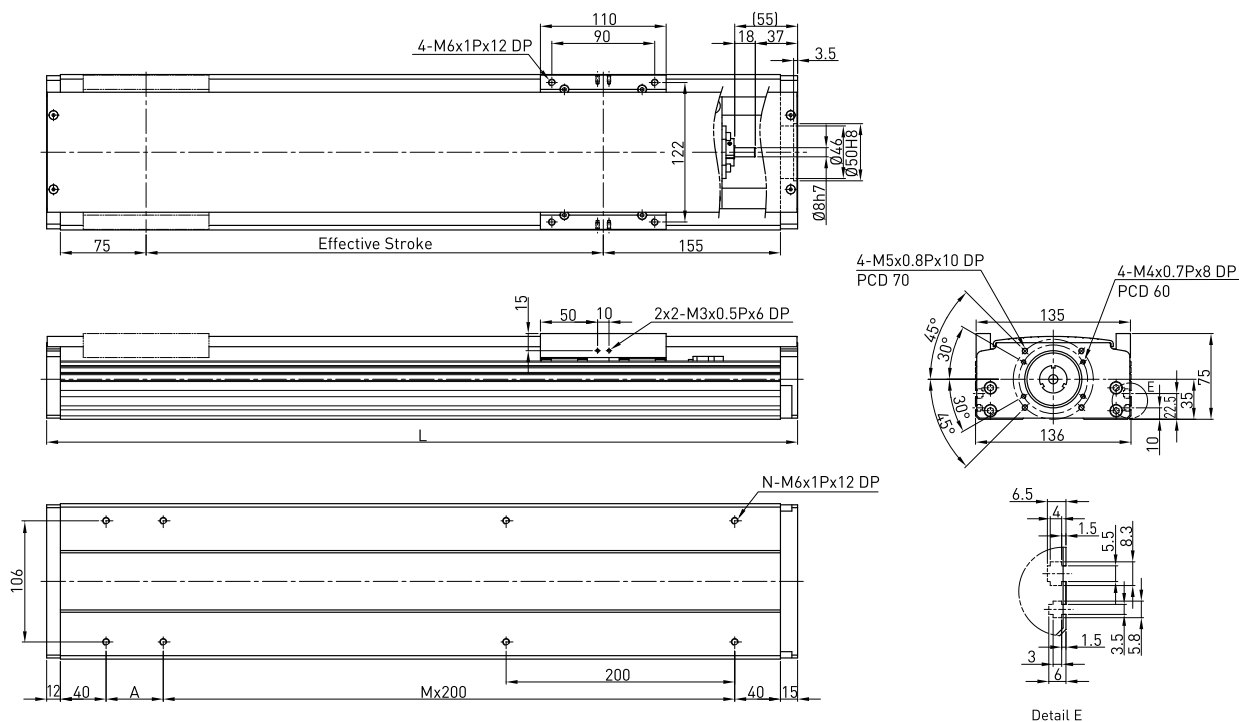
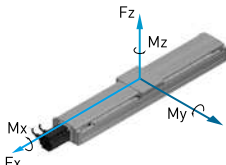


