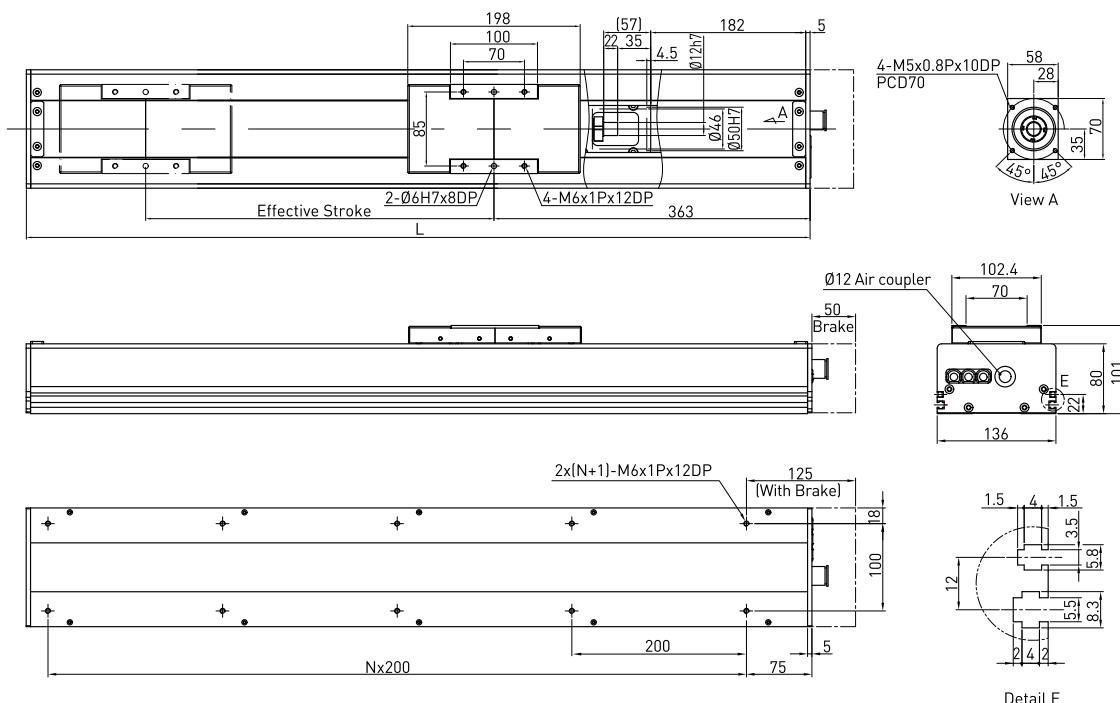


Model Number for KS140-FI

KS140	-20	P	-1100	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	200	
				Drive	Lead		mm	10
200	700	3	13.5	Rated RPM		RPM	3000	3000
300	800	3	14.7	Max linear speed*		mm/sec	500	1000
400	900	4	15.9	Rated thrust		N	280	140
500	1000	4	17.1	Repeatability		mm	± 0.02	
600	1100	5	18.3	Effective stroke		mm	100~1050	
700	1200	5	19.5	Max load (H)		kg	82	40
800	1300	6	20.7	Rated dynamic load**	Fy _d	N	50	50
900	1400	6	21.9		Fz _d	N	820	400
1000	1500	7	23.2		M _x _d	N-m	60	66
1100	1600	7	24.4		M _y _d	N-m	80	86
					M _z _d	N-m	20	26
Permitted load condition***				$\frac{F_y}{F_{y_d}} + \frac{F_z}{F_{z_d}} + \frac{M_x}{M_{x_d}} + \frac{M_y}{M_{y_d}} + \frac{M_z}{M_{z_d}} \leq 1$ <p>F_y, F_z, M_x, M_y, M_z are working loads</p>				

