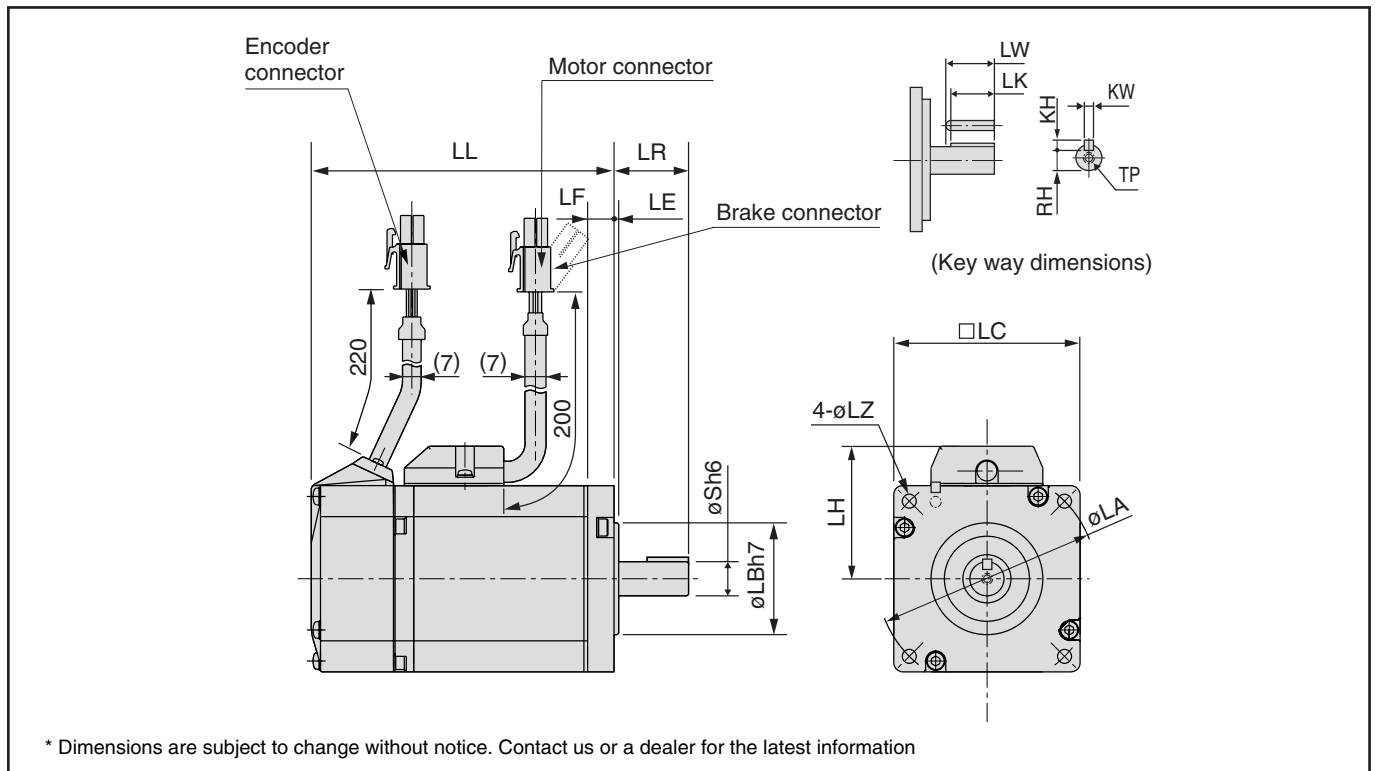


# Motor Dimensions

## MUMA 50W to 400W



		<b>MUMA series</b> (Ultra low inertia) <span style="float: right;">[unit: mm]</span>			
Motor output		50W	100W	200W	400W
Motor model	MUMA	5A□P1□	01□P1□	02□P1□	04□P1□
Rotary encoder specifications		2500P/r Incremental	2500P/r Incremental	2500P/r Incremental	2500P/r Incremental
LL	Without brake	75.5	92.5	96	123.5
	With brake	107	124	129	156.5
LR		24	24	30	30
S		8	8	11	14
LA		48	48	70	70
LB		22	22	50	50
LC		42	42	60	60
LE		2	2	3	3
LF		7	7	7	7
LH		34	34	43	43
LZ		3.4	3.4	4.5	4.5
Key way	LW	14	14	20	25
	LK	12.5	12.5	18	22.5
	KW	3h9	3h9	4h9	5h9
	KH	3	3	4	5
	RH	6.2	6.2	8.5	11
	TP	M3 X 6 (depth)	M3 X 6 (depth)	M4 X 8 (depth)	M5 X 10 (depth)
Mass (kg)	Without brake	0.40	0.50	0.96	1.5
	With brake	0.60	0.70	1.36	1.9
Connector/Plug specifications		refer to Options, pages E26, 27.			

**<Cautions>**

Reduce the moment of inertia ratio if high speed response operation is required.  
 Read the Instruction Manual carefully and understand all precautions and remarks before using the products.