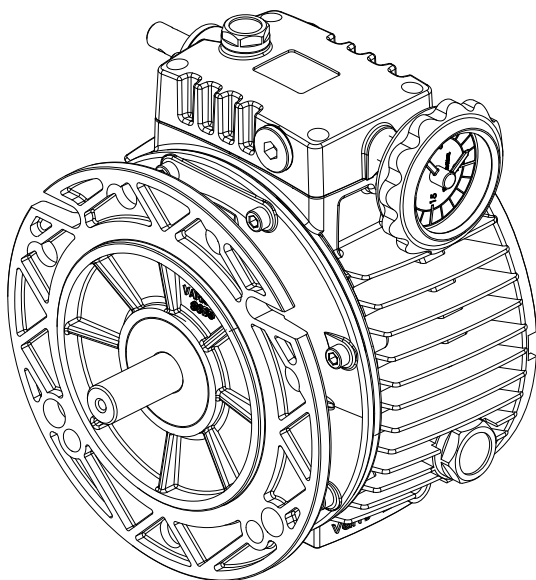
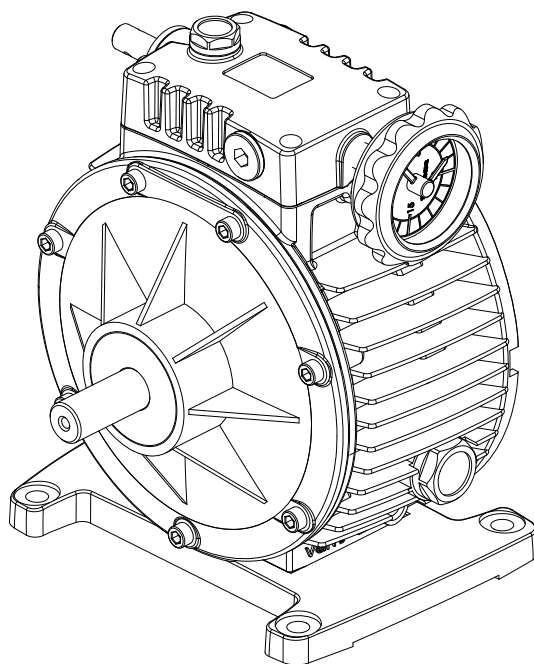
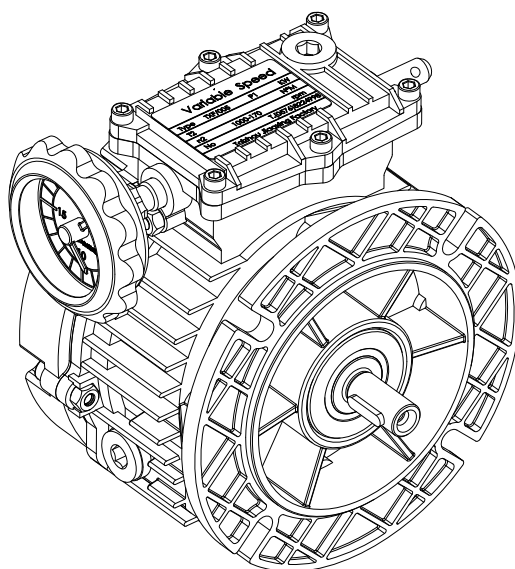


