

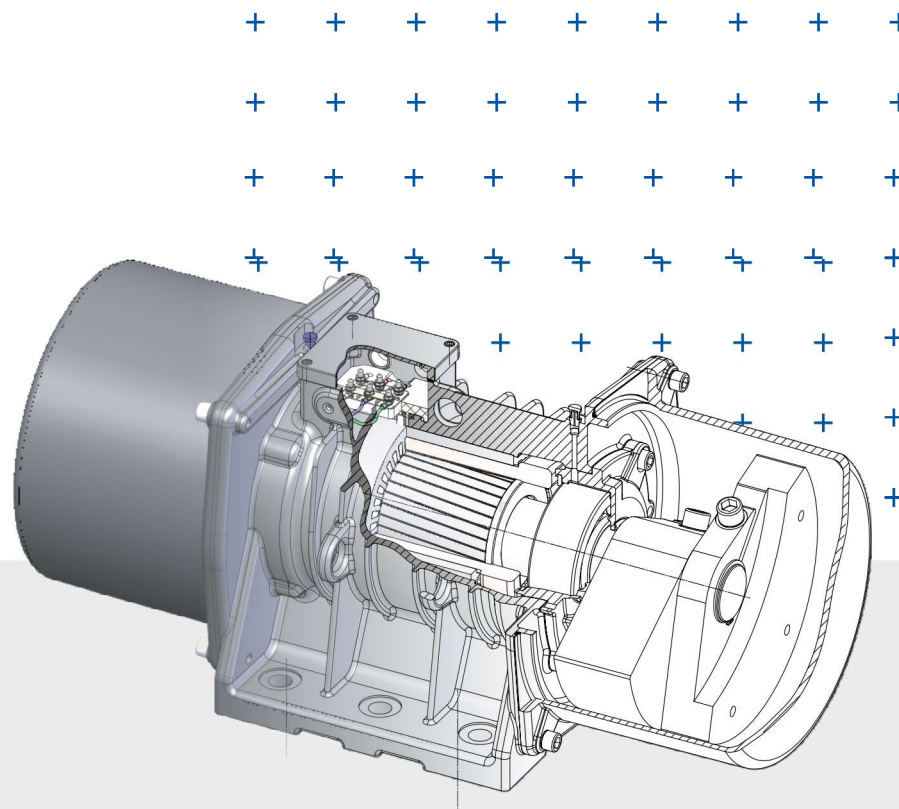
QUALITY THAT YOU CAN FEEL

TECHNICAL FEATURES

- **Voltage** 3~230/400V 50Hz and 1~230V 50Hz
- 12V/24V (DC)
- **PTC thermistors (130°C)** from size HV 40
- 2, 4, 6 and 8 pole versions available
- (10- and 12-pole versions on request)
- **Low energy consumption** with highest starting torque
- The windings of the sizes HV 1, HV 2 and HV 6 are **completely cast under vacuum** in the stator housing
- In the other series the complete winding is **impregnated twice with special resin**, not just the winding head
- All windings are equipped with **phase insulation** for safe operation with frequency converters
- **Tropical isolation** is standard
- **Insulation class F** (155°C)
- **Ambient temperature** -20°C to +40°C, for some types up to +55°C
- The stator housings from size HV 40 are made of nodular cast iron with cooling fins for **optimal elasticity and strength**
- **Impact-resistant protective covers cast** from special aluminum or deep-drawn from electrically polished stainless steel
- **Easy adjustment** of the centrifugal force using steps or stepless from 0% - 100% through a scale etched on the unbalance disks
- All sealing surfaces are machined for perfect a seal. All O-ring seals sit securely recessed in grooves
- **Protection class IP 66** according to IEC 529, EN 60529 (HV 2 GL: IP 69K according to ISO 20653:2013)
- Impact protection IK 08 according to IEC 68, ISO 50102
- **Premium rolling bearings** with increased C4 internal clearance, made just for us
- Cylindrical roller bearings with **increased load capacity** and with a spherically ground inner ring
- Each motor undergoes a **test run** with full unbalance adjustment and checking the rated current before delivery
- **Paint: RAL 7016**, (HV 0.1, HV 0.4, HV 1 are unpainted)
- **ISO 9001:2015** certified by TÜV Rheinland
- **Compliant with the following European directives:** 2014/35/EU (low voltage), EN 60034-1

