

**Asynchronmotoren, Serie KV  
mit eingebauter Bremse fuer  
Hubseilzuege**

- Modifikationen Spannung nach, 50 Hz / 60 Hz
- Isolierklasse F, Moegliche Ausfuehrung H
- Arbeitsregime, Bestellung nach:  
25%/150h<sup>-1</sup>, 30%/180h<sup>-1</sup> oder 10/25%/180h<sup>-1</sup>
- Wellenaxialgang 0,5 ± 1,0 mm
- IP 54, IP22 der Bremse (EN60529)
- Flanschausfuehrung-IM B5 (EN 60034-7)
- Moeglichkeit um Thermoschutz einzubauen

**ANWENDUNG: Fuer Hubwerke der Seilzuege  
Bauwinde und andere Hebezeuge**

**Asynchronous electric motors KV series  
with built-in brake for the main lifting  
mechanism of electric wire rope hoists**

- Voltage modifications, 50 Hz / 60 Hz
- Insulation class F, optional H
- On request the duty cycle could be:  
25%/150 h<sup>-1</sup>, 30%/180 h<sup>-1</sup> or 10/25%/180h<sup>-1</sup>
- Axial shaft run 0,5 ± 1,0 mm
- IP 54, brake protection IP 22 (EN 60529)
- Flange joining IM B5 (EN 60034-7)
- Optional thermal protection

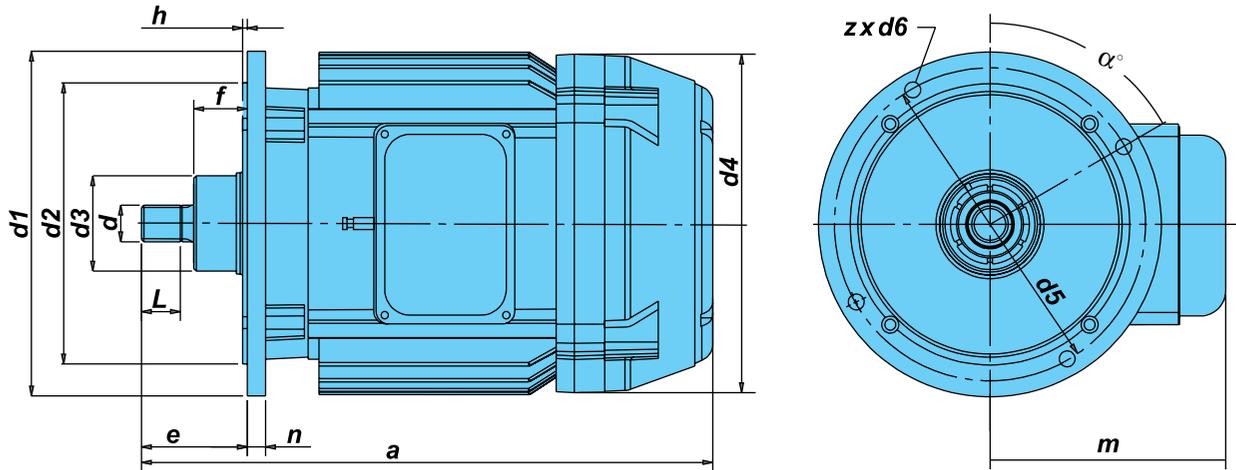
**Application: Main lifting mechanism of  
electric wire rope hoists, winches  
and other lifting machines**



Leistung Power	Typ Type	Drehzahl Rotation speed	Spannung Voltage	Arbeitsregime Duty cycle		Strom Current	Start moment Starting torque	Brems- moment Braking torque	Gewicht Weight
				CD	SF				
kW	-	min <sup>-1</sup>	V	%	h <sup>-1</sup>	A	Nm	Nm	kg
0.75	KV 0501-6	910	400/230	40	240	3.3/5.7	16.4	10.8	30
1.5	KV 1001-6	910	400/230	40	240	5.8/10.0	25.0	23.5	39
3.0	KV 2002-6	920	400/230	40	240	11.0/19.0	60.5	49	65
4.5	KV 3002-6	920	400/230	40	240	15.0/26.0	78.0	88	70
8.0	KV 4002-6	920	400/230	40	240	24.5/42.5	132	105	103
13.0	KV 4003-6	920	400/230	40	240	26.0/45.0	360	210	195
13.0	KV 5002B6	950	400/230	40	240	26.0/45.0	280	290	230
16.0	KV 5002-6	930	400/230	40	240	55.0/95.3	330	340	230
13.0	KV 6002B6	950	400/230	40	240	26.0/45.0	280	290	230
16.0	KV 6002-6	930	400/230	40	240	55.0/95.3	330	340	230
22.0	KV 6002P6	950	400/230	40	240	42.0/72.0	360	340	230
25.0	KV I 6002P6	930	400/230	40	240	66.0/114.3	450	420	230
1.1	KV 0501-4	1360	400/230	40	240	3.6/6.2	15	18	30
2.3	KV 1001-4	1300	400/230	40	240	6.0/10.5	26	28	39
4.5	KV 2001-4	1400	400/230	40	240	12.0/21.0	60	70	65
7.5	KV 3001-4	1380	400/230	40	240	17.0/29.5	105	100	82
12.0	KV 4001-4	1430	400/230	40	240	28.0/48.5	180	130	141
22.0	KV 5001-4	1400	400/230	40	240	51.0/88.3	510	290	230
22.0	KV 6001B4	1400	400/230	40	240	50.0/86.3	510	290	230
25.0	KV 6001-4	1400	400/230	40	240	51.0/88.3	510	330	230
30.0*	KV 6003-4*	1400	400/230	40	240	49.0/85.0	400	380	252
0.33/1.5	KV 1003-24/6	200/930	400	25/50	300	3.7/5.0	29	24	57
0.7/3.0	KV 2003-24/6	210/930	400	25/50	300	6.0/7.5	52	48	102
1.0/4.8	KV 3003-24/6	200/940	400	25/50	300	11.0/12.0	100	90	135
1.7/8.0	KV 4003-24/6	200/920	400	25/50	300	15.0/18.0	140	135	195
3.0/13.0	KV 5001-24/6	220/960	400	10/40	240	40.0/30.0	215	180	230
4.0/16.0	KV 5003-24/6	210/950	400	10/40	240	70.0/36.0	360/300	290	252
3.0/13.0	KV 6001-24/6	220/960	400	10/40	240	40.0/30.0	215	180	230
4.0/16.0	KV 6003-24/6	210/950	400	10/40	240	70.0/36.0	360/300	330	252
5.0/20.0	KV 6003P24/6	210/950	400	15/30	180	84.0/43.0	360/300	330	252
0.33/2.2	KV 1003-24/4	200/1400	400	25/50	300	3.7/6.2	29	30	57
0.7/4.5	KV 2003-24/4	210/1400	400	25/50	300	6.0/9.5	52	55	102
1.0/7.5	KV 3003-24/4	200/1400	400	25/50	300	11.0/15.0	100	90	135
1.7/12.5	KV 4003-24/4	200/1430	400	25/50	300	15.0/23.0	140	135	195
3.7/22.0	KV 5003-24/4	210/1400	400	10/40	240	71.0/48.0	360/380	290	252
3.7/22.0	KV 6003-24/4	210/1400	400	10/40	240	71.0/48.0	360/380	290	252
4.0/24.0	KV 6003P24/4	210/1400	400	15/30	120/60	73.7/50.0	360/380	290	252

