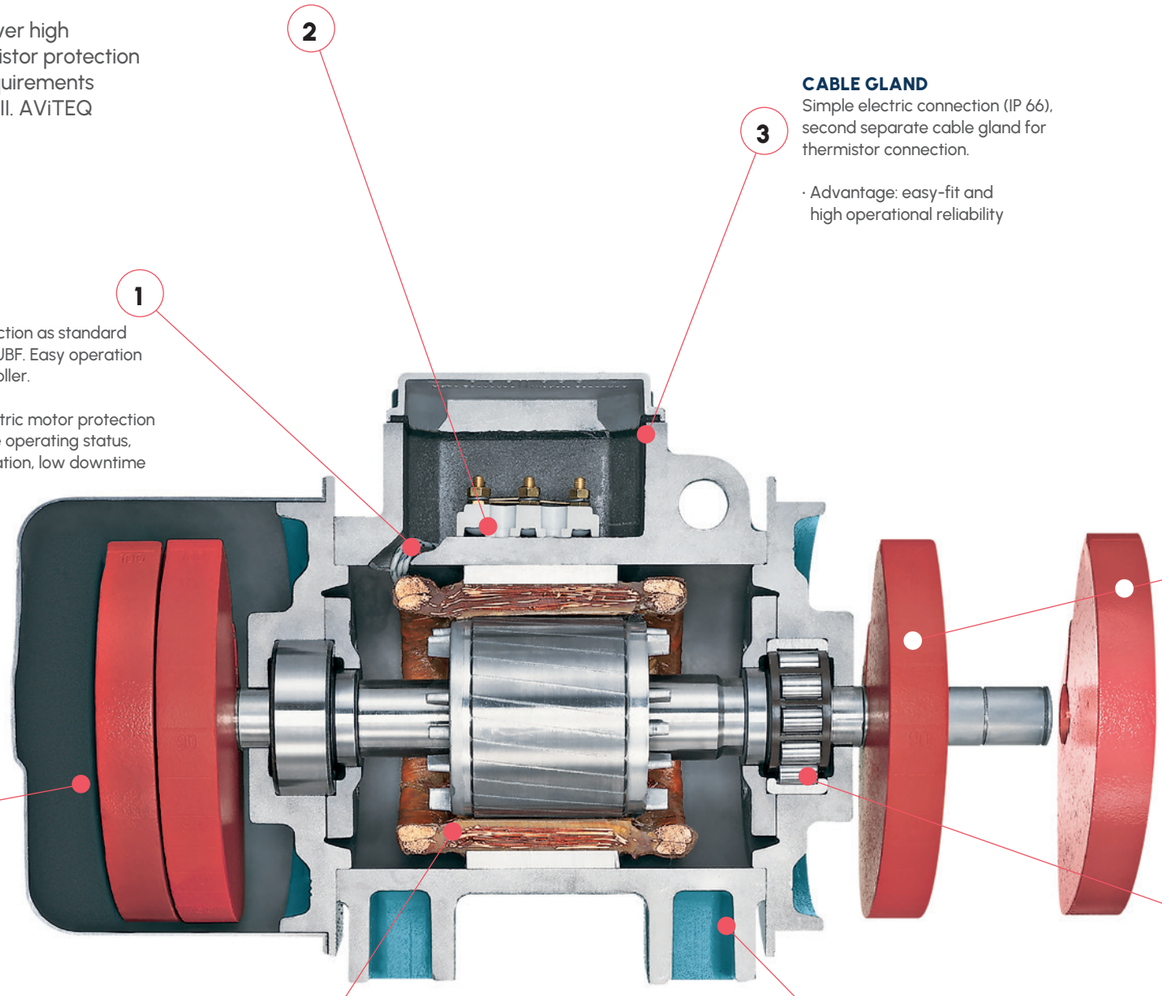
· Advantage: solidly mounted, no risk of vibration fatigue failure

CABLE GLAND
Simple electric connection (IP 66), second separate cable gland for thermistor connection.

· Advantage: easy-fit and high operational reliability

THERMISTOR
Thermistor protection as standard from model size UBF. Easy operation with speed controller.

· Advantage: electric motor protection in unforeseeable operating status, universal application, low downtime costs



UNBALANCE WEIGHTS
Adjustable and permanent legible setting scale.

· Advantage: quick and precise settings

COVER
Easy handling. Dustproof and waterproof by o-ring flange seal.
Sizes: B, C, D, F, G, H, K, L made of stainless steel
Sizes: N, P made of aluminium cast

· Advantage: minimal downtimes during servicing

BALL-/ROLLER BEARINGS
Oversized ball-/roller bearings and continuous lubrication or re-lubrication option.