VM SERIES PLANETARY CONE & DISK STEP-LESS SPEED VARIATOR

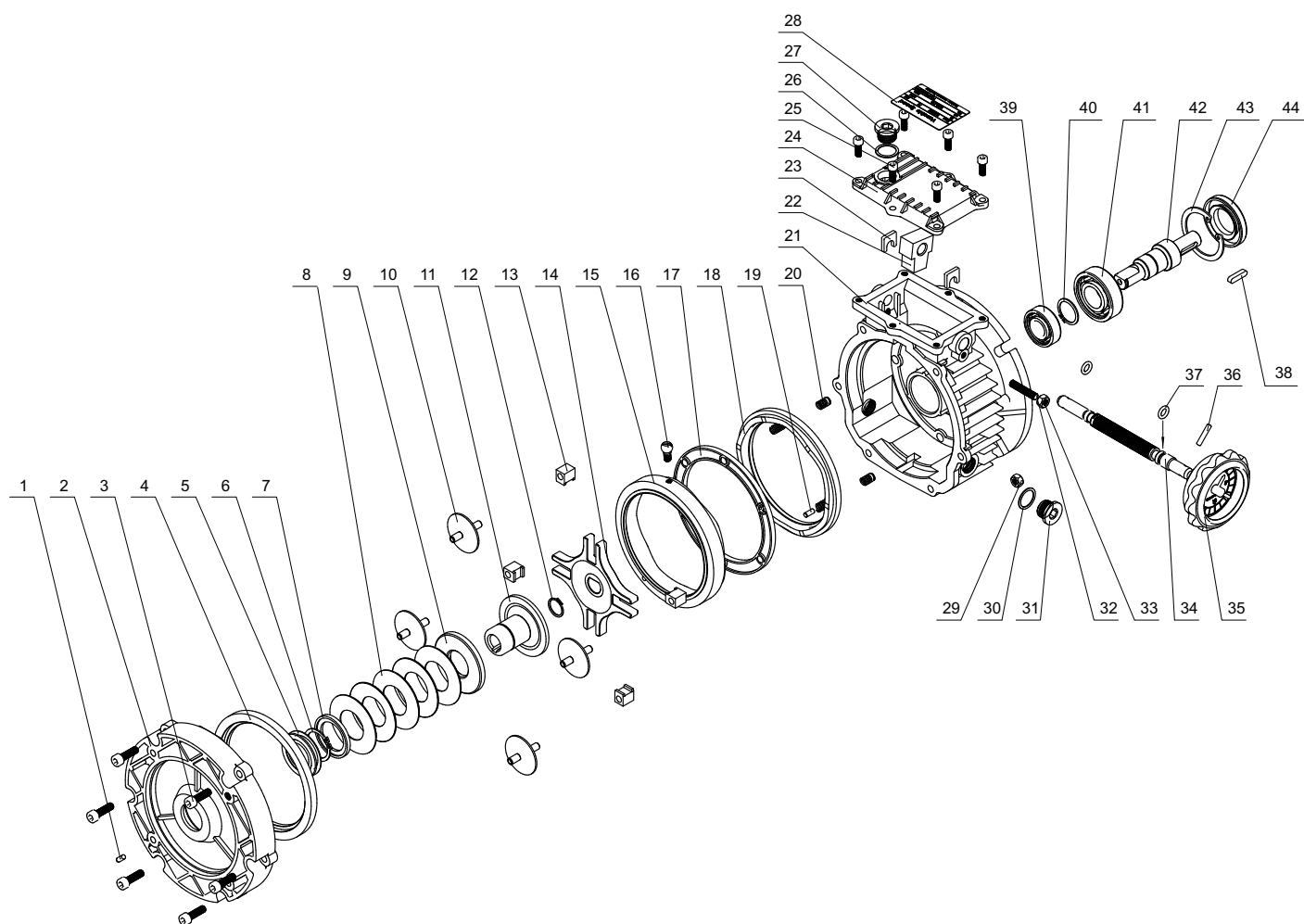


VM..B5



VM..B3

1.0 EXPLODED VIEW



1	Straight pin	12	Circlip for shaft	23	Locating piece	34	Regulating screw rod
2	Input flange	13	Planet disc friction bearing	24	Cap	35	Handwheel
3	Hexagon socket head cap screw	14	Planet carrier	25	Hexagon socket head cap screw	36	Straight pin
4	Fixed annulus race	15	Adjustable annulus race	26	Rubber gasket	37	O-ring
5	Oli seal	16	Ball joint	27	Oil plug	38	Parallel key
6	Circlip for shaft	17	Ball ring	28	Nameplate	39	Bearing
7	Washer	18	Cam ring	29	Hexagon nuts	40	Circlip for hole
8	Belleville spring	19	Straight pin	30	Rubber insert	41	Bearing
9	Adjustable sun race	20	Spring	31	Oil level indicator	42	Low speed shaft
10	Planet disc	21	Case	32	Bolt	43	Circlip for hole
11	Fixed sun race	22	Regulating block	33	Hexagon nuts	44	Oli seal

