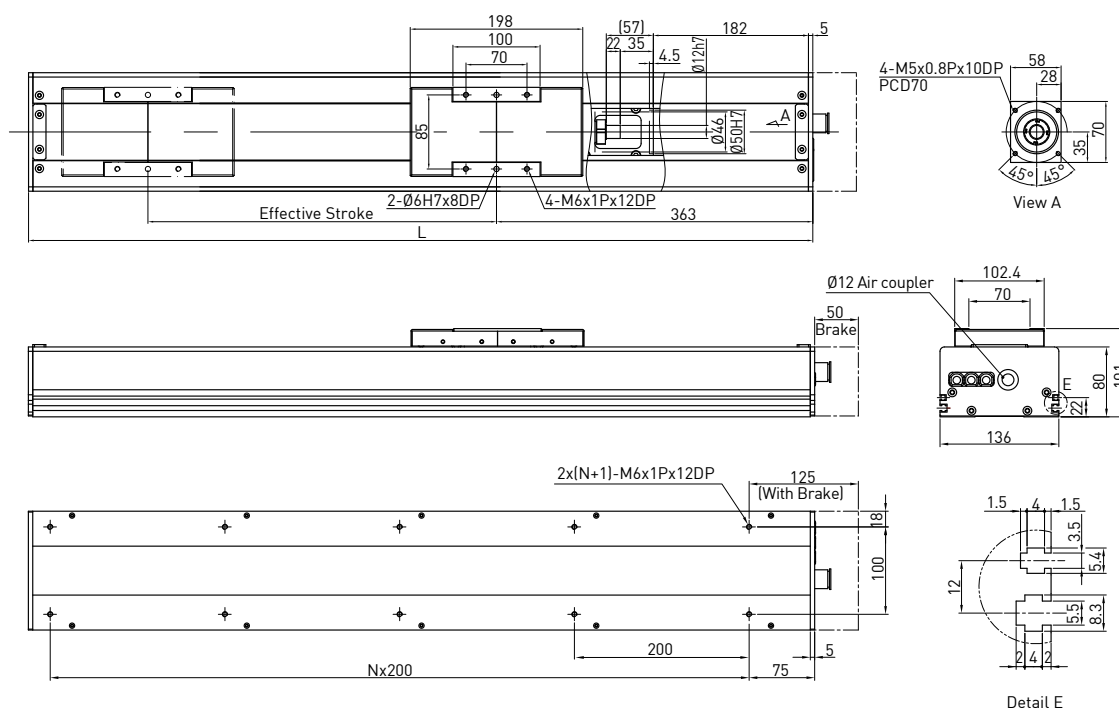


4.3.6 Model Number for KS140-FI

KS140	-20	P	-1100	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 Ball screw / Drive	W	200	
200	700	3	13.5	Lead	mm	10 20	
300	800	3	14.7	Max linear speed*	mm/sec	525 1050	
400	900	4	15.9	Max RPM	RPM	3150 3150	
500	1000	4	17.1	Rated thrust	N	357 178	
600	1100	5	18.3	Repeatability	mm	±0.02	
700	1200	5	19.5	Effective stroke	mm	200-1100	
800	1300	6	20.7		F _{yd}	N	1709
900	1400	6	21.9		F _{zd}	N	3892
1000	1500	7	23.2		M _{xd}	N-m	171.2
1100	1600	7	24.4		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.