SPECIAL VERSIONS

- **Special voltages** 3~42V-700V 50Hz / 60Hz available
- Special windings with **PTC thermistors** (130°C and 155°C) and **anti-condensation heaters** (heaters) available
- **Pole-changing** motors
- **ATEX version** (Zone 22) available for most models
- **Insulation class class H** (180°C)
- Ambient temperature for some Typees up to **+55°C**
- Low temperature version with special bearing grease for operation **up to -65°C**
- **Impact-resistant** protective covers deep-drawn from electrically polished stainless steel
- **Special paint finishes**
- **Special epoxy coating** with stainless steel particles 316L ("STEEL IT") with USDA approval for the food sector
- **Specially certified rolling bearing grease** for the food sector
- Various **mounting bolt patterns** available to fit **market competitors**
- **Different cable Typees and lengths** connected to the motor available

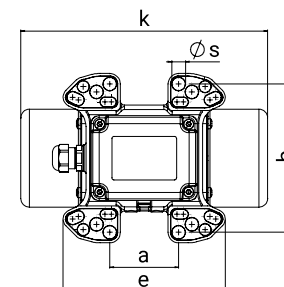
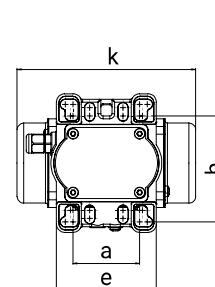
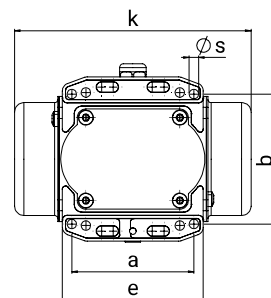
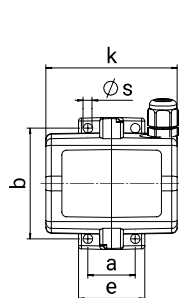


OVERVIEW

DRAWINGS

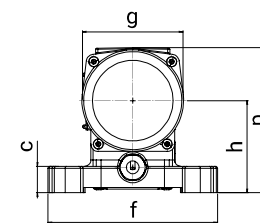
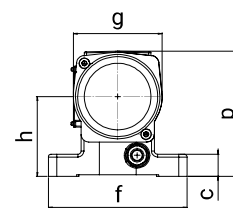
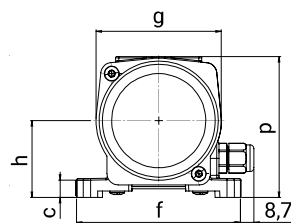
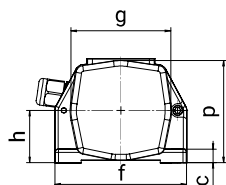
AA: Multi-hole pattern

- 60x85 Ø6,0
- 78x83 Ø6,0
- 25-40x92 Ø6,0 4xM5 (8 Nm)
or 4xM6 (8 Nm)



BB: Multi-hole pattern

- 60-65x85-106 Ø9,5
- 62-84x106 Ø9,0
- 30x85-102 Ø9,0 4xM8 (30 Nm)



Drawing A

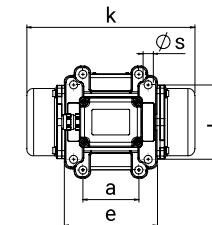
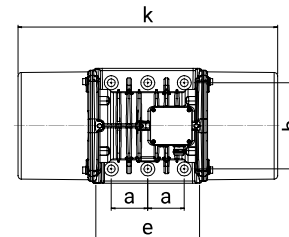
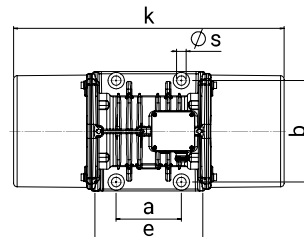
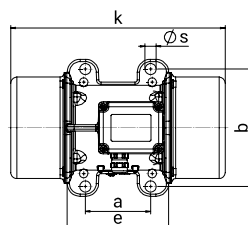
Drawing B