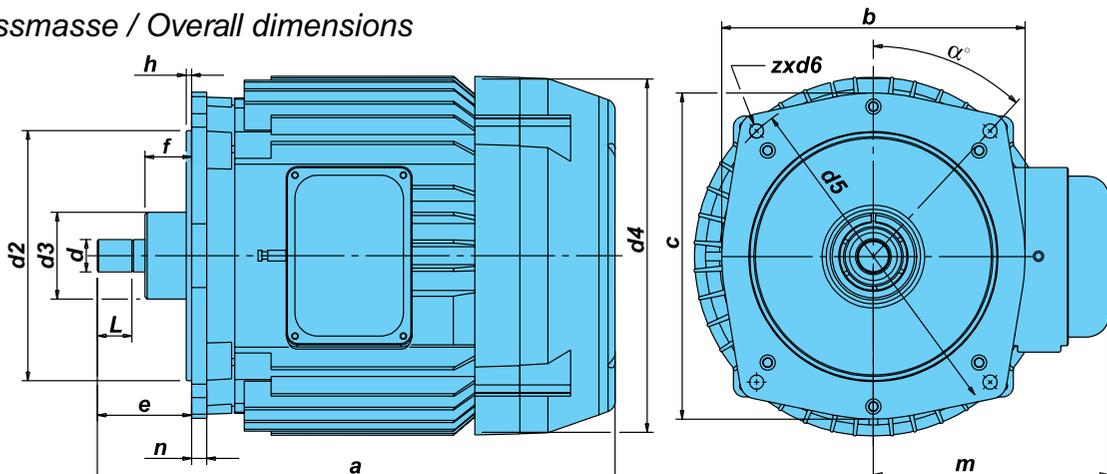
\* Arbeit nur mit Frequenzregler / Working only with frequency inverter  
ED / CD – Arbeitsregime / Cyclic duration factor  
c/h / SF – Einschaltanzahl pro Stunde / Number of switches per hour

Anschlussmasse / Overall dimensions



Typ / Type	Abmessungen / Dimensions [mm]													Welle / Shaft		
	a	e*	n	f	h	m	d1	d2	d3	d4	d5	z x d6	α°	d	L	
KV 0501	340					165	221			230	203		15		25	
KV 1001	350	67	12	20	4	165	221	180	74	230	203	4x9	15	Eв25x1.5x16S3aX	25	
KV 1003	387					198	250			278	230		45		27	
KV 2001	422					172										
KV 2002	422	87	12	44	4	172										
KV 3001	480					198	282	230	78	275	254	4x13	60	Eв30x1.5x18S3aX	32	
KV 3002	436					194										
KV 4001	502					172										
KV 4001	502					251	368			105	376	330	65			
KV 4002	476	67	17	20	4	212	368	250		108	328	330	4x17	65	Eв40x2.0x18S3aX	32
KV 4003	557					257	370			108	418	336	30			
KV 7001	690	89.5	19	8	4	310	560	430	158	555	510	4x17	30	Eв60x2.5x9g	60	

Anschlussmasse / Overall dimensions



Typ / Type	Abmessungen / Dimensions [mm]													Welle / Shaft		
	a	b	c	e*	n	f	h	m	d2	d3	d4	d5	z x d6	α°	d	L
KV 2003	473							220			328					
KV 3003	500	280	300	87	14	43	4	230	230		366	316	4x13	43	Eв30x1.5x18S3aX	32
KV 5001								220			328					
KV 5002																
KV 5003																
KV 6001	579	415	415	67	18	8	5	266	362	120	348	440	4x19	45	Eв45x2.5x16S3aX	54
KV 6002																
KV 6003																

\* Arbeitslage. Toleranz der Bremslage - max 2.5 mm / At operation mode. At idle mode the maximum tolerance is 2.5 mm