



此图仅供参考，出货规格详见尺寸图面
This drawing is for reference only, Please refer to the size drawing for shipment specifications.

最大行程
Max Stroke 800mm

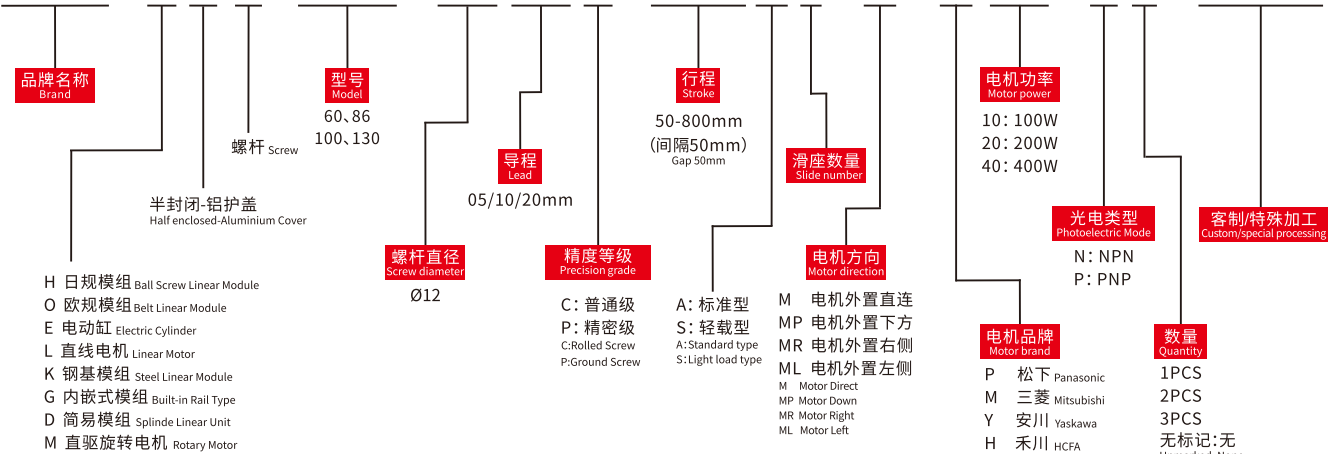
最高速度
Max Speed 1000mm/s

马达容量
Motor Output 100W

滚珠螺杆
Ball Screw Ø12mm

型号表达方式 Ordering method

TPA-KNR-60E-1210C-L50A1-M-M10-N3-F001



产品性能参数如下 Product performance parameters are as follows

规格 Spec	重复定位精度 (mm)	Repeated positioning accuracy (mm)	±0.005		
	螺杆导程 (mm)	Ball screw lead (mm)	5	10	20
	最高速度 (mm/s)	Maximum speed (mm/s)	250	500	1000
	最大可搬重量 Maximum Payload	水平使用 (kg)	39	22	10
		垂直使用 (kg)	12	8	4
	定格推力 (N)	Rated thrust (N)	341	170	85
部品 Parts	标准行程 (mm)	Stroke pitch (mm)	50~800mm/50 间隔 50 mm Pitch		
	AC伺服马达容量 (W)	AC servo motor output (w)	100		
	滚珠螺杆外径 (mm)	Ball screw Ø (mm)	C7Ø12		
	联轴器 (mm)	Coupling(mm)	8X8		
原点感应器 Original Sense		外挂 Outside	TPA-N674-WR		

※1 行程超过600mm时,会产生螺杆偏摆,此时请将速度调降。
※1 When the stroke exceeds 600mm, the screw deflection will occur. Please reduce the speed at this time.
※2 马达加减速设定0.2秒。
※2 Acceleration and deceleration value is set 0.2 second.

容许负载力矩表 N.m Allowable overhang

(单位Unit:mm)					(单位Unit:mm)					(单位Unit:mm)				
水平安装 Horizontal installation		A	B	C	侧面安装 Side mounting		A	B	C	垂直安装 Vertical installation		A	C	
导程 5 Lead	13kg	845	96	130	导程 5 Lead	13kg	130	96	845	导程 5 Lead	7kg	174	174	
	26kg	570	42	58		26kg	58	42	570		9.5kg	130	130	
	39kg	350	25	32		39kg	32	25	350		12kg	108	108	
导程 10 Lead	6kg	720	174	220	导程 10 Lead	6kg	216	174	720	导程 10 Lead	1.5kg	1280	1280	
	12kg	444	84	102		12kg	102	84	444		5kg	416	416	
	18kg	300	50	62		18kg	62	50	300		8kg	248	248	
导程 20 Lead	5kg	320	120	130	导程 20 Lead	5kg	130	120	320	导程 20 Lead	1.5kg	960	960	
	8kg	220	70	80		8kg	75	70	220		3kg	480	480	
	10kg	175	55	60		10kg	60	55	175		4kg	400	400	

静态容许负载惯量 Static loading moment

(单位Unit:N.m)	
MY	103
MP	103
MR	144

*力矩表所表示的数据,代表重心。
The torque value in the chart indicate the center of gravity.
*符合型录规范的正常试用下,保证寿命为10000公里。
Operation life is 10,000km when the product is using under the specified conditions.
*倒吊使用无法套用标准规范,如有需求请咨询我司业务。
The standard specification cannot be applied to the use of inverted crane. Please consult our business if necessary.

搭配伺服马达一览表 Suitable motor brand

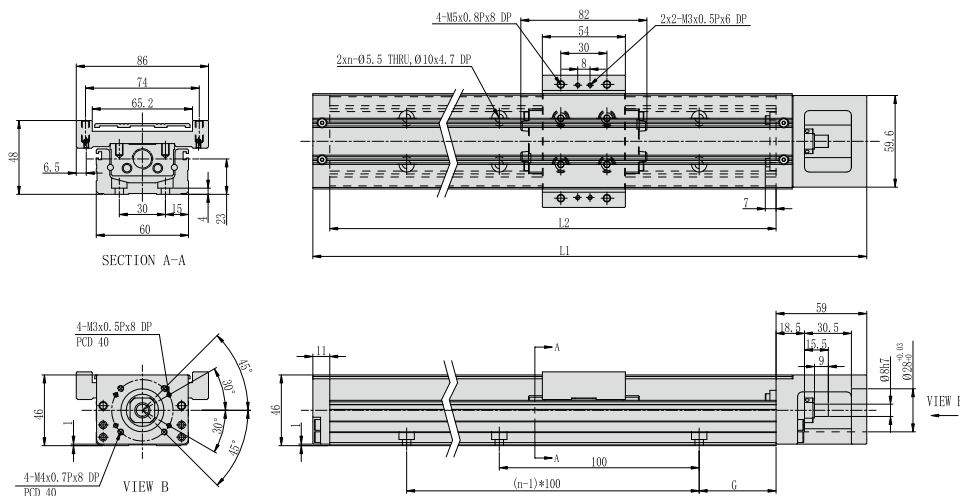
品牌 Brand	马达记号 Mark	刹车有无 Brake	马达容量 Motor capacity	电源电压 AC-Voltage	伺服马达型号 Servo motor model	驱动器型号 Driver Model
三菱 Mitsubishi	M	无刹车(水平式样) No brake (horizontal type)	100	220	HG-KR13	MR-J4-10A
		有刹车(垂直式样) With brakes (vertical type)	100	220	HG-KR13B	MR-J4-10A
松下 Panasonic	P	无刹车(水平式样) No brake (horizontal type)	100	220	MHMD012G1U	MADHT1505
		有刹车(垂直式样) With brakes (vertical type)	100	220	MHMD012G1V	MADHT1505
台达 Delta	T	无刹车(水平式样) No brake (horizontal type)	100	220	ECMA-C20401ES	ASD-B20121-B
		有刹车(垂直式样) With brakes (vertical type)	100	220	ECMA-C20401FS	ASD-B20121-B



KNR 外形尺寸(含护盖) KNR Overall dimensions(Cover included)

M KNR-60E 电机外置直连(含护盖) KNR-60E Motor external direct connection (Cover included)

单位:Unit: mm

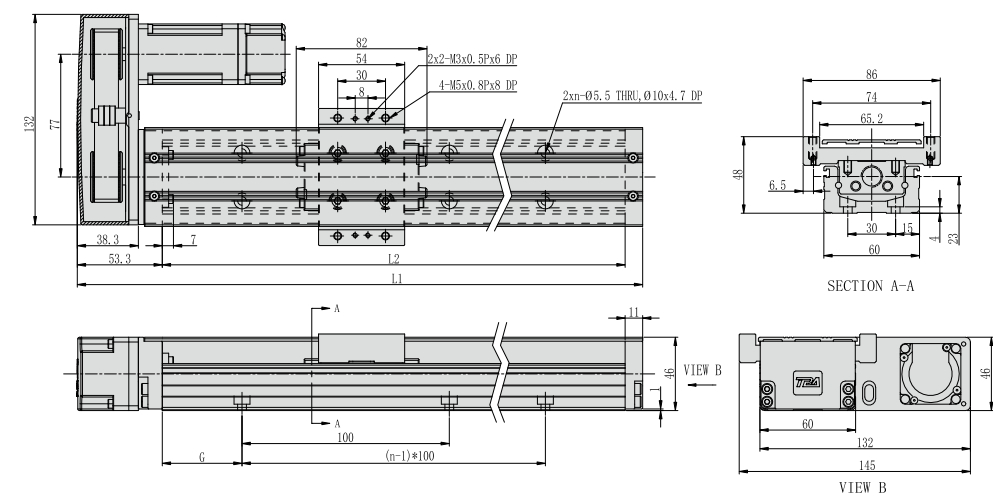


有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L2	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
L1	220	270	320	370	420	470	520	570	620	670	720	770	820	870	920	970
G	25	50	25	50	25	50	25	50	25	50	25	50	25	50	25	50
n	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9
KG	1	1.4	1.7	2	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5	5.3	5.6

KNR 外形尺寸(含护盖) KNR Overall dimensions(Cover included)

MR KNR-60E 电机外置右侧(含护盖) KNR-60E Motor external right side (Cover included)

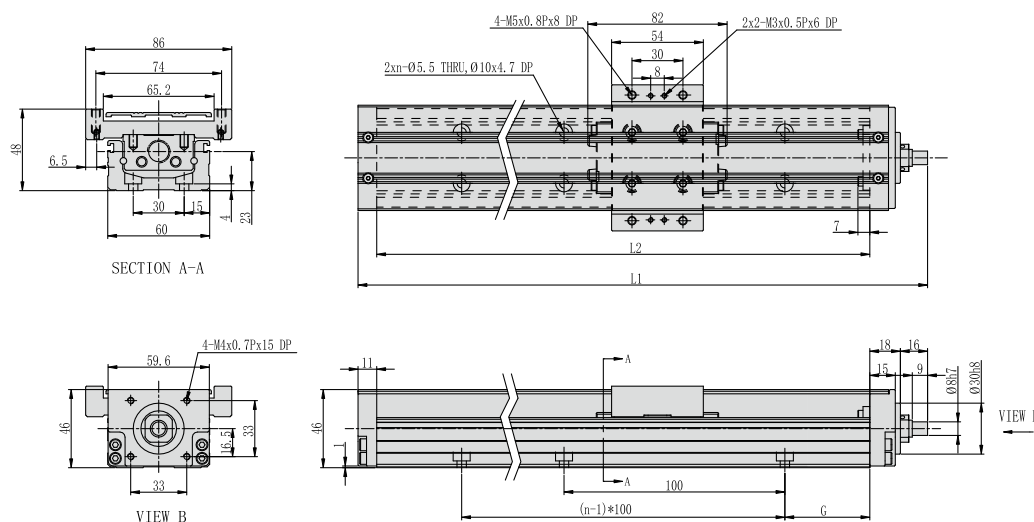
单位:Unit: mm



有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L2	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
L1	214	264	314	364	414	464	514	564	614	664	714	764	814	864	914	964
G	25	50	25	50	25	50	25	50	25	50	25	50	25	50	25	50
n	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9
KG	1	1.4	1.7	2	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5	5.3	5.6

H0 KNR-60E-H0(含护盖) KNR-60E-H0 (including cover)