Drawing C

Drawing D

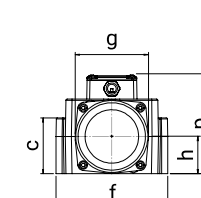
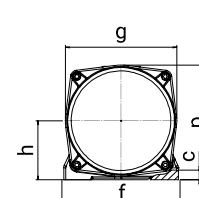
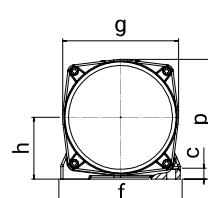
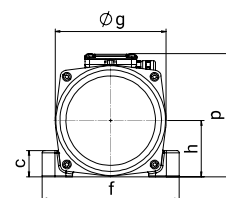
CC: Multi-hole pattern

- 62-74x106 Ø9 4xM8 (30Nm)
- 65x140 Ø12,5 4xM12 (75Nm)
- 90x125 Ø12,5 4xM12
- 115x135 Ø11 4xM10 (55 Nm)
- 124x110 Ø11 4xM10 (55 Nm)
- 35x115 Ø11 4xM10 (55 Nm)



DD: Multi-hole pattern

- 65x140 Ø13 4xM12 (75 Nm)
- 90x125 Ø13 4xM12 (75 Nm)
- 135x115 Ø11 4xM10 (55 Nm)
- 124x110 Ø11 4xM10 (55 Nm)



Drawing E

Drawing F

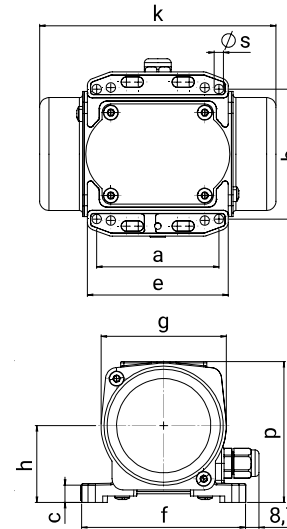
Drawing G

Drawing J

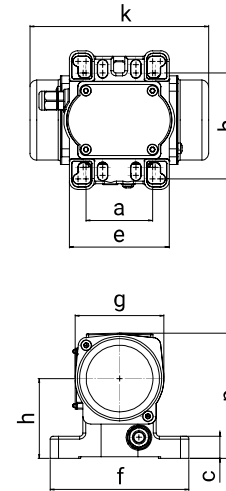
3 PHASE ELECTRIC VIBRATOR MOTORS 2-POLE

Synchronous speed 50 Hz 3000 min⁻¹, 60 Hz 3600 min⁻¹

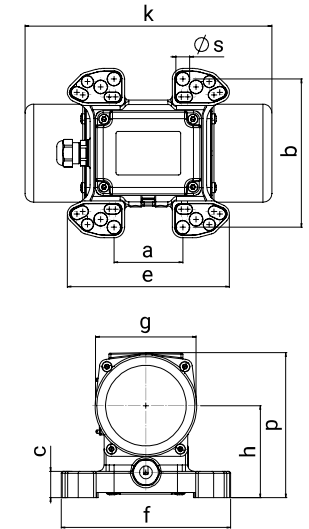
- AA-DD: Multi-hole pattern, see page 5
- 3D: These motors are also available in ATEX version for Zone 22 (Typee designation HVe)
- * including 2 m cable



