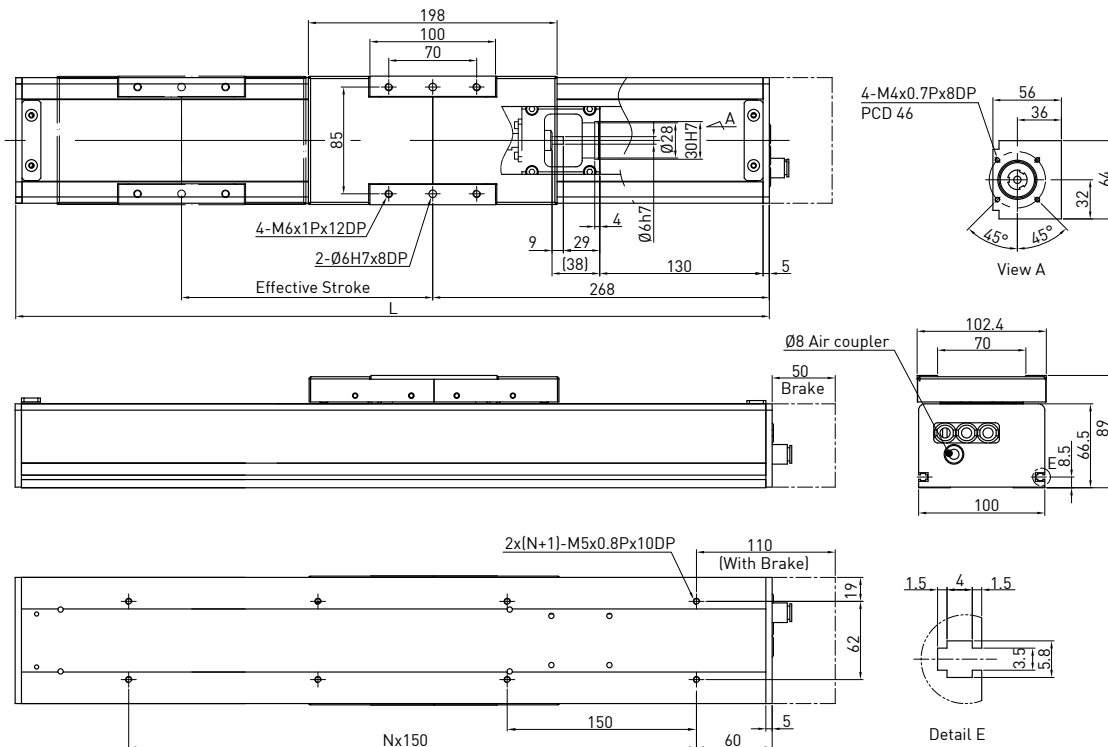


4.3 KS Series

4.3.1 Model Number for KS100-FI

KS100	-20	P	-800	A	FI	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	FI: Internal	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 Ballscrew / Drive	W	100	
200	600	3	9.1	Lead	mm	10 20	
300	700	4	9.8	Max linear speed*	mm/sec	525 1050	
400	800	4	10.5	Max RPM	RPM	3150 3150	
500	900	5	11.2	Rated thrust	N	178 89	
600	1000	6	11.9	Repeatability	mm	±0.02	
700	1100	6	12.6	Effective stroke	mm	200-800	
800	1200	7	13.3		Fyd	N	175
					Fzd	N	778
					Mxd	N-m	16.8
					Myd	N-m	6.9
					Mzd	N-m	6.9
				Permitted load condition***	$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$ Fy, Fz, Mx, My, Mz are working loads		

* 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.