



此图仅供参考，出货规格详见尺寸图面

The picture is just for the reference. Please check the the actual dimensions on the drawing.

最大行程
Maximum Stroke 1050mm

最高速度
Maximum Speed 1600mm/s

电机容量
Motor Output 200W

滚珠丝杆
Ball Screw $\phi 16\text{mm}$

直线滑轨
Linear Guide 12X7.5-2支

型号表示方式

Ordering Method

RTH14 - 05 - 100 - E - M20B^{*} - C 4 - 01

本体型号
Model

行程 Stroke

100~1050mm
(间隔50)Interval

特注式样
Special Order No.

丝杆等级
Screw Grade

无	转造级 Rolled Ball Screws	05 5mm
G	研磨级 Grind Ball Screws	10 10mm
		20 20mm
		32 32mm

丝杆导程
Ball Screw Lead

电机位置
Motor Position

E	电机外露 Motor Exposed
B	电机内置 Motor Built-in
L	电机左折 Motor On Left Side
R	电机右折 Motor On Right Side
M	电机下折 Motor On Lower Side

电机厂牌、功率
Motor Brand, Power Output

M	三菱(标准) Mitsubishi	20	200W	B
P	松下(标准) Panasonic			
Y	安川(标准) Yaskawa			
T	台达(标准) Delta			

^{*}若无刹车则B不表示
If There Is No Brake, B Does Not Indicate

原点感应器
Origin Sensor

内置型 In Side

A	电机侧 Motor Side
B	反电机侧 Opposite Motor Side

外挂型 Out Side

C	电机侧 Motor Side
D	反电机侧 Opposite Motor Side

无 NO SENSOR

E 无 NO SENSOR

限位传感器及数量
Limit Sensor & Quantity

内置型 In Side

1	1只 1pc
2	2只 2pc

外挂型 Out Side

3	1只 1pc
4	2只 2pc

无 NO SENSOR

5 无 NO SENSOR

基本式样 Specification

性能 Performance	位置重复精度 Repeatability (mm)	± 0.01			
	丝杆导程 Ball Screw Lead (mm)	5	10	20	32
	最高速度 Maximum Speed (mm/s)	250	500	1000	1600
	最大可搬重量 Maximum Payload	水平使用kg Horizontal (kg)	95	75	35
		垂直使用kg Vertical (kg)	27	18	7
	定格推力 Rated Thrust (N)	683	341	174	107
部品 Parts	标准行程 Stroke Pitch (mm)	100~1050mm/50间隔 Interval			
	AC伺服电机容量 AC Servo Motor Output (W)	200			
	滚珠丝杆外径 Ball Screw ϕ (mm)	C7 ϕ 16			
	高刚性直线滑轨 High Rigidity Linear Guide (mm)	W15xH12.5			
	联轴器 Coupling (mm)	$\phi 10$ - $\phi 14$			
	原点及限位感应器* Origin & Limit Sensor	外挂 Outside	EE-SX672(NPN)		
		内置 Built-in	EE-SX674(NPN)		

*1. 有关传感器另外的选型, 如有需求请洽询我司业务。

*1. For additional selection of sensors, please contact our business if you have any requirements.

*行程超过750时, 会产生丝杆偏摆, 此时请将速度调降。

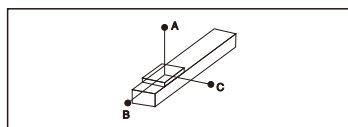
*When the stroke is over 750 mm, the run-out of the ballscrew will occur.
We recommend to low down the working speed under this circumstances.

*电机加减速设定0.2秒。

*Acceleration and deceleration value is set 0.2 second.

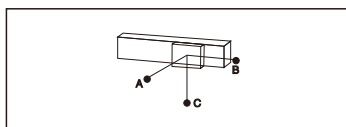
容许负载悬矩表

Allowable Overhang



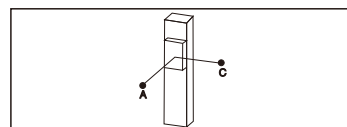
(单位: mm) (Unit: mm)

水平安装 Horizontal Installation		A	B	C
导程 5 Lead	60kg	2515	242	232
	80kg	1811	172	164
	95kg	1537	138	133
导程 10 Lead	30kg	2727	470	430
	50kg	1577	266	242
	75kg	1004	164	150
导程 20 Lead	10kg	2304	1222	1028
	22kg	1443	540	451
	35kg	1005	324	271
导程 32 Lead	10kg	1555	840	623
	15kg	1033	545	405



(单位: mm) (Unit: mm)

墙面安装 Wall Installation		A	B	C
导程 5 Lead	55kg	257	269	2883
	75kg	178	186	2000
	95kg	133	138	1537
导程 10 Lead	35kg	363	395	2368
	55kg	218	238	1445
	75kg	150	164	1004
导程 20 Lead	12kg	854	1019	2552
	20kg	500	596	1588
	35kg	271	324	1005
导程 32 Lead	8kg	787	1060	1980
	15kg	405	545	1033