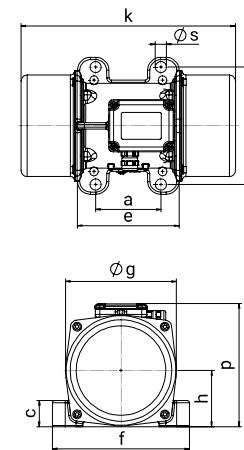
Drawing B



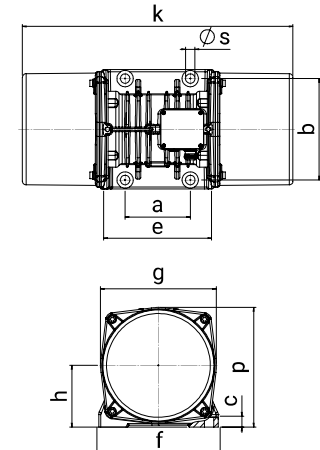
Drawing C



Drawing D



Drawing E



Drawing F

Type	Frame	Working moment		Force		Power	Current		Starting-/ rated current	Drawing	Measure- ments										Weight	Cable Ø	Cable gland	Mounting bolts	HVe
		cmkg		N		W	A		IA/IN		mm										kg	mm			ATEX
		50Hz	60Hz	50Hz	60Hz		400V 50Hz	480V 60Hz			a	b	s	c	e	f	h	g	p	k					
HV 0,4/2*	Al	0,40	0,40	200	290	50	0,10	0,10	2,4	B	AA	AA	AA	12	90	105	49	80	90	151	1,80	5-10	M16x1,5	AA	3D
HV 0,4/2-1*	Al	0,90	0,90	450	650	50	0,10	0,10	2,4	B	AA	AA	AA	12	90	105	49	80	90	151	2,10	5-10	M16x1,5	AA	3D
HV 1/2	Al	1,00	0,80	500	576	95	0,18	0,15	2,6	C	BB	BB	BB	20	90	125	72	80	113	161	3,40	5-10	M16x1,5	4xM8	3D
HV 2/2-4	Al	3,70	3,70	1760	2534	160	0,29	0,24	3,3	D	CC	CC	CC	25	153	160	87	96	137	203	5,90	6-12	M20x1,5	CC	3D
HV 2/2-6	Al	6,00	-	2860	-	160	0,29	-	3,3	D	CC	CC	CC	25	153	160	87	96	137	233	6,20	6-12	M20x1,5	CC	3D
HV 6/2	Al	6,10	6,10	3050	4390	300	0,57	0,48	4,2	D	DD	DD	DD	26	153	160	91	114	150	265	7,64	6-12	M20x1,5	DD	3D
HV 6/2-8	Al	8,40	-	4200	-	350	0,70	-	3,4	D	DD	DD	DD	26	153	160	91	114	150	265	8,35	6-12	M20x1,5	DD	-
HV 8/2*	Al	8,40	6,10	4200	4390	650	1,25	1,04	4,5	E	100 105	180 140	17 13	40	156	210	86	170	190	329	15,30	9-14	M20x1,5	4xM16 4xM12	3D
HV 8/2-11*	Al	10,50	7,50	5250	5400	650	1,25	1,04	4,5	E	100 105	180 140	17 13	40	156	210	86	170	190	329	15,60	9-14	M20x1,5	4xM16 4xM12	3D

Type	Frame	Working moment		Force		Power	Current		Starting-/ rated current	Drawing	Measure- ments										Weight	Cable Ø	Cable gland	Mounting bolts	HVe
		cmkg		N		W	A		IA/IN		mm										kg	mm			ATEX
		50Hz	60Hz	50Hz	60Hz		400V 50Hz	480V 60Hz			a	b	s	c	e	f	h	g	p	k					
HV 12/2*	Al	12,00	9,00	6000	6480	650	1,25	1,04	4,5	E	100 105	180 140	17 13	40	156	210	86	170	190	329	15,80	9-14	M20x1,5	4xM16 4xM12	3D
HV 15/2*	Al	15,00	10,50	7500	7560	650	1,25	1,04	4,5	E	100	180	17	40	156	210	86	170	190	329	16,30	9-14	M20x1,5	4xM16	3D
HV 15/2-20*	Al	21,00	15,00	10500	10800	900	1,55	1,04	4,5	E	100	180	17	40	156	210	86	170	190	329	17,50	9-14	M20x1,5	4xM16	3D
HV 15/2-25*	Al	25,00	18,00	12600	12700	900	1,55	1,29	4,5	E	100	180	17	40	156	210	86	170	190	329	17,90	9-14	M20x1,5	4xM16	3D
HV 15/2-30*	Al	32,00	23,00	16500	16971	900	1,55	1,29	4,5	E	100	180	17	40	156	210	86	170	190	329	19,30	9-14	M20x1,5	4xM16	3D
HV 40/2*	GJS	50,00	33,00	25000	24000	1260	2,00	1,67	TBD	F	140	190	18	20	200	225	120	230	251	398	49,00	13-18	M20x1,5	4xM16	3D
HV 75/2*	GJS	86,00	60,00	43000	43340	3290	5,45	4,54	TBD	F	155	255	23,5	25	260	300	145	280	285	443	82,60	13-18	M20x1,5	4xM22	3D
HV 130/2	GJS	130,00	91,00	63000	63100	4900	7,70	6,42	7,90	F	200	320	28	35	310	390	183	350	358	673	170,00	13-18	M25x1,5	4xM27	3D

