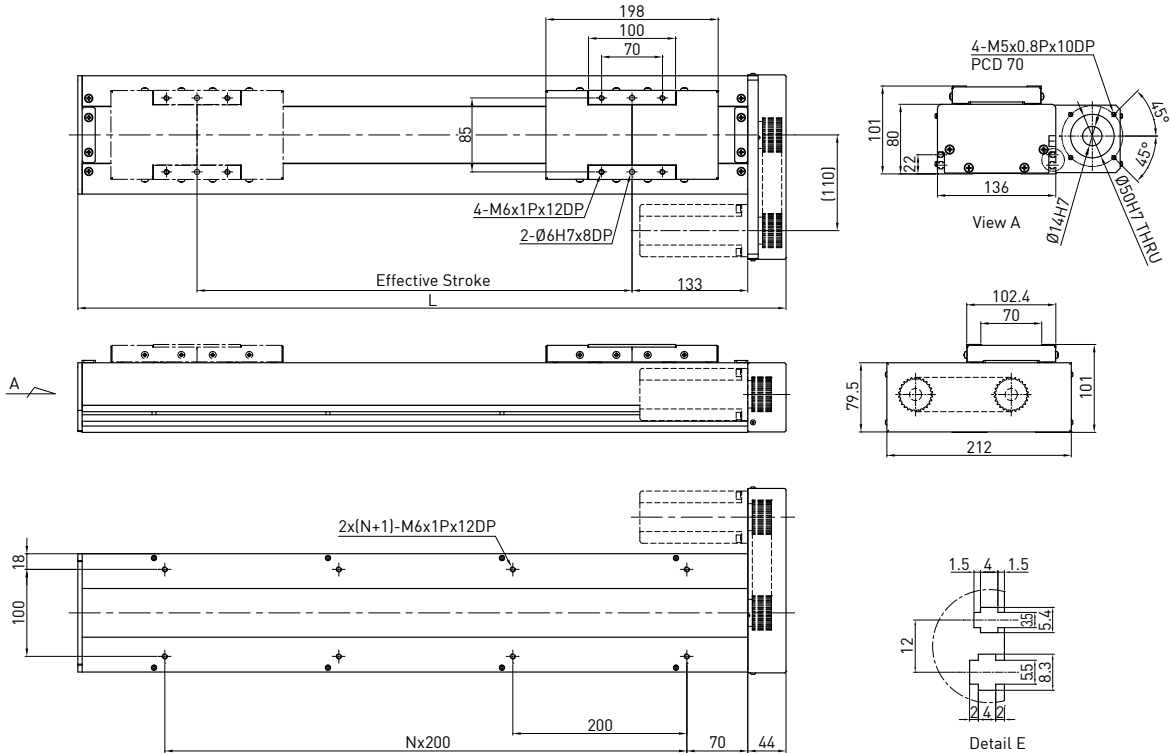


4.3.7 Model Number for KS140-FL

KS140	-20	P	-1100	A	FL	U	S1	M	V
Model	Lead	Precision Grade	Effective Stroke	Slider Type	Motor Flange	Cover	Limit Switch	Motor	Installation
	10mm	P:		A:	FL: Left	U:	S1:	M: Supplied	V:
	20mm	Precision		Standard		Without Cover	OMRON SX671	With Motor	Vertical Install
		C:				None:	None:	None:	None:
		Normal				Standard Cover	Without Sensor	Without Motor	Horizontal Install



Effective stroke (mm)	L	N	Weight (kg)	AC motor output	W	200	
				Ballscrew / Drive		Φ 20C7/ HGH15CA	
200	514	1	11.5	Lead	mm	10	20
300	614	2	13.0	Max linear speed*	mm/sec	525	1050
400	714	2	14.5	Max RPM	RPM	3150	3150
500	814	3	16.0	Rated thrust	N	357	178
600	914	3	17.5	Repeatability	mm	±0.02	
700	1014	4	19.0	Effective stroke	mm	200~1100	
800	1114	4	20.5	Rated dynamic load**	F _{yd}	N	1709
900	1214	5	22.0		F _{zd}	N	3892
1000	1314	5	23.5		M _{xd}	N-m	171.2
1100	1414	6	25.0		My _d	N-m	132.3
					M _{zd}	N-m	132.3
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			

* 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.