Model Number for KA136

KA136	-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

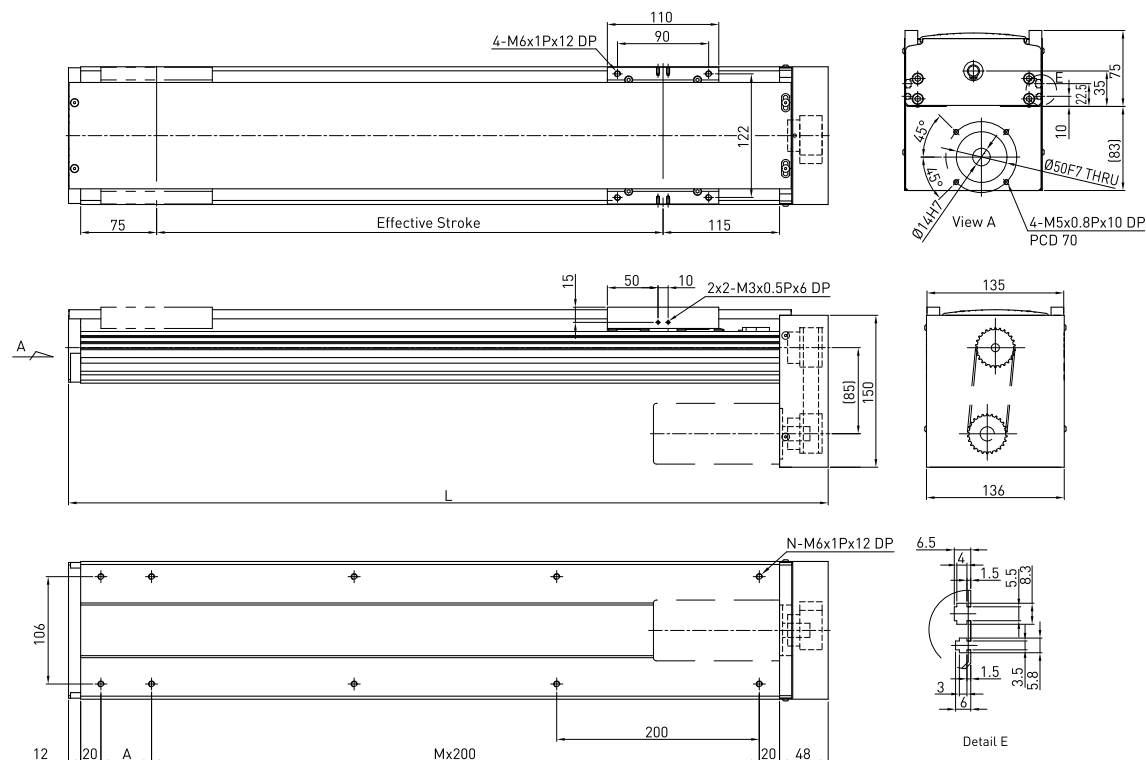


Effective stroke (mm)	L	A	M	N	Weight (kg)	AC motor output	W	200			
						Drive		Ballscrew C7(normal)			
100	357	50	1	6	6.19	Lead	mm	5	10	20	
150	407	100	1	6	6.74	Rated RPM	RPM	3000	3000	3000	
200	457	150	1	6	7.29	Max linear speed*	mm/sec	250	500	1000	
250	507	200	1	6	7.84	Rated thrust	N	560	280	140	
300	557	50	2	8	8.39	Repeatability	mm	±0.02			
350	607	100	2	8	8.94	Effective stroke	mm	100~1050			
400	657	150	2	8	9.49	Max load (H)	kg	95	64	32	
450	707	200	2	8	10.05		Fyd	N	50	50	50
500	757	50	3	10	10.6		Fzd	N	950	640	320
550	807	100	3	10	11.15		Mxd	N-m	20	24	28
600	857	150	3	10	11.7		Myd	N-m	26	30	35
650	907	200	3	10	12.25		Mzd	N-m	8	10	13
700	957	50	4	12	12.8	$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$ Fy, Fz, Mx, My, Mz are working loads					
750	1007	100	4	12	13.35						
800	1057	150	4	12	13.9						
850	1107	200	4	12	14.45						
900	1157	50	5	14	15						
950	1207	100	5	14	15.55	* Vibration might occur when the effective stroke is longer than 700mm.					
1000	1257	150	5	14	16.1	The maximum speed should be decreased by 15% for every 100mm of increased stroke.					
1050	1307	200	5	14	16.65	** The load condition is based on 10,000km operation.					
						*** If used on the vertical axis or in a special condition, please contact UHW/IN.					

* 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.

Model Number for KA136-FD

KA136	-20	P	-1050	A	FD	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	FD: Bottom	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)
100	350	50	1	6	6.31
150	400	100	1	6	6.88
200	450	150	1	6	7.44
250	500	200	1	6	8.01
300	550	50	2	8	8.56
350	600	100	2	8	9.12
400	650	150	2	8	9.68
450	700	200	2	8	10.25
500	750	50	3	10	10.81
550	800	100	3	10	11.37
600	850	150	3	10	11.94
650	900	200	3	10	12.51
700	950	50	4	12	13.06
750	1000	100	4	12	13.62
800	1050	150	4	12	14.18
850	1100	200	4	12	14.74
900	1150	50	5	14	15.3
950	1200	100	5	14	15.86
1000	1250	150	5	14	16.42
1050	1300	200	5	14	16.98