· Advantage: long service-life, continuous operation at 100% centrifugal force setting, low maintenance costs

WINDING
Embedded in high quality resin; resistant to vibration, moisture and dust; armature shaft made of alloy steel.

· Advantage: Breliable operation in harsh environments

COVER
Tall feet for the extension of mounting screws; mounting in any position possible; suitable for high stress and large thermal reserve.
Up to Size L: made of stainless steel
Size N and larger: made of cast aluminium

· Advantage: reliable with high levels of stress, long-lasting

PERFORMANCE DATA OVERVIEW

Centrifugal force range:	59 – 304,000 N
Working moment:	0.12 – 5.510 kgcm
Working weight:	1 – 11.250 kg
Rated Power:	0.03 – 27 KW
Temperature range:	-20 °C to + 40 °C / + 55 °C
Mains connection:	Three-phase current/alternating current (50 or 60 Hz) for conventional voltages up to 690 V
Synchronous speeds:	50 Hz network: 750; 1,000; 1,500; 3,000 min^{-1} 60 Hz network: 900; 1,200; 1,800; 3,600 min^{-1}

CERTIFICATES

Our safety standards

AViTEQ's electric vibration motors generate centrifugal forces of up to 26,000 kg and are available in a wide range of supply voltages. This allows them to cover numerous application areas in different countries and industries - from the food industry to mining, production plants, recycling and many more.

AViTEQ vibration motors are developed and manufactured using state-of-the-art technology and high-quality materials. Motor housings, bearing flanges and motor shafts in the FMA design are made of first-class aluminium alloys, cast iron and steel alloys, which ensures high load capacity and safe operation under all conditions. Vacuum-impregnated coils and class F insulation contribute to a long service life and high reliability.
Quality bearings and an efficient grease seal guarantee long-lasting performance at low sound pressure levels. The adjustable eccentric masses allow precise adjustment of the maximum centrifugal force. For use in hazardous environments, AViTEQ also offers various certificates to meet even the strictest global requirements.

Protection class	Standard UB	Standard USA/CA fUB	Explosion protection eUB	Stainless steel pUB (Food)
CE [1]	yes	yes	yes	yes
IP protection class [2]	IP66	IP66	IP66	IP66
ATEX [3]	Zone 21, 22 [4]	Zone 21, 22 [4]	Zone 21, 22 [5] Zone 1, 2	Zone 22 [6]
CSA/UL	-	Cl. II Div. 2 Gr. F,G [7]	Cl. II Div. 2 Gr. F,G [8] Cl. I Div. 2 Gr. A,B,C,D	CRUUS [9]
IECEx	Ex „tb" [10]	Ex „tb",-ETL Class II Div..2 [11]	Ex „tb" „eb-ETL Class II Div.2" [12]	-

[1] according to Low Voltage Directive 2014/35/EU
[2] according to DIN EN 60529
[3] according to the applicable directive 2014/34/EU (ATEX)
[4] Ex II 2D Ex tb IIIC Tx Db IP66 / Ex tb IIIC Tx Db IP66
[5] II 2G Ex eb IIC Tx Gb, II 2D Ex tb IIIC Tx Db IP66 / Ex eb IIC T3 Gb / Ex tb IIIC Tx Db IP66
[6] Ex II 3D / Ex tc IIIC Tx Db IP66
[7] CLASS II DIV.2 GROUP F,G T4 / Ex tb IIIC Tx Db IP66 - Cl. II Div. 1 Gr. E,F,G in planning
[8] CLASS I DIV.2 GROUP A,B,C,D T3 / CLASS II DIV.2 GROUP F, G T4 / Ex ec IIC T3 Gb, Ex tb IIIC Tx Db IP66
[9] correspond to UL1446 and CSA 22.2 Nr. 0-10
[10] -20°C ≤Tamb ≤ +55°C
[11] -20°C ≤ Tamb≤+40°C (max 600V)
[12] -20°C≤ Tamb≤+40°C (max 500V)

WE LOVE DIVERSITY

Our additional options

Choose from various additional options to customize your motor to your needs:

- Stainless steel covers
- Split covers
- Customer-specific colour (also corrosion-resistant)
- Detectable STEEL-IT paint finish (food)
- Special voltage ranges
- Heating for the motor for cold ambient temperatures
- PT100 sensor for precise temperature monitoring
- Adapter plates for mounting with other hole patterns