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

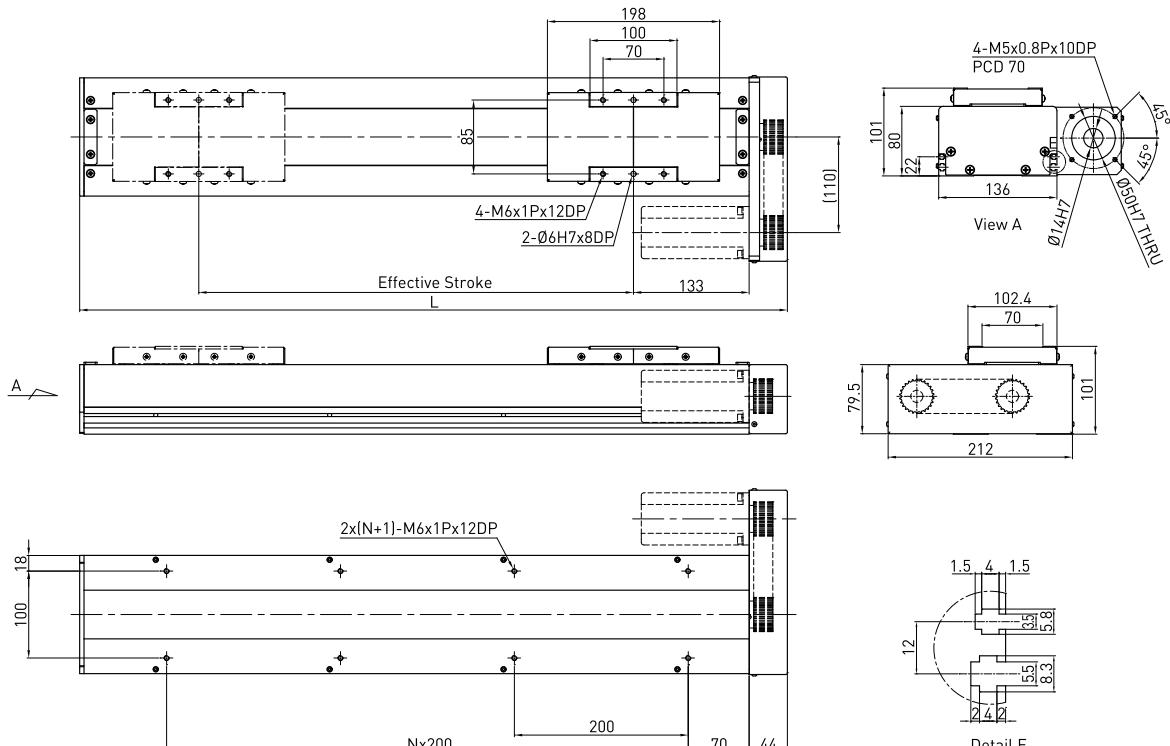
The maximum speed should be decreased by 15% for every 100mm of increased stroke.

** 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 KS140-FL

KS140	-20	P	-1100	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	200	
				Drive			Ballscrew C7(normal)	
200	514	1	11.5	Lead		mm	10	20
300	614	2	13.0	Rated RPM		RPM	3000	3000
400	714	2	14.5	Max linear speed*		mm/sec	500	1000
500	814	3	16.0	Rated thrust		N	280	140
600	914	3	17.5	Repeatability		mm	±0.02	
700	1014	4	19.0	Effective stroke		mm	100~1050	
800	1114	4	20.5	Max load (H)		kg	82	40
900	1214	5	22.0	Rated dynamic load**	Fy	N	50	50
1000	1314	5	23.5		Fz	N	820	400
1100	1414	6	25.0		Mx	N-m	60	66
					My	N-m	80	86
					Mz	N-m	20	26
				$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$				
				Fy, Fz, Mx, My, Mz are working loads				

