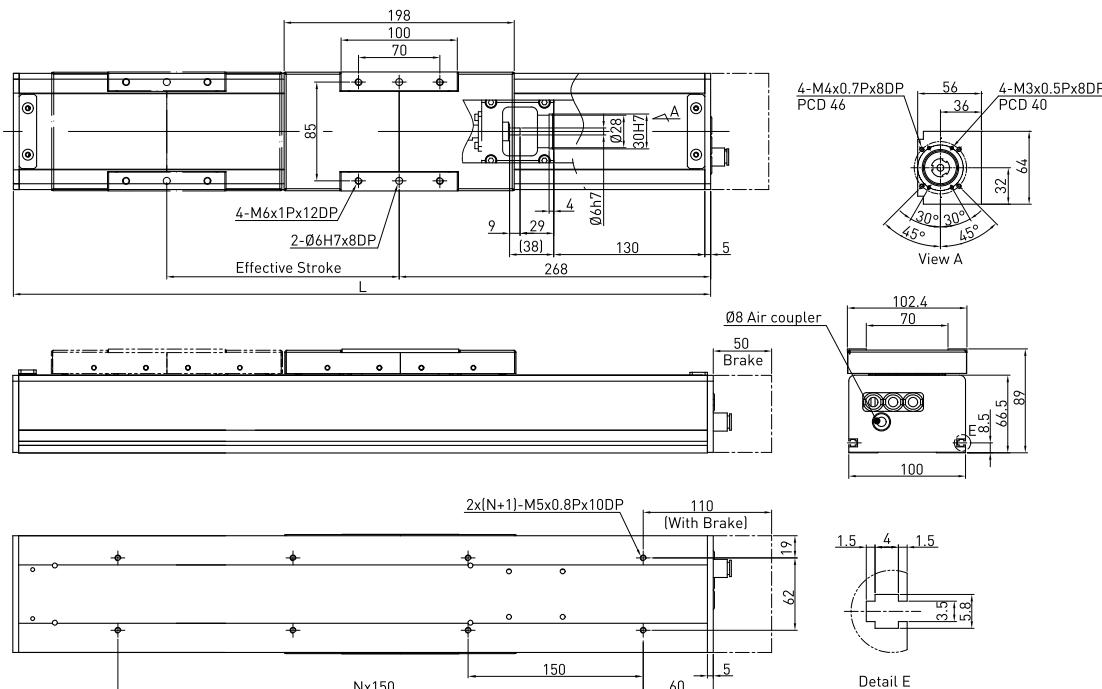


Model Number for KS100-FI

KS100	-20	P	-800	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	100		
				Ballscrew C7(normal)					RPM	3000	3000
200	600	3	9.1	Drive				mm	5	10	20
300	700	4	9.8	Lead				RPM	3000	3000	3000
400	800	4	10.5	Rated RPM				mm/sec	250	500	1000
500	900	5	11.2	Max linear speed*				N	280	140	70
600	1000	6	11.9	Rated thrust				mm	± 0.02		
700	1100	6	12.6	Repeatability				mm	100~1050		
800	1200	7	13.3	Effective stroke				kg	9.6	6.2	3.1
				Max load (H)				Fyd	N	20	20
				Rated dynamic load**				Fzd	N	96	62
								Mxd	N-m	1	1.1
								Myd	N-m	1	1.1
								Mzd	N-m	0.9	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.

