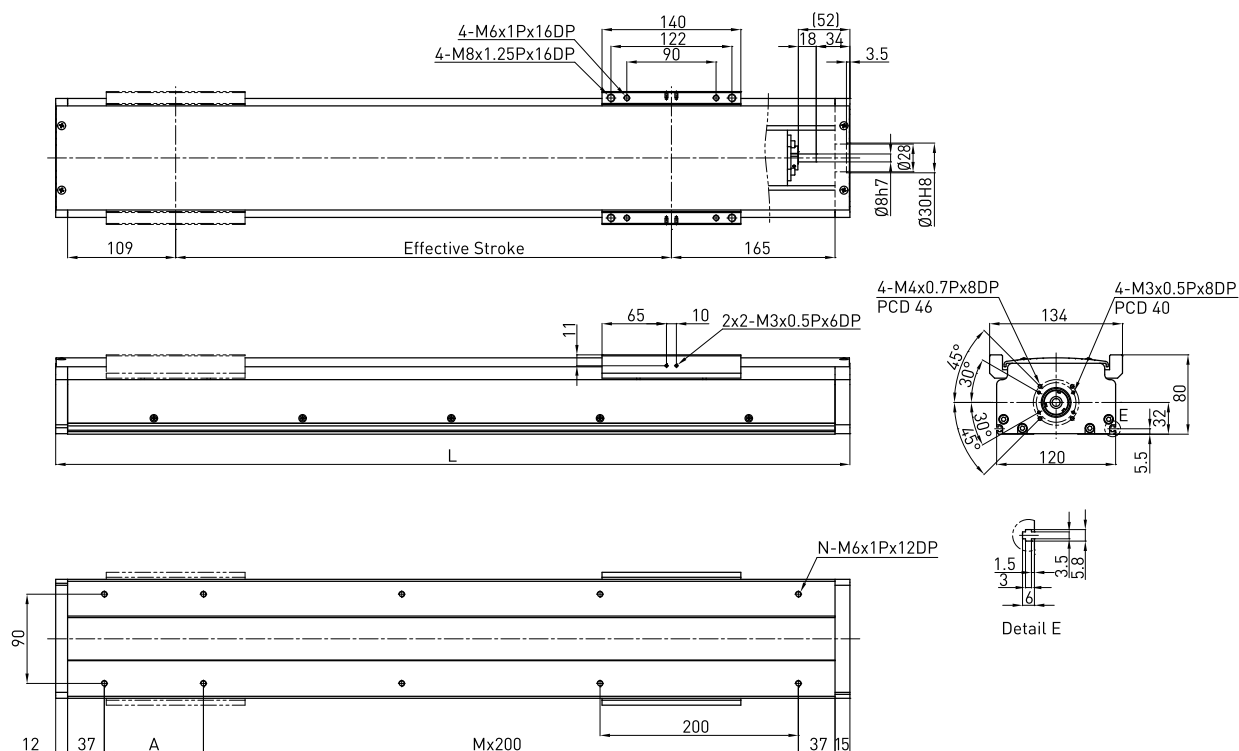
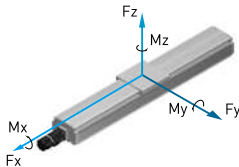


Model Number for KA120

KA120	-20	P	-1050	A	F0	U	S1	M
Model	Lead	Precision Grade	Effective Stroke	Slider Type	Motor Flange	Cover	Limit Switch	Motor
	5 mm 10 mm 20 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		200			
						Drive	W	Ball screw C7(normal)			
100	401	100	1	6	7.5	Lead	mm	5	10	20	
150	451	150	1	6	8.13	Rated RPM	RPM	3000	3000	3000	
200	501	200	1	6	8.76	Max linear speed*	mm/sec	250	500	1000	
250	551	50	2	8	9.39	Rated thrust	N	560	280	140	
300	601	100	2	8	10.02	Repeatability	mm	±0.02			
350	651	150	2	8	10.65	Effective stroke	mm	100~1050			
400	701	200	2	8	11.28	Max load (H)	kg	47	32	16	
450	751	50	3	10	11.91	Rated dynamic load**  Fyd N 50 50 50 Fzd N 470 320 160 Mxd N-m 31 31 31 Myd N-m 23 23 23 Mzd N-m 17 17 17					
500	801	100	3	10	12.54		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				
550	851	150	3	10	13.17						
600	901	200	3	10	13.8						
650	951	50	4	12	14.43						
700	1001	100	4	12	15.06						
750	1051	150	4	12	15.69						
800	1101	200	4	12	16.32						
850	1151	50	5	14	16.95						
900	1201	100	5	14	17.58						
950	1251	150	5	14	18.21	* Vibration might occur when the effective stroke is longer than 700mm.					
1000	1301	200	5	14	18.84	The maximum speed should be decreased by 15% for every 100mm of increased stroke.					
1050	1351	50	6	16	19.47	** The load condition is based on 10,000km operation.					
						*** If used on the vertical axis or in a special condition, please contact HIWIN.					

* Vibration might occur when the effective stroke is longer than 700mm.

The maximum speed should be decreased by 15% for every 100mm 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.