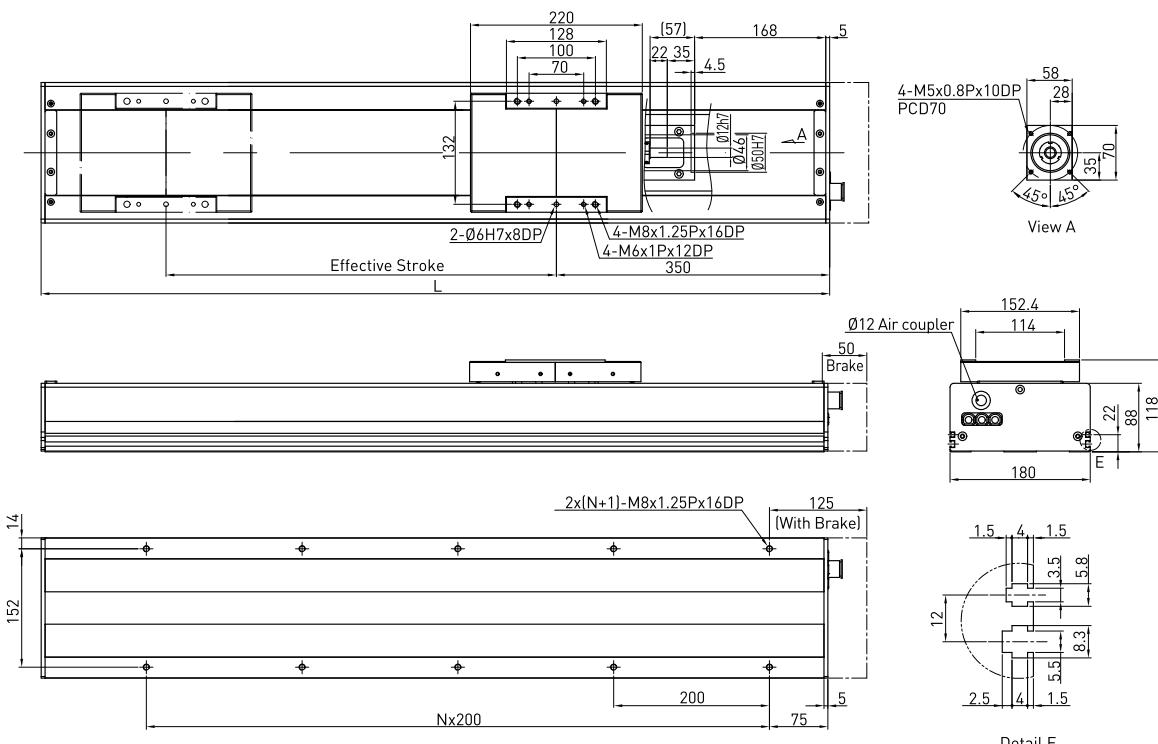


Model Number for KS180 -FI

KS180	-20	P	-1200	A	FI	S2	M
Model	Lead	Precision Grade	Effective Stroke	Slider Type	Motor Flange	Limit Switch	Motor
	10mm 20mm	P: Precision C: Normal		A: Standard	FI: Internal	S2: OMRON SX674 None: Without Sensor	M: Supplied With Motor None: Without Motor



Effective stroke (mm)	L	N	Weight (kg)	AC motor output			W	400	
				Drive	Lead	Ballscrew C7(normal)			
200	710	3	16.5	Rated RPM			mm	10	20
300	810	3	18.1	Max linear speed*			RPM	3000	3000
400	910	4	19.7	Rated thrust			mm/sec	500	1000
500	1010	4	21.3	Repeatability			N	560	280
600	1110	5	22.9	Effective stroke			mm	±0.02	
700	1210	5	24.4	Max load (H)			mm	150~1250	
800	1310	6	26	Rated dynamic load**			kg	95	46
900	1410	6	27.6		Fy	N		50	50
1000	1510	7	29.2		Fzd	N		950	460
1100	1610	7	30.8		Mxd	N-m		70	80
1200	1710	8	32.3		Myd	N-m		80	90
					Mzd	N-m		22	23
				Permitted load condition***			$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zdd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$		
				Fy, Fz, Mx, My, Mz are working loads					

* Vibration might occur when the effective stroke is longer than 700mm.

