

LINEAR MOTION
SYSTEM INTELLIGENT
PRODUCTS
MANUFACTURER



FTB module can easily meet the needs of high-speed use, stable operation, and repeated positioning accuracy of $\pm 0.05\text{mm}$. It perfectly responds to the needs of all automation markets. It is widely used in the industry and popularized in the global market.

Maximum Load

50kg

maximum speed

2000mm/s

Repeat positioning accuracy

$\pm 0.05\text{mm}$

Longest travel

3500mm

FUYU TECHNOLOGY CO.,LTD

FTB

SEMI ENCLOSED BELT LINEAR MODULE

Long stroke, high speed



FTB10

102mm
width
3500mm
max stroke
20kg
max payload



FTB12

102mm
width
3500mm
max stroke
30kg
max payload



FTB14

135mm
width
3500mm
max stroke
40kg
max payload



FTB17

170mm
width
3500mm
max stroke
50kg
max payload

FTB10 LINEAR GUIDE

Single rail



[mm]
Effective Stroke 100-3500

[kg]
Vertical reference Loading 10

[kg]
Horizontal reference Loadings 20

FTB10-ORDERING METHOD

FTB10	L	35	E300	L	B60	S
Belt module		Lead		Motor position		Brand name
Model	Wide(mm)	Synchronous belt module		Motor folding direction		Servo motor
FTB10	102	35mm		L Motor Left		P 40:400W
Transmission material category		Effective trip		LU Motor Upper Left		T 75:750W
Model	Type	Model	Stroke (mm)	LD Motor Lower Left		Y
L	PU BELT	FTB10	E100-3500	R Motor Right		M
X	Rubber belt			RU Motor Upper Right		C
				RD Motor Lower Right		Stepping motor
						B60 60X102
						B86 86X128
						brake
						Extra Enquiry If Need Brake

FTB10-OPTIONAL ACCESSORIES

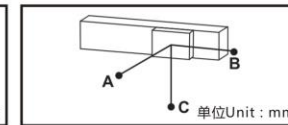
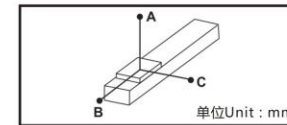
Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	SN04-N(NPN.NO)
	FMC4030	FML-(NPN/PNP)

FTB10-TECHNICAL PARAMETER

TECHNICAL PARAMETER

[mm] Position Accuracy			±0.05			
[mm] Stroke			35			
400W AC Servo Motor	loadings[kg]		5	10	15	20
	Horizontal	[mm/s] Speed	2000	2000	1800	1500
	Side Mounted	[mm/s] Speed	2000			
	Vertical	[mm/s] Speed	2000	2000		
	noise[dB]		≤75			
[°C] Storage temperature			-15°C—+60°C			

FTB10-ALLOWABLE LOAD TORQUE

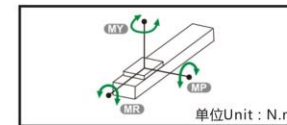


水平安装 Horizontal installation	A	B	C
5kg	495	155	130
8kg	301	91	77
10kg	236	71	60

侧挂安装 Wall installation	A	B	C
4kg	165	200	625
7kg	90	110	350
10kg	60	75	240

The data represented by the moment represent the center of gravity

FTB10-STATIC LOADING MOMENT

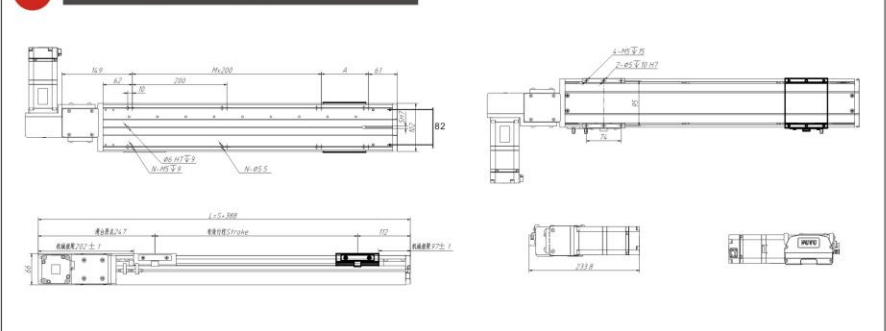


MY	110
MP	110
MR	120

FTB10-DIMENSIONAL DRAWING

L 电机左折 MOTOR LEFT SIDE A: 尾部相邻孔间距 M: 阵列数 N: 安装孔个数
A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes

L 电机左折 MOTOR LEFT SIDE A: 尾部相邻孔间距 M: 阵列数 N: 安装孔个数
A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



※ 不含电机重量 weight without motor

[mm] Stroke		100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500
[mm] Linear Guide Total Length	400W AC Servo Motor	488	588	688	788	888	988	1088	1188	1288	1388	1888	2388	2888	3388	3888
[kg] Weight		4.6	5.2	5.8	6.4	7.0	7.6	8.2	8.8	9.4	10.0	13.0	16.0	19.0	22.0	25.0

Note: The mounting holes are standard, it can be customized.

ETB12 | LINEAR GUIDE



[mm] Effective Stroke	100-3500	[kg] Vertical reference Loading	15	[kg] Horizontal reference Loadings	30
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FTB12-ORDERING METHOD

FTB12 | **L** | **35** | **E300** | **L** | **B60** | **S**

Belt module

Model	Wide(mm)
FTB12	102

Lead

Synchronous belt module
35mm

Motor position

Motor folding direction	
L	Motor Left
LU	Motor Upper Left
LD	Motor Lower Left
R	Motor Right
RU	Motor Upper Right
RD	Motor Lower Right

Transmission material category

Model	Type
L	PU BELT
X	Rubber belt

Effective trip

Model	Stroke (mm)
FTB12	E100-3500

Brand name

Servo motor	
P	40-400W
T	75-750W
Y	
M	
C	

Stepping motor	
B60	60X102
B86	86X128

brake

Extra Enquiry If Need Brake

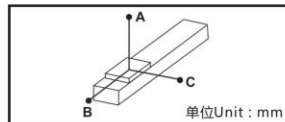
FTR12-OPTIONAL ACCESSORIES

Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	SN04-N(NPN.NO)
	FMC4030	FML-(NPN/PNP)

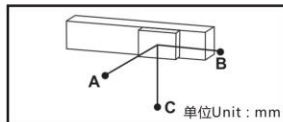
FTB12-TECHNICAL PARAMETER

TECHNICAL PARAMETER	[mm] Position Accuracy		±0.05						
	[mm] Stroke		35						
	400W AC Servo Motor	loadings[kg]		5	10	15	20	25	30
			[mm/s] Speed	2000	2000	1800	1500	1000	1000
			[mm/s] Speed	2000	1500				
			[mm/s] Speed	2000	1500	1000			
		noise[dB]		≤75					
	[°C] Storage temperature		-15°C—+60°C						

FTB12-ALLOWABLE LOAD TORQUE



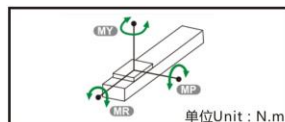
Horizontal installation	A	B	C
5kg	495	155	130
8kg	301	91	77
10kg	236	71	60



Wall installation	A	B	C
4kg	165	200	625
7kg	90	110	350
10kg	60	75	240

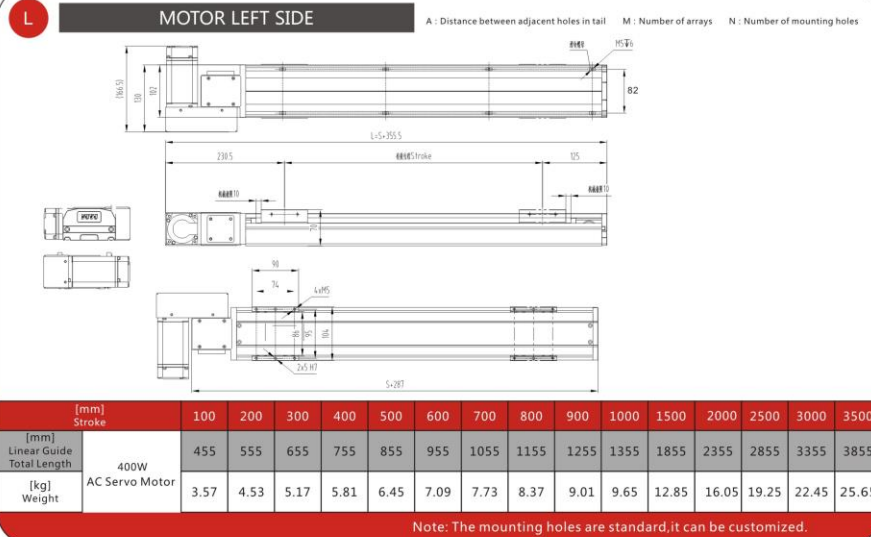
The data represented by the moment represent the center of gravity

