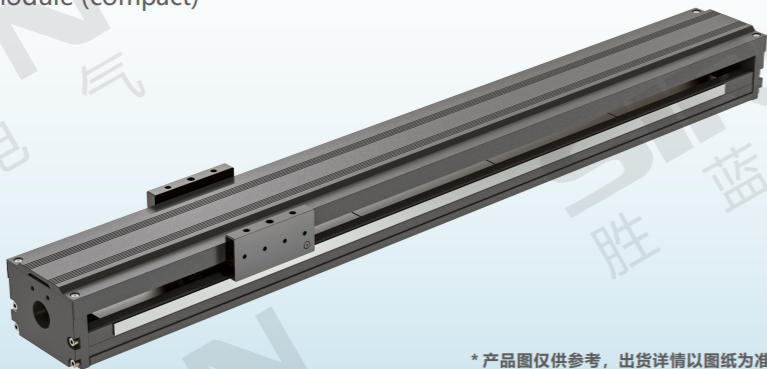


直线电机模组(紧凑型) M370-86系列

直線電気モジュール (小型のもの)
Linear electrical module (compact)

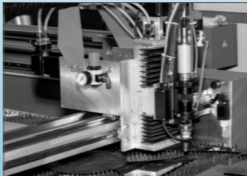


* 产品图仅供参考，出货详情以图纸为准
* The product drawing is only for reference, and the shipment details are subject to the drawing

模组底座宽度 Module base width	112mm
防尘形式 Dust way	护盖、风琴罩 Fender, organ hood
有效行程 Effective stroke	90 ~ 910mm
编码器 The encoder	磁栅, 1μm The magnetic grid, 1μm

模组底座 Module base 112mm	最大行程 Maximum stroke 910mm	刚性高 High rigidity	结构紧凑 Compact structure
------------------------------	---------------------------------	----------------------	---------------------------

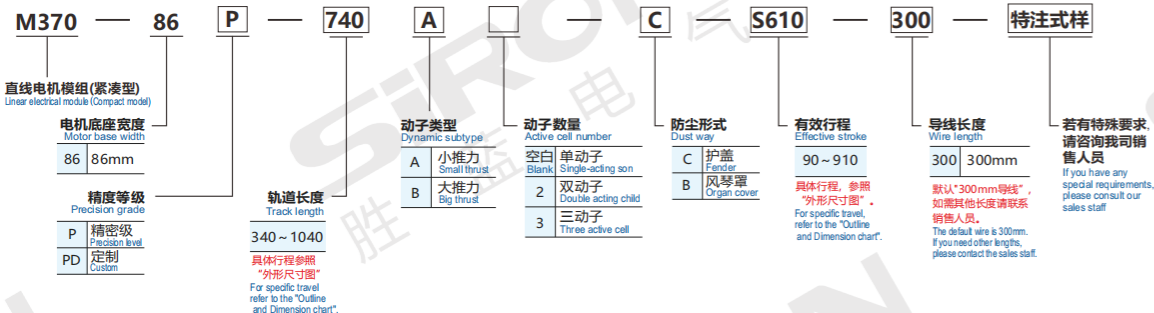
激光切割机上的应用
Application on laser cutting machine



离子切割机上的应用
Application on ion cutting machine



关于选型 About selection



选型举例: M370-86P-740A-C-S610-300 为: M370系列, 电机底座宽度86mm, 精密级, 轨道长度740mm, 小推力, 单动子, 带护盖, 有效行程610mm, 线长度300mm。
Selection example: M370-86P-740A-C-S610-300 is M370 series, motor base width 86mm, precision level, track length 740mm, small thrust, single actuator, with cover, effective stroke 610mm, line length 300mm.