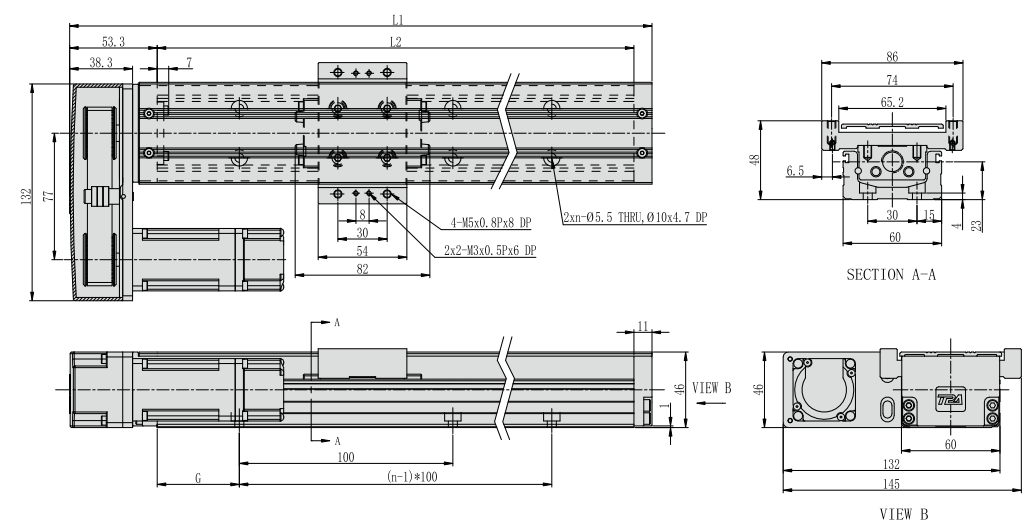
单位:Unit: mm



有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L2	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
L1	195	245	295	345	395	445	495	545	595	645	695	745	795	845	895	945
G	25	50	25	50	25	50	25	50	25	50	25	50	25	50	25	50
n	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9
KG	0.9	1.3	1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.7	4	4.3	4.6	4.9	5.2	5.5

ML KNR-60E 电机外置左侧(含护盖) KNR-60E Motor external left side (Cover included)

单位:Unit: mm



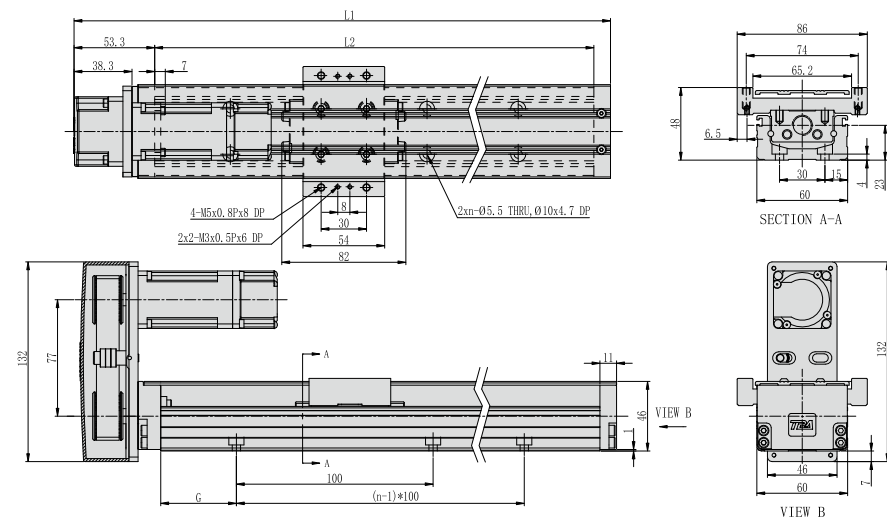
有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L2	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
L1	214	264	314	364	414	464	514	564	614	664	714	764	814	864	914	964
G	25	50	25	50	25	50	25	50	25	50	25	50	25	50	25	50
n	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9
KG	1	1.4	1.7	2	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5	5.3	5.6



KNR 外形尺寸 (含护盖) KNR Overall dimensions (Cover included)

MU KNR-60E 电机外置上方 (含护盖) KNR-60E Motor external above (Cover included)

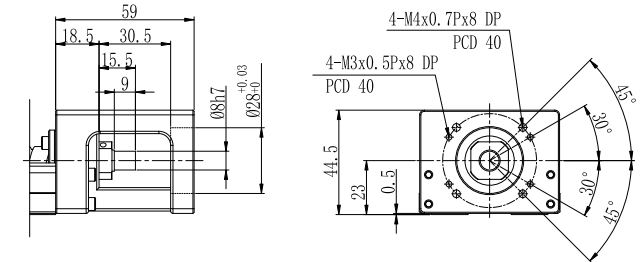
单位:Unit: mm



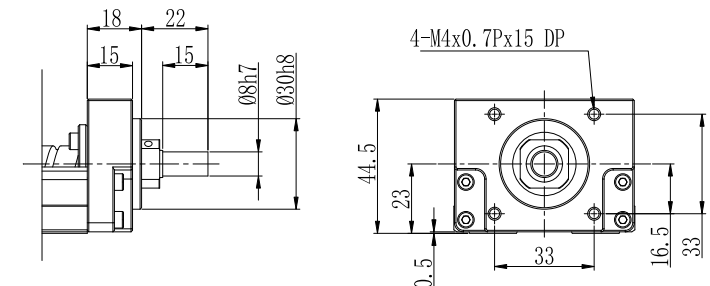
有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L2	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
L1	214	264	314	364	414	464	514	564	614	664	714	764	814	864	914	964
G	25	50	25	50	25	50	25	50	25	50	25	50	25	50	25	50
n	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9
KG	1	1.4	1.7	2	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5	5.3	5.6

电机座与电机连接法兰 Motor seat and motor connecting flange

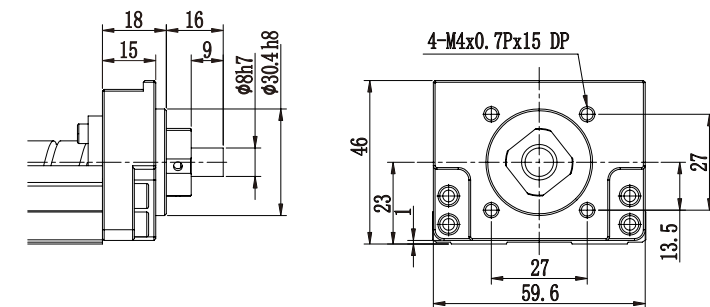
60 电机座 F0 Motor seat F0



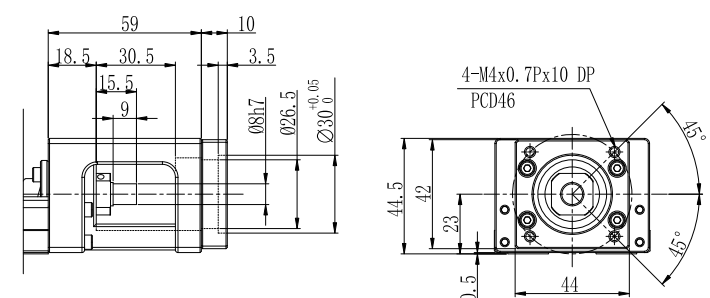
电机座 H0 Motor seat H0



60 电机座 H1 Motor seat H1

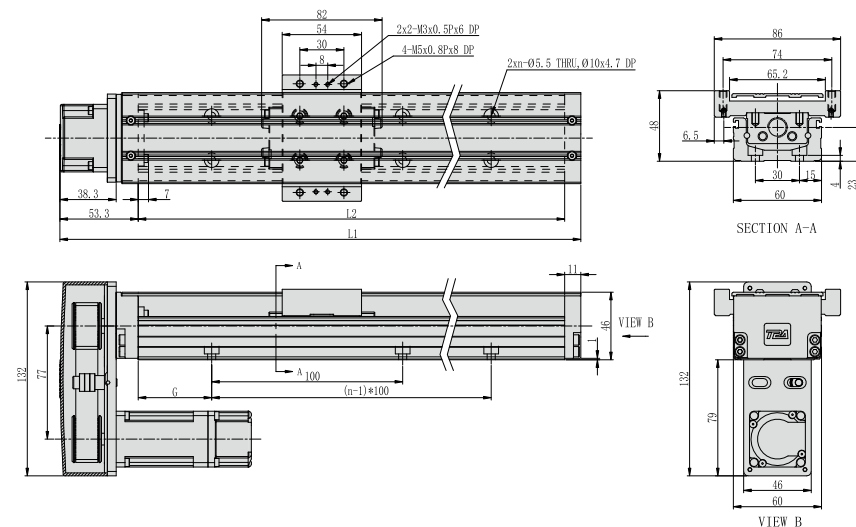


电机连接法兰 F1 (台达/安川/汇川/三菱/富士 100W) Connecting flange F1 of motor (Delta/Yaskawa/Inovance/Mitsubishi/Fuji 100W)



MP KNR-60E 电机外置下方 (含护盖) KNR-60E Motor external under below (Cover included)

单位:Unit: mm



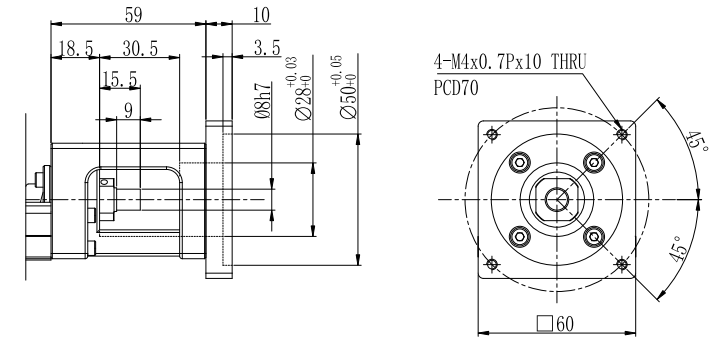
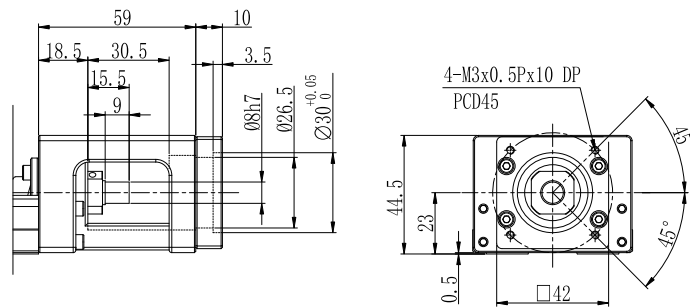
有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L2	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
L1	214	264	314	364	414	464	514	564	614	664	714	764	814	864	914	964
G	25	50	25	50	25	50	25	50	25	50	25	50	25	50	25	50
n	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9
KG	1	1.4	1.7	2	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5	5.3	5.6



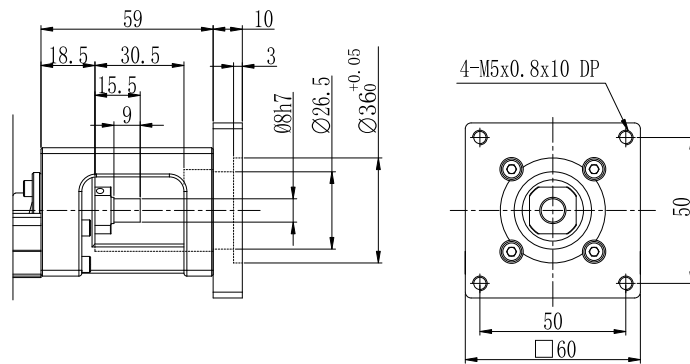
电机座与电机连接法兰 Motor seat and motor connecting flange

