HIWIN®
Motion Control and System Technology

Single Axis Robot

All New KC Series

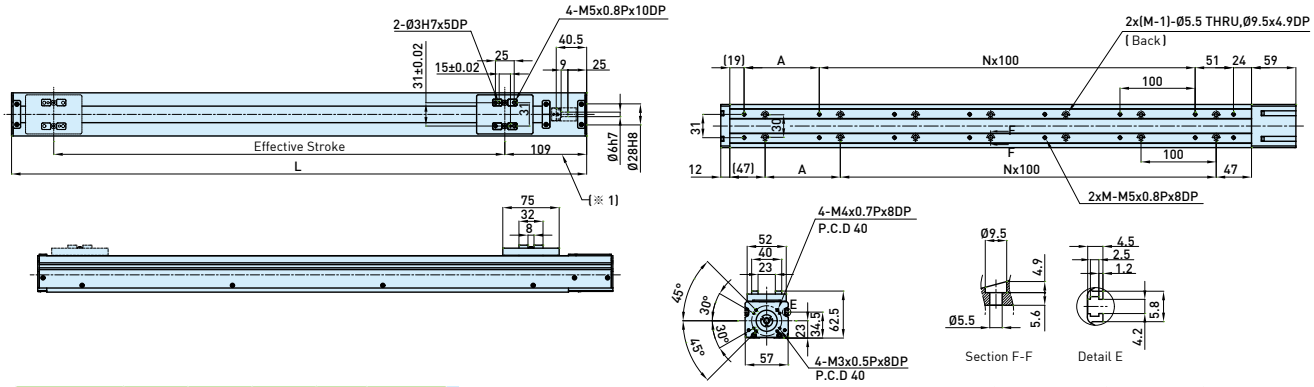
Features

- Lightweight with composite material base
- Integration with ballscrew and guideway
- Dust-proof
- High stiffness
- Can assemble with motor

Applications

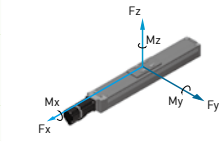
- High Precision Industry
- FPD Industry
- Medical applications
- Automatic feeding system
- Automatic testing equipment
- Automatic assembly equipment

KC060	-10	P	-600	A	F0	S1	M
Model	Lead	Accuracy Grade	Effective Stroke	Load Type	Motor Flange	Limit Switch	Motor
	5 mm 10 mm	C: Normal P: Precision		A: Standard	F0 FE:Special Order	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)
50	215	50	3	0	1.4
100	265	100	3	0	1.5
150	315	50	4	1	1.7
200	365	100	4	1	1.8
250	415	50	5	2	2
300	465	100	5	2	2.1
350	515	50	6	3	2.3
400	565	100	6	3	2.4
450	615	50	7	4	2.6
500	665	100	7	4	2.7
550	715	50	8	5	2.9
600	765	100	8	5	3

*1 Stroke end
*2 The load capacity is calculated by the rated acceleration 0.3G(2.9 m/s²)
*3 If used on the vertical axis or other special condition, please contact HIWIN

AC motor output			W	50	
Drive				Ballscrew C7	
Lead			mm	5	10
Rated RPM			mm/sec	250	500
Max linear speed			RPM	3000	3000
Rated thrust			N	140	70
Repeatability			mm	±0.02	
Effective Stroke			mm	50~600	
Max load (H)			kg	12	6
Max load (V)			kg	3	1.5
Rated dynamic load *2		Cd	N	117	
		Mxd	N-m	17.9	
		Myd	N-m	7.9	
		Mzd	N-m	12.8	
Permitted load condition *3	$\frac{C}{Cd}+\frac{Mx}{Mxd}+\frac{My}{Myd}+\frac{Mz}{Mzd}\leq 1$ C, Mx, My, Mz are working loads				

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