注: 1、默认“编码器磁栅(1μm分辨率)”, 若有其他精度要求, 请咨询我司销售人员。 2、默认“精密级”, 如有其他要求, 请咨询我司销售人员。
3、如需光电开关, 请单独订购。

Note: 1. The default value is "encoder magnetic grid (1μm resolution)". If you have other precision requirements, please consult our sales staff. 2. the default "precision", if you have other requirements, please consult our sales staff. 3. If you need the photoelectric switch, please order it separately.

驱动器匹配表(选配) Driver Matching table (Optional)

电流3A/4A, 旋转伺服匹配功率400W/750W Current 3A/4A, rotary servo matching power 400W/750W

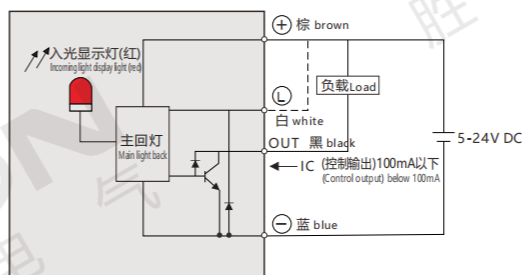
驱动器品牌 Brand of drive	400W (M370-86-A)		750W (M370-86-B)		配套编码器延长线缆 Supporting encoder extension cable	配套动力延长线缆 Supporting power extension cable
	驱动器型号(脉冲型) Driver Type (Pulse type)	驱动器型号(总线型) Driver Type (bus type)	驱动器型号(脉冲型) Driver Type (Pulse type)	驱动器型号(总线型) Driver Type (bus type)		
高创CDHD一代 High innovation CDHD generation	M370-(CDHD-0032AAP1)	M370-(CDHD-0032AEC2)	M370-(CDHD-4D52AAP1)	M370-CDHD-4D52AEC2	M370-(ALGC-B-线长)	M370-(AL-D05-线长) (编码器和动力延长线长度需一致) (encoder and power extension cable should be the same length)
高创经济款 High innovation economy section	M370-(CDHDE-4D52AAP1)	M370-(CDHDE-4D52AEB)	M370-(CDHDE-4D52AAP1)	M370-CDHDE-4D52AEB		
松下 Panasonic	M370-(MBDLN2SSL)	M370-(MBDLN25BL)	M370-(MCDLN35SL)	M370-MCDLN35BL		

注: 1、上表匹配驱动器仅供参考, 请根据实际情况咨询我司销售人员; 2、编码器和动力延长线长度需一致, 线缆长度默认3M, 需要其他线长请咨询我司销售人员;
3、M370-86 直线电机兼容市面上大多数品牌和型号的驱动器, 若客户指定其他品牌, 请咨询我司销售人员
Note: 1. The matching drive in the above table is for reference only, please consult our sales staff according to the actual situation;
2. The length of encoder and power extension cable should be the same. The default cable length is 3M.
3. M370-86 linear motor is compatible with most brands and models of drives on the market. If customers specify other brands, please consult our sales staff

电机规格参数 Motor specifications and parameters

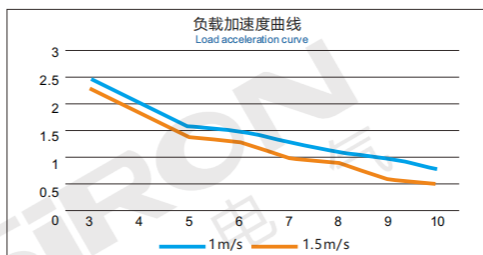
电机型号 Motor model	86-A系列	86-B系列
峰值推力 Peak thrust	154.0N	260.0N
持续推力 Continue to push	87.0N	120.0N
峰值电流 Peak current	12Arms	12Arms
持续电流 Sustained current	2.5Arms	2Arms
力常数 The force constant	34.6N/Arms	51.5N/Arms
重复精度 Repeat accuracy	±2μm	±2μm
定位精度 Positioning accuracy	±20μm	±20μm
线性度 Feedback	X-X	±10μm
	Y-Y	±10μm
最大加速度 Maximum acceleration	3G	3G
额定速度 Rated speed	2m/s	2m/s
建议最大速度 Recommended maximum speed	1.5m/s	1.5m/s
相间电阻 And the resistance	4.6Ω	6.7Ω
相间电感 And inductance	18mH	21.2mH
磁极距 Pole pitch	20mm	20mm
滑动体长度 Length of slide	120mm	165mm
滑动体质量 Mass of sliding body	1kg	1.5kg
安装方式 Installation	水平安装/侧挂安装 Horizontal mounting/side mounting	水平安装/侧挂安装 Horizontal mounting/side mounting
原点感应器(外挂) Origin sensor (external)	K017-A6(选配)	