AC motor output	W	200			
Drive		Ballscrew C7(normal)			
Lead	mm	5	10	20	
Rated RPM	RPM	3000	3000	3000	
Max linear speed*	mm/sec	250	500	1000	
Rated thrust	N	560	280	140	
Repeatability	mm	±0.02			
Effective stroke	mm	100~1050			
Max load (H)	kg	95	64	32	
Rated dynamic load**	F _{yd}	N	50	50	50
	F _{zd}	N	950	640	320
	M _{xd}	N-m	20	24	28
	M _{yd}	N-m	26	30	35
	M _{zd}	N-m	8	10	13
Permitted load condition***	$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$ F_y, F_z, M_x, M_y, M_z are working loads				

The diagram illustrates a linear guide assembly with a coordinate system. The vertical axis is labeled F_z. The horizontal axis along the length of the guide is labeled F_x. The axis perpendicular to the page is labeled F_y. Moments are indicated by curved arrows: M_x around the F_x axis, M_y around the F_y axis, and M_z around the F_z axis.

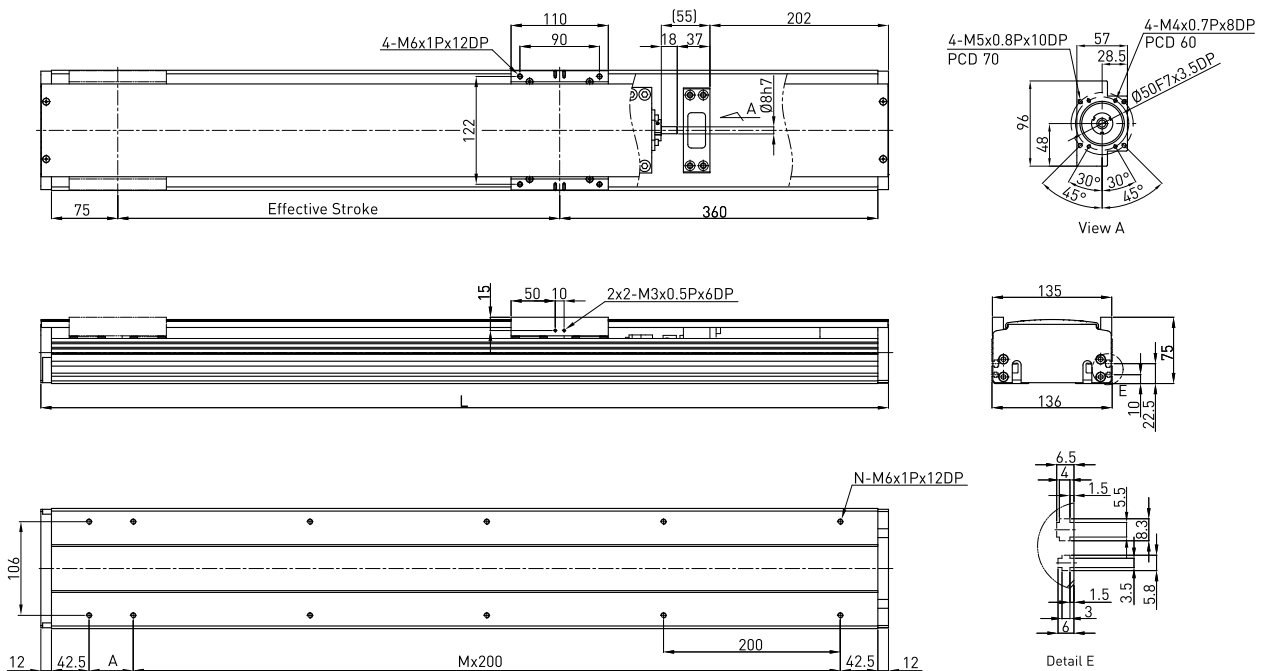
* Vibration might occur when the effective stroke is longer than 700mm.
The maximum speed should be decreased by 15% for every 100mm of increased stroke

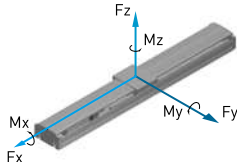
** The load condition is based on 10,000km operation.

