

LINEAR MOTION
SYSTEM INTELLIGENT
PRODUCTS
MANUFACTURER



The hundred-yuan-level practical ball screw module adopts a noise-reducing and silent design, an original guide-rail-less design, is smaller and thinner, and supports hoisting. It is suitable for environments with compact installation space and can build single-axis and multi-axis combinations use.

Maximum Load

20kg

maximum speed

350mm/s

Repeat positioning
accuracy

$\pm 0.02\text{mm}$

Longest travel

1000mm

FSKJ

MUTE TYPE MODULE

LOW NOISE SAVE SPACE

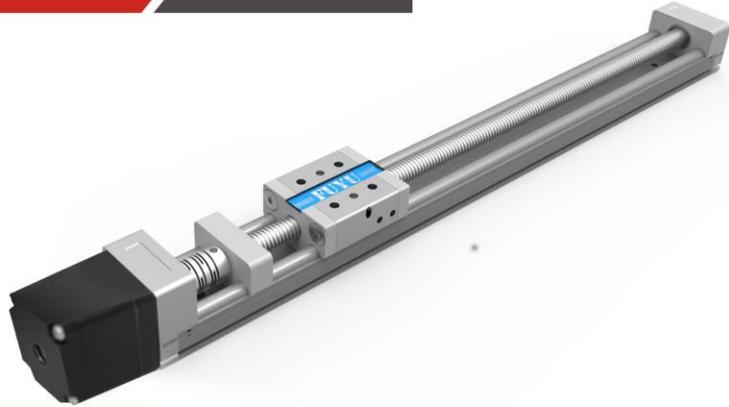


30mm
width
500mm
max stroke
3kg
max payload



40mm
width
1000mm
max stroke
20kg
max payload

FSK30J LINEAR GUIDE



[mm]
Effective Stroke 50~500

[kg]
Vertical reference Loading 2

[kg]
Horizontal reference Loadings 3

FSK30J-ORDERING METHOD

FSK30J		12		E300		BC		B28			
Screw module - FSKJ series		Effective trip		Motor position		Brand name					
Model	Wide(mm)	Screw Outer Diameter	Wide(mm)	Motor folding direction		Stepping motor					
FSK30J	30	Ø8	50-300	BC	Motor Exposed	B28	28X32	colour	B35	35X34	colour
Lead											
screw lead											
02	2mm										
04	4mm										
12	12mm										

FSK30J-OPTIONAL ACCESSORIES

Touch screen	Controller	Limit switch	DC power model	Drive model
TPC7062HW	FSC-2A FMC4030	FML-(NPN/PNP)	LRS-100-24 LRS-350-24	FMDD36D22NOM

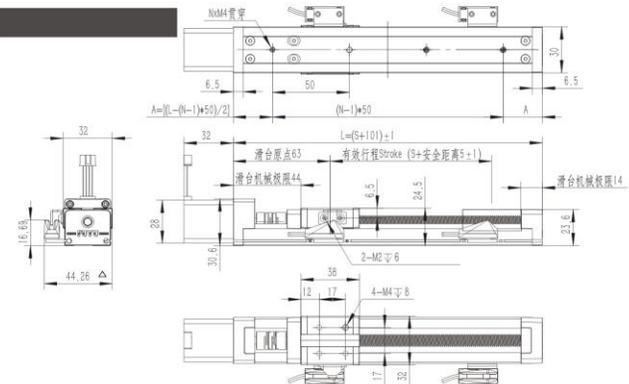
FSK30J-DIMENSIONAL DRAWING

TECHNICAL PARAMETER

[mm] Position Accuracy		±0.02																			
[mm] Ladder type Screw Diameter		φ8					φ8					φ8									
[mm] Stroke		2					4					12									
stepper motor	Horizontal	[kg] loadings	0.5	1.0	1.5	2.0	2.5	3.0	0.5	1.0	1.5	2.0	2.5	3.0	0.5	1.0	1.5	2.0	2.5	3.0	
		[mm/s] Speed	40	40	40	40	40	40	80	80	80	80	80	80	240	240	200	200	150		
	Side Mounted	[mm/s] Speed	40	40	30					80	80	60						200	200	100	
	Vertical	[mm/s] Speed	40	40	40	40												240	200		
Down Mounted	[mm/s] Speed	40	40	40													200	200	200		
	noise[dB]	< 60																			
stepper motor	Horizontal	[kg] loadings	0.5	1.0	1.5	2.0	2.5	3.0	0.5	1.0	1.5	2.0	2.5	3.0	0.5	1.0	1.5	2.0	2.5	3.0	
		[mm/s] Speed	40	40	40	40	40	40	80	80	80	80	80	80	240	240	240	240	200	180	
	Side Mounted	[mm/s] Speed	40	40	40												240	200	150		
	Vertical	[mm/s] Speed	40	40	40	40											240	200	150		
Down Mounted	[mm/s] Speed	40	40	40												240	220	200			
	noise[dB]	< 60																			
[°C] Storage temperature		-15°C—+60°C																			

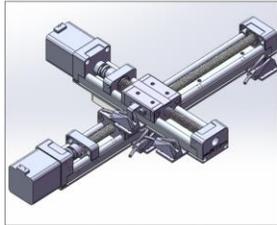
FSK30J-DIMENSIONAL DRAWING

BC MOTOR EXPOSED

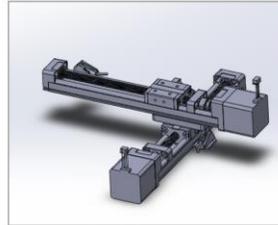


[mm] Stroke	50	100	150	200	250	300	350	400	450	500										
[mm] Linear Guide Total Length	182	232	282	332	382	432	482	532	582	632										
[kg] Weight	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4										
	184	234	284	334	384	434	479	534	584	634										
	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.4	1.5	1.6										

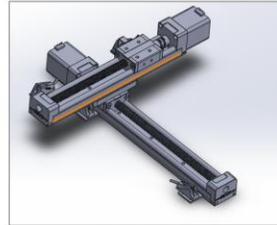
The installation length of nut shall be subject to the actual situation



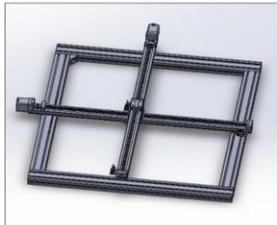
FSK30J-XY-S



FSK30J-XY-S



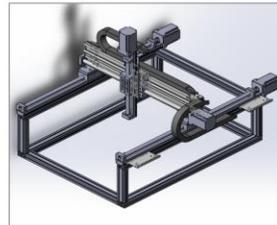
FSK30J-XY-S



FSK30J-XY-S



FSK30J-XYZ-L



FSK40J-XYZ-L

LINEAR MOTION
SYSTEM INTELLIGENT
PRODUCTS
MANUFACTURER



Economical and practical screw module, high cost performance, suitable for medium and low load, medium speed requirements, stable environment conditions. It can be combined with single axis or multi axis, and it is convenient to match the workpieces required by various industries, so it becomes the most simple and practical manipulator.

Maximum Load

50kg

maximum speed

400mm/s

Repeat positioning
accuracy

±0.02mm

Longest travel

1000mm

FSK

OPEN SCREW MODULE

WEAR-RESISTANT AND DURABLE
SIMPLE STRUCTURE



FSK30

30mm
width
300mm
max stroke
3kg
max payload



FSK40

40mm
width
1000mm
max stroke
25kg
max payload



FSK80

80mm
width
1000mm
max stroke
50kg
max payload

FSK30 LINEAR GUIDE



[mm] Effective Stroke	50-300	[kg] Vertical reference Loading	1	[kg] Horizontal reference Loadings	3
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FSK30-ORDERING METHOD

FSK30	04	E300	BC	B28
Screw module - FSK series		Effective trip		Motor position
Model	Wide(mm)	Screw Outer Diameter	Wide(mm)	Motor folding direction
FSK30	30	Ø8	50-300	BC Motor Exposed
Lead				Brand name
screw lead				Stepping motor
02	2mm			B28 28X32
04	4mm			※ B35 35X36
12	12mm			

FSK30-OPTIONAL ACCESSORIES

Touch screen	Controller	Limit switch	DC power model	Drive model
TPC7062HW	FSC-2A FMC4030	FPS-1A-NPN-NO FML-(NPN/PNP)	LRS-100-24 LRS-350-24	FMDD36D22NOM

FSK30-DIMENSIONAL DRAWING

TECHNICAL PARAMETER

[mm] Position Accuracy		±0.02																		
[mm] Ladder type Screw Diameter		φ8						φ8						φ8						
[mm] Lead		2						4						12						
2832 stepper motor	Horizontal	[kg] loadings	0.5	1.0	1.5	2.0	2.5	3.0	0.5	1.0	1.5	2.0	2.5	3.0	0.5	1.0	1.5	2.0	2.5	3.0
		[mm/s] Speed	40	40	40	40	40	40	80	80	80	80	80	80	240	240	220	220	200	200
	Side Mounted	[mm/s] Speed	40	40	40				80	80	80				240	240	220			
	Vertical	[mm/s] Speed	40	40	30	30			80	80	60	60			240	200				
	Down Mounted	[mm/s] Speed	40	40	40				80	80	80				240	240	200			
noise[dB]		< 65																		
3536 stepper motor	Horizontal	[kg] loadings	0.5	1.0	1.5	2.0	2.5	3.0	0.5	1.0	1.5	2.0	2.5	3.0	0.5	1.0	1.5	2.0	2.5	3.0
		[mm/s] Speed	40	40	40	40	40	40	80	80	80	80	80	80	240	240	200	200	200	180
	Side Mounted	[mm/s] Speed	40	40	40	40			80	80	80	80			240	240	220	200		
	Vertical	[mm/s] Speed	40	40	40	40			80	80	60	60			240	200	150			
	Down Mounted	[mm/s] Speed	40	40	40				80	80	80				240	220	200			
noise[dB]		< 65																		
[°C] Storage temperature		-15°C—+60°C																		