DESIGN AND MOTOR SELECTION

The right motor in an instant

Design

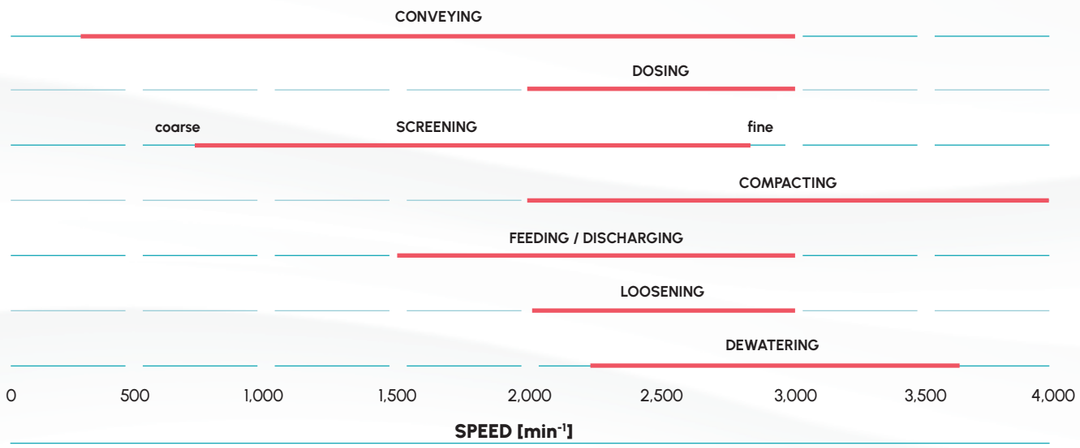
The vibration amplitude is the central benchmark in designing an unbalance motor. Together with acceleration of the respective frequency, the vibration amplitude delivers the power, which flows from the drive to the working unit. The motor characteristics on the next page demonstrate the optimal motor. The diagrams give you a quick and easy overview of the vibration amplitudes for all motor types, in relation to working weights.

Direction of Rotation

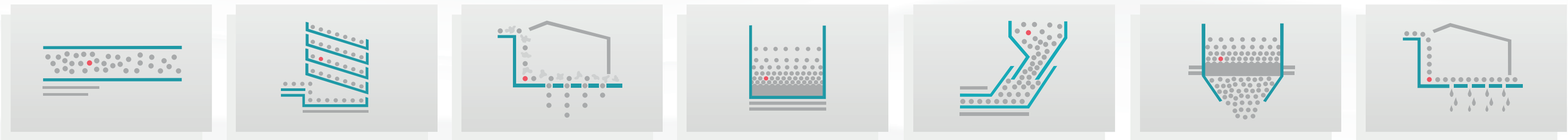
To ensure linear vibrations on longitudinal conveyors, such as trough feeders or vibrating screens, at least two motors with counter-rotating directions are required. Devices with torsional vibration, however, require drives with the same direction of rotation. It is vital that such intricate details are correct, as even short-term inaccurate operation can cause major damage to working units.

The mounting of the motor must take place on a rigid drive part, to avoid the significant risk of breaking. Furthermore, the motors cannot synchronize automatically and would exceed the energy consumption limitations. With large and long-distance longitudinal conveyors, cross vibration monitoring is used to ensure proper rotation at all times.

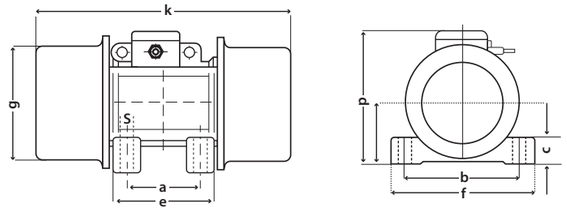
Step 1 to the right motor: functionality



Depending on the type of application, vibration amplitudes and acceleration values are calculated based on the nominal speed in the relevant network



2-pole and 4-pole motors



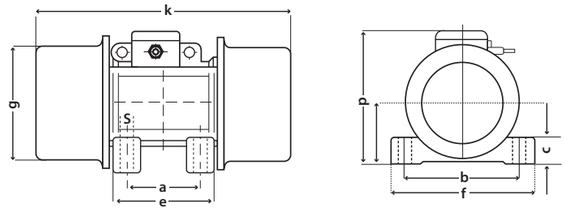
2-pole (50/60 Hz)