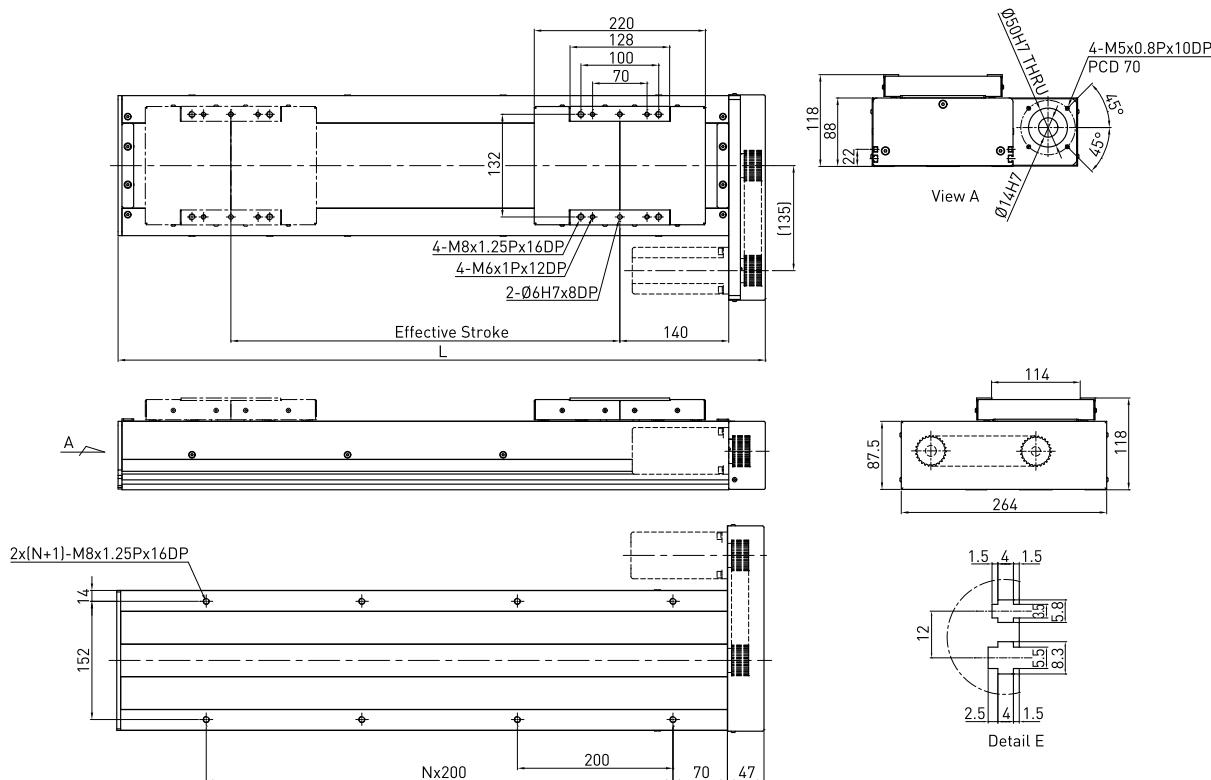
The maximum speed should be decreased by 15% for every 100mm of increased stroke.

** The load condition is based on 10,000km operation.

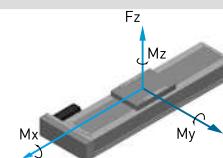
*** If used on the vertical axis or in a special condition, please contact HIWIN.