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

Model Number for KA136-FI

KA136	-20	P	-1050	A	FI	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	FI : Internal	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	200			
						Drive		Ballscrew C7(normal)			
						Lead	mm	5	10	20	
						Rated RPM	RPM	3000	3000	3000	
						Max linear speed*	mm/sec	250	500	1000	
						Rated thrust	N	560	280	140	
						Repeatability	mm	±0.02			
						Effective stroke	mm	100~1050			
						Max load (H)	kg	95	64	32	
							Fyd	N	50	50	50
					Fzd		N	950	640	320	
					Mxd		N-m	20	24	28	
					Myd		N-m	26	30	35	
					Mzd		N-m	8	10	13	
						$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$ Fy, Fz, Mx, My, Mz are working loads					
					Rated dynamic load**						
					Permitted load condition***						
100	559	50	2	8	6.62						
150	609	100	2	8	7.21						
200	659	150	2	8	7.8						
250	709	200	2	8	8.39						
300	759	50	3	10	8.98						
350	809	100	3	10	9.57						
400	859	150	3	10	10.15						
450	909	200	3	10	10.75						
500	959	50	4	12	11.34						
550	1009	100	4	12	11.93						
600	1059	150	4	12	12.52						
650	1109	200	4	12	13.11						
700	1159	50	5	14	13.71						
750	1209	100	5	14	14.29						
800	1259	150	5	14	14.87						
850	1309	200	5	14	15.46						
900	1359	50	6	16	16.05						
950	1409	100	6	16	16.64						
1000	1459	150	6	16	17.23						
1050	1509	200	6	16	17.82						

* 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

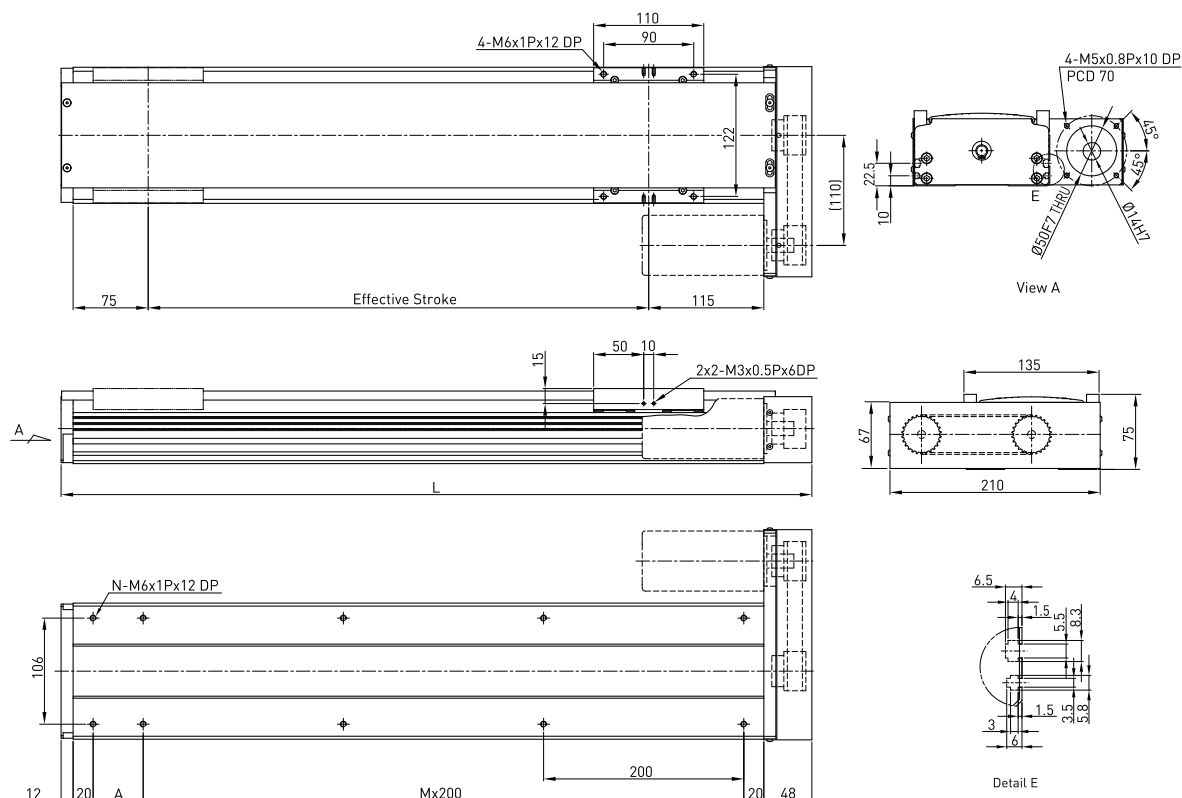
** The load condition is based on 10,000km operation.