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

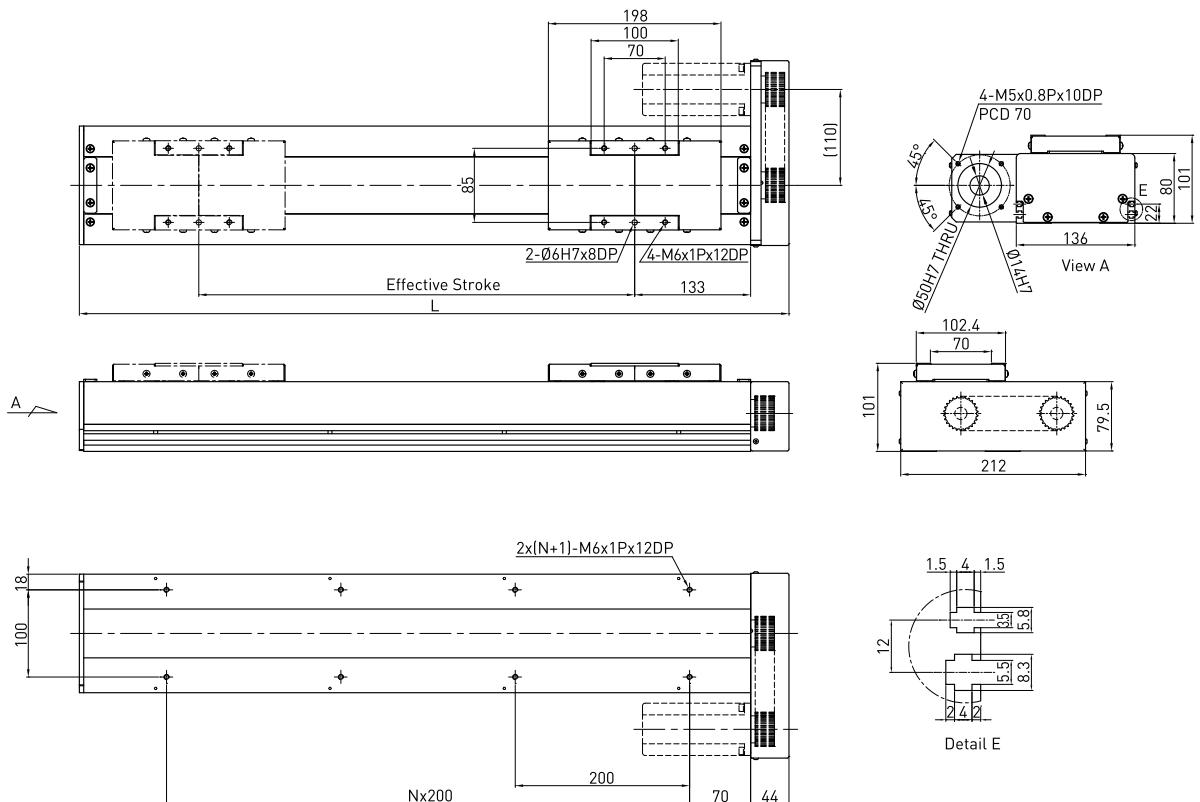
The maximum speed should be decreased by 15% for every 100mm of increased stroke.

** 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 KS140-FR

KS140	-20	P	-1100	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	200	
				Drive	Lead		mm	10
200	514	1	11.5	Rated RPM		RPM	3000	3000
300	614	2	13.0	Max linear speed*		mm/sec	500	1000
400	714	2	14.5	Rated thrust		N	280	140
500	814	3	16.0	Repeatability		mm	± 0.02	
600	914	3	17.5	Effective stroke		mm	100~1050	
700	1014	4	19.0	Max load (H)		kg	82	40
800	1114	4	20.5	Rated dynamic load**	Fy _d	N	50	50
900	1214	5	22.0		Fz _d	N	820	400
1000	1314	5	23.5		Mx _d	N-m	60	66
1100	1414	6	25.0		My _d	N-m	80	86
					Mz _d	N-m	20	26
				Permitted load condition***		$\frac{F_y}{F_{y d}} + \frac{F_z}{F_{z d}} + \frac{M_x}{M_{x d}} + \frac{M_y}{M_{y d}} + \frac{M_z}{M_{z d}} \leq 1$		
				F _y , F _z , M _x , M _y , M _z are working loads				