Standard	increased security	II2D Temp. Class	Centrifugal force [N]		Working moment [kgcm]		Working weight range with 2x UB [kg]		Rated Current max. [A]		Rated Power [kW]		Dimensions [mm]											Weight [kg]		
(f)UB	eUB	[°C]	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz | 400V**	60Hz | 460V	**50Hz**	60Hz	a	b	c	e	f	g	h	k	k^{1GH}	k^{2GH}	p	s	**50Hz**	60Hz	Screws
UB1A 0,06Y-1	-	100	**59**	88	**0.12**	0.12	**impact vibrator**	impact vibrator	**0.3 (230V)**	0.8 (115V)	**0.03**	0.04	25 - 40	75	10	74	90	70	39	145	-	-	76	6.5	**1.6**		M5
UBA 0,7Y-1	-	100	**650**	700	**1.3**	1.0	**15-56**	10-58	**0.25**	0.23	**0.09**	0.09	62.5	95	11	107	130	86	50	213	-	-	135	11	**4,2**		M10
UBB 1Y-1	-	100	**960**	930	**2.0**	1.3	**18-90**	18-80	**0.25**	0.23	**0.09**	0.09	68	106	11	107	130	86	50	213	-	-	135	9	**5**		M8
UBB 1,8Y-1	+	100	**1,830**	1,850	**3.7**	2.6	**36-172**	37-170	**0.35**	0.30	**0.15**	0.18	68	106	12	125	130	110	65	233	-	-	154	9	**7**		M8
UBC 3,2Y-1	+	100	**3,150**	3,170	**6.4**	4.5	**64-300**	65-300	**0.52**	0.45	**0.25**	0.28	90	125	15	166	150	135	79	255	-	-	173	13	**9,8**		M12
UBD 5,2Y-1	+	135	**5,200**	5,240	**10.3**	7.4	**100-480**	100-460	**0.96**	0.97	**0.50**	0.58	105	140	20	166	170	160	92	330	-	-	196	13	**15,8**		M12
UBE 7,8Y-1	+	135	**7,800**	7,850	**15.7**	11.1	**170-735**	160-700	**1.45**	1.50	**0.70**	0.84	120	170	22	192	208	169	96	321	-	-	210	17	**20**		M16
UBE 9,9Y-1	+	135	**9,900**	9,940	**20.2**	14.0	**210-970**	210-900	**1.85**	1.95	**0.95**	1.15	120	170	22	192	208	169	96	321	-	-	210	17	**21**		M16
UBF 23Y-1	+	135	**22,600**	22,600	**46.0**	31.9	**470-2,170**	480-1,580	**4.44**	3.45	**2.40**	2.45	125	210	29	210	255	222	126	402	-	-	267	17	**53**	51	M16
UBG 32Y-1	+	135	**31,900**	31,200	**68.1**	43.9	**615-3,170**	570-2,700	**5.30**	4.61	**2.76**	2.90	165	260	30	277	304	265	147	516	-	-	314	26	**103**	101	M24
UBH 40Y-1	-	135	**40,330**	41,170	**81.8**	58.0	**695-3,760**	735-3,550	**9.43**	8.20	**5.23**	5.50	280	290	35	364	360	311	175	662	-	-	362	25	**165**	163	M24
UBL 64Y-1	-	135	**63,900**	64,300	**129.5**	90.5	**1,165-6,000**	1,185-5,570	**9.50**	9.50	**5.50**	6.30	200	320	40	360	385	378	203	624	-	-	402	28	**228**	230	M27
UBL 89Y-1	-	135	**88,500**	92,000	**179.6**	129.6	**1,770-8,500**	1,860-8,870	**11.5**	11.5	**6.60**	7.70	200	320	40	360	385	378	203	624	-	-	402	28	**240**	235	M27

4-pole (50/60 Hz)