Model Number for KS180-FL

KS180	-20	P	-1200	A	FL	S2	M
Model	Lead	Precision Grade	Effective Stroke	Slider Type	Motor Flange	Limit Switch	Motor
	10mm 20mm	P: Precision C: Normal		A: Standard	FL: Left	S2: OMRON SX674 None: Without Sensor	M: Supplied With Motor None: Without Motor



Effective stroke (mm)	L	N	Weight (kg)	AC motor output			W	400	
				Drive	Lead	Rated RPM		mm	10 20
200	532	1	11.3	Max linear speed*			mm/sec	500	1000
300	632	2	12.3	Rated thrust			N	560	280
400	732	2	13.3	Repeatability			mm	±0.02	
500	832	3	14.3	Effective stroke			mm	150~1250	
600	932	3	15.3	Max load (H)			kg	95	46
700	1032	4	16.3	Rated dynamic load**			Fyd	N	50 50
800	1132	4	17.3				Fzd	N	950 460
900	1232	5	18.3				Mxd	N-m	70 80
1000	1332	5	19.3				Myd	N-m	80 90
1100	1432	6	20.3				Mzd	N-m	22 23
1200	1532	6	21.3	Permitted load condition***		$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$			


 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.

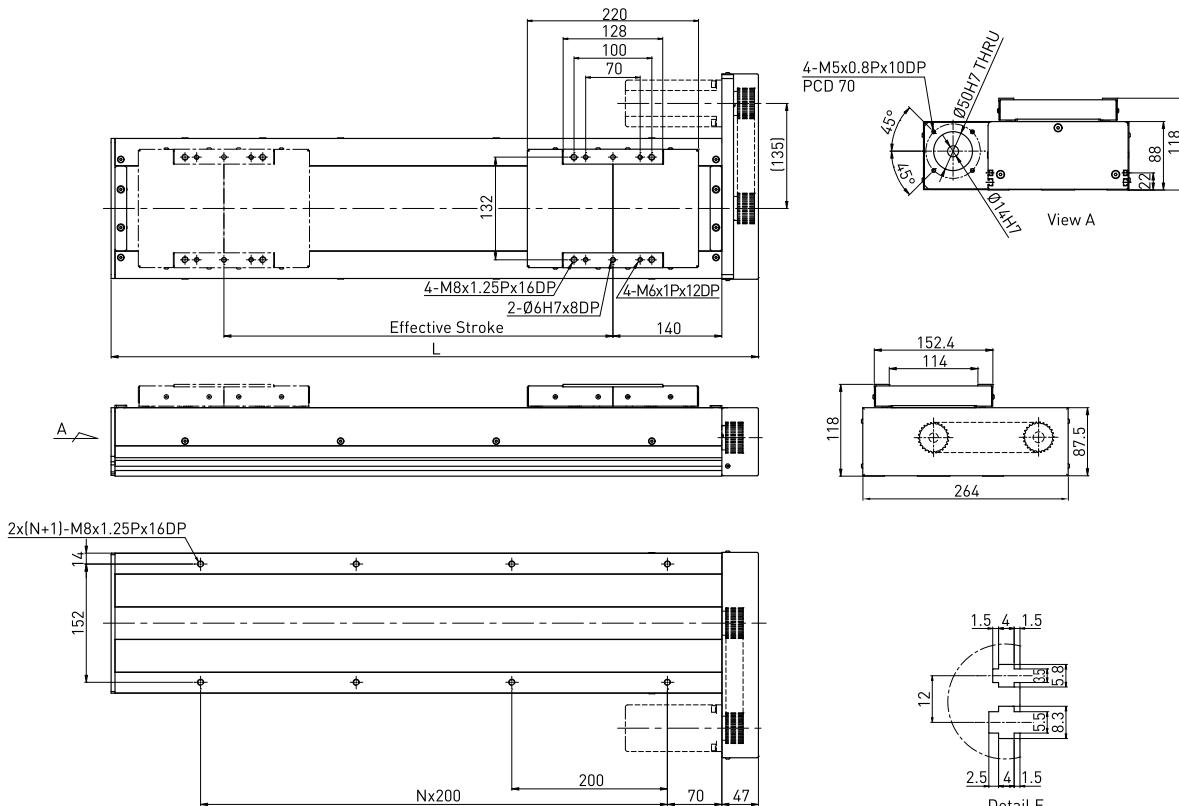
The maximum speed should be decreased by 15% for every 100mm of increased stroke.