电机座与电机连接法兰 Motor seat and motor connecting flange

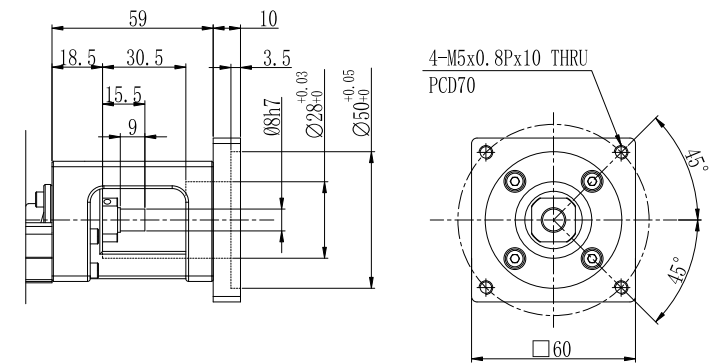
60 电机连接法兰F2(松下 50W/100W) Connecting flange F2 of motor (Panasonic 50W/100W)



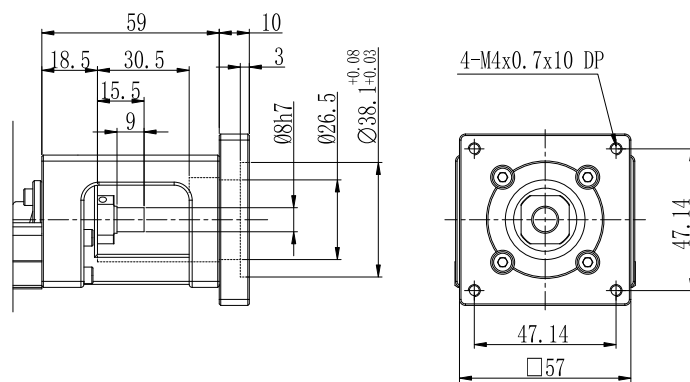
电机连接法兰F3(60步进) Connecting flange F3 of motor (60 Stepper)



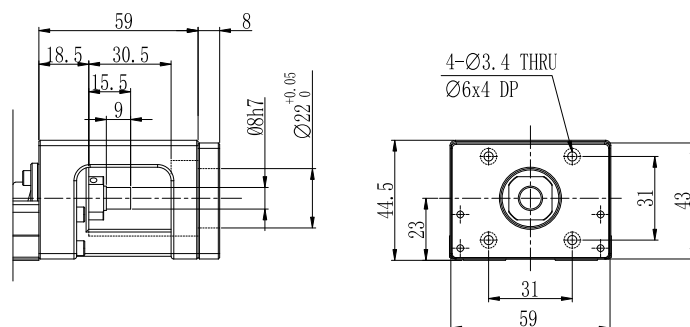
电机连接法兰F7(台达/安川/汇川/三菱/富士 200W/400W) Connecting flange F7 of motor (Delta/Yaskawa/Inovance/Mitsubishi/Fuji 200W/400W)



60 电机连接法兰F4(57步进) Connecting flange F4 of motor (57 Stepper)



电机连接法兰F5(42步进) Connecting flange F5 of motor (42 Stepper)



KSR

KNR-E

参考资料
Reference
data



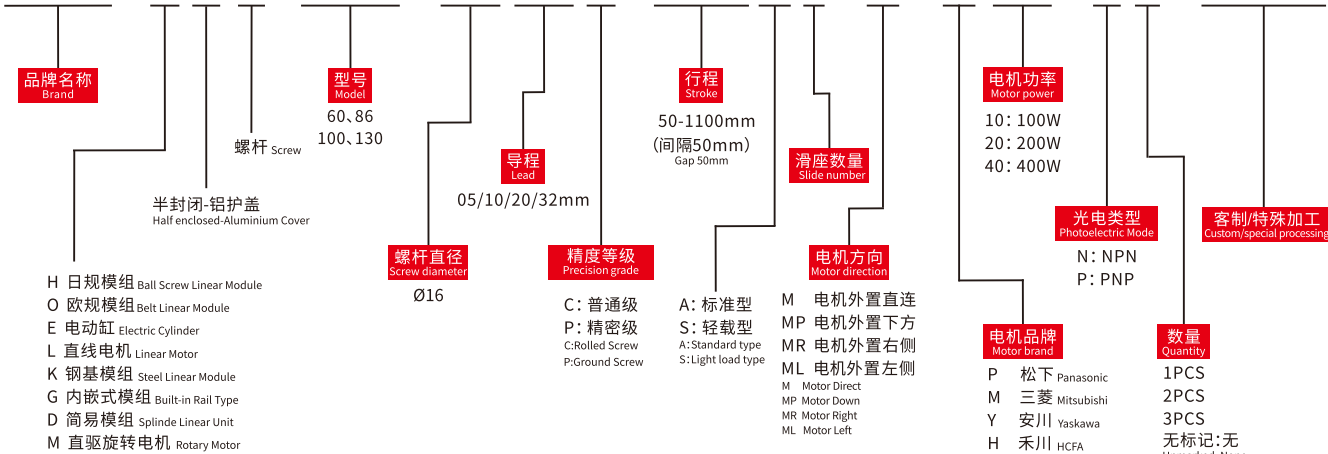
重复精度
Repeat Accuracy
±0.005mm

此图仅供参考，出货规格详见尺寸图面
This drawing is for reference only, Please refer to the size drawing for shipment specifications.

最大行程 Max Stroke 1100mm
最高速度 Max Speed 1600mm/s
马达容量 Motor Output 400W
滚珠螺杆 Ball Screw Ø16mm

型号表达方式 Ordering method

TPA-KNR-86E-1610C-L50A1-M-M10-N3-F001

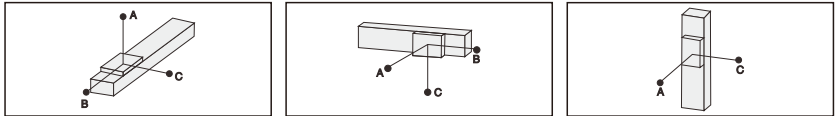


产品性能参数如下 Product performance parameters are as follows

规格 Spec	重复定位精度 (mm)	Repeated positioning accuracy (mm)	±0.005			
	螺杆导程 (mm)	Ball screw lead (mm)	5	10	20	32
	最高速度 (mm/s)	Maximum speed (mm/s)	250	500	1000	1600
	最大可搬重量 Maximum Payload	水平使用 (kg)	60	45	22	15
		垂直使用 (kg)	20	16	10	7
	定格推力 (N)	Rated thrust (N)	683	341	174	106
部品 Parts	标准行程 (mm)	Stroke pitch (mm)	50~1100mm/50 间隔 50 mm Pitch			
	AC伺服马达容量 (W)	AC servo motor output (w)	200/400			
	滚珠螺杆外径 (mm)	Ball screw Ø (mm)	C7Ø16			
	联轴器 (mm)	Coupling (mm)	10X14/11			
原点感应器 Original Sense		外挂 Outside	TPA-N674-WR			

※1 行程超过750mm时,会产生螺杆偏摆,此时请将速度调降。
※1 When the stroke exceeds 750mm, the screw deflection will occur. Please reduce the speed at this time.
※2 马达加减速设定0.2秒。
※2 Acceleration and deceleration value is set 0.2 second.
*注1:使用Panasonic200W马达时,马达轴心为Ø11;其他品牌,马达轴心为Ø14。
*注1: Motor(200W) Shaft Diameter: Panasonic;11mm;Other:14mm.

容许负载力矩表 N.m Allowable overhang

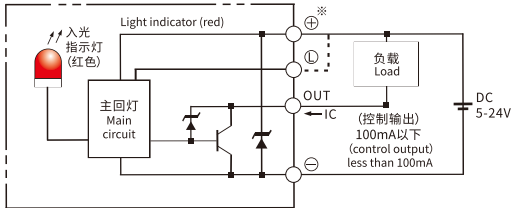


(单位Unit:mm)				(单位Unit:mm)				(单位Unit:mm)			
水平安装 Horizontal installation				侧面安装 Side mounting				垂直安装 Vertical installation			
导程 Lead	5	10	20	导程 Lead	5	10	20	导程 Lead	5	10	20
24kg	1872	184	285	24kg	256	184	1722	13kg	430	430	
42kg	1068	97	151	42kg	135	97	1014	20kg	286	286	
60kg	660	64	98	60kg	88	64	607	-	-	-	
12kg	2076	343	494	12kg	444	343	1680	10kg	765	765	
24kg	1006	163	235	24kg	212	163	960	16kg	478	478	
36kg	649	103	149	36kg	134	103	594	-	-	-	
7kg	1455	483	591	7kg	532	483	912	10kg	1496	1496	
10kg	960	316	387	10kg	350	316	332	-	-	-	
21kg	710	232	285	21kg	256	232	652	-	-	-	
3kg	861	467	521	3kg	496	485	375	2kg	614	614	
5kg	754	325	398	5kg	336	315	149	-	-	-	
8kg	613	200	265	8kg	251	200	465	-	-	-	

搭配伺服马达一览表 Suitable motor brand

品牌 Brand	马达记号 Mark	刹车有无 Brake	马达容量 Motor capacity	电源电压 AC-Voltage	伺服马达型号 Servo motor model	驱动器型号 Driver Model
三菱 Mitsubishi	M	无刹车(水平式样) No brake (horizontal type)	200	220	HG-KR23	MR-J4-20A
		有刹车(垂直式样) With brakes (vertical type)	200	220	HG-KR23B	MR-J4-20A
松下 Panasonic	P	无刹车(水平式样) No brake (horizontal type)	200	220	MHMD022G1U	MADHT1507
		有刹车(垂直式样) With brakes (vertical type)	200	220	MHMD022G1V	MADHT1507
台达 Delta	T	无刹车(水平式样) No brake (horizontal type)	200	220	ECMA-C20602ES	ASD-B20221
		有刹车(垂直式样) With brakes (vertical type)	200	220	ECMA-C20602FS	ASD-B20221

感应器连接图<原点及端点> Sensor layout



KSR

KNR-E

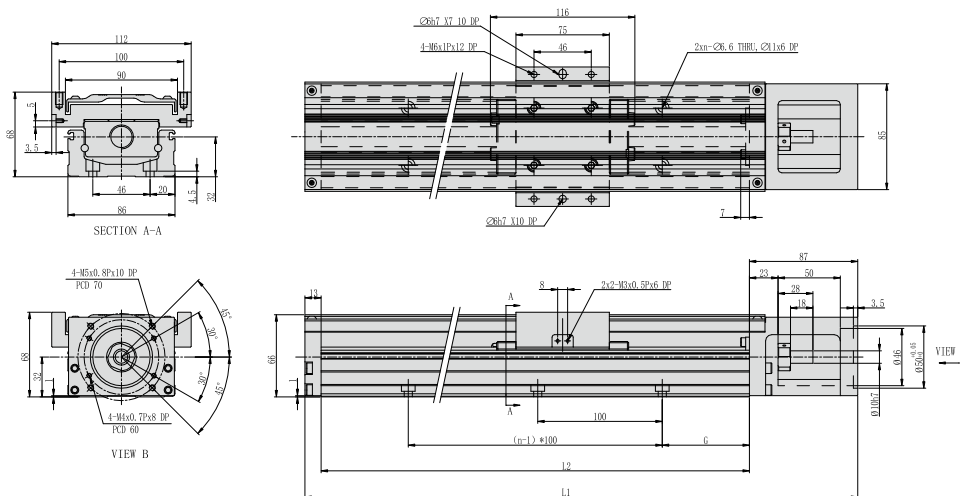
参考资料
Reference data



KNR 外形尺寸(含护盖) KNR Overall dimensions(Cover included)

M KNR-86E 电机外置直连(含护盖) KNR-86E Motor external direct connection (Cover included)