感应器接线图 Inductor wiring diagram



负载加速度曲线 Load acceleration curve

86-A 负载加速度曲线图

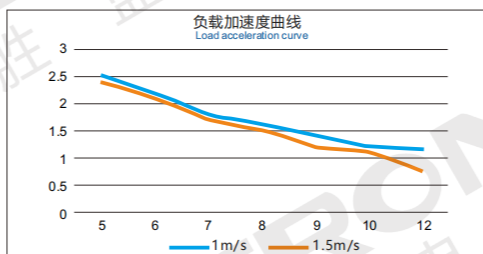


86-A 电机负载快速选型

Fast selection of 86-A motor load

负载 Load	1m/s	1.5m/s
3kg	2.5g	2.3g
4kg	2g	1.8g
5kg	1.6g	1.4g
6kg	1.5g	1.3g
7kg	1.3g	1g
8kg	1.1g	0.9g
9kg	1g	0.6g

86-B 负载加速度曲线图



86-B 电机负载快速选型

Fast selection of 86-B motor load

负载 Load	1m/s	1.5m/s
5kg	2.5g	2.4g
6kg	2.2g	2.1g
7kg	1.8g	1.7g
8kg	1.6g	1.5g
9kg	1.4g	1.2g
10kg	1.2g	1.1g
12kg	1.15g	0.75g

分类
classification内嵌式丝杆型
Built-in lead screw type内嵌式丝杆型
Built-in lead screw type内嵌式推杆型
Built-in push-rod type内嵌式皮带型
Built-in belt type一般丝杆型
General screw type一般皮带型
General belt type无尘丝杆型
Dust free screw type无尘皮带型
Dust free belt type单轴滑台
Single axle slide table直线电机模组
Linear motor module