FSK30-DIMENSIONAL DRAWING

BC MOTOR EXPOSED																			
A	30	30	55	30	55	30													
M	1	1	1	2	2	3													
N	50	100	100	100	100	100													
[mm] Stroke	50	100	150	200	250	300													
[mm] Linear Guide	28	142	192	242	292	342	392												
Total Length	Stepper Motor	0.5	0.6	0.7	0.8	0.9	1.0												
[kg] Weight	35 Servo Motor	146	196	246	296	346	396												
		0.5	0.6	0.7	0.8	0.9	1.0												

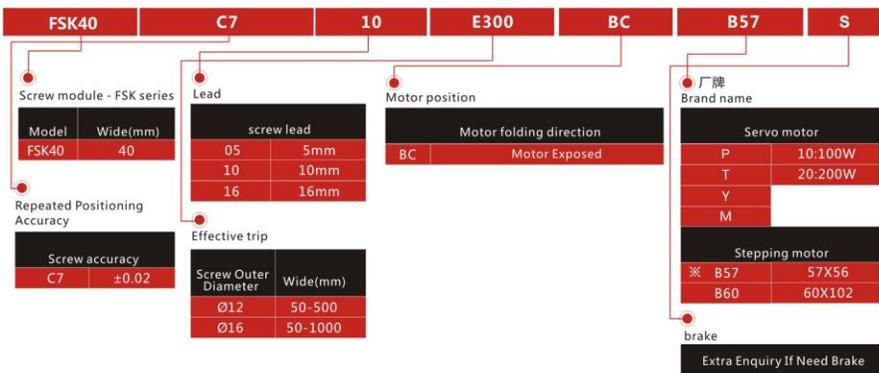
The installation length of nut shall be subject to the actual situation

FSK40 LINEAR GUIDE



[mm] Effective Stroke	50~1000	[kg] Vertical reference Loading	15	[kg] Horizontal reference Loadings	25
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FSK40-ORDERING METHOD



FSK40-OPTIONAL ACCESSORIES

Touch screen	Controller	Limit switch	DC power model	Drive model
TPC7062HW	FSC-2A	SN04-N	PMT-24V350W	FMDD50D40NOM
	FMC4030	FML-(NPN/PNP)	PMT-24V100W	
			PMT-24V50W	
			LRS-100-24	
			LRS-350-24	

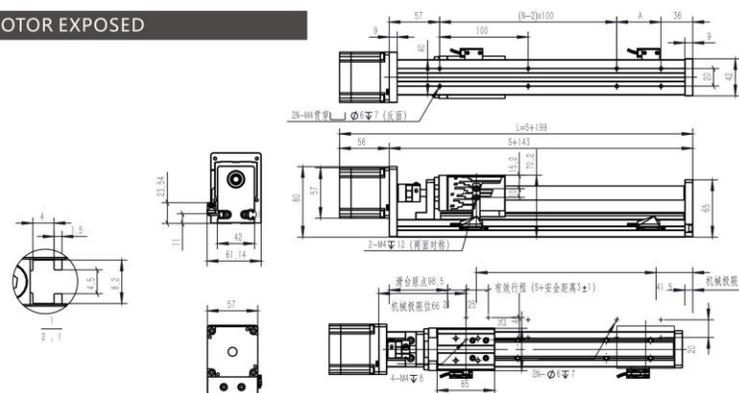
FSK40-DIMENSIONAL DRAWING

TECHNICAL PARAMETER

[mm] Position Accuracy		±0.02										
[mm] Ball Screw Diameter		φ16					φ16					
[mm] Lead		5					10					
5756 stepper motor	Horizontal	[kg] loadings	5	10	15	20	25	5	10	15	20	25
		[mm/s] Speed	100	100	100	100	90	200	200	200	200	180
	Side Mounted	[mm/s] Speed	100	100	80			200	180	150		
	Vertical	[mm/s] Speed	100	100	80	60		200	180	120	80	
Down Mounted	[mm/s] Speed	100	100	80			200	180	150			
noise[dB]		≤65										
400W AC Servo Motor	Horizontal	[kg] loadings	5	10	15	20	25	5	10	15	20	25
		[mm/s] Speed	200	200	200	200	200	400	400	400	400	400
	Side Mounted	[mm/s] Speed	200	200	180			400	400	350		
	Vertical	[mm/s] Speed	200	200	180	180	150	400	400	350	350	350
Down Mounted	[mm/s] Speed	200	200	180			400	400	350			
noise[dB]		≤65										
[°C] Storage temperature		-15°C—+60°C										

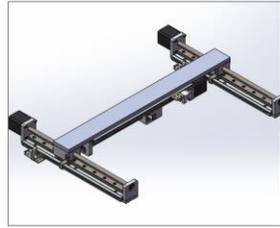
FSK40-DIMENSIONAL DRAWING

BC MOTOR EXPOSED

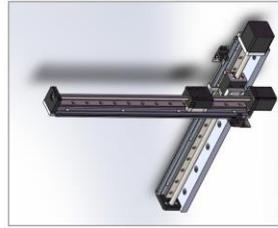


[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000
[mm] Linear Guide Total Length	249	299	349	399	449	499	549	599	649	699	799	899	999	1099	1199
Stepper Motor	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	4.0	4.4	4.8	5.2	5.6
[kg] Weight	318	368	418	468	518	568	618	668	718	768	868	968	1068	1168	1268
400W AC Servo Motor	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	4.0	4.4	4.8	5.2	5.6

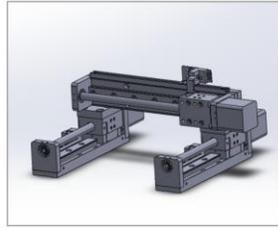
The installation length of nut shall be subject to the actual situation



FSK30 XY-H1



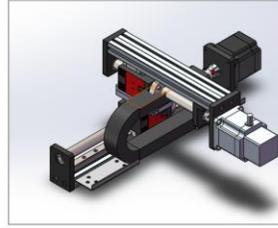
FSK30 XY-X



FSK30-XY-H2



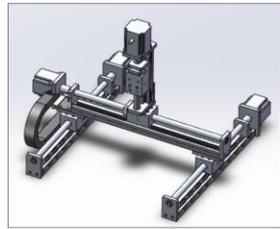
FSK40 XY-H1



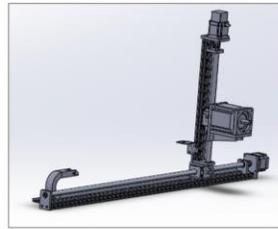
FSK40 XY-S



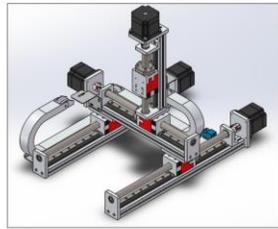
FSK40-FSK30J-XY-X



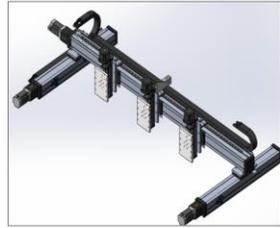
FSK40XY-H1



FSK40-XY-T



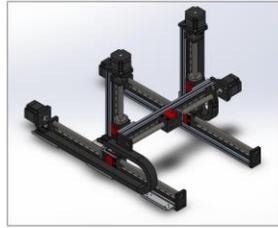
FSK40 XYZ-H1



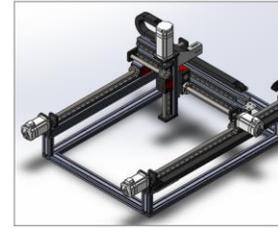
FSK40 XYZ-L



FSK40 XYZ-L



FSK40 XYZ-L



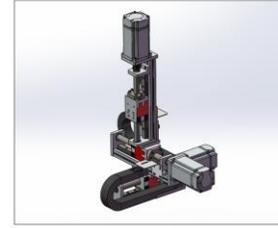
FSK40 XYZ-L



FSK40 XYZ-L



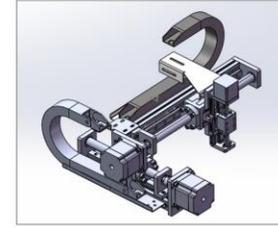
FSK40 XYZ-T



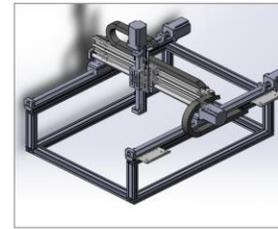
FSK40 XYZ-T



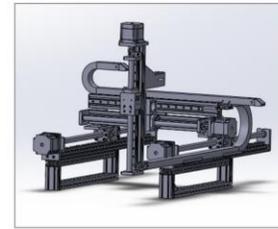
FSK40 XYZ-T



FSK40-FSK30 XYZ-X



FSK40J XYZ-L



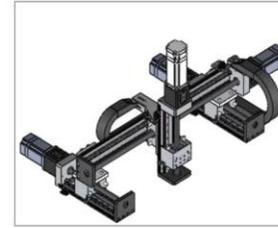
FSK40-XY-T



FSK40-XYZ



FSK40-XY



FSK80 XYZ-L



FSK80-FSK40-XYZ-T

LINEAR MOTION
SYSTEM INTELLIGENT
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FSL series module, good stability, compact structure, and has closed structure, anti chip, strong load. suitable for normal working environment, it is convenient to use single axis or multi-axis to assemble easy functional usage robotic arms for kinds of industries