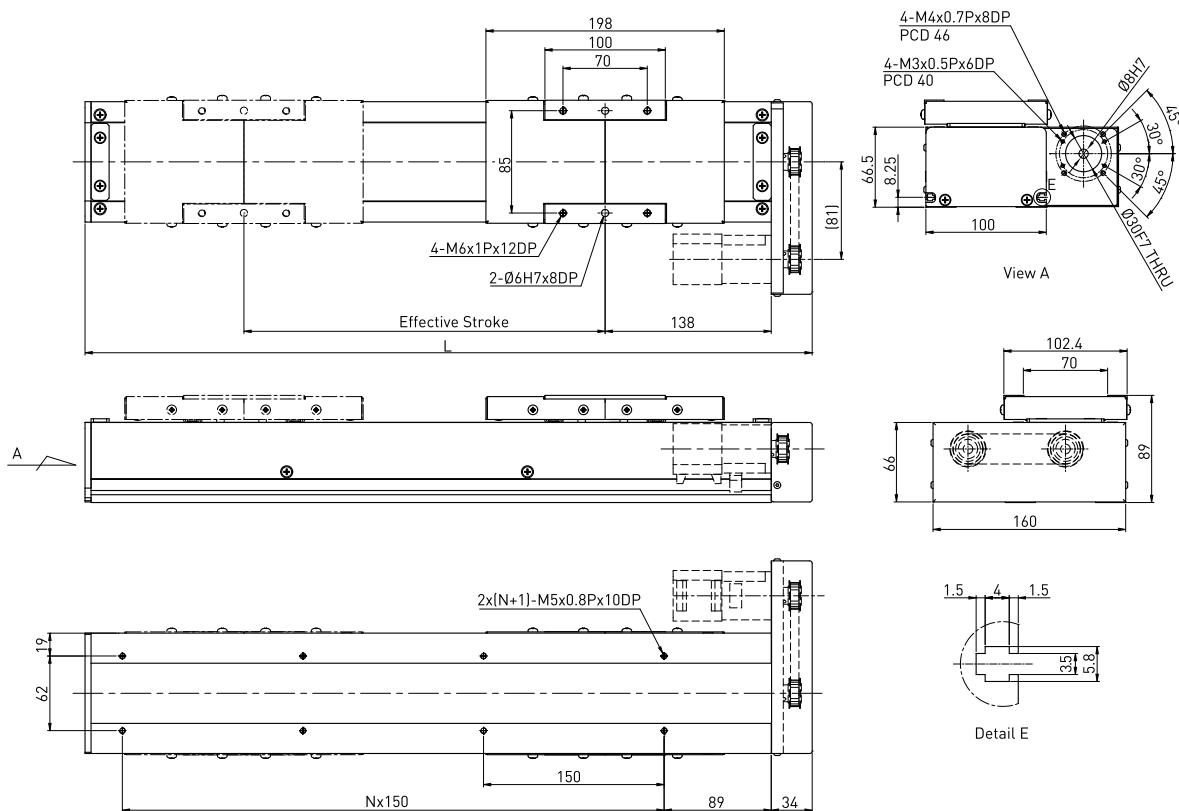
The maximum speed should be decreased by 15% for every 100mm of increased stroke.

** 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 KS100-FL

KS100	-20	P	-800	A	FL	S2	M
Model	Lead	Precision Grade	Effective Stroke	Slider Type	Motor Flange	Limit Switch	Motor
10mm	P:			A:	FL: Left	S2: OMRON SX674	M: Supplied With Motor
20mm	Precision			Standard		None: Without Sensor	None: Without Motor
C:							
Normal							



Effective stroke (mm)	L	N	Weight (kg)	AC motor output			W	100		
				Drive	Lead	Ball screw C7(normal)		mm	5	10
200	504	2	6.0	Rated RPM			RPM	3000	3000	3000
300	604	3	6.9	Max linear speed*			mm/sec	250	500	1000
400	704	3	7.8	Rated thrust			N	280	140	70
500	804	4	8.7	Repeatability			mm		±0.02	
600	904	5	9.6	Effective stroke			mm		100-1050	
700	1004	5	10.5	Max load (H)			kg	9.6	6.2	3.1
800	1104	6	11.4	Rated dynamic load**	Fy	N		20	20	20
					Fz	N		96	62	31
				Mxd	N-m			1	1.1	1.2
				Myd	N-m			1	1	1.1
				Mzd	N-m			0.9	0.9	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.