Standard	increased security	II2D Temp. Class	Centrifugal force [N]		Working moment [kgcm]		Working weight range with 2x UB [kg]		Rated Current max. [A]		Rated Power [kW]		Dimensions [mm]											Weight [kg]		
(f)UB	eUB	[°C]	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz | 400V**	60Hz | 460V	**50Hz**	60Hz	a	b	c	e	f	g	h	k	k^{1GH}	k^{2GH}	p	s	**50Hz**	60Hz	Screws
UBB 0,3X-1	-	100	**250**	350	**2.0**	2,0	**3-20**	3-25	**0.31**	0.31	**0.05**	0.04	68	106	11	107	130	86	50	213	-	-	135	9	**4,6**		M8
UBB 0,7X-1	-	100	**740**	750	**6.0**	4,2	**8-68**	7-58	**0.31**	0.25	**0.07**	0.08	68	106	12	112	130	110	65	233	-	-	154	9	**7.4**		M8
UBC 1,9X-1	+	100	**1900**	1920	**15.4**	10.8	**27-180**	30-160	**0.49**	0.50	**0.12**	0.15	90	125	15	166	150	134	79	275	-	-	173	13	**11.8**		M12
UBD 4,1X-1	+	135	**4,100**	4,150	**33.4**	23.4	**72-410**	75-360	**0.84**	0.86	**0.27**	0.32	105	140	20	166	170	160	92	330	-	-	196	13	**19.5**		M12
UBD 5X-1	+	135	**4,950**	5,000	**40.1**	28.1	**90-495**	82-460	**1.06**	1.09	**0.35**	0.4	105	140	20	166	170	160	92	330	-	-	196	13	**21**		M12
UBE 7X-1	+	135	**7,000**	7,000	**56.8**	39.4	**135-705**	125-605	**1.32**	1.20	**0.62**	0.73	120	170	22	192	208	169	96	391	-	-	210	17	**27**		M16
UBE 11X-1	+	135	**10,800**	10,900	**87.7**	61.4	**205-1,045**	215-975	**1.40**	1.35	**0.64**	0.77	120	170	25	192	208	187	105	414	-	-	220	17	**35**	28,5	M16
UBF 17X-1	+	135	**16,900**	16,300	**137.3**	92.0	**325-1,670**	260-1,380	**2.16**	2.09	**1.13**	1.3	125	210	29	210	255	222	126	446	521	552	267	17	**67.5**	64	M16
UBF 23X-1	+	135	**23,100**	24,400	**187.7**	137.4	**475-2,330**	480-2,150	**3.20**	3.20	**1.57**	1.88	125	210	29	210	255	222	126	490	521	552	267	17	**77**	70	M16
UBG 38X-1	+	135	**37,800**	36,300	**306.7**	204.7	**770-3,820**	650-3,160	**4.15**	4.15	**2.20**	2.6	165	260	30	277	304	265	147	564	656	748	314	26	**125**	113	M24
UBH 54X-1	+	135	**53,900**	53,900	**437.4**	303.7	**1,070-5,440**	990-4,700	**6.50**	5.50	**2.88**	3.45	280	290	35	366	360	311	175	662	753	844	361	25	**194**	182	M24
UBL 72X-1	+	135	**71,500**	72,100	**579.9**	406.0	**1,470-7,270**	1,380-7,310	**11.00**	10.80	**6.00**	6.50	200	320	40	360	385	378	203	624	675	726	402	28	**233**	228	M27
UBN 103X-1	-	135	**103,000**	103,200	**835.7**	581.3	**2,190-10,550**	2,010-9,110	**13.10**	13.10	**7.00**	8.20	2x 125	380	40	380	452	378	205	728	865	1002	415	39	**300**	286	6xM36
UBP 116X-1	-	135	**115,750**	116,300	**939.0**	655.0	**2,240-11,630**	2,065-10,075	**15.50**	15.50	**9.00**	10.00	2x 140	440	37	463	530	433	232	890	986	1082	482	45	**445**	422	6xM42

6-pole and 8-pole motors



6-pole (50/60 Hz)