Maximum Load

100kg

maximum speed

500mm/s

Repeat positioning accuracy

±0.02mm

Longest travel

1500mm

FSL

CLOSED SCREW MODULE

WEAR-RESISTANT AND DURABLE
SIMPLE STRUCTURE



FSL60

60mm
width
1050mm
max stroke
40kg
max payload



FSL80

80mm
width
1200mm
max stroke
50kg
max payload



FSL120

120mm
width
1500mm
max stroke
100kg
max payload

FSL60 LINEAR GUIDE

Single rail



[mm] Effective Stroke	50~1050	[kg] Vertical reference Loading	20	[kg] Horizontal reference Loadings	40
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FSL60-ORDERING METHOD

FSL60	C7	10	E300	BC	B60	S
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Screw module - FSL series

Model	Wide(mm)
FSL60	60

Repeated Positioning Accuracy

Screw accuracy	
C7	±0.02

Lead

screw lead	
05	5mm
10	10mm
20	20mm

Effective trip

Screw Outer Diameter	Wide(mm)
Ø16	50-1050

Motor position

Motor folding direction	
BC	电机直连 Motor Exposed
BL	电机左折 Motor Left Side
BR	电机右折 Motor Right Side
BD	电机下折 Motor Down Side

Brand name

Servo motor	
P	20:200W
T	40:400W
Y	
M	
C	

Stepping motor	
※ B60	60X102

brake

Extra Enquiry If Need Brake

FSL60-OPTIONAL ACCESSORIES

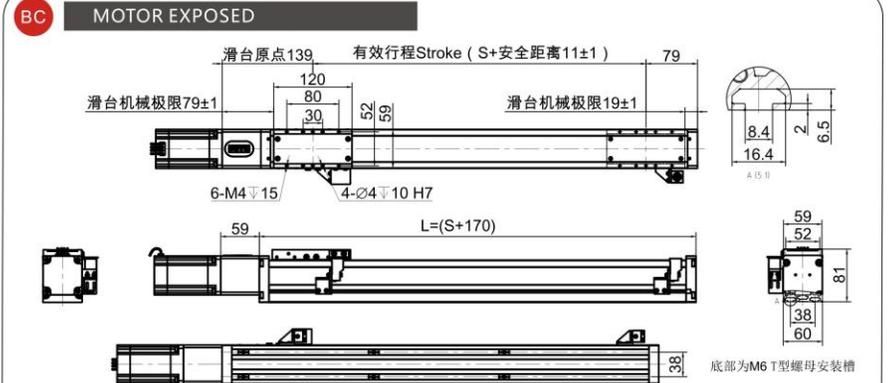
Touch screen	Controller	Limit switch	DC power model	Drive model
TPC7062HW	FSC-2A FMC4030	SN04-N(NPN.NO) FML-(NPN/PNP)	PMT-24V350W LRS-350-24	FMDD50D40NOM

FSL60-TECHNICAL PARAMETER

TECHNICAL PARAMETER

60102 stepper motor	Horizontal	[mm] Position Accuracy	±0.02																				
		[mm] Ball Screw Diameter	φ16				φ16				φ16												
	Side Mounted	[mm] Lead	5				10				20												
		[kg] loadings	10	15	20	25	30	35	40	10	15	20	25	30	35	40	10	15	20	25	30	35	40
	Down Mounted	[mm/s] Speed	100	100	100	100	100	100	100	200	200	200	200	200	180	180	300	300	250	220	200	180	180
		[mm/s] Speed	80	80	50					180	180	100					220	200	150				
	Down Mounted	[mm/s] Speed	80	80						180	180						300	300					
		[mm/s] Speed	80	80						180	180						300	300					
	noise[dB]		≤70																				
	400W AC Servo Motor	Horizontal	[kg] loadings	10 15 20 25 30 35 40 10 15 20 25 30 35 40 10 15 20 25 30 35 40																			
[mm/s] Speed			200				200				200				400				400				
Side Mounted		[mm/s] Speed	150	120	100					300	250	200					330	300	250				
		[mm/s] Speed	180	150						300	250						360	320					
Down Mounted		[mm/s] Speed	180	150						300	250						360	320					
		[mm/s] Speed	180	150						300	250						360	320					
noise[dB]		≤70																					
储藏温度[°C] Storage temperature		-15°C—+60°C																					

FSL60-DIMENSIONAL DRAWING

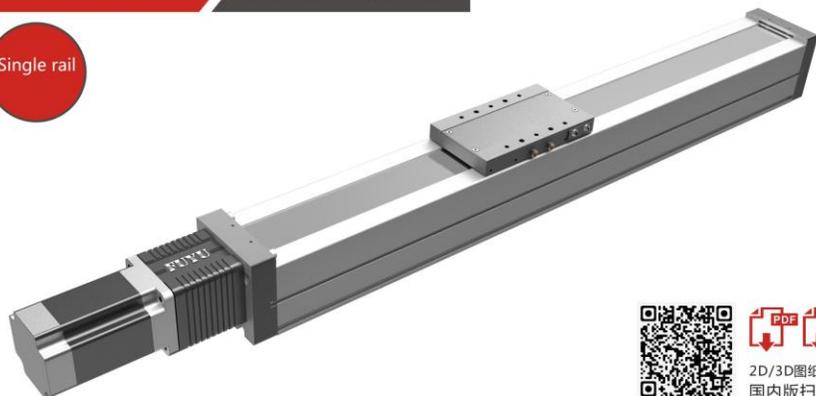


[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1050
[mm] Linear Guide Total Length	381	431	481	531	581	631	681	731	781	831	931	1031	1131	1231	1381
[kg] Weight	409	459	509	559	609	659	709	759	809	859	959	1059	1159	1259	1409

The installation length of nut shall be subject to the actual situation

FSL80 LINEAR GUIDE

Single rail



[mm] Effective Stroke	50~1200	[kg] Vertical reference Loading	30	[kg] Horizontal reference Loadings	50
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FSL80-ORDERING METHOD



FSL80-OPTIONAL ACCESSORIES

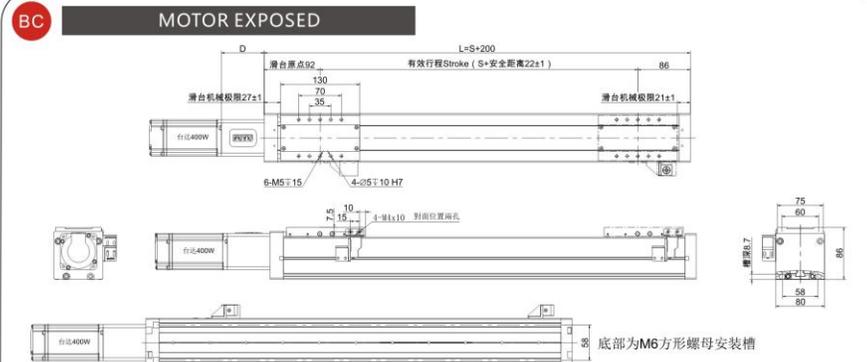
Touch screen	Controller	Limit switch	DC power model	Drive model
TPC7062HW	FSC-2A FMC4030	SN04-N(NPN.NO) FML-(NPN/PNP)	PMT-24V350W LRS-350-24	FMDD50D40NOM FMDT240A52NOM

FSL80 TECHNICAL PARAMETER

TECHNICAL PARAMETER

[mm] Position Accuracy		±0.02											
[mm] Ball Screw Diameter		φ16											
[mm] Lead		10											
60102 stepper motor	Horizontal	[kg] loadings	5	10	15	20	25	30	35	40	45	50	
	Side Mounted	[mm/s] Speed	200	200	200	200	200	200	180	180	100	100	
		[mm/s] Speed	200	200	200	180							
	Vertical Mounted	[mm/s] Speed	180	180	180	160	100	80					
		[mm/s] Speed	200	200	200	180							
noise[dB]		≤70											
400W AC Servo Motor	Horizontal	[kg] loadings	5	10	15	20	25	30	35	40	45	50	
	Side Mounted	[mm/s] Speed	400	400	400	400	400	400	400	380	380	380	
		[mm/s] Speed	400	400	400	380							
	Vertical Mounted	[mm/s] Speed	400	400	400	350	350	350					
		[mm/s] Speed	400	400	400	380							
noise[dB]		≤75											
[°C] Storage temperature		-15°C—+60°C											

FSL80-DIMENSIONAL DRAWING



[mm] Stroke	50	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200
[mm] Linear Guide Total Length	415	465	515	565	615	665	765	865	965	1015	1115	1265	1365	1465	1565
[kg] Weight	3.8	4.1	4.4	4.7	5	5.3	5.9	6.5	7.1	7.7	8.3	8.9	9.5	10.1	10.7
	443	493	543	593	643	693	793	893	993	1093	1193	1293	1393	1493	1593
	3.8	4.1	4.4	4.7	5	5.3	5.9	6.5	7.1	7.7	8.3	8.9	9.5	10.1	10.7