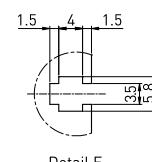
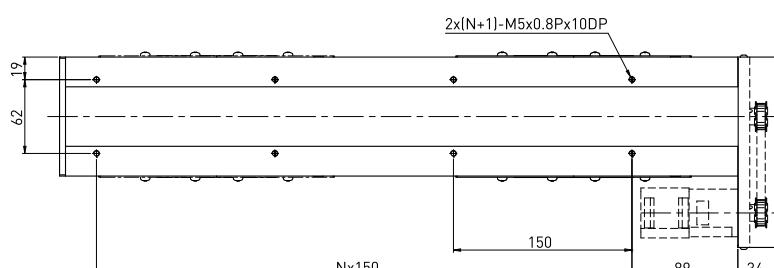
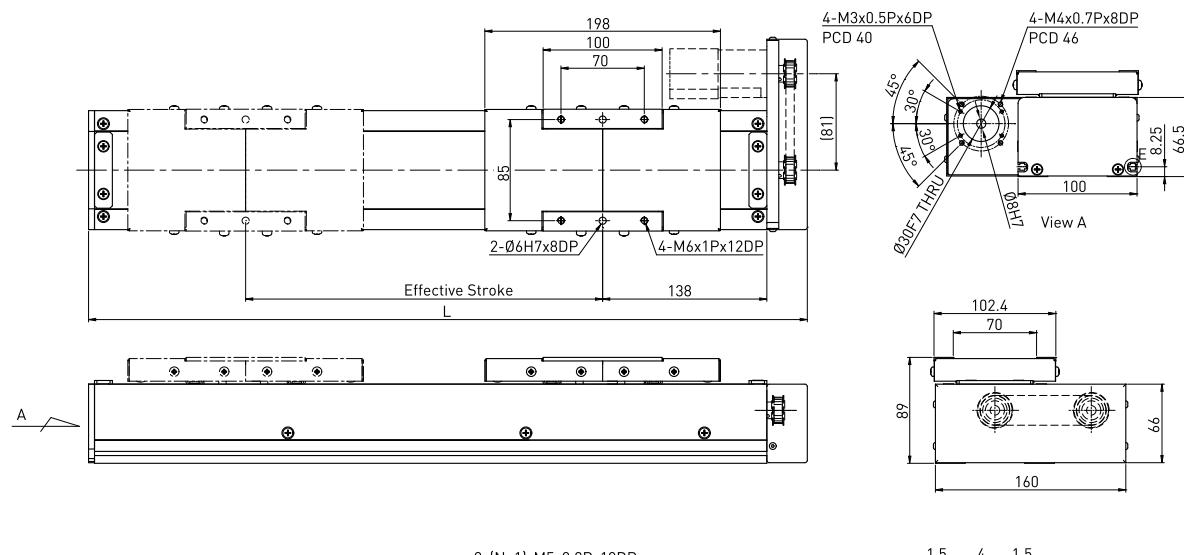
The maximum speed should be decreased by 15% for every 100mm of increased stroke.

** 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 KS100-FR

KS100	-20	P	-800	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	100			
				Drive	Lead	Rated RPM	Max linear speed*		mm	5	10	20
200	504	2	6.0						RPM	3000	3000	3000
300	604	3	6.9						mm/sec	250	500	1000
400	704	3	7.8						N	280	140	70
500	804	4	8.7						mm	± 0.02		
600	904	5	9.6						mm	100~1050		
700	1004	5	10.5						kg	9.6	6.2	3.1
800	1104	6	11.4									
				Rated dynamic load**				Fyd	N	20	20	20
				Permitted load condition***				Fzd	N	96	62	31
				$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$				Mxd	N-m	1	1.1	1.2
				$F_y, F_z, M_x, M_y, M_z \text{ are working loads}$				Myd	N-m	1	1	1.1
								Mzd	N-m	0.9	0.9	1