** The load condition is based on 10,000km operation.

*** If used on the vertical axis or in a special condition, please contact HIWIN.

Model Number for KS180-FR

KS180	-20	P	-1200	A	FR	S2	M
Model	Lead	Precision Grade	Effective Stroke	Slider Type	Motor Flange	Limit Switch	Motor
	10mm 20mm	P: Precision C: Normal		A: Standard	FR: Right	S2: OMRON SX674 None: Without Sensor	M: Supplied With Motor None: Without Motor



Effective stroke (mm)	L	N	Weight (kg)	AC motor output		W	400	
				Drive	Ball screw C7(normal)		RPM	3000
200	532	1	11.3	Lead	mm	10	20	
300	632	2	12.3	Rated RPM	RPM	3000	3000	
400	732	2	13.3	Max linear speed*	mm/sec	500	1000	
500	832	3	14.3	Rated thrust	N	560	280	
600	932	3	15.3	Repeatability	mm	±0.02		
700	1032	4	16.3	Effective stroke	mm	150~1250		
800	1132	4	17.3	Max load (H)	kg	95	46	
900	1232	5	18.3	Rated dynamic load**	Fyd	N	50	50
1000	1332	5	19.3		Fzd	N	950	460
1100	1432	6	20.3		Mxd	N-m	70	80
1200	1532	6	21.3		Myd	N-m	80	90
					Mzd	N-m	22	23
Permitted load condition***				$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$ <p>Fy, Fz, Mx, My, Mz are working loads</p>				

* Vibration might occur when the effective stroke is longer than 700mm.

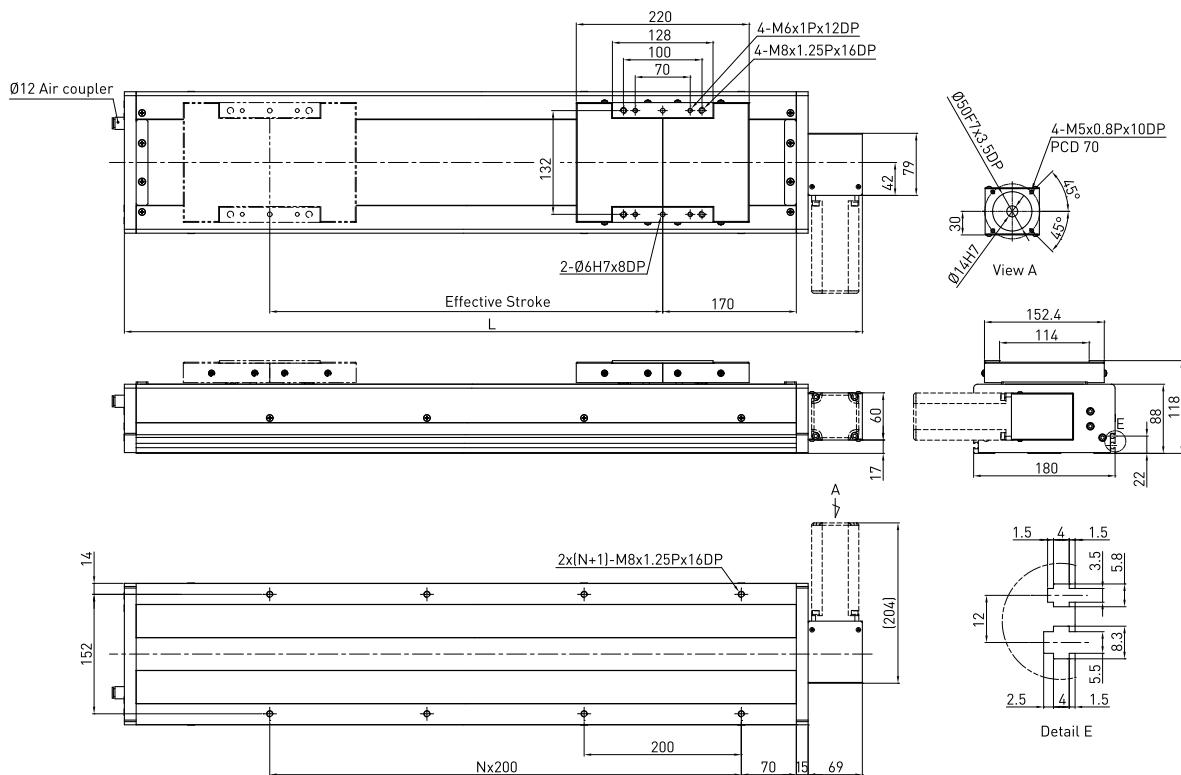
The maximum speed should be decreased by 15% for every 100mm of increased stroke.