单位:Unit: mm

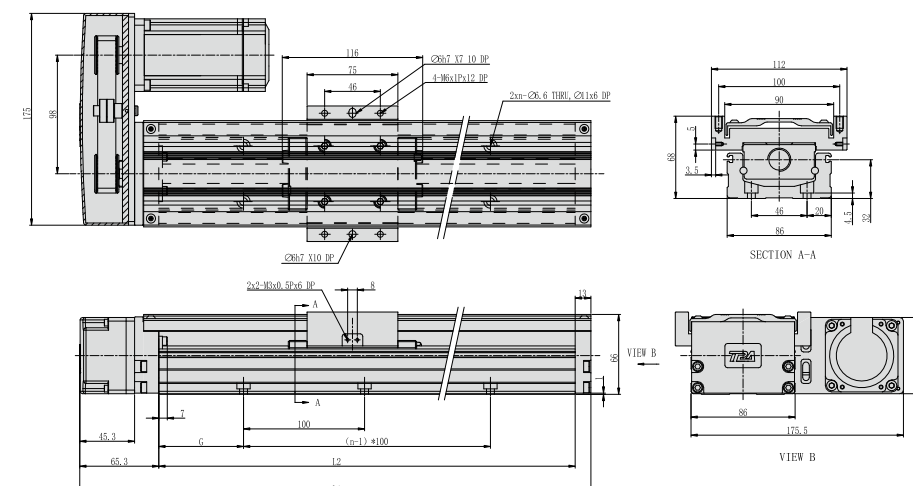


有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L2	190	240	290	340	390	440	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240
L1	290	340	390	440	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240	1290	1340
G	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70
n	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12
KG	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5

KNR 外形尺寸(含护盖) KNR Overall dimensions(Cover included)

MR KNR-86E 电机外置右侧(含护盖) KNR-86E Motor external right side (Cover included)

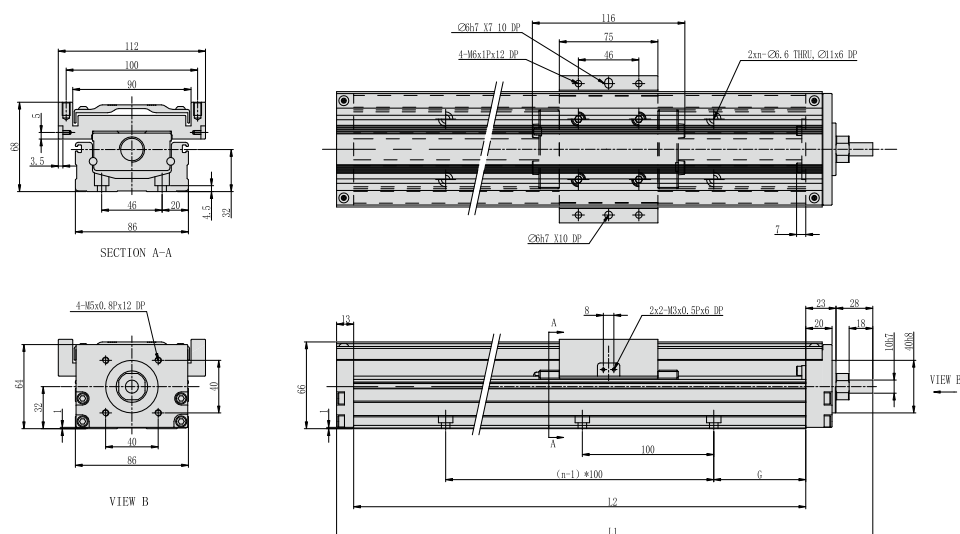
单位:Unit: mm



有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L2	190	240	290	340	390	440	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240
L1	268	318	368	418	468	518	568	618	668	718	768	818	868	918	968	1018	1068	1118	1168	1218	1268	1318
G	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70
n	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12
KG	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5

H0 KNR-86E-H0(含护盖) KNR-86E-H0 (including cover)

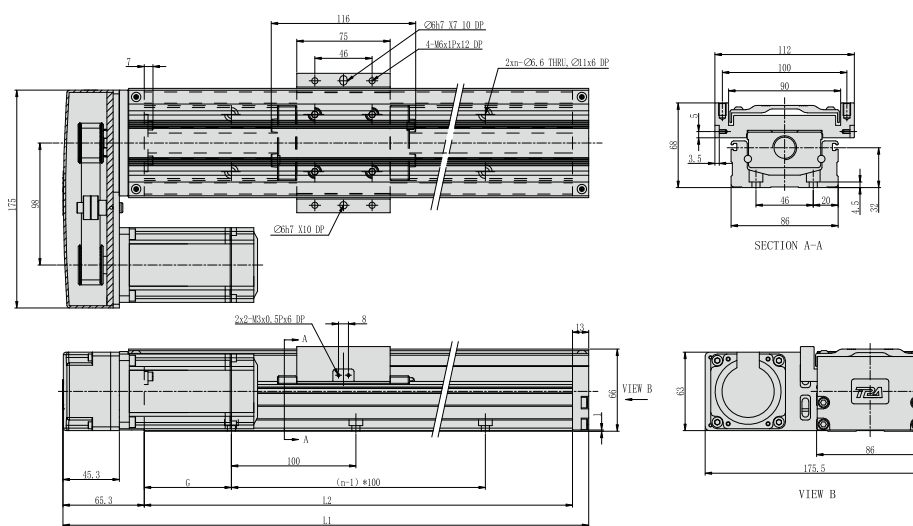
单位:Unit: mm



有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L2	190	240	290	340	390	440	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240
L1	254	304	354	404	454	504	554	604	654	704	754	804	854	904	954	1004	1054	1104	1154	1204	1254	1304
G	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70
n	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12
KG	4.2	4.4	4.6	4.8	5	5.2	5.4	5.6	5.8	6	6.2	6.4	6.6	6.8	7	7.2	7.4	7.6	7.8	8	8.2	8.4

ML KNR-86E 电机外置左侧(含护盖) KNR-86E Motor external left side (Cover included)

单位:Unit: mm



有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L2	190	240	290	340	390	440	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240
L1	268	318	368	418	468	518	568	618	668	718	768	818	868	918	968	1018	1068	1118	1168	1218	1268	1318
G	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70
n	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12
KG	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5



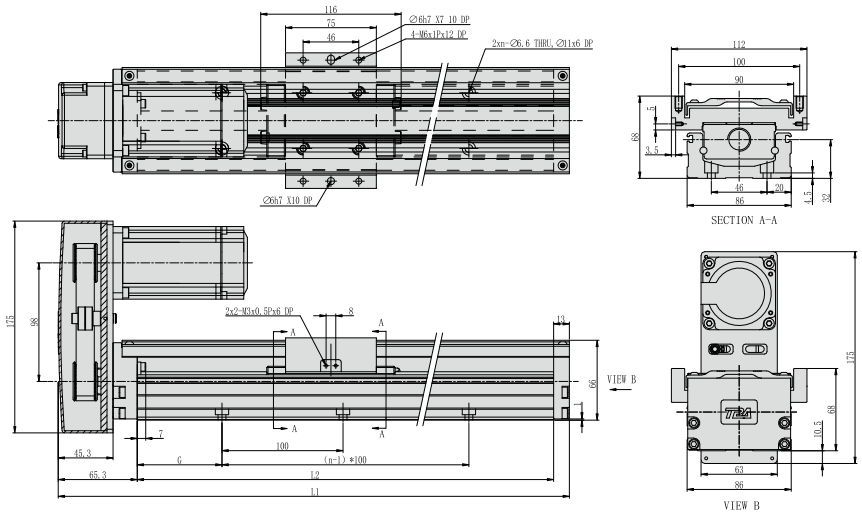
KNR 外形尺寸(含护盖)

KNR Overall dimensions(Cover included)



KNR-86E 电机外置上方(含护盖) KNR-86E Motor external above (Cover included)

单位:Unit: mm

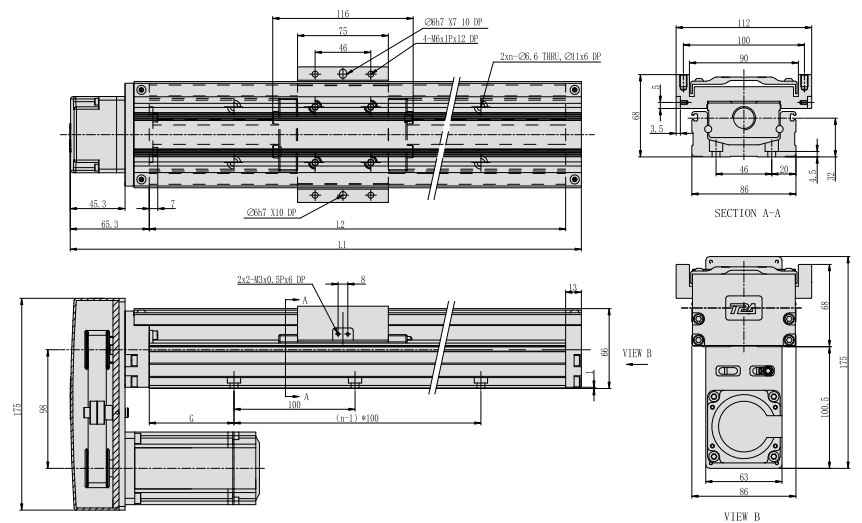


有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L2	190	240	290	340	390	440	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240
L1	268	318	368	418	468	518	568	618	668	718	768	818	868	918	968	1018	1068	1118	1168	1218	1268	1318
G	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70
n	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12
KG	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5



KNR-86E 电机外置下方(含护盖) KNR-86E Motor external under below (Cover included)

单位:Unit: mm



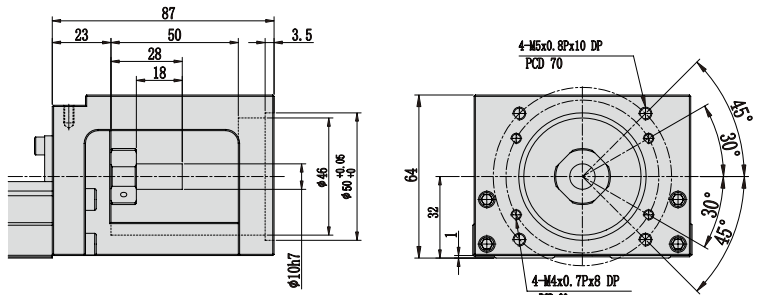
有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L2	190	240	290	340	390	440	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240
L1	268	318	368	418	468	518	568	618	668	718	768	818	868	918	968	1018	1068	1118	1168	1218	1268	1318
G	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70	45	70
n	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12
KG	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5

电机座与电机连接法兰

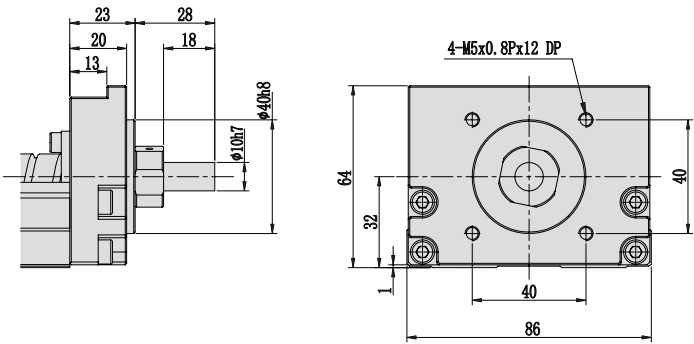
Motor seat and motor connecting flange



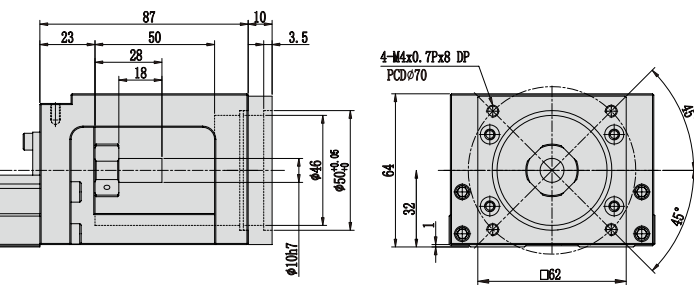
电机座F0(台达/安川/汇川/三菱/富士 200W/400W) Motor seat F0 (Delta/Yaskawa/Inovance/Mitsubishi/Fuji 200W/400W)