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

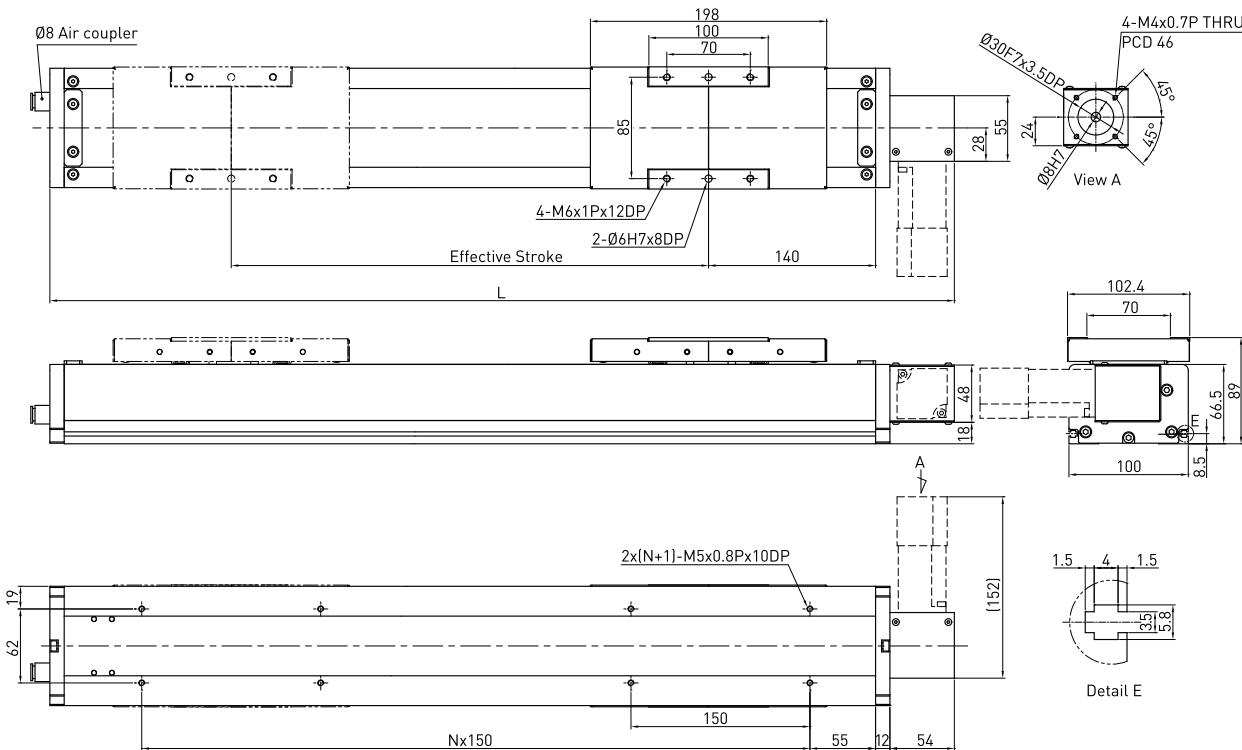
The maximum speed should be decreased by 15% for every 100mm of increased stroke.