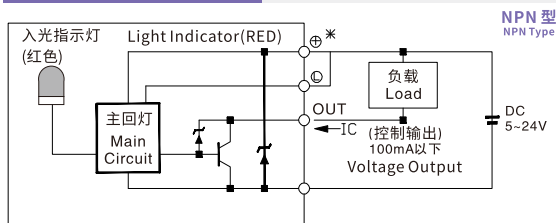


(单位: mm) (Unit: mm)

垂直安装 Vertical Installation		A	C
导程 5 Lead	15kg	1118	1118
	22kg	770	770
	27kg	626	626
导程 10 Lead	10kg	1500	1500
	14kg	1072	1072
	18kg	833	833
导程 20 Lead	4kg	2980	2980
	7kg	1700	1700

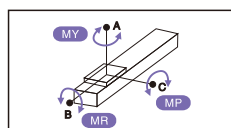
感应器接线图<原点及限位>

Sensor Wiring Diagram<Origin And Limit>



静态容许负载惯量

Static Allowable Load Inertia



水平使用时 Horizontal Use	(单位: mm) (Unit: mm)
MY	551(N.m)
MP	552(N.m)
MR	485(N.m)

*悬矩表所表示的数据, 代表重心。

*The torque value in the chart indicate the center of gravity.

*符合型号规范的正常使用下,

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,

如有需求请洽询我司业务。

*Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

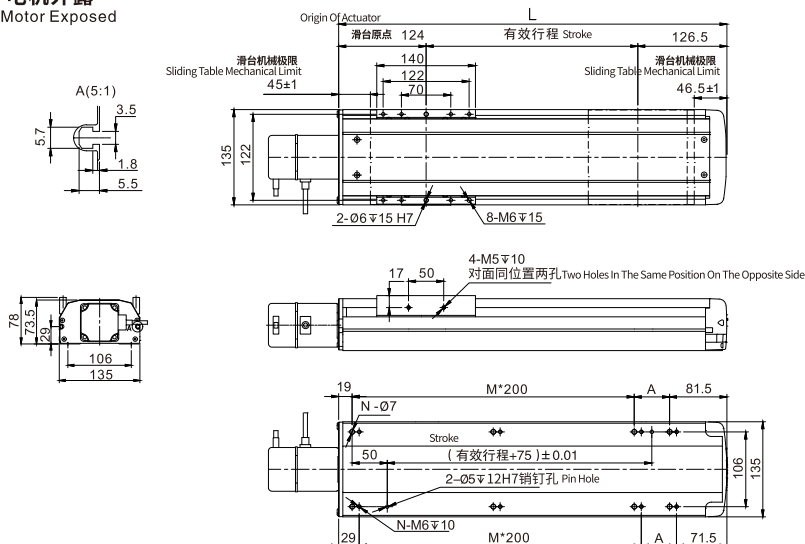
RTH14 Series

单轴/1-axis

电机外露/电机内置
Motor Exposed/Motor Built-in

E 电机外露 Motor Exposed

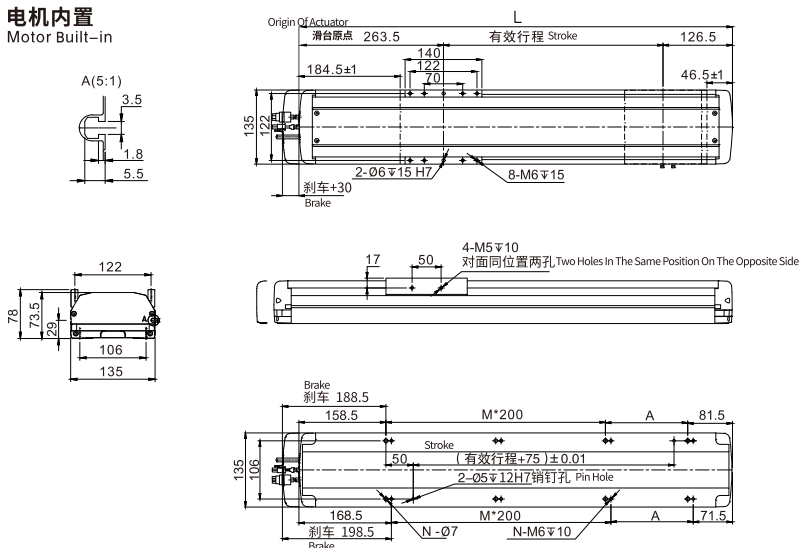
(单位Unit: N.m)



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	350.5	400.5	450.5	500.5	550.5	600.5	650.5	700.5	750.5	800.5	850.5	900.5	950.5	1000.5	1050.5	1100.5	1150.5	1200.5	1250.5	1300.5
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
KG	9.3	9.85	10.4	10.95	11.5	12.05	12.6	13.15	13.7	14.25	14.8	15.35	15.9	16.45	17	17.55	18.1	18.65	19.2	19.75