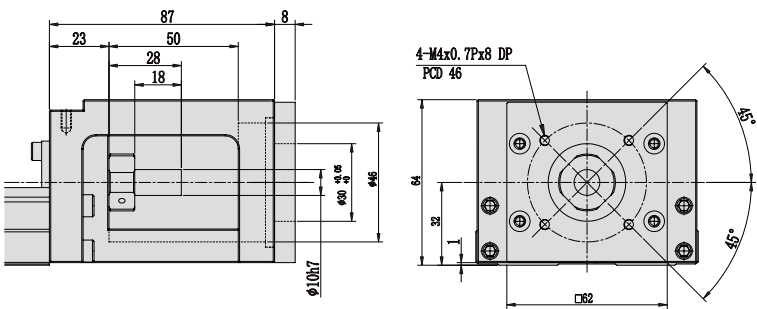
电机座H0 Motor seat H0



电机连接法兰F1(松下 200W/400W) Connecting flange F1 of motor (Panasonic 200W/400W)

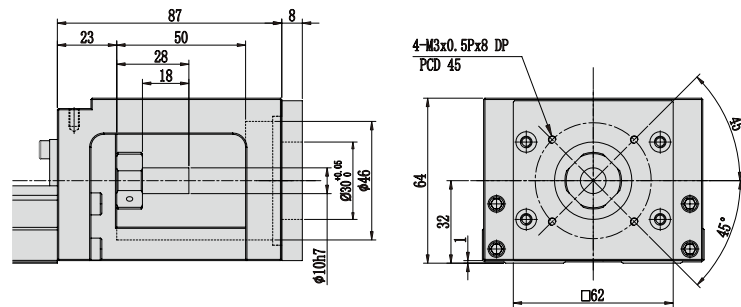


电机连接法兰F2(台达/安川/汇川/三菱/富士 100W) Connecting flange F2 of motor (Delta/Yaskawa/Inovance/Mitsubishi/Fuji 100W)

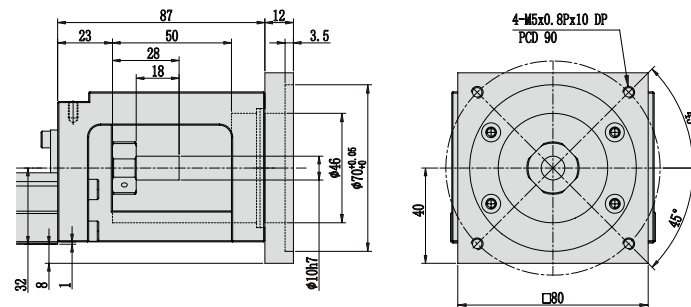


电机座与电机连接法兰

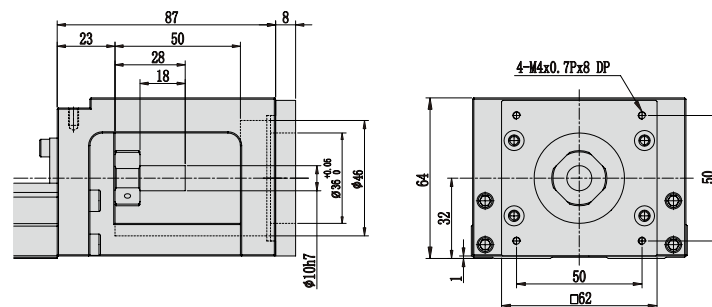
86 电机连接法兰F3(松下 50W/100W) Connecting flange F3 of motor (Panasonic 50W/100W)



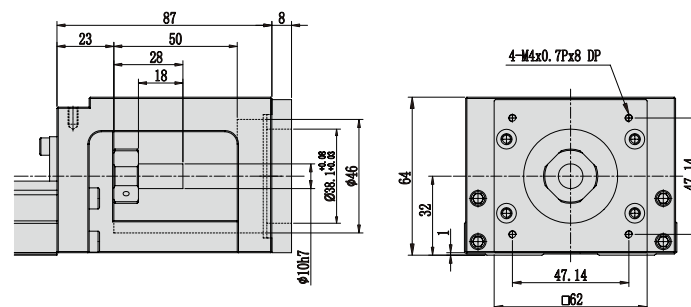
电机连接法兰F4(松下 750W) Connecting flange F4 of motor (Panasonic 750W)



86 电机连接法兰F5(60步进) Connecting flange F5 of motor (60 Stepper)



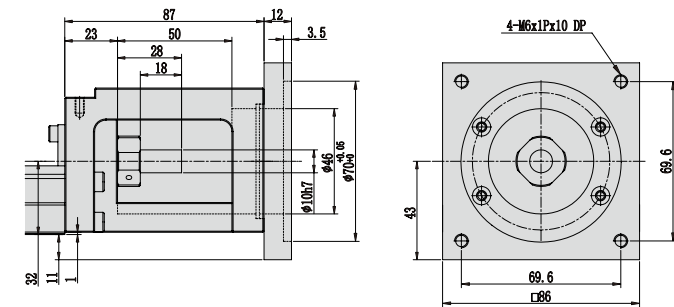
电机连接法兰F6(57步进) Connecting flange F6 of motor (57 Stepper)



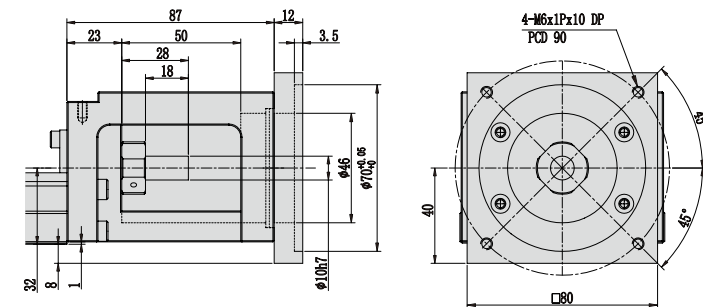
电机座与电机连接法兰

Motor seat and motor connecting flange

86 电机连接法兰F7(86步进) Connecting flange F7 of motor (86 Stepper)



电机连接法兰F8(台达/安川/汇川/三菱/富士 750W) Connecting flange F8 of motor (Delta/Yaskawa/Inovance/Mitsubishi/Fuji 750W)





此图仅供参考，出货规格详见尺寸图面
This drawing is for reference only, Please refer to the size drawing for shipment specifications.

最大行程
Max Stroke 1300mm

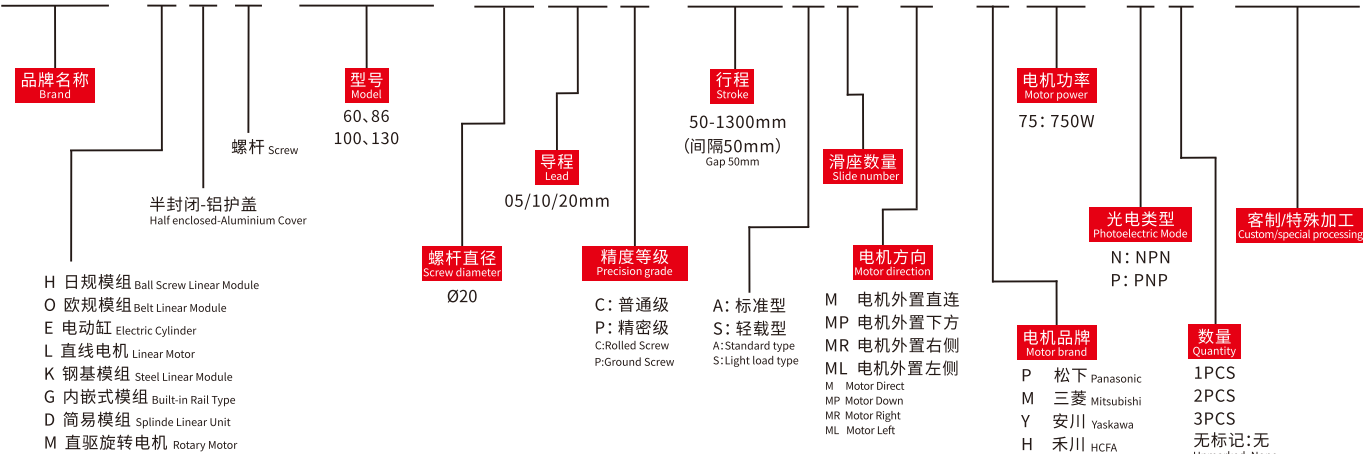
最高速度
Max Speed 1000mm/s

马达容量
Motor Output 750W

滚珠螺杆
Ball Screw Ø20 mm

型号表达方式 Ordering method

TPA-KNR-100E-2010C-L50A1-M-M75-N3-F001

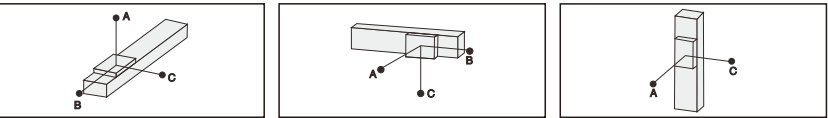


产品性能参数如下 Product performance parameters are as follows

规格 Spec	重复定位精度 (mm)	Repeated positioning accuracy (mm)	±0.005		
	螺杆导程 (mm)	Ball screw lead (mm)	5	10	20
	最高速度 (mm/s)	Maximum speed (mm/s)	250	500	1000
	最大可搬重量 Maximum Payload	水平使用 (kg)	95	95	65
		垂直使用 (kg)	40	32	20
	定格推力 (N)	Rated thrust (N)	2563	1281	640
部品 Parts	标准行程 (mm)	Stroke pitch (mm)	50~1300mm/50 间隔 50 mm Pitch		
	AC伺服马达容量 (W)	AC servo motor output (w)	750		
	滚珠螺杆外径 (mm)	Ball screw Ø (mm)	C7Ø20		
	联轴器 (mm)	Coupling(mm)	12X19		
原点感应器 Original Sense		外挂 Outside	TPA-N674-WR		

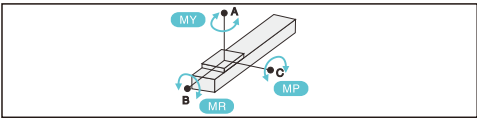
※1 行程超过850mm时,会产生螺杆偏摆,此时请将速度调降。
※1 When the stroke exceeds 850mm, the screw deflection will occur. Please reduce the speed at this time.
※2 马达加减速设定0.2秒。
※2 Acceleration and deceleration value is set 0.2 second.

容许负载力矩表 N.m Allowable overhang



(単位Unit:mm)					(単位Unit:mm)					(単位Unit:mm)			
水平安装 Horizontal installation		A	B	C	侧面安装 Side mounting		A	B	C	垂直安装 Vertical installation		A	C
导程 5 Lead	55kg	2523	272	318	导程 5 Lead	46kg	294	250	2330	导程 5 Lead	16kg	1094	1094
	70kg	1935	205	238		59kg	225	192	1820		24kg	728	728
	95kg	1454	145	170		80kg	170	145	1443		50kg	436	436
导程 10 Lead	44kg	1490	264	290	导程 10 Lead	37kg	318	287	1632	导程 10 Lead	12kg	1294	1294
	56kg	1127	193	137		47kg	230	208	1212		20kg	776	776
	76kg	780	128	142		64kg	142	142	860		40kg	485	485
导程 20 Lead	26kg	1300	426	419	导程 20 Lead	22kg	494	502	1530	导程 20 Lead	8kg	1537	1537
	33kg	803	258	255		28kg	284	288	891		11kg	1100	1100
	45kg	512	160	159		38kg	159	184	524		20kg	615	615

静态容许负载惯量 Static loading moment



MY	886
MP	826
MR	1500

*力矩表所表示的数据,代表重心。
The torque value in the chart indicate the center of gravity.
*符合型录规范的正常试用下,保证寿命为10000公里。
Operation life is 10,000km when the product is using under the specified conditions.
*倒吊使用无法套用标准规范,如有需求请咨询我司业务。
The standard specification cannot be applied to the use of inverted crane. Please consult our business if necessary.