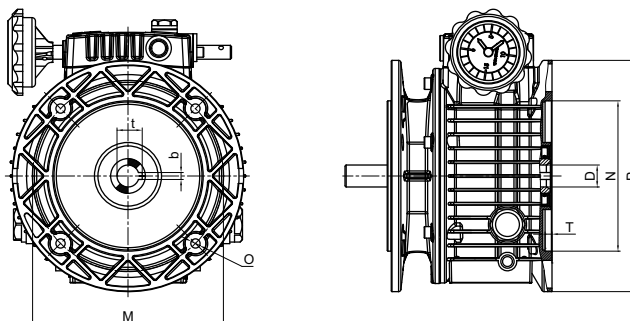
2.0 STEPLESS SPEED VARIATOR SELECTION CHARTS

2.1 VM Performance

$n_1=1400$

P₁ (kW)	i	TYPE	n₂ min⁻¹ max	n₂ min⁻¹ min	M₂ Nm min	M₂ Nm max	
0.18	1.6-8.2	VM063	880	170	1.5	3	632-4
0.25	1.4-8.2	VM071	1000	170	2	6	711-4
0.37	1.4-8.2	VM071	1000	170	3	6	712-4
0.55	1.4-8.2	VM080	1000	170	4.4	12	801-4
0.75	1.4-8.2	VM080	1000	170	6	12	802-4
1.1	1.4-8.2	VM090	1000	170	9	18	90S-4
1.5	1.4-8.2	VM090	1000	170	12	24	90L-4
2.2	1.4-7	VM100	1000	200	18	36	100L1-4
3.0	1.4-7	VM100/112	1000	200	24	48	100L2-4
4.0	1.4-7	VM112	1000	200	32	64	112M-4
5.5	1.4-7	VM132	1000	200	45	90	132S-4
7.5	1.4-7	VM132	1000	200	59	118	132M-4

3.0 IEC Motor interface

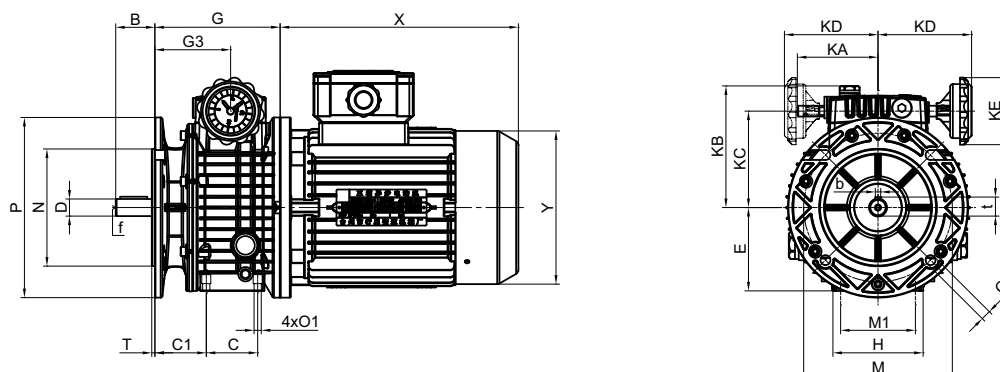


	PAM IEC	P	N_{H7}	M	O	D_{E7}	b	t	T
VM063	63B5	140	95	115	M8	11	4	12.8	4
VM071	71B5	160	110	130	M8	14	5	16.3	5
VM080	80B5	200	130	165	M10	19	6	21.8	6
VM090	90B5	200	130	165	M10	24	8	27.3	6
VM100/112	100B5/112B5	250	180	215	M12	28	8	31.3	6
VM132	132B5	300	230	265	M12	38	10	41.3	6

