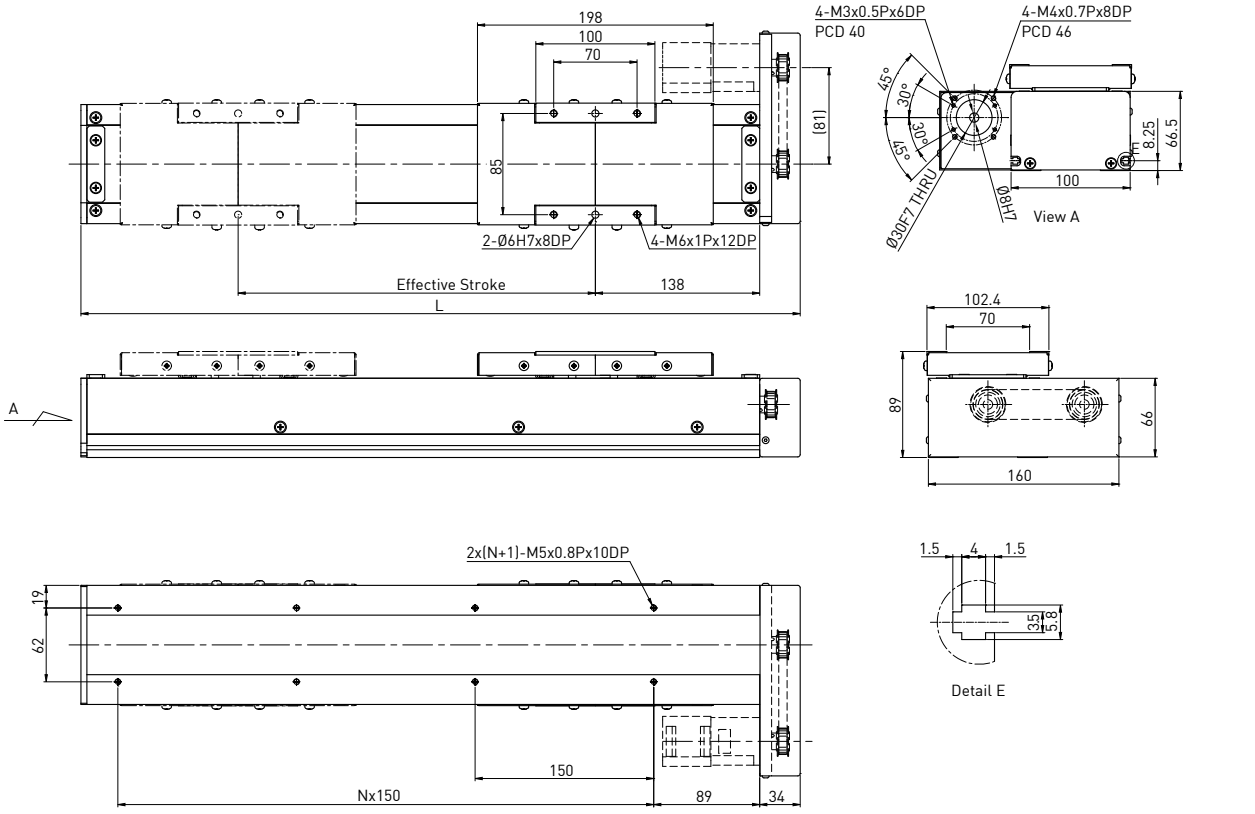
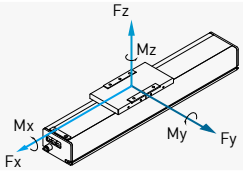
4.3.3 Model Number for KS100-FR

KS100	-20	P	-800	A	FR	U	S1	M	V
Model	Lead	Precision Grade	Effective Stroke	Slider Type	Motor Flange	Cover	Limit Switch	Motor	Installation
	10mm 20mm	P: Precision C: Normal		A: Standard	FR: Right	U: Without Cover None: Standard Cover	S1: OMRON SX671 None: Without Sensor	M: Supplied With Motor None: Without Motor	V: Vertical Install None: Horizontal Install



Effective stroke (mm)	L	N	Weight (kg)
200	504	2	6.0
300	604	3	6.9
400	704	3	7.8
500	804	4	8.7
600	904	5	9.6
700	1004	5	10.5
800	1104	6	11.4

AC motor output			W	100	
Ballscrew / Drive				Φ 15C7/ MGW 15H	
Lead			mm	10	20
Max linear speed*			mm/sec	525	1050
Max RPM			RPM	3150	3150
Rated thrust			N	178	89
Repeatability			mm	±0.02	
Effective stroke			mm	200~800	
Rated dynamic load**		Fyd	N	175	
		Fzd	N	778	
		Mxd	N-m	16.8	
		Myd	N-m	6.9	
		Mzd	N-m	6.9	
Permitted load condition***	$\frac{Fy}{Fyd}+\frac{Fz}{Fzd}+\frac{Mx}{Mxd}+\frac{My}{Myd}+\frac{Mz}{Mzd}\leq 1$ Fy, Fz, Mx, My, Mz are working loads				

* 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.