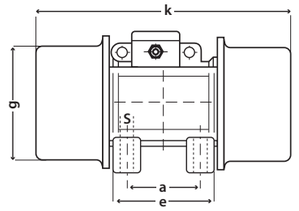
Standard	increased security	II2D Temp. Class	Centrifugal force [N]		Working moment [kgcm]		Working weight range with 2x UB [kg]		Rated Current max. [A]		Rated Power [kW]		Dimensions [mm]												Weight [kg]		
(f)UB	eUB	[°C]	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz | 400V**	60Hz | 460V	**50Hz**	60Hz	a	b	c	e	f	g	h	k	k^{1GH}	k^{2GH}	p	s	**50Hz**	60Hz	Screws
UBE 3,1W-1	+	135	**3100**	3100	**56.9**	39.9	**35-232**	32-215	**0.67**	0.64	**0.25**	0.30	120	170	22	192	208	169	96	391	-	-	210	17	**26**		M16
UBE 5W-1	+	135	**5000**	5100	**91.9**	64.3	**73-390**	60-360	**1.22**	1.15	**0.55**	0.40	120	170	22	192	208	169	96	455	-	-	210	17	**34**		M16
UBF 10W-1	+	135	**10,300**	10,800	**187.7**	137.3	**130-780**	130-760	**1.42**	1.32	**0.75**	0.80	125	210	29	210	255	222	126	490	521	552	267	17	**78**	72	M16
UBF 16W-1	+	135	**15,600**	15,500	**284.8**	196.5	**270-1,260**	245-1,165	**1.80**	2.00	**0.90**	1.08	125	210	29	210	255	222	126	566	559	552	267	17	**84**	73	M16
UBG 21W-1	+	135	**20,800**	24,200	**380**	306.7	**305-1,615**	360-1,790	**4.50**	4.00	**2.20**	2.10	165	260	30	277	304	265	147	612	656	748	314	26	**138**	127	M24
UBG 30W-1	+	135	**29,600**	29,900	**540.3**	379.7	**520-2,400**	480-2,250	**4.50**	4.30	**2.20**	2.40	165	260	30	277	304	265	147	692	720	748	314	26	**155**	138	M24
UBH 37W-1	+	135	**37,300**	34,500	**680.4**	437.4	**585-2,940**	460-2,500	**5.50**	5.30	**2.50**	3.00	280	290	36	366	360	311	175	742	792	844	361	25	**229**	208	M24
UBH 46W-1	+	135	**46,000**	46,100	**838.3**	584.2	**820-3,725**	740-3,465	**6.50**	6.95	**3.20**	3.90	280	290	36	366	360	311	175	792	818	844	361	25	**234**	215	M24
UBL 64W-1	+	135	**63,800**	65,000	**1165**	824	**1,215-5,250**	1,120-4,965	**7.76**	7.81	**4.30**	5.00	200	320	40	360	385	378	203	704	715	726	402	28	**288**	265	M27
UBK 79W-1	+	135	**78,500**	73,300	**1434**	930	**1,545-6,510**	1,270-5,620	**9.00**	10.00	**4.60**	5.50	280	400	33	387	465	378	203	812	914	1016	403	32	**330**	295	M30
UBN 99W-1	+	135	**98,800**	97,800	**1803**	1240	**2,025-8,270**	1,760-7,580	**13.00**	14.50	**6.40**	7.70	2x125	380	40	380	452	378	205	908	955	1002	415	39	**374**	348	6xM36
UBN 113W-1	+	135	**112,700**	113,000	**2057**	1433	**2,355-9,485**	2,150-8,850	**13.00**	14.50	**6.40**	7.70	2x125	380	40	380	452	378	205	908	955	1002	415	39	**404**	361	6xM36
UBN 127W-1	-	135	**126,600**	130,000	**2311**	1647	**2,675-10,660**	2,515-10,220	**17.20**	18.10	**8.00**	8.90	2x125	380	40	380	452	378	205	948	975	1002	415	39	**440**	393	6xM36
UBP 123W-1	-	135	**123,400**	122,300	**2253**	1550	**2,425-10,200**	2,150-9,360	**15.00**	15.00	**8.00**	9.50	2x140	440	37	463	530	433	232	1020	1051	1082	482	45	**522**	476	6xM42
UBR 144W-1	-	135	**144,300**	146,400	**2634**	1856	**2,700-11,850**	2,450-11,100	**18.00**	18.00	**10.10**	12.00	3x140	480	48	550	570	496	268	980	1049	1118	540	45	**672**	630	8xM42
UBR 176W-1	-	135	**176,400**	169,400	**3220**	2147	**3,450-14,600**	2,920-13,000	**21.00**	21.00	**11.90**	14.20	3x140	480	48	550	570	496	268	1060	1089	1118	540	45	**744**	684	8xM42
UBR 199W-1	-	135	**199,000**	199,000	**3632**	2525	**4,050-16,600**	3,600-15,400	**24.00**	24.00	**12.00**	14.50	3x140	480	48	550	570	496	268	1060	1089	1118	540	45	**768**	728	8xM42
UBT 223W-1	-	135	**223,000**	207,000	**4067**	2622	**4,430-18,450**	3,520-15,750	**28.00**	28.00	**13.95**	17.00	3x140	520	42	554	610	552	297	1138	1171	1204	597	45	**916**	868	8xM42
UBT 250W-1	-	135	**250,000**	250,000	**4572**	3163	**5,050-20,750**	4,470-19,270	**28.00**	28.00	**13.95**	17.00	3x140	520	42	554	610	552	297	1138	1171	1204	597	45	**994**	937	8xM42
UBU 302W-1	-	135	**302,000**	304,000	**5510**	3857	**6,150-25,350**	5,530-23,650	**39.00**	39.00	**22.60**	27.00	3x140	600	45	570	700	602	320	1167	-	-	636	45	**1158**	1090	8xM42