FTB12-STATIC LOADING MOMENT



MY	110
MP	110
MR	120

FTB12-DIMENSIONAL DRAWING



FTB14 LINEAR GUIDE

Double rail



[mm]
Effective Stroke 100-3500

[kg]
Vertical reference Loading 20

[kg]
Horizontal reference Loadings 40

FTB14-ORDERING METHOD

※为标配电机

FTB14	L	40	E300	L	B60	S
Belt module		Lead		Motor position		Brand name
Model	Wide(mm)	Synchronous belt module		Motor folding direction		Servo motor
FTB14	135	40mm		L Motor Left		P 40:400W
Transmission material category		Effective trip		LU Motor Upper Left		T 75:750W
Model	Type	Model	Stroke (mm)	LD Motor Lower Left		Y
L	PU BELT	FTB14	E100-3500	R Motor Right		M
X	Rubber belt			RU Motor Upper Right		C
				RD Motor Lower Right		Stepping motor
						B60 60X102
						B86 86X128
						brake
						Extra Enquiry If Need Brake

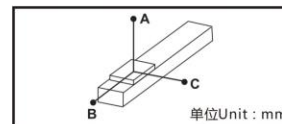
FTB14-OPTIONAL ACCESSORIES

Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	SN04-N(NPN.NO)
	FMC4030	FML-(NPN/PNP)

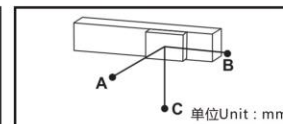
FTB14-TECHNICAL PARAMETER

TECHNICAL PARAMETER	[mm] Position Accuracy		±0.05								
	[mm] Stroke		40								
	400W AC Servo Motor	loadings[kg]	5	10	15	20	25	30	35	40	
		Horizontal	[mm/s] Speed	2000	2000	1800	1500	1000	1000	800	800
		Side Mounted	[mm/s] Speed	2000	1500	1000					
		Vertical	[mm/s] Speed	2000	1500	1000	800				
		noise[dB]		≤75							
	[°C] Storage temperature		-15°C—+60°C								

FTB14-ALLOWABLE LOAD TORQUE



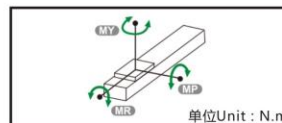
Horizontal installation	A	B	C
10kg	1795	690	540
20kg	860	330	260
25kg	670	260	200



Wall installation	A	B	C
15kg	50	450	1180
18kg	290	370	970
25kg	60	75	240

The data represented by the moment represent the center of gravity

FTB14-STATIC LOADING MOMENT

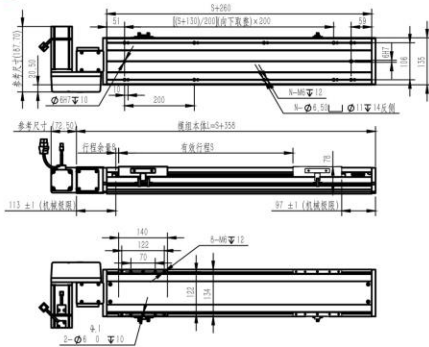


MY	560
MP	565
MR	490

FTB14-DIMENSIONAL DRAWING

L

MOTOR LEFT SIDE



※不含电机重量 weight without motor

[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500
[mm] Linear Guide Total Length	522.5	622.5	722.5	822.5	922.5	1022.5	1122.5	1222.5	1322.5	1422.5	1922.5	2422.5	2922.5	3422.5	3922.5
[kg] Weight	7.3	8.2	9.1	10.0	10.9	11.8	12.7	13.6	14.5	15.4	19.9	24.4	28.9	33.4	37.9

Note: The mounting holes are standard, it can be customized.