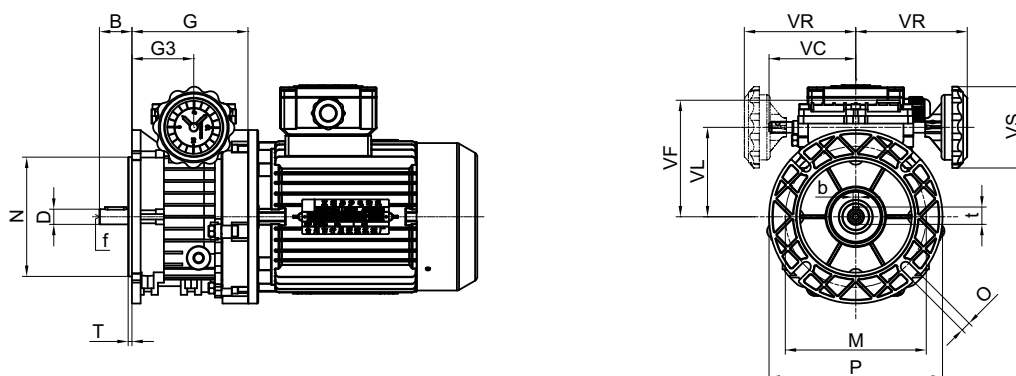
4.0 SPEED VARIATOR DIMENSIONS CHARTS

4.1 VM Series dimensions charts

VM - B5



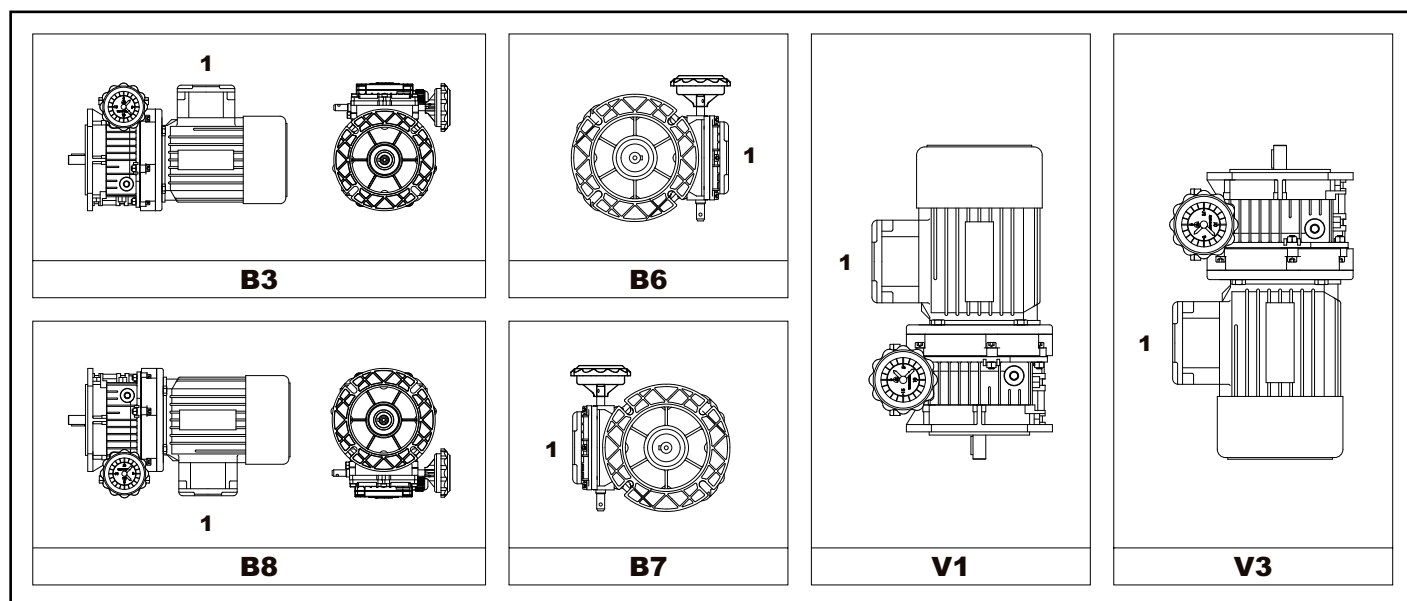
TYPE	B	Dj6	C	G	G3	E	H	M	M1	N	O	O1	P	T	C1	KA	KB	KC	KD	KD1	KE	b	t	f	X	Y
VM063B5-0.18	23	11	50	111.5	64	70	72	115	60	95	9	M6	140	3.5	46	75	113	78	113	113	70	4	12.5	M5	207	130
VM090B5-1.1	50	24	-	174	106.5	111	230	165	-	130	11	-	200	3.5	-	108.5	148	127	140	-	85	8	27	M8	270	195
VM090B5-1.5																									295	195
VM100B5-2.2	60	28	-	222	131	136	265	215	-	180	15	-	250	4	-	131	181	158	150	-	120	8	31	M8	325	215
VM100/112B5-3.0																									340	240
VM112B5-4.0	80	38	-	263	130	185	-	265	-	230	19	-	300	4	-	163	218	193	182	-	120	10	41	M10	390	275
VM132B5-5.5																									430	275
VM132B5-7.5																										



