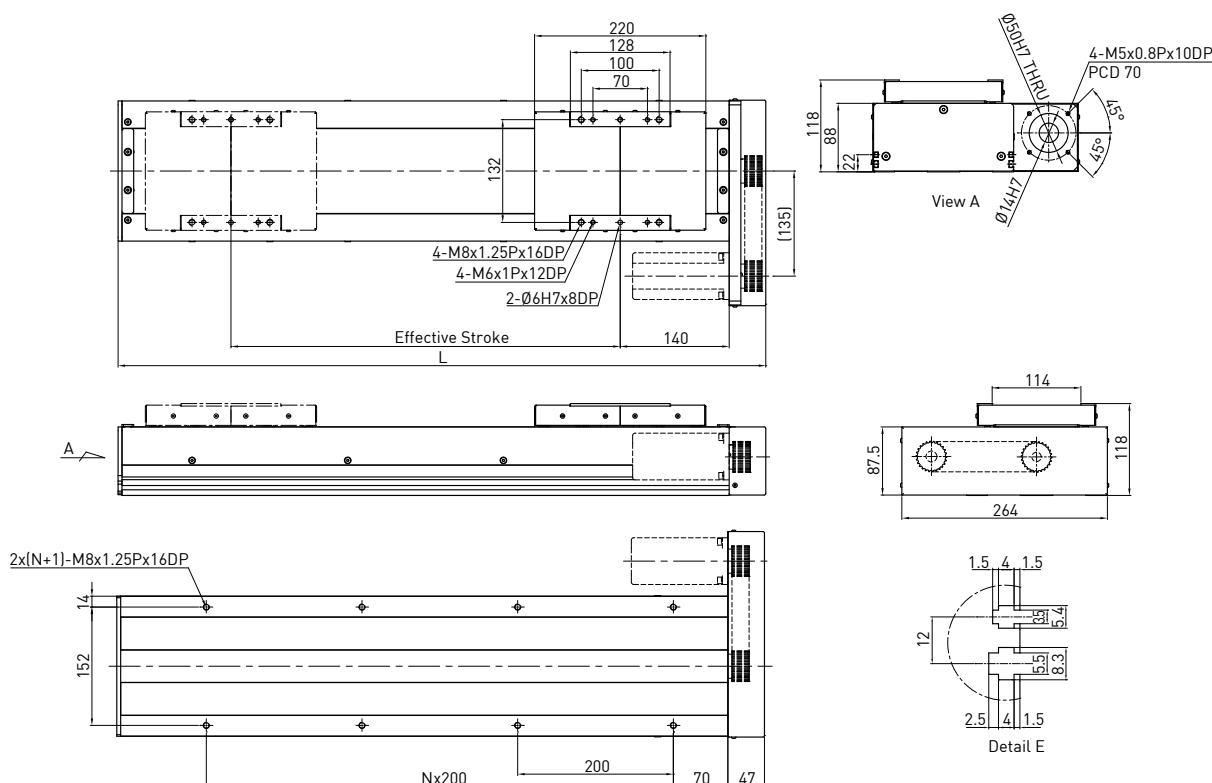


4.3.12 Model Number for KS180-FL

KS180	-20	P	-1200	A	FL	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	FL: Left	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)	AC motor output Ball screw / Drive	W	400
200	532	1	11.3	Lead	mm	10 20
300	632	2	12.3	Max linear speed*	mm/sec	400 800
400	732	2	13.3	Max RPM	RPM	2400 2400
500	832	3	14.3	Rated thrust	N	936 468
600	932	3	15.3	Repeatability	mm	±0.02
700	1032	4	16.3	Effective stroke	mm	200~1200
800	1132	4	17.3	Rated dynamic load**	F _{yd}	N 1647
900	1232	5	18.3		F _{zd}	N 3892
1000	1332	5	19.3		M _{xd}	N-m 227.7
1100	1432	6	20.3		M _{yd}	N-m 132.3
1200	1532	6	21.3		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.