The installation length of nut shall be subject to the actual situation

FSL120 LINEAR GUIDE

Double rail

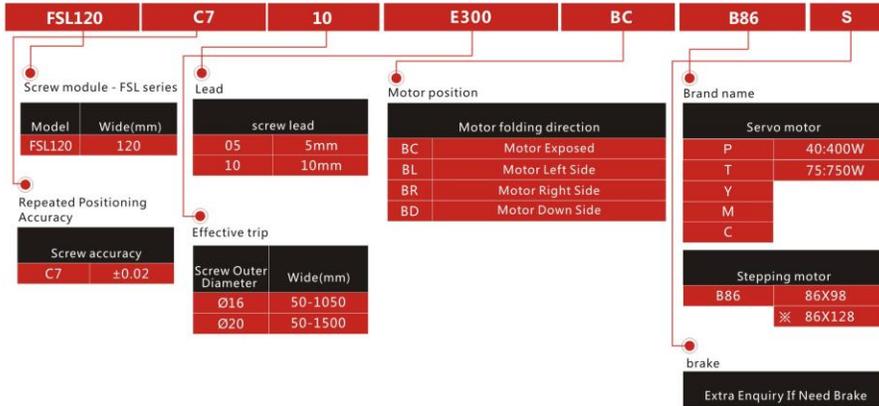


[mm]
Effective Stroke 50~1500

[kg]
Vertical reference Loading 50

[kg]
Horizontal reference Loadings 100

FSL120-ORDERING METHOD



FSL120-OPTIONAL ACCESSORIES

Touch screen	Controller	Limit switch	DC power model	Drive model
TPC7062HW	FSC-2A FMC4030	SN04-N(NPN.NO) FML-(NPN/PNP)	PMT-24V350W LRS-350-24	FMDT240A52NOM

FSL120-TECHNICAL PARAMETER

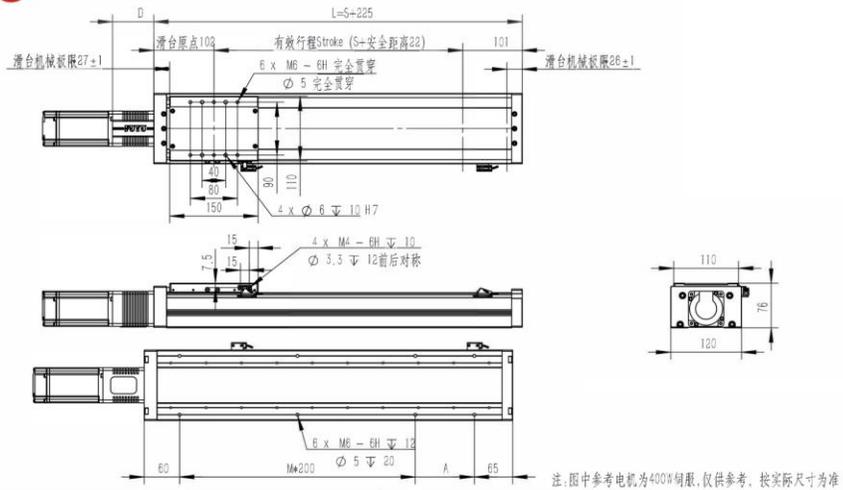
TECHNICAL PARAMETER

		[mm] Position Accuracy	±0.02																			
		[mm] Ball Screw Diameter	φ16/20																			
		[mm] Lead	05									10										
86128 stepper motor	Horizontal	[kg] loadings	10	20	30	40	50	60	70	80	90	100	10	20	30	40	50	60	70	80	90	100
		[mm/s] Speed	100	100	100	100	100	100	100	80	80	80	200	200	200	200	200	200	200	160	160	
	Side Mounted	[mm/s] Speed	100	100	100	100										200	200	200	200			
		[mm/s] Speed	100	100	100	90										200	200	200	180			
	Down Mounted	[mm/s] Speed	100	100	100	100										200	200	200	200			
		noise[dB]	≤75																			
400W AC Servo Motor	Horizontal	[kg] loadings	10	20	30	40	50	60	70	80	90	100	10	20	30	40	50	60	70	80	90	100
		[mm/s] Speed	200	200	200	200	200	200	200	200	200	200	400	400	400	400	400	400	400	400	400	
	Side Mounted	[mm/s] Speed	200	200	200	200										400	400	400	400			
		[mm/s] Speed	200	200	200	200										400	400	400	400			
	Down Mounted	[mm/s] Speed	200	200	200	200										400	400	400	400			
		noise[dB]	≤75																			
750W AC Servo Motor	Horizontal	[kg] loadings	10	20	30	40	50	60	70	80	90	100	10	20	30	40	50	60	70	80	90	100
		[mm/s] Speed	250	250	250	250	250	250	250	250	250	250	500	500	500	500	500	500	500	500	500	
	Side Mounted	[mm/s] Speed	250	250	250	250										500	500	500	500			
		[mm/s] Speed	250	250	250	250										500	500	500	480			
	Down Mounted	[mm/s] Speed	250	250	250	250										500	500	500	500			
		noise[dB]	≤75																			
		[°C] Storage temperature	-15°C—+60°C																			

FSL120-DIMENSIONAL DRAWING

BC

MOTOR EXPOSED

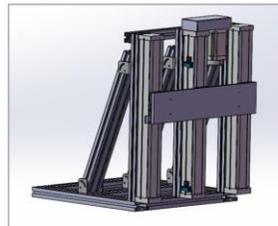


[mm] Stroke	50	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	
[mm] Linear Guide Total Length	86128 Stepper Motor	489	539	589	639	689	739	839	939	1039	1139	1239	1339	1439	1539	1639
[kg] Weight	400W AC Servo Motor	5.8	6.3	6.8	7.3	7.8	8.3	9.3	10.3	11.3	12.3	13.3	14.3	15.3	16.3	17.3
[kg] Weight	400W AC Servo Motor	4.89	5.39	5.89	6.39	6.89	7.39	8.39	9.39	10.39	11.39	12.39	13.39	14.39	15.39	16.39
[mm] Stroke	1300	1400	1500													
[mm] Linear Guide Total Length	86128 Stepper Motor	1739	1839	1939												
[kg] Weight	400W AC Servo Motor	18.3	19.3	20.3												
[kg] Weight	400W AC Servo Motor	17.39	17.39	19.39												
[kg] Weight	400W AC Servo Motor	19.9	20.9	21.9												

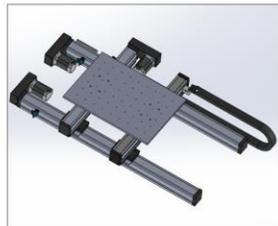
The installation length of nut shall be subject to the actual situation



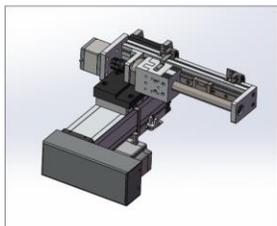
FSL60



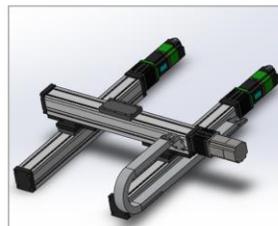
FSL80



FSL60 H1



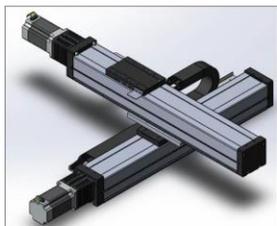
FSL60-FSK40 XY-X



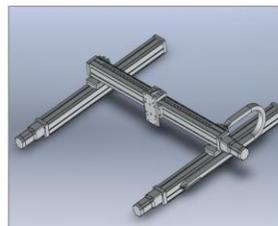
FSL60-XY-H1



FSL80 XY-H2



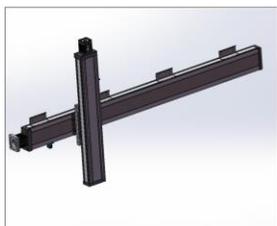
FSL80 XY-S



FSL80XY-H2



FSL120 XY-H2



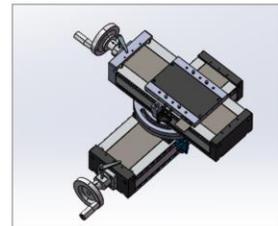
FSL120 XY-S



FSL120 XY-S



FSL120-XYZ-L



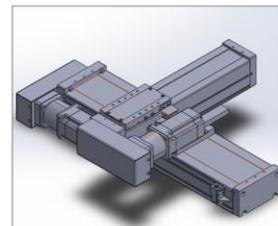
FSL120 XY-S



FSL120 XY-T



FSL120 XY-T



FSL120-FSL80-XY-S



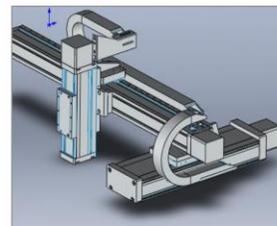
FSL60 XYZ-L



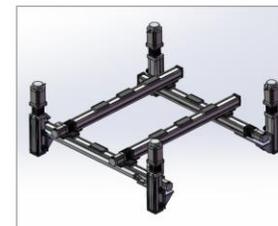
FSL120 XYZ-X



FSL60 YZ-S



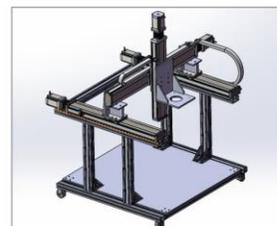
FSL60XYZ-X



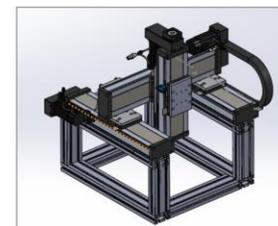
FSL80-FSL60 XYZ



FSL80-XYZ-L



FSL120 XYZ-L



FSL120 XYZ-L

LINEAR MOTION
SYSTEM INTELLIGENT
PRODUCTS
MANUFACTURER



FBL series modules are driven by synchronous belt , can easily reach long Stroke use condition , realized big motion range application ,use aluminum made structure, max Stroke reach 7000mm, max speed up to 2000mm/s