搭配伺服马达一览表 Suitable motor brand

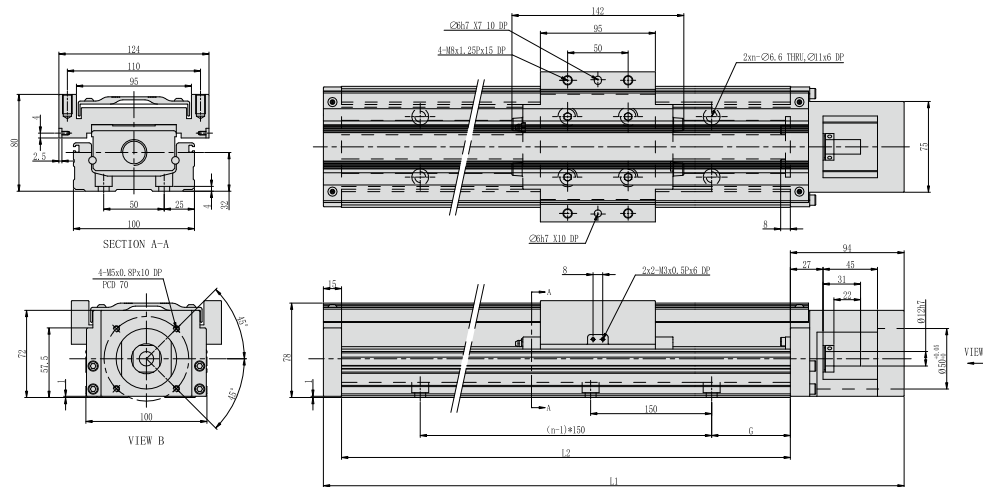
品牌 Brand	马达记号 Mark	刹车有无 Brake	马达容量 Motor capacity	电源电压 AC-Voltage	伺服马达型号 Servo motor model	驱动器型号 Driver Model
三菱 Mitsubishi	M	无刹车(水平式样) No brake (horizontal type)	750	220	HG-KR73	MR-J4-T0A
		有刹车(垂直式样) With brakes (vertical type)	750	220	HG-KR73B	MR-J4-T0A
松下 Panasonic	P	无刹车(水平式样) No brake (horizontal type)	750	220	MHMD082G1U	MADHT3520
		有刹车(垂直式样) With brakes (vertical type)	750	220	MHMD082G1V	MADHT3520
台达 Delta	T	无刹车(水平式样) No brake (horizontal type)	750	220	ECMA-C20807ES	ASD-B20721-B
		有刹车(垂直式样) With brakes (vertical type)	750	220	ECMA-C20807FS	ASD-B20721-B



KNR 外形尺寸(含护盖) KNR Overall dimensions(Cover included)

M KNR-100E 电机外置直连(含护盖) KNR-100E Motor external direct connection (Cover included)

单位:Unit: mm

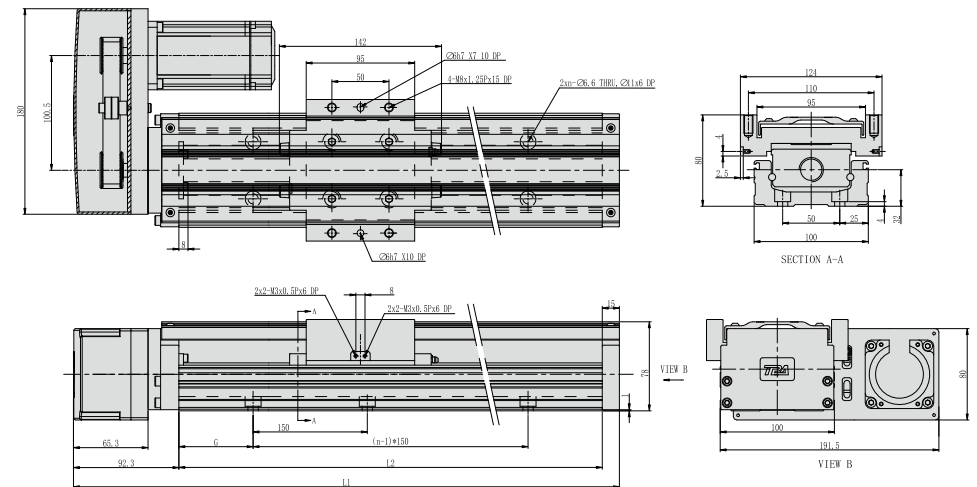


有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L2	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480
L1	339	389	439	489	539	589	639	689	739	789	839	889	939	989	1039	1089	1139	1189	1239	1289	1339	1389	1439	1489	1539	1589
G	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65
n	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10	10
KG	5.8	6.2	6.6	7	7.4	7.8	8.2	8.6	9	9.4	9.8	10.2	10.6	11	11.4	11.8	12.2	12.6	13	13.4	13.8	14.2	14.6	15	15.4	15.8

KNR 外形尺寸(含护盖) KNR Overall dimensions(Cover included)

MR KNR-100E 电机外置右侧(含护盖) KNR-100E Motor external right side (Cover included)

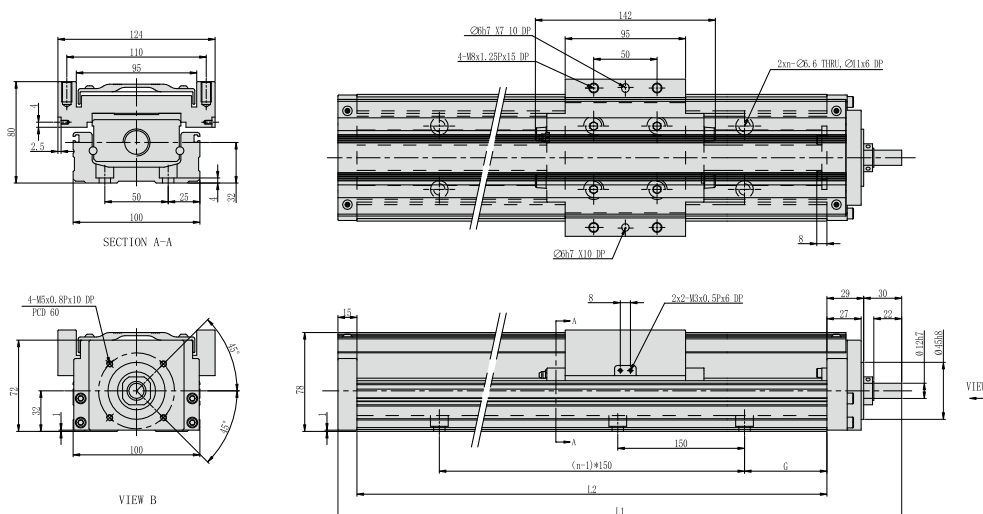
单位:Unit: mm



有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L2	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480
L1	337	387	437	487	537	587	637	687	737	787	837	887	937	987	1037	1087	1137	1187	1237	1287	1337	1387	1437	1487	1537	1587
G	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65
n	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10	10
KG	5.8	6.2	6.6	7	7.4	7.8	8.2	8.6	9	9.4	9.8	10.2	10.6	11	11.4	11.8	12.2	12.6	13	13.4	13.8	14.2	14.6	15	15.4	15.8

H0 KNR-100E-H0(含护盖) KNR-100E-H0 (including cover)

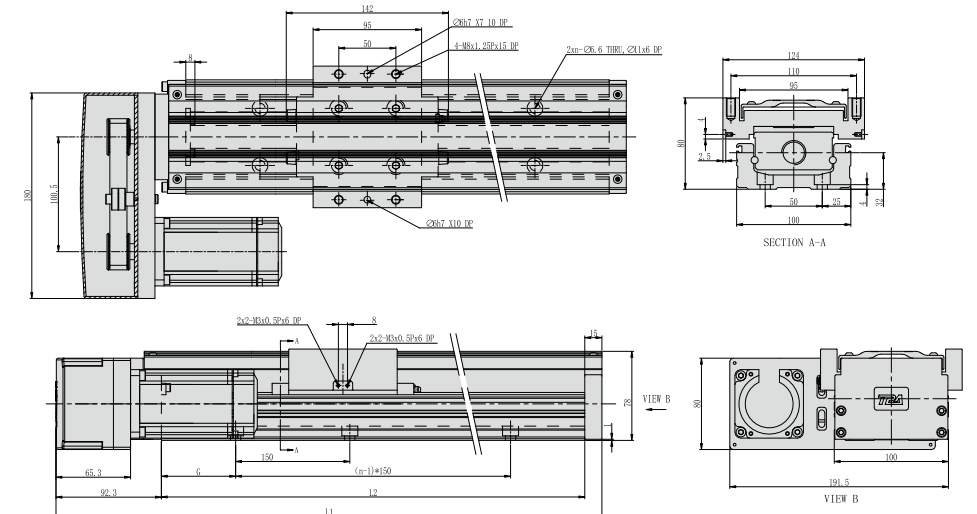
单位:Unit: mm



有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L2	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480
L1	304	354	404	454	504	554	604	654	704	754	804	854	904	954	1004	1054	1104	1154	1204	1254	1304	1354	1404	1454	1504	1554
G	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65
n	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10	10
KG	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.3	15.7

ML KNR-100E 电机外置左侧(含护盖) KNR-100E Motor external left side (Cover included)

单位:Unit: mm

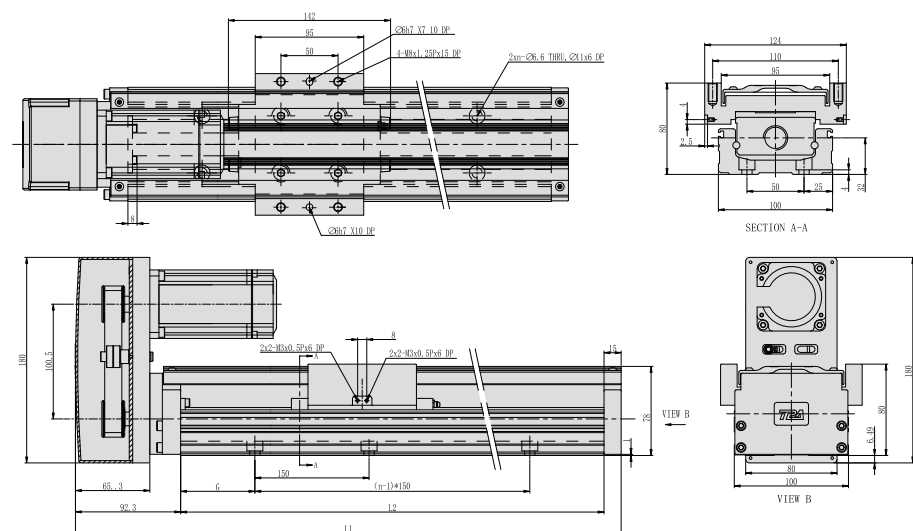


有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L2	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480
L1	337	387	437	487	537	587	637	687	737	787	837	887	937	987	1037	1087	1137	1187	1237	1287	1337	1387	1437	1487	1537	1587
G	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65
n	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10	10
KG	5.8	6.2	6.6	7	7.4	7.8	8.2	8.6	9	9.4	9.8	10.2	10.6	11	11.4	11.8	12.2	12.6	13	13.4	13.8	14.2	14.6	15	15.4	15.8

KNR 外形尺寸(含护盖) KNR Overall dimensions(Cover included)

MU KNR-100E 电机外置上方(含护盖) KNR-100E Motor external above (Cover included)

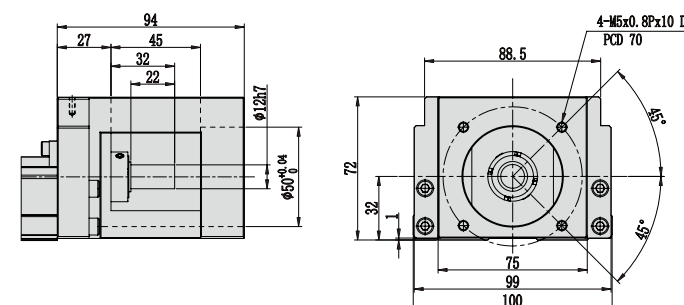
单位:Unit: mm



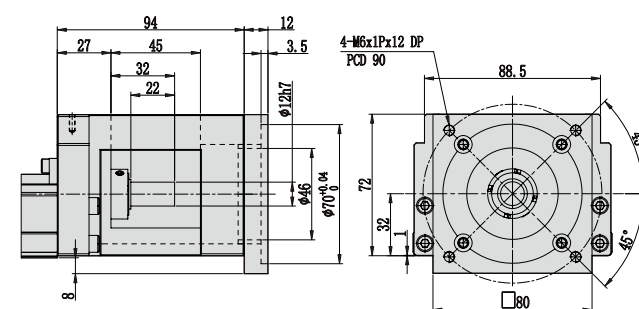
有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L2	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480
L1	337	387	437	487	537	587	637	687	737	787	837	887	937	987	1037	1087	1137	1187	1237	1287	1337	1387	1437	1487	1537	1587
G	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65
n	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	10	10	10	10
KG	5.8	6.2	6.6	7	7.4	7.8	8.2	8.6	9	9.4	9.8	10.2	10.6	11	11.4	11.8	12.2	12.6	13	13.4	13.8	14.2	14.6	15	15.4	15.8