TYPE	B	Dk6	G	G3	M	Nh8	O	P	T	VC	VF	VL	VR	VS	b	f	t
VM071B5	30(40)	14(19)	107	57	130	110	9	160	3.5	79.5	104.5	82	116.5	71	5(6)	M6	16(21.5)
VM080B5	40(50)	19(24)	131	68.5	165	130	11	200	3.5	89.5	127	103	126.5	85	6(8)	M6(M8)	21.5(27)

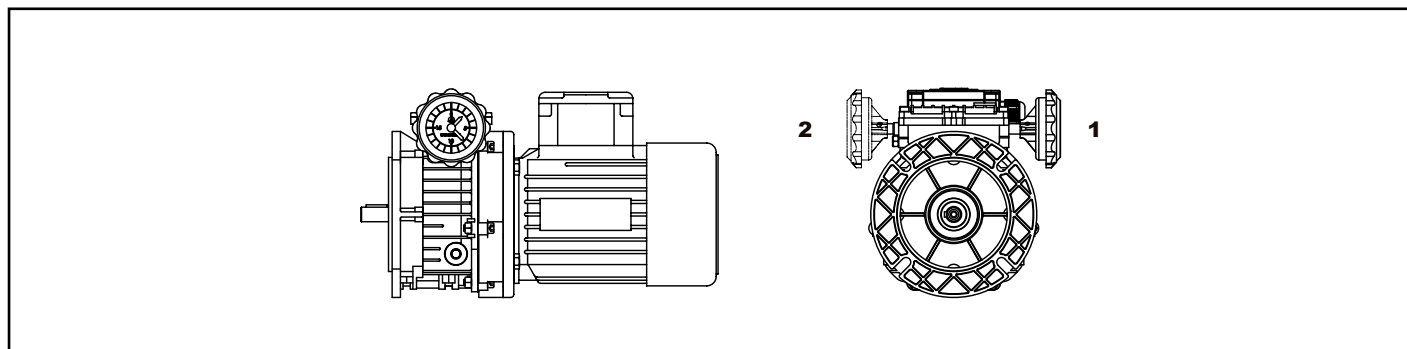
(..) Only on request

5.0 MOUNTING POSITIONS



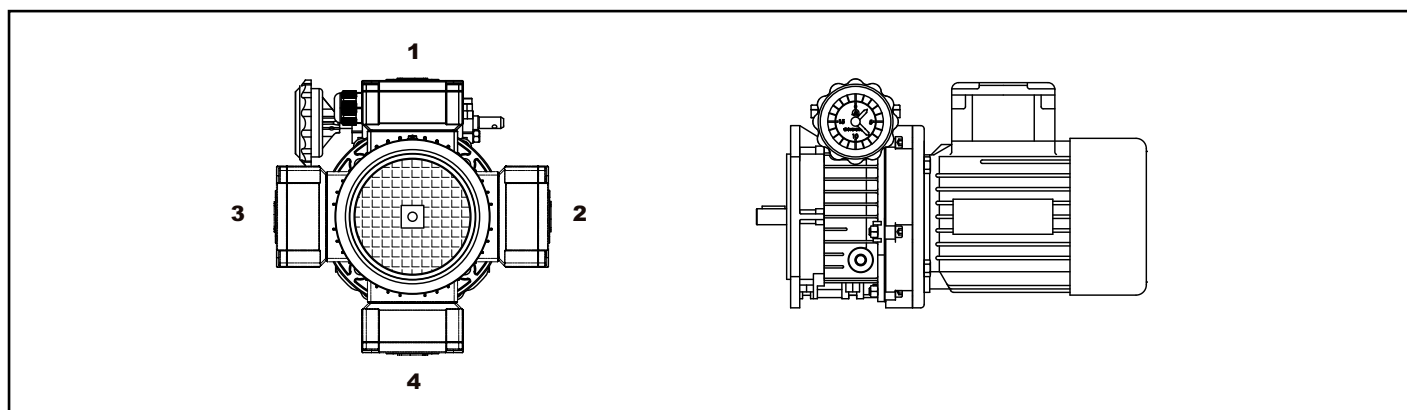
6.0 POSITIONS DIAGRAM

6.1 Hand-wheel position



Unless specified otherwise, the variator is supplied with the hand-wheel in pos. 1 referred to position B3.

6.2 POS. of terminal box



In the case of specific requirements, when ordering, specify the position of the terminal box as shown in the diagram.