Maximum Load

30kg

maximum speed

3000mm/s

Repeat positioning accuracy

±0.05mm

Longest travel

7000mm

FBL

SYNCHRONOUS BELT MODULE

LONG Stroke HIGH SPEED



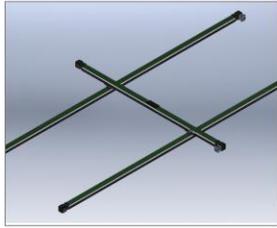
FBL60

60mm
width
3900mm
max stroke
20kg
max payload



FBL80

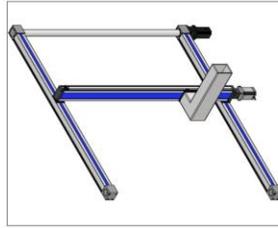
80mm
width
3900mm
max stroke
30kg
max payload



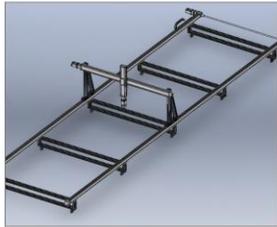
FBL60 XY-H1



FBL60-FSL60



FBL80FSL12XY-H2



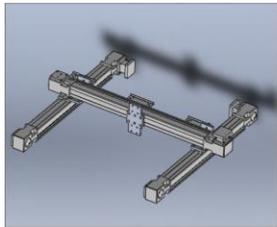
FBL80FSL120XY-L



FBL60-FSL60-XYZ-L



FBL60-FTH10 XYZ-L



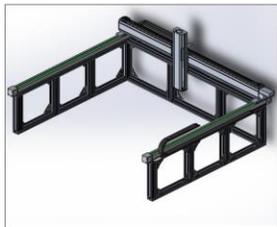
FBL60XY-H2



FBL80 FSL120 FSL80 XYZ-L



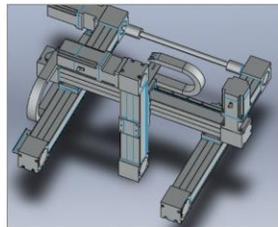
FBL80 XYZ-L



FBL80 XYZ-L



FBL80-FSL80 XYZ-L



FBL80XYZ-L

LINEAR MOTION
SYSTEM INTELLIGENT
PRODUCTS
MANUFACTURER



FPB series modules are driven by synchronous belt , can easily reach long Stroke use condition , realized big motion range application ,use aluminum made structure, max Stroke reach 3500mm, max speed up to 2000mm/s

Maximum Load

35kg

maximum speed

2000mm/s

Repeat positioning accuracy

±0.05mm

Longest travel

3500mm

FUYU TECHNOLOGY CO.,LTD

FPB

SYNCHRONOUS BELT MODULE

Low noise and lightweight



FPB30

30mm
width
3500mm
max stroke
8kg
max payload



FPB45

45mm
width
3500mm
max stroke
15kg
max payload



FPB50

50mm
width
3500mm
max stroke
25kg
max payload



FPB60

60mm
width
3500mm
max stroke
35kg
max payload

FPB30 LINEAR GUIDE



[mm]
Effective Stroke 100~3500

[kg]
Vertical reference Loading 2

[kg]
Horizontal reference Loadings 8

FPB30-ORDERING METHOD

FPB30		E300		L		B42		S	
Belt module FPB series		Effective trip		Motor position		Brand name			
Model	Wide(mm)	Model	Stroke (mm)	Motor folding direction		Servo motor			
FPB30	30	FPB30	E100-3500	L	Motor Left	P	40:400W		
				LU	Motor Upper Left	T			
				LD	Motor Lower Left	Y			
				R	Motor Right	M			
				RU	Motor Upper Right	C			
				RD	Motor Lower Right				
						Stepping motor			
						※ B42	42X50		
							57X56		
						刹车 brake			
						Extra Enquiry If Need Brake			

FPB30-OPTIONAL ACCESSORIES

Touch screen	Controller	Limit switch	DC power model	Drive model
TPC7062HW	FSC-2A	FML-(NPN/PNP)	PMT-24V350W	FMDD50D40NOM
	FMC4030		PMT-24V100W	
			LRS-350-24	

FPB30 TECHNICAL PARAMETER

TECHNICAL PARAMETER

4250 stepper motor	[mm] Position Accuracy	±0.05				
	[mm] Lead	60				
	Horizontal	[kg] loadings	1KG	2KG	3KG	4KG
		[mm/s] Speed	1000	1000	1000	1000
	Side Mounted	[mm/s] Speed	1000	1000	1000	
	Vertical	[mm/s] Speed	800	500		
		[mm/s] Speed	1000	1000	1000	1000
	Down Mounted	[mm/s] Speed	1000	1000	1000	1000
		noise[dB]	≤65			
	Horizontal	[kg] loadings	5KG	6KG	7KG	8KG
		[mm/s] Speed	800	700	600	500
	Side Mounted	[mm/s] Speed				
	Vertical	[mm/s] Speed				
		[mm/s] Speed	800			
Down Mounted	[mm/s] Speed	800				
	noise[dB]	≤65				
	[°C] Storage temperature	-15°C—+60°C				

FPB30-DIMENSIONAL DRAWING

BL MOTOR LEFT SIDE

[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500
[mm] Linear Guide Total Length	277	377	477	577	677	777	877	977	1077	1177	1677	2177	2677	3177	3677
[kg] Weight	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.9	4.9	5.9	6.9	7.9

The installation length of nut shall be subject to the actual situation

FPB45 LINEAR GUIDE



[mm]
Effective Stroke 100~3500

[kg]
Vertical reference Loading 10

[kg]
Horizontal reference Loadings 15

FPB45-ORDERING METHOD

FPB45		E300		L		B57		S	
Belt module FPB series		Effective trip		Motor position		Brand name			
Model	Wide(mm)	Model	Stroke (mm)	Motor folding direction		Servo motor			
FPB45	45	FPB45	E100-3500	L	Motor Left	P	40:400W		
				LU	Motor Upper Left	T			
				LD	Motor Lower Left	Y			
				R	Motor Right	M			
				RU	Motor Upper Right	C			
				RD	Motor Lower Right				
						Stepping motor			
						※ B57	57X76		
						B60	60X102		
						brake			
						Extra Enquiry If Need Brake			

FPB45-OPTIONAL ACCESSORIES

Touch screen	Controller	Limit switch	DC power model	Drive model
TPC7062HW	FSC-2A	SN04-N(NPN.NO)	PMT-24V350W	FMDD50D40NOM
	FMC4030	FML-(NPN/PNP)	PMT-24V100W	
			LRS-350-24	

FPB45 直线模组-技术参数

FPB45 TECHNICAL PARAMETER

TECHNICAL PARAMETER	[mm] Position Accuracy		±0.05			
	[mm] Stroke		80			
	5776 stepper motor	[kg] loadings		5KG	10KG	15KG
		Horizontal	[mm/s] Speed	1000	800	
		Side Mounted	[mm/s] Speed			
	Vertical	[mm/s] Speed				
		noise[dB]	≤60-70			
	400W AC Servo Motor	[kg] loadings		5KG	10KG	15KG
		Horizontal	[mm/s] Speed	2000	2000	2000
		Side Mounted	[mm/s] Speed	2000		
Vertical		[mm/s] Speed	2000	2000		
noise[dB]		≤60-70				
[°C] Storage temperature		-15°C—+60°C				

FPB45-DIMENSIONAL DRAWING

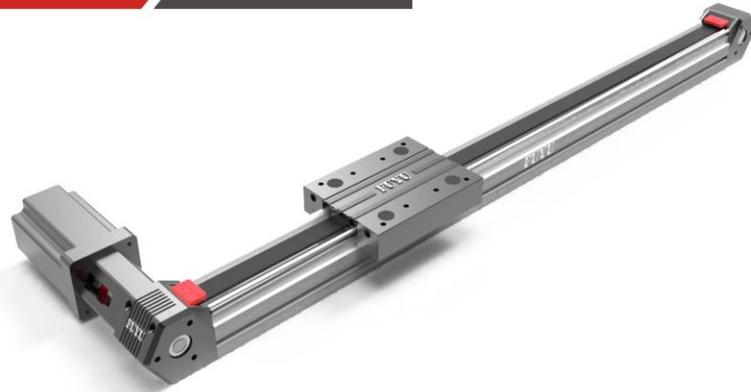
BL MOTOR LEFT SIDE

A: 尾部相邻孔间距 A: Distance between adjacent holes in tail M: 阵列数 M: Number of arrays N: 安装孔个数 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	5776 Stepper Motor	350	450	550	650	750	850	950	1050	1150	1250	1750	2250	2750	3250	3750
[kg] Weight	400W AC Servo Motor	4.1	4.35	4.6	4.05	5.1	5.35	5.6	5.85	6.1	6.35	7.6	8.85	10.1	11.4	12.6
		350	450	550	650	750	850	950	1050	1150	1250	1750	2250	2750	3250	3750
		4.8	5.05	5.3	5.55	5.8	6.05	6.3	6.55	6.8	7.05	8.3	9.55	10.8	12.1	13.3