电机座与电机连接法兰 Motor seat and motor connecting flange

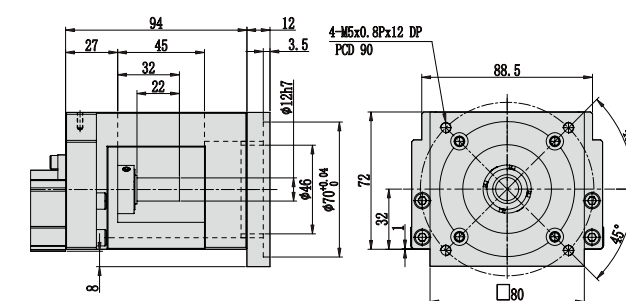
100 电机座F0(台达/安川/汇川/三菱/富士 200W/400W) Motor seat F0 (Delta/Yaskawa/Inovance/Mitsubishi/Fuji 200W/400W)



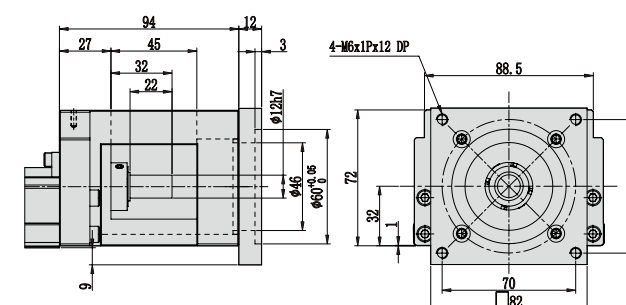
电机座F1(台达/安川/汇川/三菱/富士 750W) Motor seat F1 (Delta/Yaskawa/Inovance/Mitsubishi/Fuji 750W)



100 电机座F2(松下 750W) Motor seat F2 (Panasonic 750W)

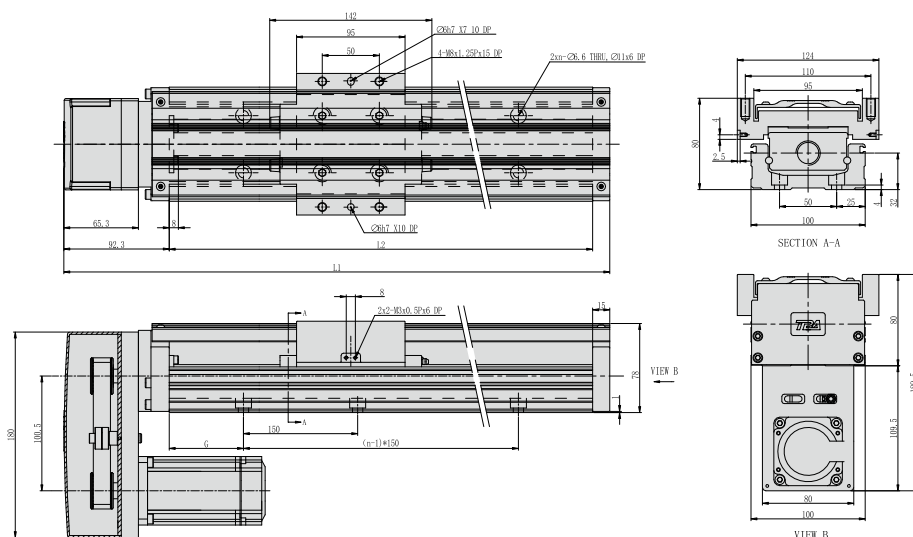


电机座F3 Motor seat F3



MP KNR-100E 电机外置下方(含护盖) KNR-100E Motor external under below (Cover included)

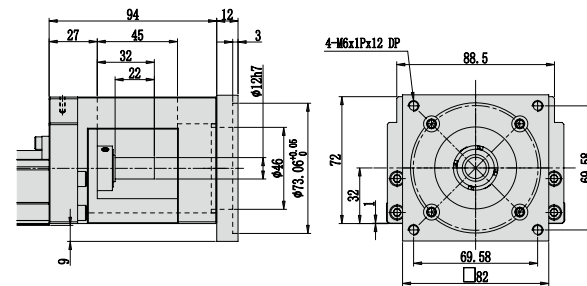
单位:Unit: mm



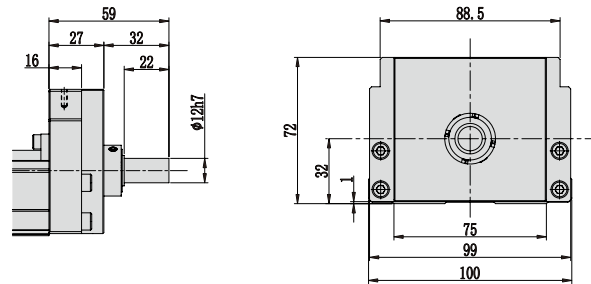
有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L2	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480
L1	337	387	437	487	537	587	637	687	737	787	837	887	937	987	1037	1087	1137	1187	1237	1287	1337	1387	1437	1487	1537	1587
G	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65	15	40	65
n	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	10	10	10	10
KG	5.8	6.2	6.6	7	7.4	7.8	8.2	8.6	9	9.4	9.8	10.2	10.6	11	11.4	11.8	12.2	12.6	13	13.4	13.8	14.2	14.6	15	15.4	15.8

电机座与电机连接法兰

100 电机座F4(86步进) Motor seat F4(86 Stepper)



电机座H0 Motor seat H0



MEMO



重复精度
Repeat Accuracy
±0.005 mm

此图仅供参考，出货规格详见尺寸图面
This drawing is for reference only, Please refer to the size drawing for shipment specifications.

最大行程
Max Stroke 1600mm

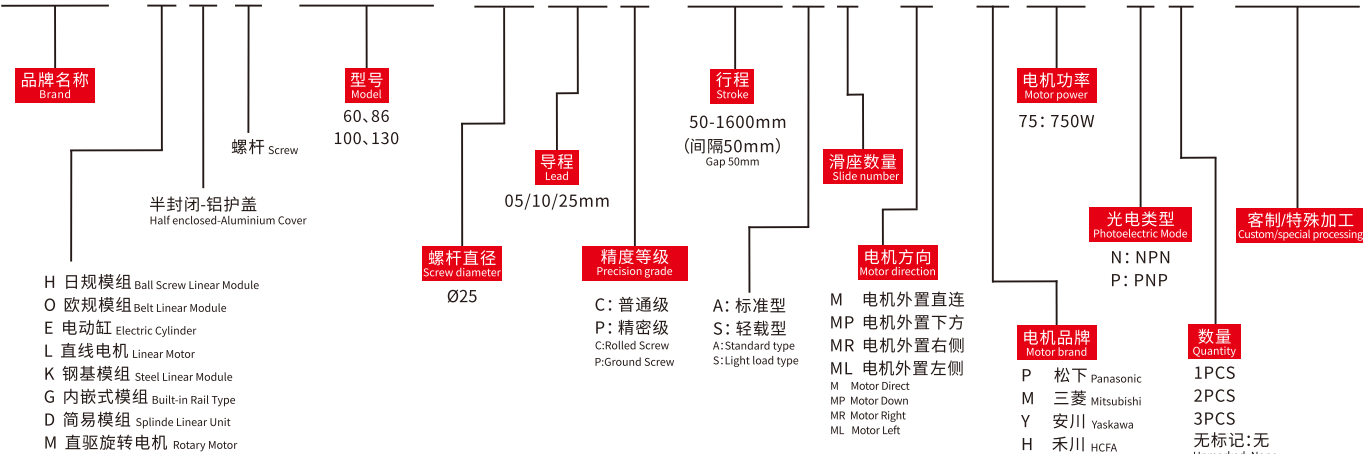
最高速度
Max Speed 1250mm/s

马达容量
Motor Output 750W

滚珠螺杆
Ball Screw Ø25 mm

型号表达方式 Ordering method

TPA-KNR-130E-2510C-L50A1-M-M75-N3-F001



产品性能参数如下 Product performance parameters are as follows

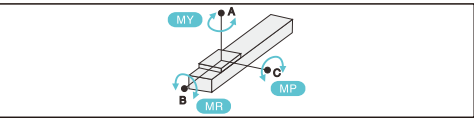
规格 Spec	重复定位精度 (mm) Repeated positioning accuracy (mm)	± 0.005		
	螺杆导程 (mm) Ball screw lead (mm)	5	10	25
	最高速度 (mm/s) Maximum speed (mm/s)	250	500	1250
	最大可搬重量 Maximum Payload	水平使用 (kg) Horizontal (kg)	120	83
		垂直使用 (kg) Vertical(kg)	50	25
	定格推力 (N) Rated thrust (N)	2563	1281	640
部品 Parts	标准行程 (mm) Stroke pitch (mm)	50~1600mm/50 间隔 50 mm Pitch		
	AC伺服马达容量 (W) AC servo motor output (w)	750		
	滚珠螺杆外径 (mm) Ball screw Ø (mm)	C7Ø25		
	联轴器 (mm) Coupling(mm)	15X19		
原点感应器 Original Sense		外挂 Outside	TPA-N674-WR	

※1 行程超过850mm时,会产生螺杆偏摆,此时请将速度调降。
※1 When the stroke exceeds 850mm, the screw deflection will occur. Please reduce the speed at this time.
※2 马达加减速设定0.2秒。
※2 Acceleration and deceleration value is set 0.2 second.

容许负载力矩表 N.m Allowable overhang

(单位Unit:mm)				(单位Unit:mm)				(单位Unit:mm)			
水平安装 Horizontal installation				侧面安装 Side mounting				垂直安装 Vertical installation			
导程 Lead	A	B	C	导程 Lead	A	B	C	导程 Lead	A	C	
5	70kg	3235	349	408	75kg	377	322	2988	20kg	1368	1368
	90kg	2482	263	306	95kg	288	246	2333	30kg	911	911
	120kg	1861	187	218	120kg	218	187	1850	50kg	546	546
10	65kg	1911	338	373	60kg	408	368	2092	15kg	1618	1618
	85kg	1445	248	276	80kg	296	266	1554	25kg	970	970
	120kg	1000	164	182	120kg	182	182	1102	40kg	607	607
25	35kg	1666	547	538	30kg	633	644	1961	10kg	1922	1922
	55kg	1030	331	328	50kg	365	369	1143	14kg	1377	1377
	83kg	654	206	204	83kg	230	231	656	25kg	769	769

静态容许负载惯量 Static loading moment



(单位Unit:N.m)	
MY	886
MP	826
MR	1500

*力矩表所表示的数据,代表重心。
The torque value in the chart indicate the center of gravity.
*符合型录规范的正常试用下,保证寿命为10000公里。
Operation life is 10,000km when the product is using under the specified conditions.
*倒吊使用无法套用标准规范,如有需求请咨询我司业务。
The standard specification cannot be applied to the use of inverted crane. Please consult our business if necessary.