** The load condition is based on 10,000km operation.

*** If used on the vertical axis or in a special condition, please contact HIWIN.

Model Number for KS180B-FL

KS180	B	-120	C	-3000	A	FL	S2	M
Model	Timing Belt	Pulley Perimeter	Precision Grade	Effective Stroke	Slider Type	Motor Flange	Limit Switch	Motor
			C: Normal		A: Standard	FL: Left	S2: OMRON SX674 None: Without Sensor	M: Supplied With Motor None: Without Motor



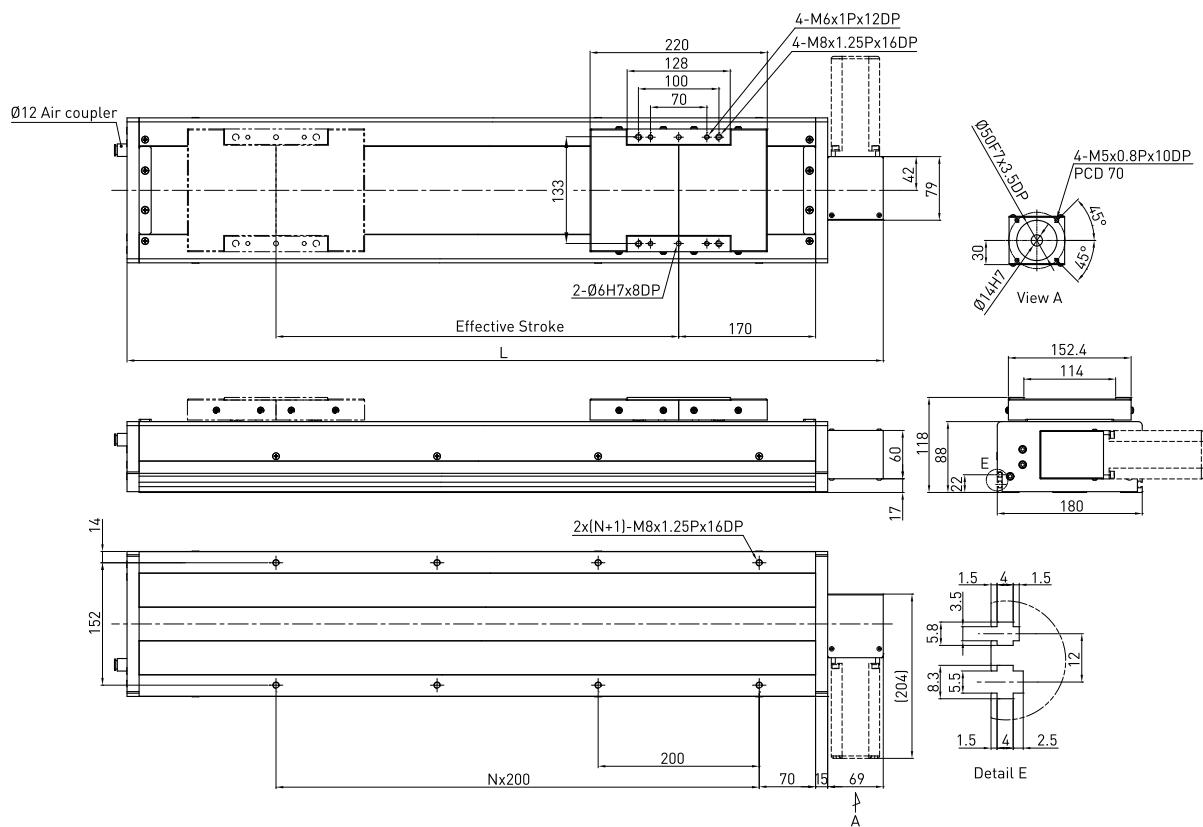
Effective stroke (mm)	L	N	Weight (kg)	AC motor output		W	400			
				Drive	Timing Belt					
200	639	2	14.2	Pulley Perimeter		mm	120			
400	839	3	17.0	Pulley RPM		RPM	900			
600	1039	4	19.8	Max linear speed		mm/sec	1800			
800	1239	5	22.6	Rated thrust		N	133			
1000	1439	6	25.4	Repeatability		mm	±0.1			
1200	1639	7	28.2	Effective stroke		mm	200~3000			
1400	1839	8	31.0	Max load (H)		kg	30			
1600	2039	9	33.8	Rated dynamic load*	Fyd	N	50			
1800	2239	10	36.6		Fzd	N	300			
2000	2439	11	39.4		Mxd	N-m	82			
2200	2639	12	42.2		Myd	N-m	92			
2400	2839	13	45.0		Mzd	N-m	23			
2600	3039	14	47.8		$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$					
2800	3239	15	50.6	Fy, Fz, Mx, My, Mz are working loads						
3000	3439	16	53.4							