B 电机内置 Motor Built-in

(单位Unit: N.m)



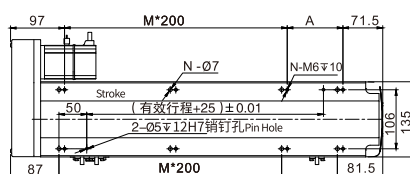
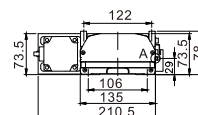
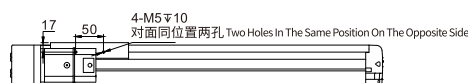
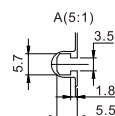
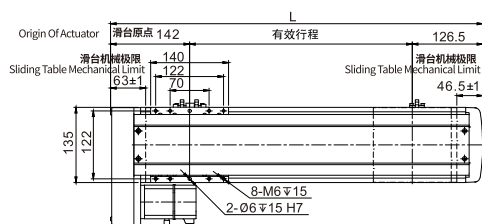
有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240	1290	1340	1390	1440
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
KG	10.06	10.62	11.18	11.74	12.3	12.86	13.42	13.98	14.54	15.1	15.66	16.22	16.78	17.34	17.9	18.46	19.02	19.58	20.14	20.7

电机左折/电机右折

Motor On Left Side/Motor On Right Side

L 电机左折 Motor On Left Side

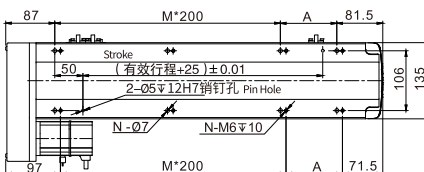
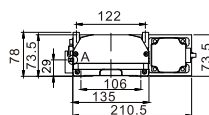
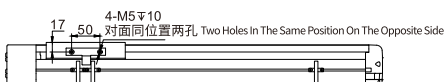
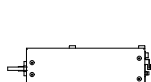
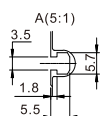
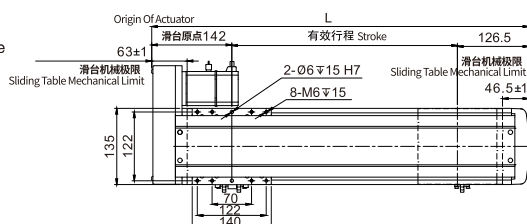
(单位Unit: N.m)



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5	1318.5
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
KG	9.94	10.48	11.02	11.56	12.1	12.64	13.18	13.72	14.26	14.8	15.34	15.88	16.42	16.96	17.5	18.04	18.58	19.12	19.66	20.2

R 电机右折 Motor On Right Side

(单位Unit: N.m)

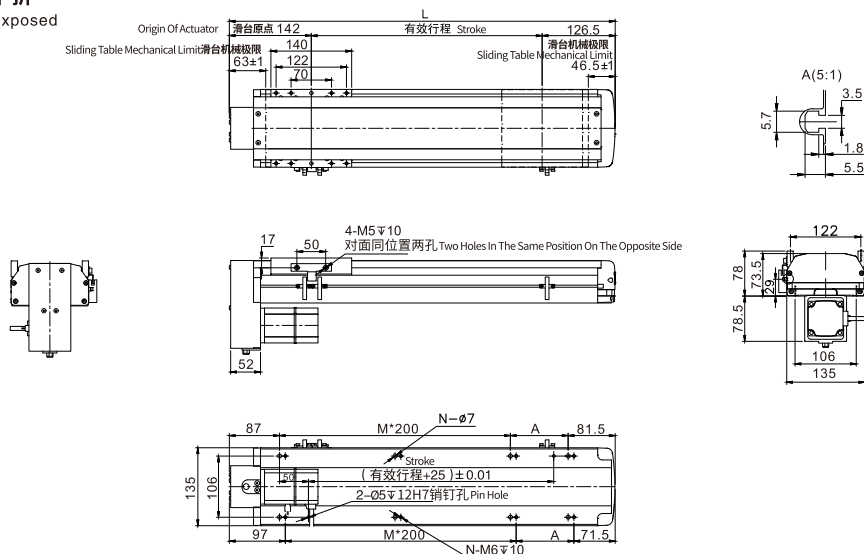


有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5	1318.5
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
KG	9.94	10.48	11.02	11.56	12.1	12.64	13.18	13.72	14.26	14.8	15.34	15.88	16.42	16.96	17.5	18.04	18.58	19.12	19.66	20.2



电机下折 Motor Exposed

(单位Unit: N.m)



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5	1318.5
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
KG	9.94	10.48	11.02	11.56	12.1	12.64	13.18	13.72	14.26	14.8	15.34	15.88	16.42	16.96	17.5	18.04	18.58	19.12	19.66	20.2