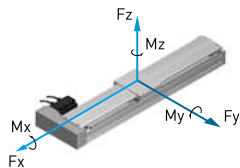
*** If used on the vertical axis or in a special condition, please contact LUWIN

* 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.

Model Number for KA136-FL

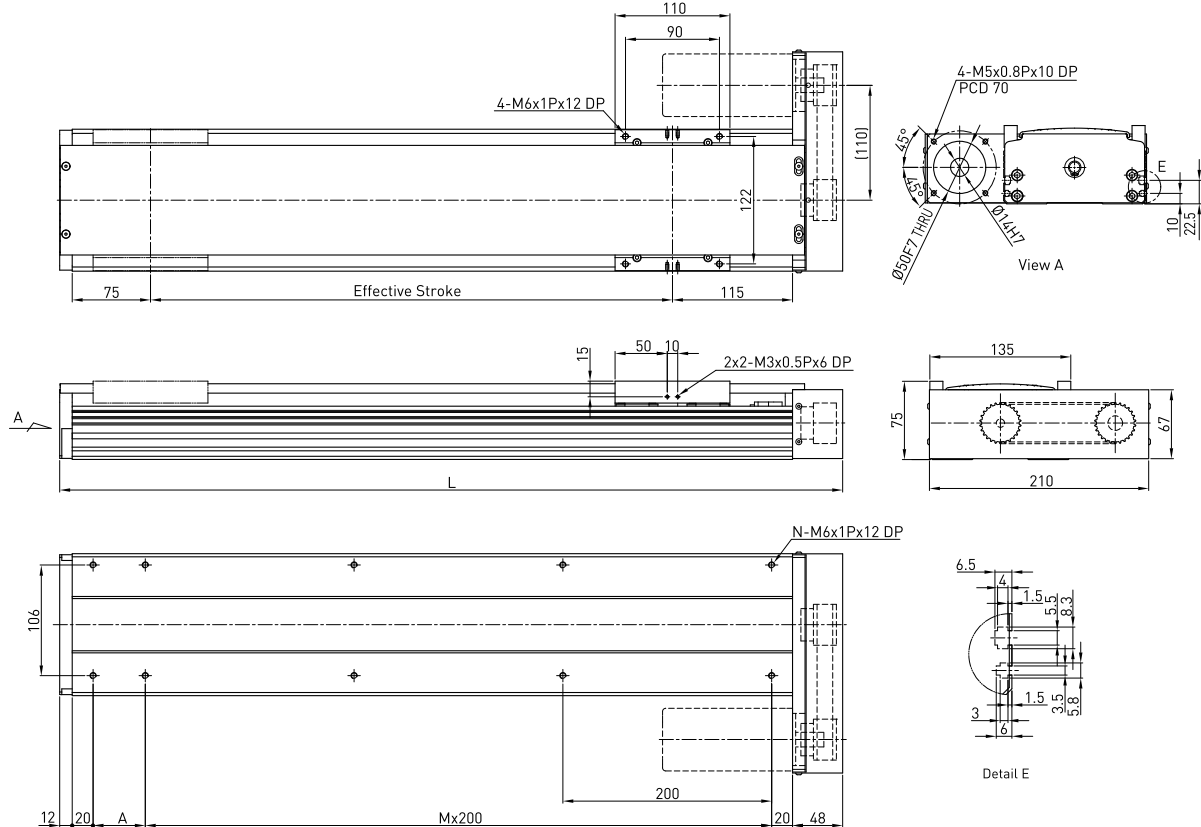
KA136	-20	P	-1050	A	FL	U	S1	M
Model	Lead	Precision Grade	Effective Stroke	Slider Type	Motor Flange	Cover	Limit Switch	Motor
	5 mm 10 mm 20 mm	C: Normal P: Precision		A: Standard	FL: Left	U: Without Cover None : Standard Cover	S1: OMRON SX671 S2: OMRON SX674 S3: SUNX GX-F12A S4: SUNX GX-F12A-P None: Without Sensor	M: Supplied With Motor None: Without Motor