*The load condition is based on 10,000km operation.

**For horizontal application only. If used in special condition, please contact HIWIN.

Model Number for KS180B-FR

KS180	B	-120	C	-3000	A	FR	S2	M
Model	Timing Belt	Pulley Perimeter	Precision Grade	Effective Stroke	Slider Type	Motor Flange	Limit Switch	Motor
			C: Normal		A: Standard	FR: Right	S2: OMRON SX674 None: Without Sensor	M: Supplied With Motor None: Without Motor



Effective stroke (mm)	L	N	Weight (kg)	AC motor output	W	400	
200	639	2	14.2	Drive		Timing Belt	
400	839	3	17.0	Pulley Perimeter	mm	120	
600	1039	4	19.8	Pulley RPM	RPM	900	
800	1239	5	22.6	Max linear speed	mm/sec	1800	
1000	1439	6	25.4	Rated thrust	N	133	
1200	1639	7	28.2	Repeatability	mm	±0.1	
1400	1839	8	31.0	Effective stroke	mm	200~3000	
1600	2039	9	33.8	Max load (H)	kg	30	
1800	2239	10	36.6	Rated dynamic load*	Fyd	N	50
2000	2439	11	39.4		Fzd	N	300
2200	2639	12	42.2		Mxd	N-m	82
2400	2839	13	45.0		Myd	N-m	92
2600	3039	14	47.8		Mzd	N-m	23
2800	3239	15	50.6	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		
3000	3439	16	53.4				

*The load condition is based on 10,000km operation.

**For horizontal application only. If used in special condition, please contact HIWIN.