** 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 KS100B-FL

KS100	B	-84	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



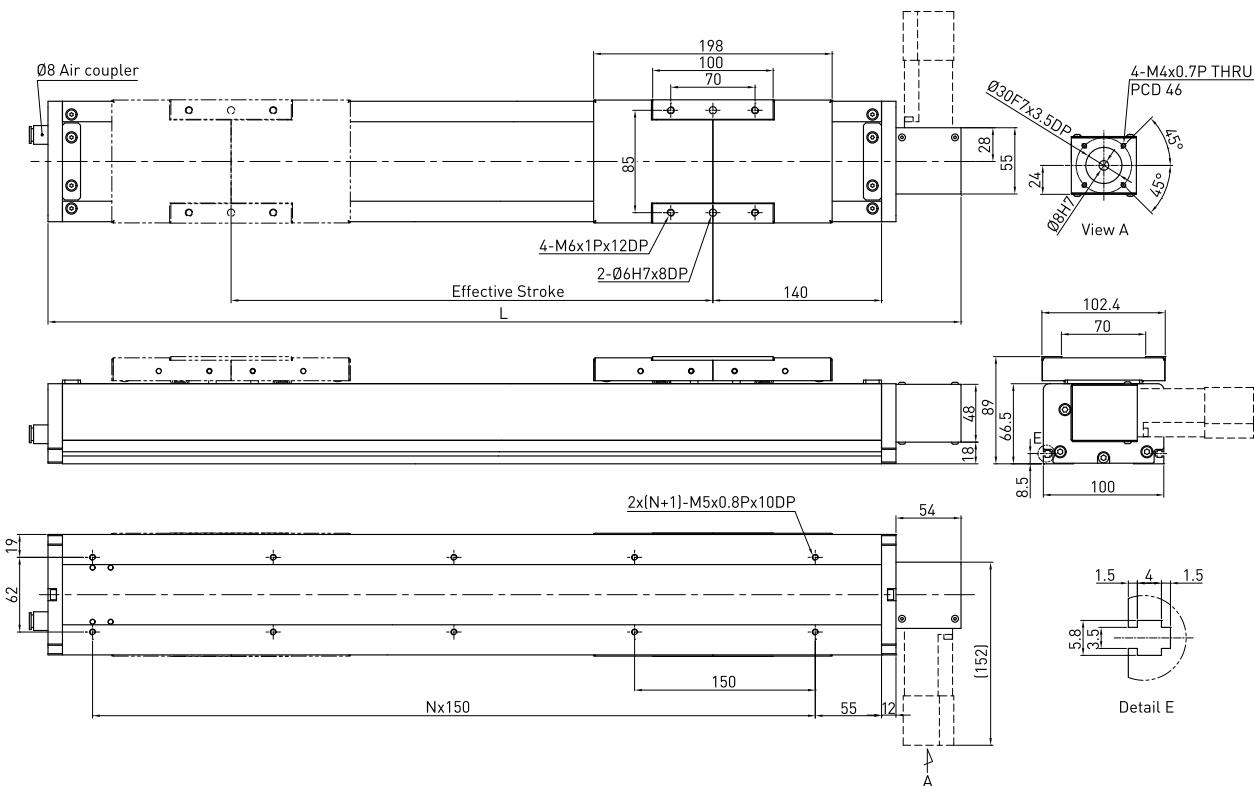
Effective stroke (mm)	L	N	Weight (kg)	AC motor output			W	100
				Drive	Pulley Perimeter	Pulley RPM		
200	558	2	6.1					Timing Belt
400	758	4	7.6					84
600	958	5	9.1					1286
800	1158	6	10.6					1800
1000	1358	8	12.1					33
1200	1558	9	13.6					±0.1
1400	1758	10	15.1					200~3000
1600	1958	12	16.6					7.5
1800	2158	13	18.1					20
2000	2358	14	19.6	Rated dynamic load*	Fzd	N		75
2200	2558	16	21.1		Mxd	N-m		1
2400	2758	17	22.6		Myd	N-m		0.9
2600	2958	18	24.1		Mzd	N-m		0.5
2800	3158	20	25.6		$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$			
3000	3358	21	27.1	Fy, Fz, Mx, My, Mz are working loads				

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

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

Model Number for KS100B-FR

KS100	B	-84	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	100	
200	558	2	6.1	Drive		Timing Belt	
400	758	4	7.6	Pulley Perimeter	mm	84	
600	958	5	9.1	Pulley RPM	RPM	1286	
800	1158	6	10.6	Max linear speed	mm/sec	1800	
1000	1358	8	12.1	Rated thrust	N	33	
1200	1558	9	13.6	Repeatability	mm	±0.1	
1400	1758	10	15.1	Effective stroke	mm	200~3000	
1600	1958	12	16.6	Max load (H)	kg	7.5	
1800	2158	13	18.1	Rated dynamic load*	Fyd	N	20
2000	2358	14	19.6		Fzd	N	75
2200	2558	16	21.1		Mxd	N-m	1
2400	2758	17	22.6		Myd	N-m	0.9
2600	2958	18	24.1		Mzd	N-m	0.5
2800	3158	20	25.6		$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$		
3000	3358	21	27.1	Permitted load condition**	$F_y, F_z, M_x, M_y, M_z \text{ are working loads}$		

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

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