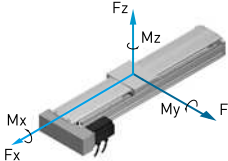


Effective stroke (mm)	L	A	M	N	Weight (kg)	AC motor output	W	200			
						Drive		Ball screw C7(normal)			
100	350	50	1	6	6.31	Lead	mm	5	10	20	
150	400	100	1	6	6.88	Rated RPM	RPM	3000	3000	3000	
200	450	150	1	6	7.44	Max linear speed*	mm/sec	250	500	1000	
250	500	200	1	6	8.01	Rated thrust	N	560	280	140	
300	550	50	2	8	8.56	Repeatability	mm	±0.02			
350	600	100	2	8	9.12	Effective stroke	mm	100~1050			
400	650	150	2	8	9.68	Max load (H)	kg	95	64	32	
450	700	200	2	8	10.25	Rated dynamic load** 	Fyd	N	50	50	50
500	750	50	3	10	10.81		Fzd	N	950	640	320
550	800	100	3	10	11.37		Mxd	N-m	20	24	28
600	850	150	3	10	11.94		Myd	N-m	26	30	35
650	900	200	3	10	12.51		Mzd	N-m	8	10	13
700	950	50	4	12	13.06						
750	1000	100	4	12	13.62	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					
800	1050	150	4	12	14.18						
850	1100	200	4	12	14.74						
900	1150	50	5	14	15.3						
950	1200	100	5	14	15.86						
1000	1250	150	5	14	16.42	* 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.					
1050	1300	200	5	14	16.98	** The load condition is based on 10,000km operation. *** If used on the vertical axis or in a special condition, please contact HIWIN.					

Model Number for KA136-FR

KA136	-20	P	-1050	A	FR	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	FR: Right	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	200				
						Drive		Ballscrew C7(normal)				
100	350	50	1	6	6.31	Lead	mm	5	10	20		
150	400	100	1	6	6.88	Rated RPM	RPM	3000	3000	3000		
200	450	150	1	6	7.44	Max linear speed*	mm/sec	250	500	1000		
250	500	200	1	6	8.01	Rated thrust	N	560	280	140		
300	550	50	2	8	8.56	Repeatability	mm	±0.02				
350	600	100	2	8	9.12	Effective stroke	mm	100~1050				
400	650	150	2	8	9.68	Max load (H)	kg	95	64	32		
450	700	200	2	8	10.25	Rated dynamic load**		Fyd	N	50	50	50
500	750	50	3	10	10.81			Fzd	N	950	640	320
550	800	100	3	10	11.37			Mxd	N-m	20	24	28
600	850	150	3	10	11.94			Myd	N-m	26	30	35
650	900	200	3	10	12.51			Mzd	N-m	8	10	13
700	950	50	4	12	13.06	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					
750	1000	100	4	12	13.62							
800	1050	150	4	12	14.18							
850	1100	200	4	12	14.74							
900	1150	50	5	14	15.3							
950	1200	100	5	14	15.86							
1000	1250	150	5	14	16.42							
1050	1300	200	5	14	16.98							