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

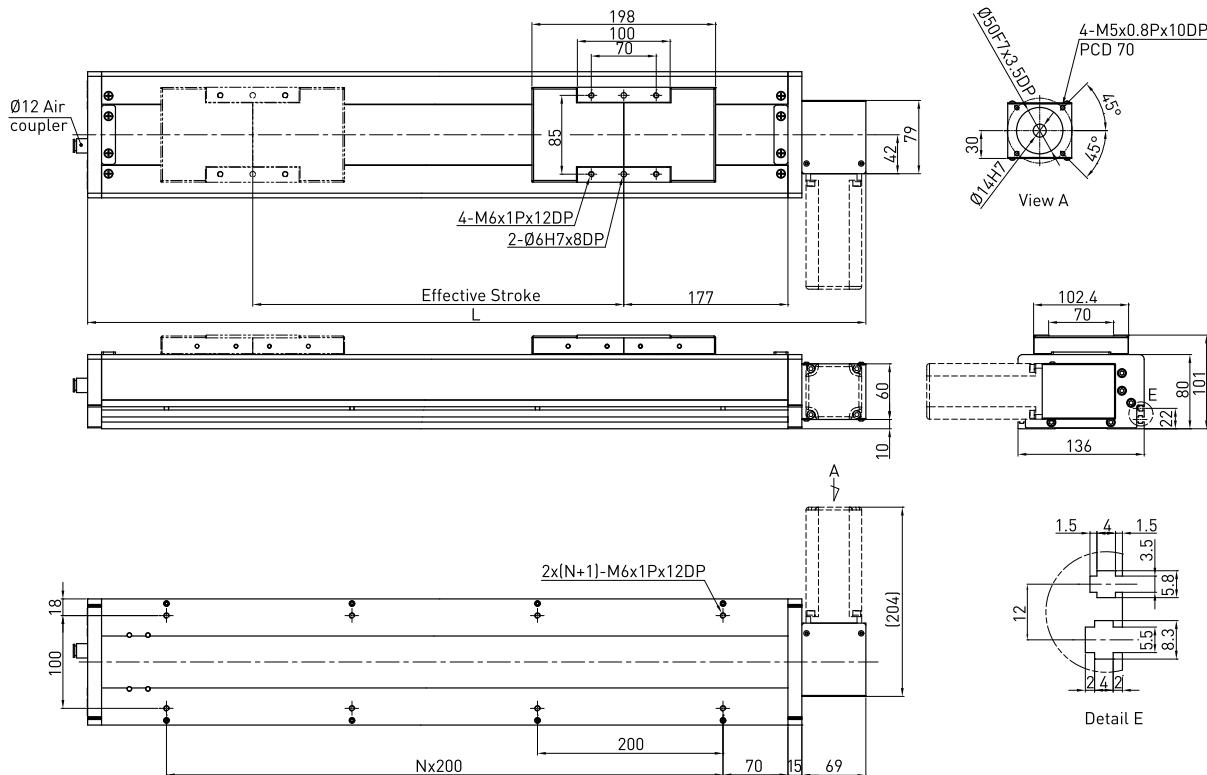
The maximum speed should be decreased by 15% for every 100mm of increased stroke.