FTB17 LINEAR GUIDE

Double rail



[mm]
Effective Stroke 100-3500

[kg]
Vertical reference Loading 25

[kg]
Horizontal reference Loadings 50

FTB17-ORDERING METHOD

※为标配电机

FTB17	L	40	E300	L	B60	S
Belt module	Lead	Motor position	Brand name			
Model FTB17	Wide(mm) 170	Synchronous belt module 40mm	Motor folding direction	Servo motor		
Transmission material category	Effective trip	Motor position	Stepping motor			
Model L	Type PU BELT	Model FTB17	Stroke (mm) E100-3500	B60 60X102		
X	Rubber belt			B86 86X128		
				brake		
				Extra Enquiry If Need Brake		

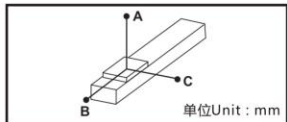
FTB17-OPTIONAL ACCESSORIES

Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	SN04-N(NPN.NO)
	FMC4030	FML-(NPN/PNP)

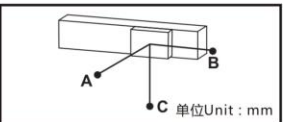
FTB17-TECHNICAL PARAMETER

TECHNICAL PARAMETER	[mm] Position Accuracy		±0.05										
	[mm] Stroke		40										
	400W AC Servo Motor	loadings[kg]	5	10	15	20	25	30	35	40	45	50	
			[mm/s] Speed	2000	2000	1800	1500	1000	1000	800	800	800	800
			[mm/s] Speed	2000	1500	1000	800						
			[mm/s] Speed	2000	1500	1000	800	500					
	noise[dB]		≤75										
	[°C] Storage temperature		-15°C—+60°C										

FTB17-ALLOWABLE LOAD TORQUE



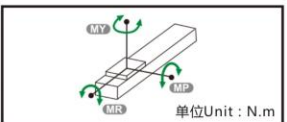
Horizontal installation	A	B	C
10kg	3000	1200	1100
20kg	1500	550	500
30kg	950	360	320
45kg	588	220	201



Wall installation	A	B	
10kg	680	750	2000
20kg	390	430	1150
30kg	270	300	790
45kg	205	220	588

The data represented by the moment represent the center of gravity

FTB17-STATIC LOADING MOMENT



MY	1050
MP	1055
MR	910

FTB17-DIMENSIONAL DRAWING

L

MOTOR LEFT SIDE

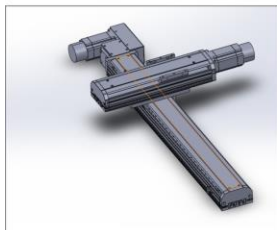
A : Distance between adjacent holes in tail

M : Number of arrays

N : Number of mounting holes

[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500
[mm] Linear Guide Total Length	541.5	641.5	741.5	841.5	941.5	1041.5	1141.5	1241.5	1341.5	1441.5	1941.5	2441.5	2941.5	3441.5	3941.5
[kg] Weight	11.1	12.5	13.9	15.3	16.7	18.1	19.5	20.9	22.3	23.7	30.7	37.7	44.7	51.7	58.7

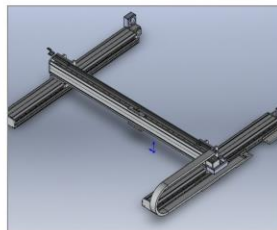
Note: The mounting holes are standard, it can be customized.



FTB12-FTH12-XY-S



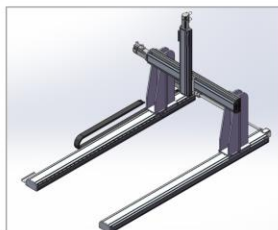
FTB14-FPB50 XY-T



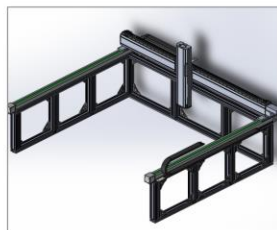
FTB17XY-H2



FTB14-FBL80 XYZ-L



FTB17 XYZ-L



FTB17 XYZ-L