* 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

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

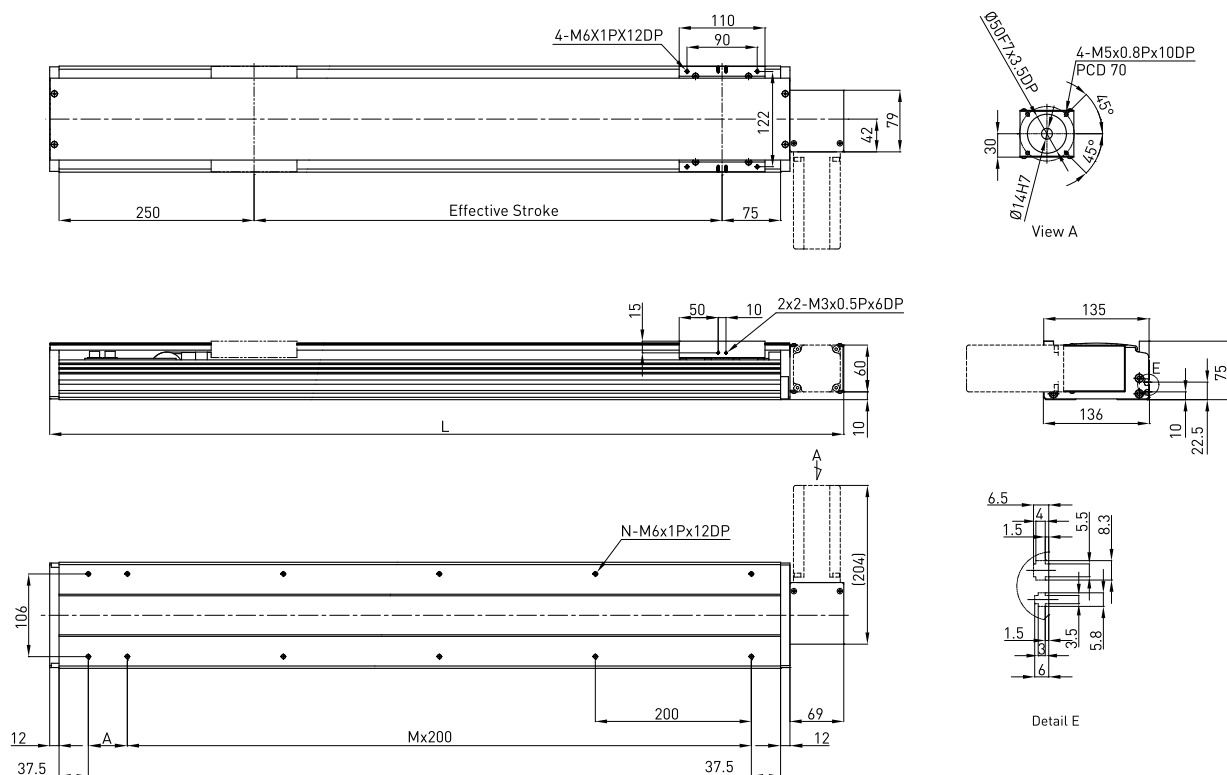
The maximum speed should be decreased by 15% for every 100mm of increased stroke.

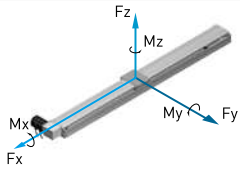
** The load condition is based on 10,000km operation.

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

Model Number for KA136B-FL

KA136	B	-120	C	-3000	A	FL	U	S1	M
Model	Timing Belt	Pulley Perimeter	Precision Grade	Effective Stroke	Slider Type	Motor Flange	Cover	Limit Switch	Motor
			C: Normal		A: Standard	FL: Left	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 Drive	W	200	
200	618	50	2	8	6.97	Pulley Perimeter	mm	120	
400	818	50	3	10	8.93	Pulley RPM	RPM	900	
600	1018	50	4	12	11.01	Max linear speed	mm/sec	1800	
800	1218	50	5	14	12.97	Rated thrust	N	67	
1000	1418	50	6	16	14.93	Repeatability	mm	±0.1	
1200	1618	50	7	18	16.99	Effective stroke	mm	200~3000	
1400	1818	50	8	20	18.95	Max load (H)	kg	15	
1600	2018	50	9	22	21.01	Rated dynamic load* 	Fyd	N	50
1800	2218	50	10	24	22.97		Fzd	N	150
2000	2418	50	11	26	24.93		Mxd	N-m	42
2200	2618	50	12	28	26.99		Myd	N-m	31
2400	2818	50	13	30	28.95		Mzd	N-m	13
2600	3018	50	14	32	31.01	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			
2800	3218	50	15	34	32.97				
3000	3418	50	16	36	34.93				

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

**For horizontal application only. If used in special condition, please contact HIWIN.