内嵌式丝杆型
Built-in lead screw type

内嵌式丝杆型
Built-in lead screw type

内嵌式推杆型
Built-in push-rod type

内嵌式皮带型
Built-in belt type

一般丝杆型
General screw type

一般皮带型
General belt type

无尘丝杆型
Dust free screw type

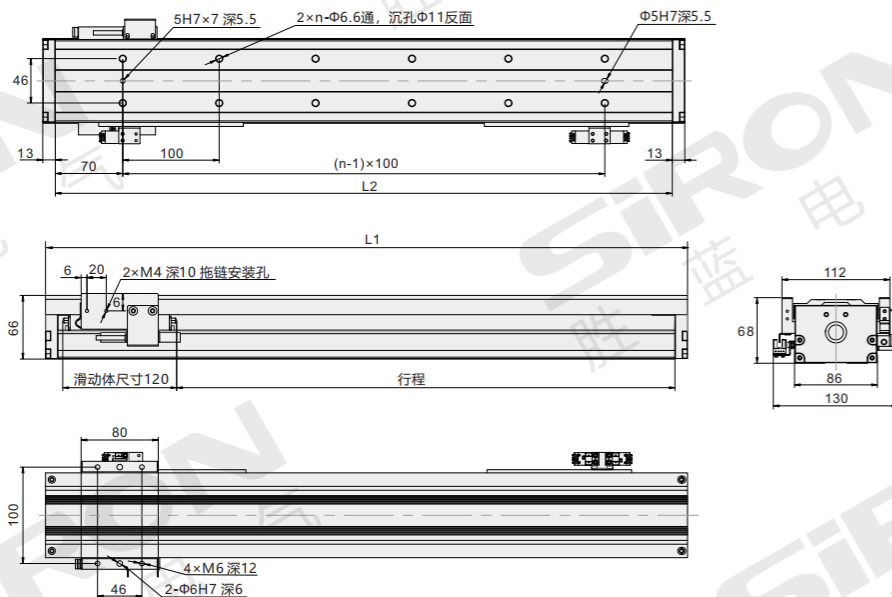
无尘皮带型
Dust free belt type

单轴滑台
Single axle slide table

直线电机模组
Linear motor module

外形尺寸图 Outline dimension drawing

小推力 M370-86-A

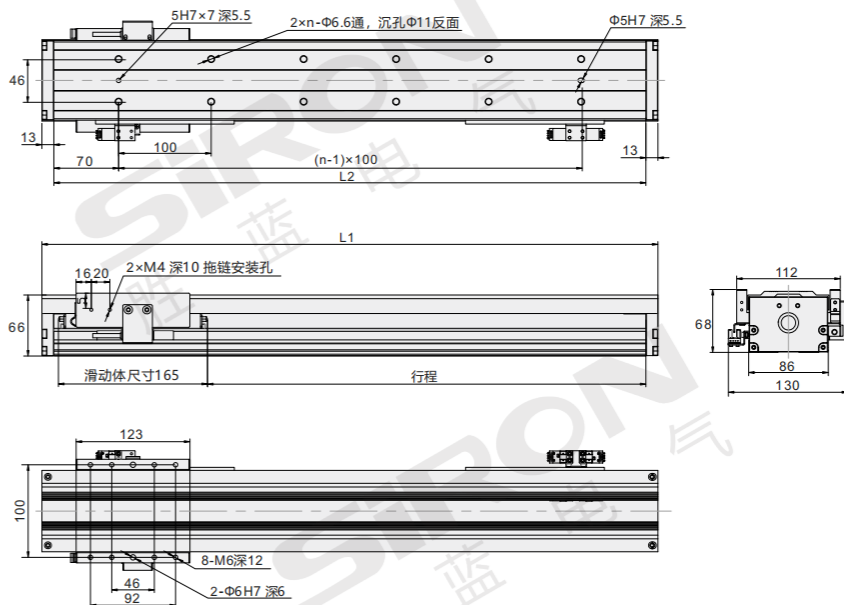


单位: mm

轨道长度 Track length	全长 L1 Full length L1	单动子 最大行程 L Single actuator maximum travel L	双动子 最大行程 L Maximum travel of the double actuator L	n	单动子重量 kg Single actuator weight kg	双动子重量 kg Double actuator weight kg
340	366	210	90	3	4.9	6
440	466	310	190	4	5.9	6.8
540	566	410	290	5	6.9	8
640	666	510	390	6	8	9.2
740	766	610	490	7	9	10.1
840	866	710	590	8	10	11.1
940	966	810	690	9	11.1	12.2
1040	1066	910	790	10	12.1	13.3

外形尺寸图 Outline dimension drawing

大推力 M370-86-B



单位: mm

轨道长度 Track length	全长 L1 Full length L1	单动子 最大行程 L Single actuator maximum travel L	双动子 最大行程 L Maximum travel of the double actuator L	n	单动子重量 kg Single actuator weight kg	双动子重量 kg Double actuator weight kg
340	366	170	/	3	5.9	/
440	466	270	105	4	7	8.5
540	566	370	205	5	8	9.4
640	666	470	305	6	9	10.5
740	766	570	405	7	10.1	11.6
840	866	670	505	8	11.1	12.5
940	966	770	605	9	12.1	13.4
1040	1066	870	705	10	13.1	14.6