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

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

Model Number for KS140B-FL

KS140	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



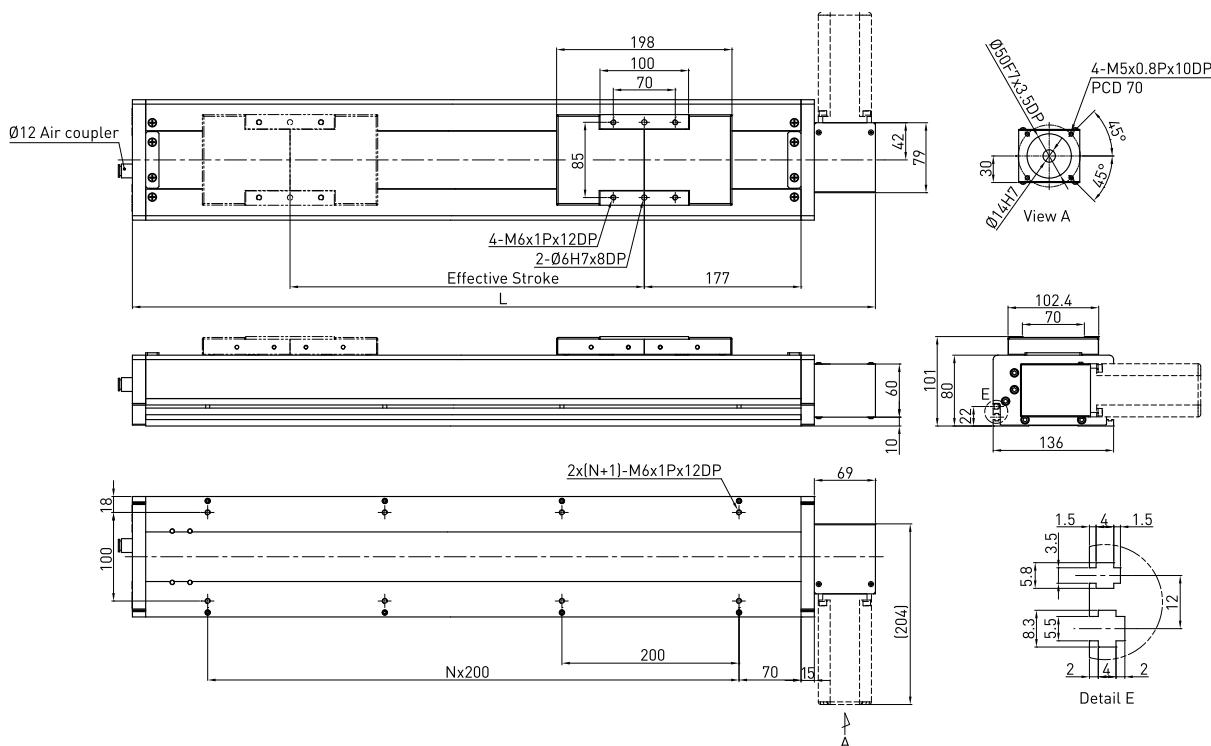
Effective stroke (mm)	L	N	Weight (kg)	AC motor output			W	200
				Drive	Pulley Perimeter	Pulley RPM		
200	639	2	10.4	Max linear speed			mm	120
400	839	3	12.6	Rated thrust			RPM	900
600	1039	4	14.8	Repeatability			mm/sec	1800
800	1239	5	17.0	Effective stroke			N	67
1000	1439	6	19.2	Max load (H)			mm	±0.1
1200	1639	7	21.4	Rated dynamic load*	Fy	Fyd	mm	200~3000
1400	1839	8	23.6		Fz	Fzd	kg	15
1600	2039	9	25.8		Mx	Mxd	N	50
1800	2239	10	28.0		My	Myd	N	150
2000	2439	11	30.2		Fx	Mzd	N-m	70
2200	2639	12	32.4				N-m	86
2400	2839	13	34.6	Permitted load condition**			N-m	26
2600	3039	14	36.8		$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$			
2800	3239	15	39.0		Fy, Fz, Mx, My, Mz are working loads			
3000	3439	16	41.2					

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

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

Model Number for KS140B-FR

KS140	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	200
				Drive	Timing Belt		
200	639	2	10.4	Pulley Perimeter	mm	120	
400	839	3	12.6	Pulley RPM	RPM	900	
600	1039	4	14.8	Max linear speed	mm/sec	1800	
800	1239	5	17.0	Rated thrust	N	67	
1000	1439	6	19.2	Repeatability	mm	± 0.1	
1200	1639	7	21.4	Effective stroke	mm	200~3000	
1400	1839	8	23.6	Max load (H)	kg	15	
1600	2039	9	25.8	Rated dynamic load*	Fyd	N	50
1800	2239	10	28.0		Fzd	N	150
2000	2439	11	30.2		Mxd	N-m	70
2200	2639	12	32.4		Myd	N-m	86
2400	2839	13	34.6		Mzd	N-m	26
2600	3039	14	36.8		$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$		
2800	3239	15	39.0	Permitted load condition**	$F_y, F_z, M_x, M_y, M_z \text{ are working loads}$		
3000	3439	16	41.2				

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

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