The installation length of nut shall be subject to the actual situation

FPB50 LINEAR GUIDE



[mm]
Effective Stroke 100~3500

[kg]
Vertical reference Loading 15

[kg]
Horizontal reference Loadings 25

FPB50-ORDERING METHOD

FPB50		E300		L		B57		S	
Belt module FPB series		Effective trip		Motor position		Brand name		Servo motor	
Model	Wide(mm)	Model	Stroke (mm)	Motor folding direction		Servo motor			
FPB50	50	FPB50	E100-3500	L	Motor Left	P	40:400W		
				LU	Motor Upper Left	T			
				LD	Motor Lower Left	Y			
				R	Motor Right	M			
				RU	Motor Upper Right	C			
				RD	Motor Lower Right				
						Stepping motor			
						※ B57	57X76		
						B60	60X102		
						brake			
						Extra Enquiry If Need Brake			

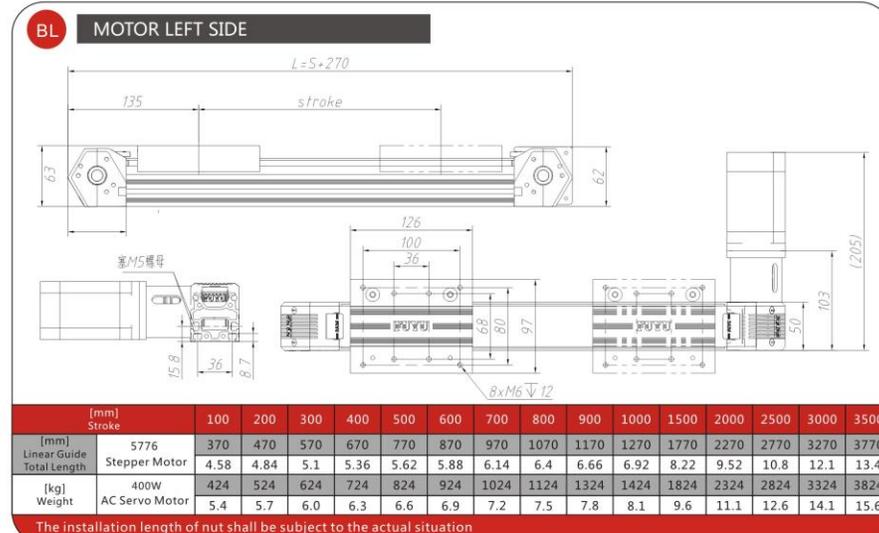
FPB50-COLLOCATION LIST

Touch screen	Controller	Limit switch	DC power model	Drive model
TPC7062HW	FSC-2A	SN04-N(NPN.NO)	PMT-24V350W	FMDD50D40NOM
	FMC4030	FML-(NPN/PNP)	PMT-24V100W	
			LRS-350-24	

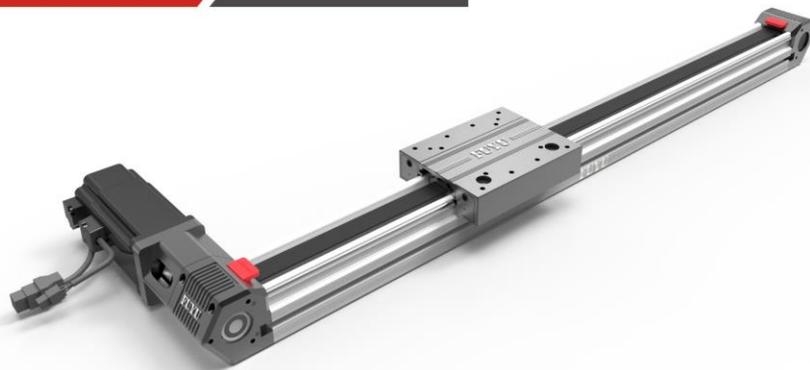
FPB50 TECHNICAL PARAMETER

TECHNICAL PARAMETER	[mm]							
	Position Accuracy		±0.05					
	Lead		95					
	5776 stepper motor	Horizontal	[kg] loadings	5KG	10KG	15KG		
			[mm/s] Speed	1000	800	500		
		Side Mounted	[mm/s] Speed	600				
		Vertical	[mm/s] Speed	600				
			noise[dB]	≤60-70				
	400W AC Servo Motor	Horizontal	[kg] loadings	5KG	10KG	15KG	20KG	25KG
			[mm/s] Speed	2000	2000	2000	2000	1500
Side Mounted		[mm/s] Speed	2000	2000				
Vertical		[mm/s] Speed	2000	2000	2000			
			noise[dB]	≤70	≤60		≤55	
		Storage temperature	-15°C—+60°C					

FPB50-DIMENSIONAL DRAWING



FPB60 LINEAR GUIDE



[mm]
Effective Stroke 100~3500

[kg]
Vertical reference Loading 20

[kg]
Horizontal reference Loadings 35

FPB60-ORDERING METHOD

※为标配电机

FPB60		E300		L		B57		S	
Belt module FPB series		Effective trip		Motor position		Brand name			
Model	Wide(mm)	Model	Stroke (mm)	Motor folding direction		Servo motor			
FPB60	60	FPB60	E100-3500	L	Motor Left	P	40:400W		
				LU	Motor Upper Left	T			
				LD	Motor Lower Left	Y			
				R	Motor Right	M			
				RU	Motor Upper Right	C			
				RD	Motor Lower Right				
						Stepping motor			
						B57	57X76		
						※ B60	60X102		
						brake			
						Extra Enquiry If Need Brake			

FPB60-OPTIONAL ACCESSORIES

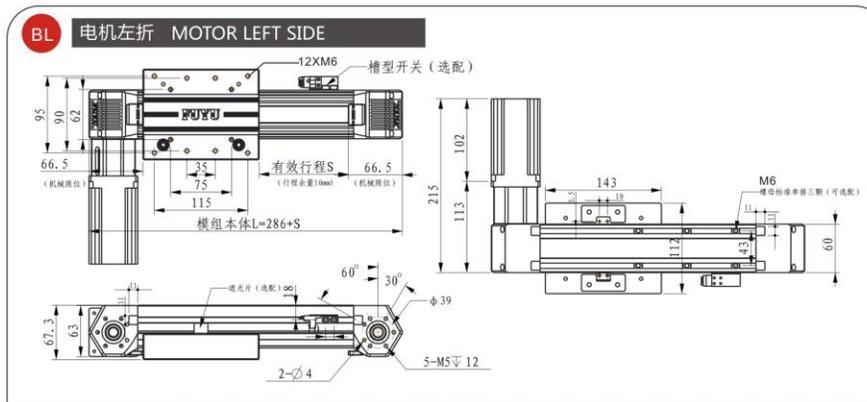
Touch screen	Controller	Limit switch	DC power model	Drive model
TPC7062HW	FSC-2A	SN04-N(NPN.NO)	PMT-24V350W	FMDD50D40NOM
	FMC4030	FML-(NPN/PNP)	PMT-24V100W	
			LRS-350-24	

FPB60 TECHNICAL PARAMETER

TECHNICAL PARAMETER

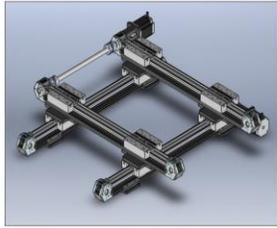
5776 stepper motor	[mm] Position Accuracy		±0.05						
	[mm] Stroke		95						
	Horizontal	[kg] loadings	5KG	10KG	15KG	20KG			
		[mm/s] Speed	1000	1000	1000	500			
		Side Mounted	[mm/s] Speed	800					
	Vertical	[mm/s] Speed	800						
noise[dB]		≤70							
400W AC Servo Motor	[kg] loadings		5KG	10KG	15KG	20KG	25KG	30KG	35KG
	Horizontal	[mm/s] Speed	2000	2000	2000	2000	2000	2000	2000
		Side Mounted	[mm/s] Speed	2000	2000	2000			
		Vertical	[mm/s] Speed	2000	2000	2000	2000		
	noise[dB]		≤70						
	[°C] Storage temperature		-15°C—+60°C						

FPB60-DIMENSIONAL DRAWING



[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500
[mm] Linear Guide Total Length	386	486	586	686	786	886	986	1086	1186	1286	1786	2286	2786	3286	3786
[kg] Weight	4.4	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	10.0	12.0	14.0	16.0	18.0
	440	540	640	740	840	940	1040	1140	1240	1340	1840	2340	2840	3340	3840
	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4	8.6	10.8	12.8	14.8	16.8	18.8

The installation length of nut shall be subject to the actual situation



FPB45 XY-S



FPB50



FPB60 XY-T



FPB60-FTH12 XYZ-L



FPB60 XY-T



FPB60XY-H2



FPB60-XY



FPB45 XYZ



FPB45XYZ-L



FPB50 XYZ-L



FPB50-FSK40-XYZ



FPB60 XYZ-L



FPB60 XYZ-L

LINEAR MOTION
SYSTEM INTELLIGENT
PRODUCTS
MANUFACTURER



FTH module can easily meet the requirements of high-precision use, stable operation, and repeated positioning accuracy of $\pm 0.02\text{mm}$. 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

