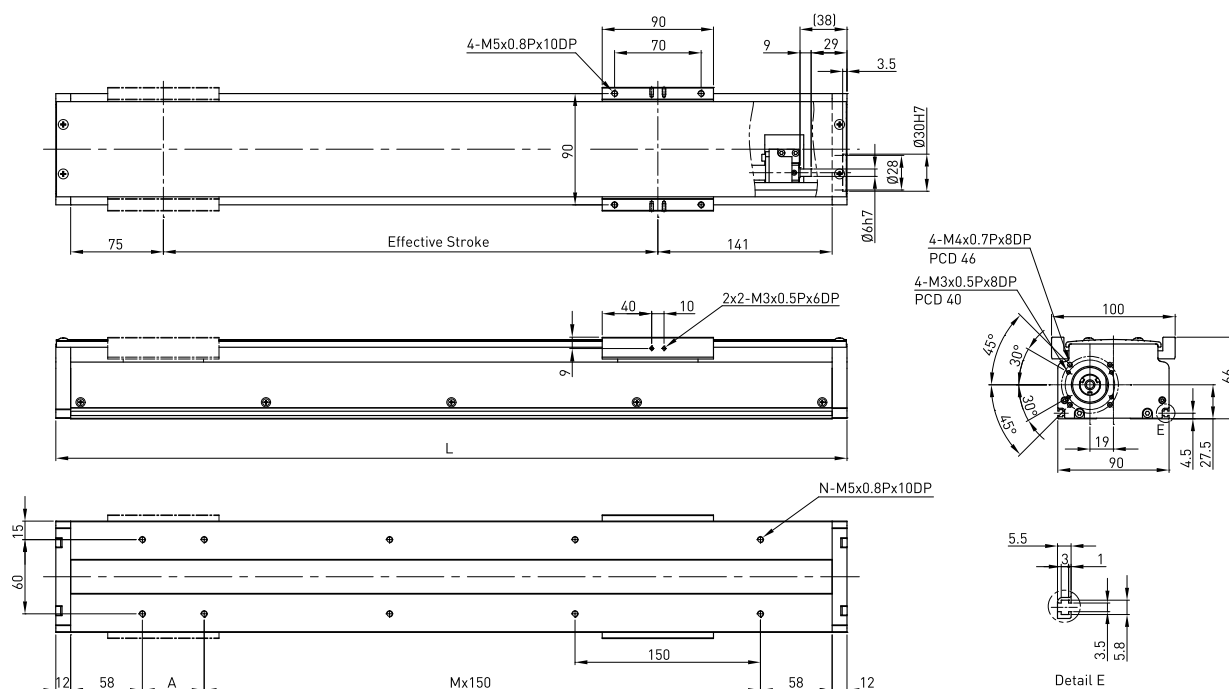
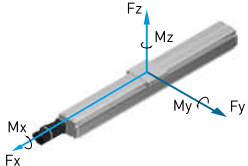


3.8 KA Series

Model Number for KA090

KA090	-10	P	-0600	A	F0	U	S1	M
Model	Lead	Precision Grade	Effective Stroke	Slider Type	Motor Flange	Cover	Limit Switch	Motor
	5 mm 10 mm	C: Normal P: Precision		A: Standard	F0:Direct	U: Without Cover None : Standard Cover	S1: OMRON SX671 S2: OMRON SX674 S3: SUNX GX-F12A S4: SUNX GX-F12A-P None: Without Sensor	M: Supplied With Motor None: Without Motor



Effective stroke (mm)	L	A	M	N	Weight (kg)	AC motor output	W	100	
						Drive		Ballscrew C7(normal)	
50	290	150	0	4	3.38Z	Lead	mm	5	10
100	340	50	1	6	3.78	Rated RPM	RPM	3000	3000
150	390	100	1	6	4.18	Max linear speed*	mm/sec	250	500
200	440	150	1	6	4.58	Rated thrust	N	280	140
250	490	50	2	8	4.98	Repeatability	mm	±0.02	
300	540	100	2	8	5.38	Effective stroke	mm	150~1250	
350	590	150	2	8	5.78	Max load (H)	kg	24	16
400	640	50	3	10	6.18	Rated dynamic load**  Fyd Fzd Mxd Myd Mzd	N	50	50
450	690	100	3	10	6.58		N	240	160
500	740	150	3	10	6.98		N-m	4.5	4.2
550	790	50	4	12	7.38		N-m	2.8	2.7
600	840	100	4	12	7.78		N-m	2.2	2
						Permitted load condition***	$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$ Fy, Fz, Mx, My, Mz are working loads		

* Vibration might occur when the effective stroke is longer than 550mm.

The maximum speed should be decreased by 15% for every 50mm of increased stroke.

** The load condition is based on 10,000km operation.

*** If used on the vertical axis or in a special condition, please contact HIWIN.