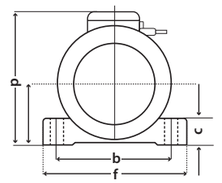
8-pole (50/60 Hz)

Standard	increased security	II2D Temp. Class	Centrifugal force [N]		Working moment [kgcm]		Working weight range with 2x UB [kg]		Rated Current max. [A]		Rated Power [kW]		Dimensions [mm]												Weight [kg]		
(f)UB	eUB	[°C]	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz | 400V**	60Hz | 460V	**50Hz**	60Hz	a	b	c	e	f	g	h	k	k^{1GH}	k^{2GH}	p	s	**50Hz**	60Hz	Screws
UBF 5,8V	+	135	**5,800**	8,300	**188**	188	**100-330**	215-525	**1.23**	1,29	**0,55**	0,54	125	210	29	210	255	222	126	490	521	552	267	17	**70**		M16
UBF 9V	+	135	-	-	-	-	**-**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UBG 14V-1	+	135	**14,400**	20,700	**467**	467	**165-885**	370-1,390	**2.81**	2.89	**1.00**	1.20	165	260	30	277	304	265	147	692	656	748	314	26	**150**		M24
UBH 21V-1	+	135	**21,000**	30,200	**680**	680	**275-1,310**	580-2,075	**4.50**	4.40	**2.00**	2.30	280	290	36	366	360	311	175	742	792	844	361	25	**201**		M24
UBH 26V-1	+	135	**25,800**	37,200	**838**	838	**400-1,660**	770-2,610	**6.00**	6.00	**2.50**	3.00	280	290	36	366	360	311	175	792	817	842	361	25	**219**		M24
UBL 36V-1	+	135	**35,900**	51,700	**1,165**	1,165	**585-2,335**	1,100-3,700	**8.00**	8.20	**3.70**	4.30	200	320	40	360	385	378	203	704	715	726	402	28	**289**		M27
UBK 44V-1	+	135	**44,200**	63,700	**1,434**	1,434	**775-2,925**	1,400-4,575	**8.30**	8.30	**3.90**	4.70	280	400	33	387	465	378	203	812	914	1016	403	32	**330**		M30
UBN 71V-1	+	135	**71,200**	102,500	**2311**	2,311	**1,465-4,935**	2,480-7,560	**14.40**	14.00	**6.00**	7.00	2x 125	380	40	380	452	378	205	948	975	1002	415	39	**422**		6x M36
UBP 87V-1	-	135	**87,300**	113,300	**2,835**	2,553	**1,695-5,950**	2,590-8,175	**13.50**	13.50	**7.50**	8.00	2x 140	440	37	463	530	433	232	1020	1051	1082	482	45	**571**	553	6x M42

Stainless steel motors

- Smooth housing design
- Protection of the terminal box
- Water and moisture resistant





2-pole (50/60 Hz)

Standard	increased security	II2D Temp. Class	Centrifugal force [N]		Working moment [kgcm]		Working weight range with 2x UB [kg]		Rated Current max. [A]		Rated Power [kW]		Dimensions [mm]												Weight [kg]		
pUB	eUB	[°C]	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz | 400V**	60Hz | 460V	**50Hz**	60Hz	a	b	c	e	f	g	h	k	k^{1GH}	k^{2GH}	p	s	**50Hz**	60Hz	Screws
pUBC 3,2Y	-	100	**3,150**	3,170	**6.4**	4,5	**50-290**	**50-290**	**0.52**	0.45	**0.25**	0.28	90	125	17	164	156	134	82	253	-	-	157	13	**16**		M12
pUBD 7,4Y	-	135	**7,440**	7,500	**14.9**	10,6	**145-700**	**145-700**	**1.25**	1.24	**0.59**	0.61	105	140	14	174	170	156	92	333	-	-	204	13	**25**		M12
pUBE 7,8Y	-	135	**7,800**	7,850	**15.7**	11,1	**145-720**	**160-780**	**1.45**	1.50	**0.70**	0.84	120	170	18	197	208	165	96	324	-	-	223	17	**32**	31	M16

4-pole (50/60 Hz)