120kg

maximum speed

400mm/s

Repeat positioning accuracy

$\pm 0.02\text{mm}$

Longest travel

1500mm

FTH

SEMI ENCLOSED SCREW LINEAR MODULE

High precision and rigidity



FTH10

102mm
width
1050mm
max stroke
30kg
max payload



FTH12

102mm
width
1050mm
max stroke
50kg
max payload



FTH14

135mm
width
1250mm
max stroke
80kg
max payload



FTH17

170mm
width
1500mm
max stroke
120kg
max payload

FTH10 LINEAR GUIDE

Single rail



[mm]
Effective Stroke 50~1050

[kg]
Vertical reference Loading 25

[kg]
Horizontal reference Loadings 30

FTH10-ORDERING METHOD

FTH10	C7	10	E300	BC	C40	S	
Screw module		Lead		Motor position		Brand name	
Model	Wide(mm)	screw lead		Motor folding direction		Servo motor	
FTH10	102	05	5mm	M	Motor hidden in	P	40:400W
Repeated Positioning Accuracy		Effective trip		BC	Motor Exposed	T	75:750W
Screw accuracy		Screw Outer Diameter		BL	Motor Left Side	Y	
C7	±0.02	10	10mm	BR	Motor Right Side	M	
		Wide(mm)		BD	Motor Down Side	C	
		Ø16	50-1050	Stepping motor			
				B60			
				60X102			
				brake			
				Extra Enquiry If Need Brake			

FTH10-OPTIONAL ACCESSORIES

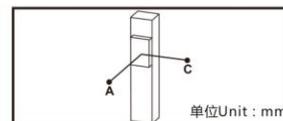
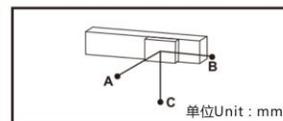
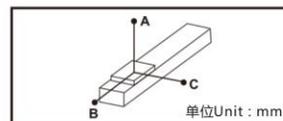
Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	SN04-N(NPN.NO)
	FMC4030	FML-(NPN/PNP)

FTH10-TECHNICAL PARAMETER

TECHNICAL PARAMETER

[mm]		±0.02										
Position Accuracy		φ16					φ16					
[mm]		5					10					
Ball Screw Diameter		5					10					
[mm]		5										
Lead		5										
400W AC Servo Motor	Horizontal	[kg] loadings	5	10	15	20	30	5	10	15	20	30
	Side Mounted	[mm/s] Speed	200	200	200	200	200	400	400	400	400	400
		[mm/s] Speed	200	200	200	200		400	400	400	400	
	Vertical	[mm/s] Speed	200	200	200	200		400	400	400	400	
		[mm/s] Speed	200	200	200	200		400	400	400	400	
Down Mounted	[mm/s] Speed	200	200	200	200		400	400	400	400		
noise[dB]		≤75										
[°C]		-15°C—+60°C										
Storage temperature		-15°C—+60°C										

FTH10-ALLOWABLE LOAD TORQUE

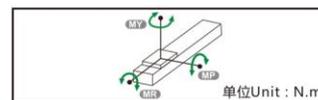


Horizontal installation		A	B	C
5 Stroke	30kg	550	45	45
	40kg	400	30	30
	50kg	300	25	24
10 Stroke	15kg	530	85	80
	25kg	300	50	45
	30kg	250	40	35
20 Stroke	5kg	530	85	80
	10kg	300	50	45
	20kg	160	35	30

Wall installation		A	B	C
5 Stroke	25kg	52	55	670
	35kg	35	35	455
	50kg	21	25	770
10 Stroke	10kg	125	135	770
	20kg	58	61	385
	30kg	160	185	565
20 Stroke	6kg	160	185	565
	12kg	76	88	275
	20kg	45	50	160

Vertical installation		A	C
5 Stroke	5kg	310	310
	8kg	200	200
	15kg	110	110
10 Stroke	4kg	350	350
	10kg	140	140
20 Stroke	2kg	550	550
	5kg	220	220

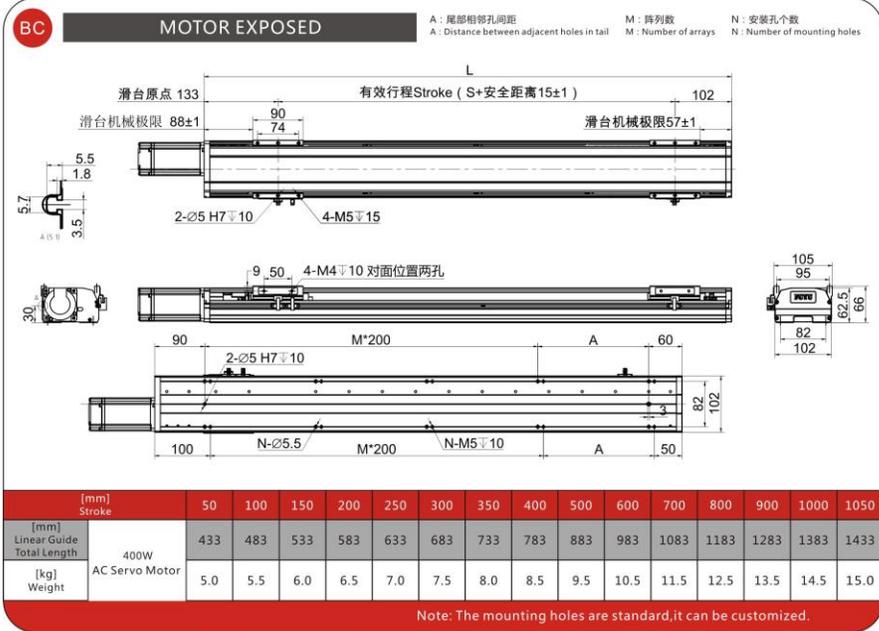
FTH10-STATIC LOADING MOMENT



MY	110
MP	110
MR	120

The data represented by the moment represent the center of gravity

FTH10-DIMENSIONAL DRAWING



FTH12 LINEAR GUIDE

Double rail



[mm] Effective Stroke 50~1050

[kg] Vertical reference Loading 40

[kg] Horizontal reference Loadings 50

FTH12-ORDERING METHOD

※为标配电机



FTH12-OPTIONAL ACCESSORIES

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

FTH14 LINEAR GUIDE

Double rail



[mm] Effective Stroke	50~1250	[kg] Vertical reference Loading	50	[kg] Horizontal reference Loadings	80
--------------------------	---------	------------------------------------	----	---------------------------------------	----

FTH14-ORDERING METHOD

※为标配电机

FTH14	C7	10	E300	BC	C40	S
Screw module	Lead	Motor position	Brand name			
Model FTH14	Wide(mm) 135	screw lead 05 5mm 10 10mm	Motor folding direction M Motor hidden in BC Motor Exposed BL Motor Left Side BR Motor Right Side BD Motor Down Side		Servo motor P 40:400W T 75:750W Y M C	
Repeated Positioning Accuracy	Effective trip	Screw Outer Diameter Ø16	Stepping motor B60 60X102 B86 86X128		brake Extra Enquiry If Need Brake	
Screw accuracy C7 ±0.02	Wide(mm) 50-1250					

FTH14-OPTIONAL ACCESSORIES

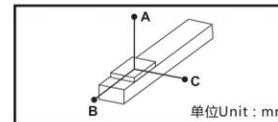
Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A FMC4030	SN04-N(NPN.NO) FML-(NPN/PNP)

FTH14-TECHNICAL PARAMETER

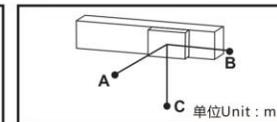
TECHNICAL PARAMETER

400W AC Servo Motor	Horizontal	[mm] Position Accuracy	±0.02								
		[mm] Ball Screw Diameter	φ16								
	Side Mounted	[mm] Lead	5								
		[kg] loadings	10	20	30	40	50	60	70	80	
	Vertical	[mm/s] Speed	200	200	200	200	200	200	200	200	
		[mm/s] Speed	200	200	200	200	200				
	Down Mounted	[mm/s] Speed	200	200	200	200					
		noise[dB]	≤75								
	400W AC Servo Motor	Horizontal	[mm] Stroke	10							
			[kg] loadings	10	20	30	40	50	60	70	80
Side Mounted		[mm/s] Speed	400	400	400	400	400	400	400	400	
		[mm/s] Speed	400	400	400	400	400				
Vertical		[mm/s] Speed	400	400	400	400	400				
		[mm/s] Speed	400	400	400	400					
Down Mounted		[mm/s] Speed	400	400	400	400					
		noise[dB]	≤75								
[°C] Storage temperature		-15°C—+60°C									

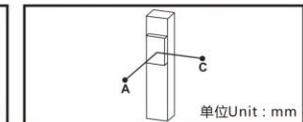
FTH14-ALLOWABLE LOAD TORQUE



单位Unit : mm



单位Unit : mm



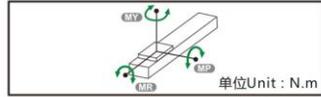
单位Unit : mm

Horizontal installation		A	B	C
5 Stroke	60kg	2512	242	232
	80kg	1811	172	164
	110kg	1300	118	115
10 Stroke	30kg	2727	470	430
	50kg	1577	266	242
	90kg	830	136	125
20 Stroke	10kg	2304	1222	1028
	22kg	1443	540	451
	40kg	880	283	238