搭配伺服马达一览表 Suitable motor brand

品牌 Brand	马达记号 Mark	刹车有无 Brake	马达容量 Motor capacity	电源电压 AC-Voltage	伺服马达型号 Servo motor model	驱动器型号 Driver Model
三菱 Mitsubishi	M	无刹车(水平式样) No brake (horizontal type)	750	220	HG-KR73	MR-J4-T0A
		有刹车(垂直式样) With brakes (vertical type)	750	220	HG-KR73B	MR-J4-T0A
松下 Panasonic	P	无刹车(水平式样) No brake (horizontal type)	750	220	MHMD082G1U	MADHT3520
		有刹车(垂直式样) With brakes (vertical type)	750	220	MHMD082G1V	MADHT3520
台达 Delta	T	无刹车(水平式样) No brake (horizontal type)	750	220	ECMA-C20807ES	ASD-B20721-B
		有刹车(垂直式样) With brakes (vertical type)	750	220	ECMA-C20807FS	ASD-B20721-B



KNR 外形尺寸(含护盖)
KNR Overall dimensions(Cover included)

M

KNR-130E 电机外置直连(含护盖) KNR-130E Motor external direct connection (Cover included)

单位:Unit: mm

SECTION A-A

VIEW B

有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600
L2	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780
L1	348	398	448	498	548	598	648	698	748	798	848	898	948	998	1048	1098	1148	1198	1248	1298	1348	1398	1448	1498	1548	1598	1648	1698	1748	1798	1848	1898
G	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65
n	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10	10	11	11	11	12	12
KG	6.98	7.48	7.98	8.48	8.98	9.48	9.98	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22	22.5

KNR 外形尺寸(含护盖)
KNR Overall dimensions(Cover included)

MR

KNR-130E 电机外置右侧(含护盖) KNR-130E Motor external right side (Cover included)

单位:Unit: mm

SECTION A-A

VIEW B

有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600
L2	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780
L1	348	398	448	498	548	598	648	698	748	798	848	898	948	998	1048	1098	1148	1198	1248	1298	1348	1398	1448	1498	1548	1598	1648	1698	1748	1798	1848	1898
G	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65
n	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10	10	11	11	11	12	12
KG	6.98	7.48	7.98	8.48	8.98	9.48	9.98	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22	22.5

H0

KNR-130E-H0(含护盖) KNR-130E-H0 (including cover)

单位:Unit: mm

SECTION A-A

VIEW B

有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600
L2	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780
L1	315	365	415	465	515	565	615	665	715	765	815	865	915	965	1015	1065	1115	1165	1215	1265	1315	1365	1415	1465	1515	1565	1615	1665	1715	1765	1815	1865
G	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65
n	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10	10	11	11	11	12	12
KG	6.88	7.38	7.88	8.38	8.88	9.38	9.88	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4

ML

KNR-130E 电机外置左侧(含护盖) KNR-130E Motor external left side (Cover included)

单位:Unit: mm

SECTION A-A

VIEW B

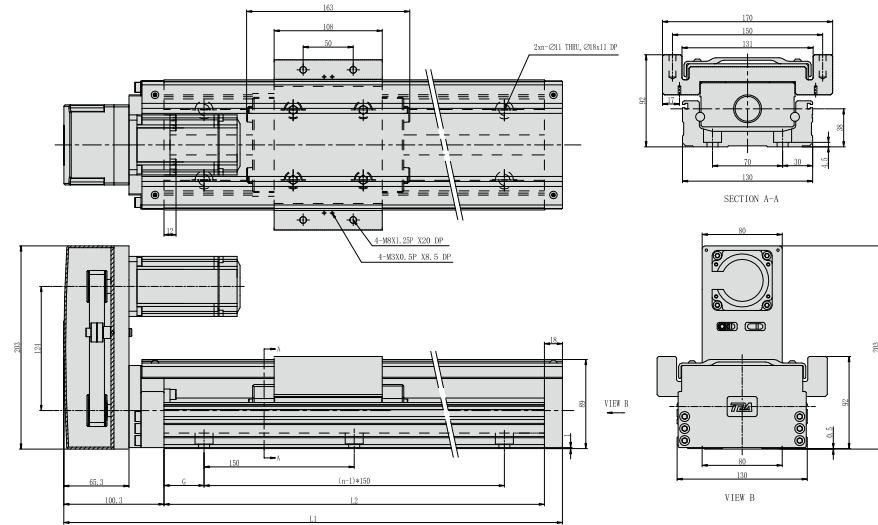
有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600
L2	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780
L1	348	398	448	498	548	598	648	698	748	798	848	898	948	998	1048	1098	1148	1198	1248	1298	1348	1398	1448	1498	1548	1598	1648	1698	1748	1798	1848	1898
G	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65
n	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10	10	11	11	11	12	12
KG	6.98	7.48	7.98	8.48	8.98	9.48	9.98	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22	22.5

KNR 外形尺寸(含护盖) KNR Overall dimensions(Cover included)

电机座与电机连接法兰

MU KNR-130E 电机外置上方(含护盖) KNR-130E Motor external above (Cover included)

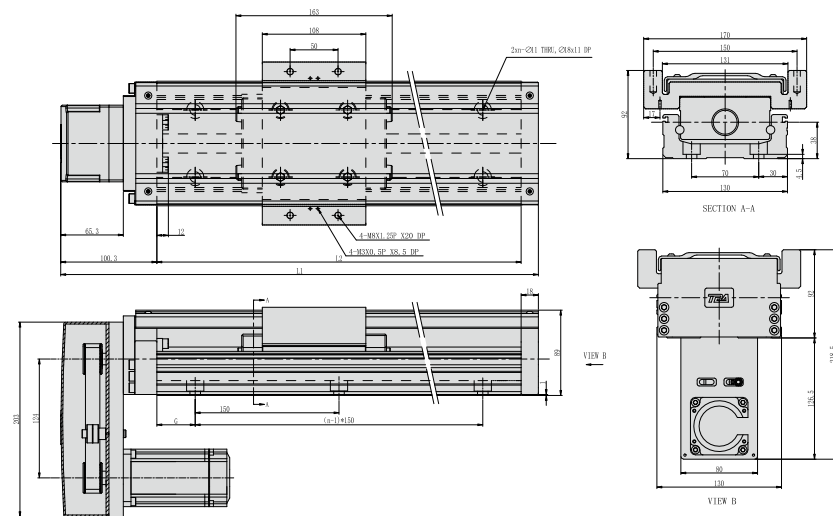
单位:Unit: mm



有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600
L2	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780
L1	348	398	448	498	548	598	648	698	748	798	848	898	948	998	1048	1098	1148	1198	1248	1298	1348	1398	1448	1498	1548	1598	1648	1698	1748	1798	1848	1898
G	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65
n	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	7	7	7	8	8	8	9	9	9	10	10	10	11	11	11	12	12
KG	6.98	7.48	7.98	8.48	8.98	9.48	9.98	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22	22.5

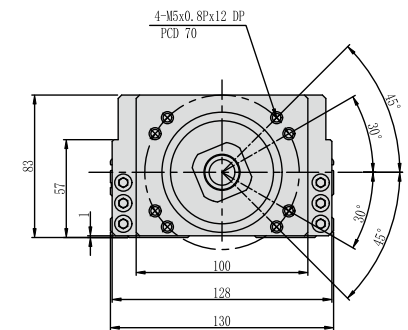
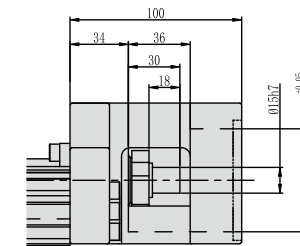
MP KNR-130E 电机外置下方(含护盖) KNR-130E Motor external under below (Cover included)

单位:Unit: mm

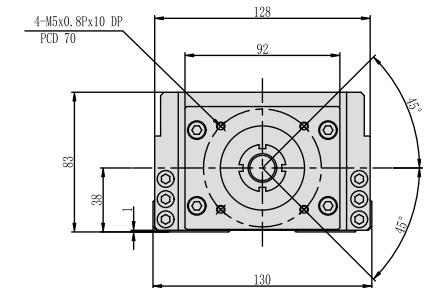
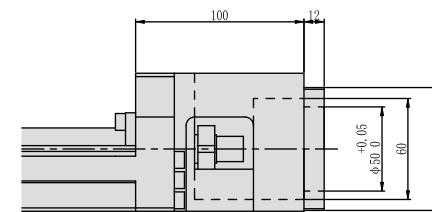


有效行程 Valid Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600
L2	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430	1480	1530	1580	1630	1680	1730	1780
L1	348	398	448	498	548	598	648	698	748	798	848	898	948	998	1048	1098	1148	1198	1248	1298	1348	1398	1448	1498	1548	1598	1648	1698	1748	1798	1848	1898
G	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65	90	40	65
n	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	7	7	8	8	8	9	9	9	9	10	10	10	11	11	11	12	12
KG	6.98	7.48	7.98	8.48	8.98	9.48	9.98	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22	22.5

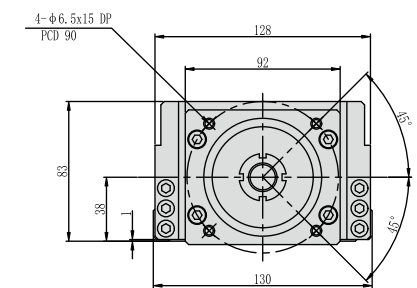
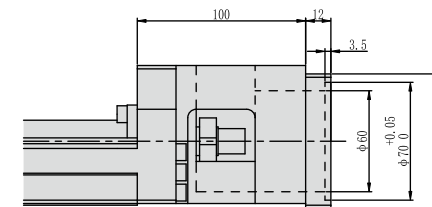
130 电机座F0 Motor seat F0



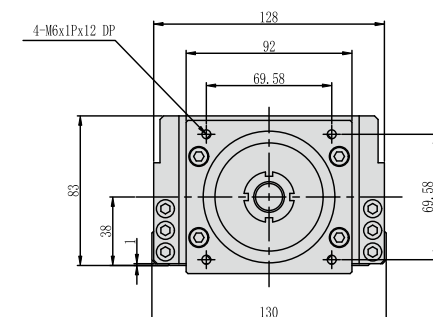
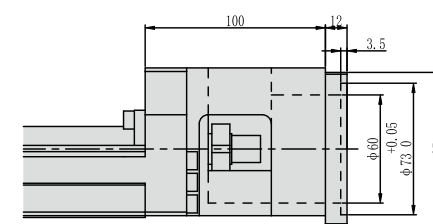
电机座F1 Motor seat F1



130 电机座F2 Motor seat F2



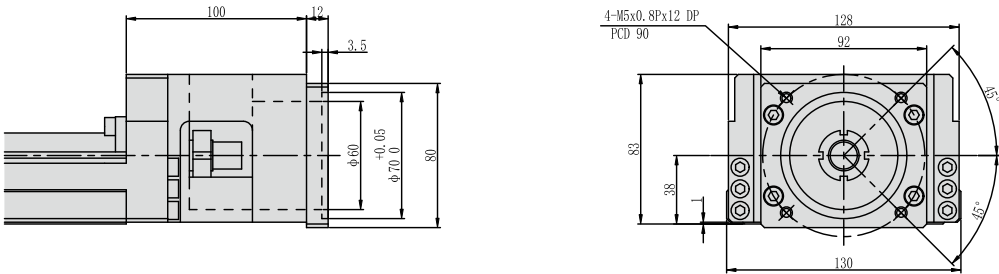
电机座F3 Motor seat F3



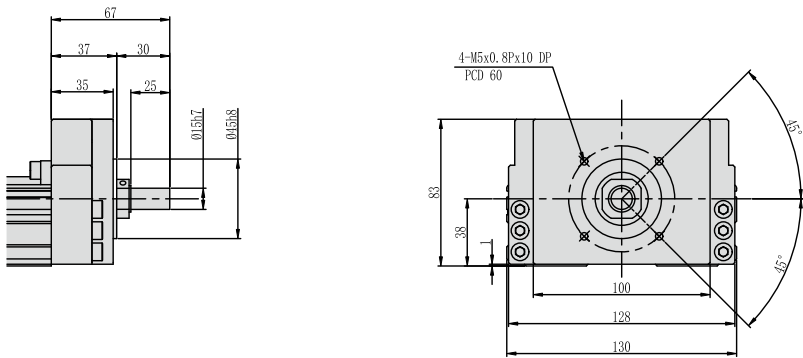


电机座与电机连接法兰
Motor seat and motor connecting flange

130 电机座F4 Motor seat F4



电机座H0 Motor seat H0



MEMO

KSR

KNR-E

参考资料
Reference
data