Standard	increased security	II2D Temp. Class	Centrifugal force [N]		Working moment [kgcm]		Working weight range with 2x UB [kg]		Rated Current max. [A]		Rated Power [kW]		Dimensions [mm]												Weight [kg]		
pUB	eUB	[°C]	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz | 400V**	60Hz | 460V	**50Hz**	60Hz	a	b	c	e	f	g	h	k	k^{1GH}	k^{2GH}	p	s	**50Hz**	60Hz	Screws
pUBC 1,9X	-	100	**1900**	1920	**15.4**	10.8	**25-170**	25-170	**0.49**	0.50	**0.12**	0.15	90	125	17	164	156	134	82	298	-	-	157	13	**18.5**		M12
pUBD 5X	-	135	**4,950**	5,000	**40.1**	28.1	**75-480**	75-480	**1.06**	1.09	**0.35**	0.4	105	140	14	174	170	156	92	333	-	-	204	13	**30**		M12
pUBE 7X	-	135	**7,000**	7,000	**56.8**	39.4	**110-680**	110-680	**1.32**	1.20	**0.62**	0.73	120	170	18	197	208	165	96	388	-	-	223	17	**39**		M16
pUBE 11X	-	135	**10,900**	11,000	**88.7**	62	**200-1,075**	200-1,075	**1.40**	1.35	**0.64**	0.77	120	170	18	192	208	170	96	458	-	-	223	17	**47**		M16
pUB1F 13X	-	135	**13,400**	13,600	**108.6**	76.7	**230-1,325**	230-1,325	**1.78**	1.78	**0.70**	0.73	140	190	26	218	230	221	96	445	-	-	250	17	**65**		M16
pUB1F 23X	-	135	**23,100**	24,400	**187.7**	137.4	**485-2,330**	485-2,330	**3.20**	3.20	**1.57**	1.88	140	190	26	218	230	221	96	489	-	-	250	17	**70**		M16

6-pole (50/60 Hz)

Standard	increased security	II2D Temp. Class	Centrifugal force [N]		Working moment [kgcm]		Working weight range with 2x UB [kg]		Rated Current max. [A]		Rated Power [kW]		Dimensions [mm]												Weight [kg]		
pUB	eUB	[°C]	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz | 400V**	60Hz | 460V	**50Hz**	60Hz	a	b	c	e	f	g	h	k	k^{1GH}	k^{2GH}	p	s	**50Hz**	60Hz	Screws
pUBD 1,8W	-	135	**1,800**	1,800	**33.5**	23.4	**20-110**	20-100	**0.65**	0.62	**0.15**	0.18	105	140	14	174	170	156	92	333	-	-	204	13	**28**		M12
pUBE 5W	-	135	**5,000**	7,250	**91.9**	91.9	**50-370**	90-520	**0.67**	1.15	**0.55**	0.40	120	170	18	192	208	170	96	458	-	-	223	17	**46**		M16
pUB1F 8W	-	135	**7,500**	8,600	**137.4**	108.6	**90-570**	100-610	**1.42**	1.32	**0.75**	0.80	140	190	26	218	230	221	124	445	-	-	250	17	**60**	58	M16
pUB1F 16W	-	135	**15,600**	15,500	**284.8**	196.5	**270-1,250**	250-1,150	**1.80**	2.00	**0.90**	1.08	140	190	26	218	230	221	124	565|489	-	-	250	17	**84**	73	M16

8-pole (50/60 Hz)

Standard	increased security	II2D Temp. Class	Centrifugal force [N]		Working moment [kgcm]		Working weight range with 2x UB [kg]		Rated Current max. [A]		Rated Power [kW]		Dimensions [mm]												Weight [kg]		
pUB	eUB	[°C]	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz**	60Hz	**50Hz | 400V**	60Hz | 460V	**50Hz**	60Hz	a	b	c	e	f	g	h	k	k^{1GH}	k^{2GH}	p	s	**50Hz**	60Hz	Screws
pUBD 1,1V	-	135	**1,050**	1,500	**33.4**	33.4	**10-28**	20-65	**1.14**	1.14	**0.23**	0.25	105	140	14	174	170	156	92	333	-	-	204	13	**28**		M12
pUBE 2,6V	-	135	**2,600**	3,700	**84.0**	84.0	**40-120**	100-210	**0.90**	0.89	**0.25**	0.30	120	170	18	192	208	170	96	458	-	-	223	17	**46**		M16
pUB1F 4,2V	-	135	**4,200**	6,100	**137.3**	137.3	**90-220**	100-370	**1.20**	1.20	**0.37**	0.45	140	190	26	218	230	221	124	445	-	-	250	17	**63**		M16
pUB1F 5,8V	-	135	**5,800**	8,300	**187.7**	187.7	**95-330**	100-540	**1.23**	1.29	**0.55**	0.54	140	190	26	218	230	221	124	489	-	-	250	17	**70**		M16

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