Wall installation		A	B	C
5 Stroke	55kg	257	269	2883
	75kg	178	186	2000
	110kg	114	118	1275
10 Stroke	35kg	363	395	2368
	55kg	218	238	1445
	90kg	124	136	833
20 Stroke	12kg	854	1019	2552
	20kg	500	596	1588
	40kg	235	281	874

Vertical installation		A	C
5 Stroke	15kg	1118	1118
	22kg	770	770
	30kg	563	563
10 Stroke	10kg	1500	1500
	14kg	1072	1072
	25kg	599	599
20 Stroke	4kg	2980	2980
	10kg	1190	1190

FTH14-STATIC LOADING MOMENT

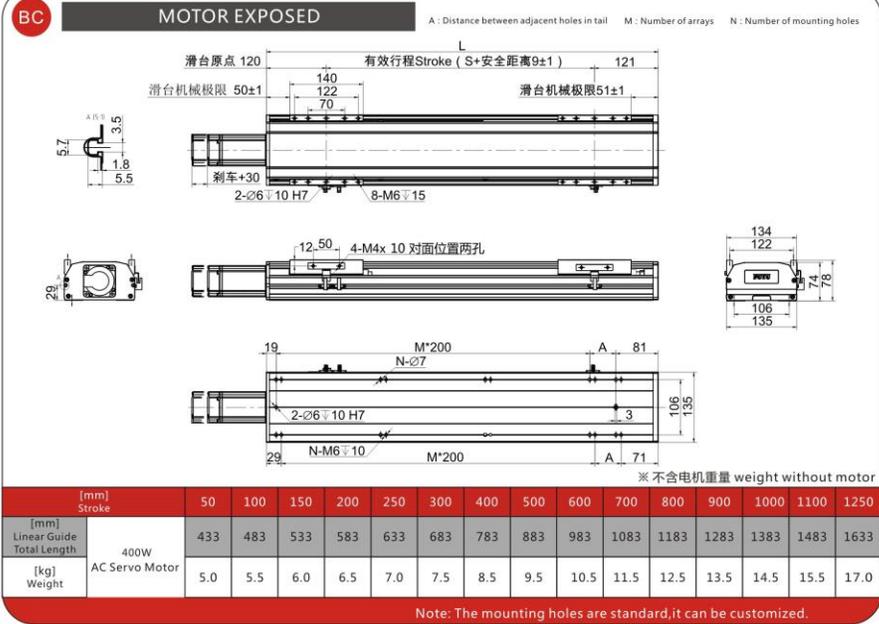


单位Unit: N.m

MY	551
MP	552
MR	485

The data represented by the moment represent the center of gravity

FTH14-DIMENSIONAL DRAWING



FTH17 LINEAR GUIDE

Double rail



[mm] Effective Stroke 50~1500

[kg] Vertical reference Loading 60

[kg] Horizontal reference Loadings 120

FTH17-ORDERING METHOD

※为标配电机



FTH17-OPTIONAL ACCESSORIES

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

FTH17-TECHNICAL PARAMETER														
TECHNICAL PARAMETER	[mm] Position Accuracy		±0.02											
	[mm] Ball Screw Diameter		φ20/25											
	[mm] Lead		5											
	Horizontal	[kg] loadings	10	20	30	40	50	60	70	80	90	100	110	120
		[mm/s] Speed	200	200	200	200	200	200	200	200	200	200	200	200
	Side Mounted	[mm/s] Speed	200	200	200	200	200							
	Vertical	[mm/s] Speed	200	200	200	200	200	200						
	Down Mounted	[mm/s] Speed	200	200	200	200	200							
	noise[dB]		≤85											
	[mm] Stroke		10											
	Horizontal	[kg] loadings	10	20	30	40	50	60	70	80	90	100	110	120
		[mm/s] Speed	400	400	400	400	400	400	400	400	400	400	400	400
	Side Mounted	[mm/s] Speed	400	400	400	400	400							
	Vertical	[mm/s] Speed	400	400	400	400	400	400						
	Down Mounted	[mm/s] Speed	400	400	400	400	400							
	noise[dB]		≤85											
	[mm] Stroke		20											
	Horizontal	[kg] loadings	10	20	30	40	50	60	70	80	90	100	110	120
[mm/s] Speed		500	500	500	500	500	500	500	400	400	400	400	400	
Side Mounted	[mm/s] Speed	500	500	500	500	500								
Vertical	[mm/s] Speed	500	500	500	500	500	500							
Down Mounted	[mm/s] Speed	500	500	500	500	500								
noise[dB]		≤85												
[°C] Storage temperature		-15°C—+60°C												

FTH17-ALLOWABLE LOAD TORQUE																																
5 Stroke	Horizontal installation		A	B	C	5 Stroke	Wall installation		A	B	C	5 Stroke	Vertical installation		A	C																
	70kg	3235	349	408	75kg		377	322	2988	20kg	1368		1368	90kg	2482	263	306	95kg	288	246	2333	30kg	911	911	120kg	1850	187	217	120kg	218	187	1850

10 Stroke	65kg	1911	338	373	10 Stroke	60kg	408	368	2092	10 Stroke	15kg	1618	1618
	85kg	1445	248	276		80kg	296	266	1554		25kg	970	970
	110kg	1102	182	202		110kg	202	182	1102		40kg	606	606
20 Stroke	35kg	1666	547	538	20 Stroke	30kg	633	644	1961	20 Stroke	10kg	1922	1922
	55kg	1030	331	328		50kg	365	369	1143		14kg	1377	1377
	80kg	697	232	232		80kg	213	214	681		25kg	771	771

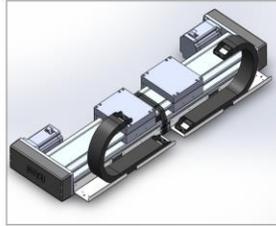
FTH17-STATIC LOADING MOMENT		
MY	1032	
MP	1034	
MR	908	

力矩所表示的数据代表重心
The data represented by the moment represent the center of gravity

FTH17-DIMENSIONAL DRAWING															
BC	MOTOR EXPOSED			A: 尾部相邻孔间距 A: Distance between adjacent holes in tail	M: 阵列数 M: Number of arrays	N: 安装孔个数 N: Number of mounting holes									
	<p>滑台原点 131 有效行程Stroke (S+安全距离3±1) 133</p> <p>滑台机械极限 55±1 152 136 100 滑台机械极限57±1</p> <p>2-φ6 H7/10 8-M8/20</p> <p>23_50 4-M4/10 对位置两孔</p> <p>23.5 M*200 A 93.5</p> <p>2-φ6 H7/10 N-φ9</p> <p>38.5 N-M8/10/ M*200 A 78.5</p> <p>169 156 140 170 91 97</p> <p>※ 不含电机重量 weight without motor</p>														
[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
[mm] Linear Guide Total Length	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
[kg] Weight	10.0	11.6	13.2	14.8	16.4	18.0	19.6	21.2	22.8	24.4	26.0	27.6	29.2	30.8	32.4
Note: The mounting holes are standard, it can be customized.															



FTH10-BR



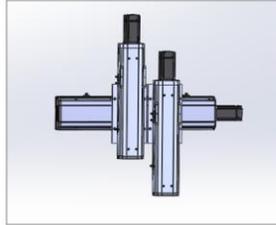
FTH17



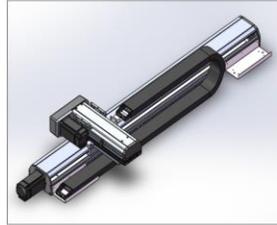
FTH17-BD



FTH17E1750



FTH14 XY-S



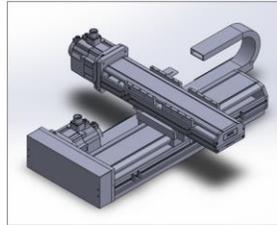
FTH14-FTH12-XY-S



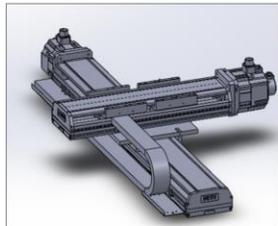
FTH17-FTB17-H2



FTH17-FTH14 XY-S



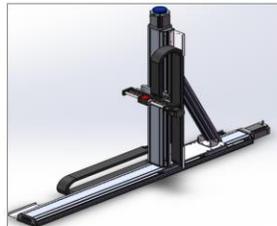
FTH17-FTH14-XY-S



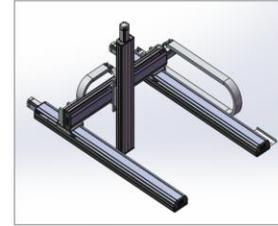
FTH17-FTH17-XY-S



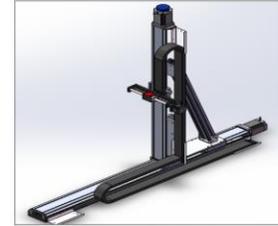
FTH12XYZ-L



FTH14 XY (FSK40) Z-T



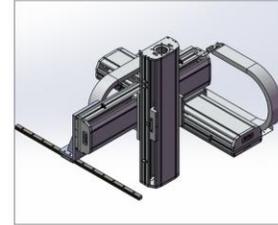
FTH14 XYZ-L



FTH14 XYZ-T



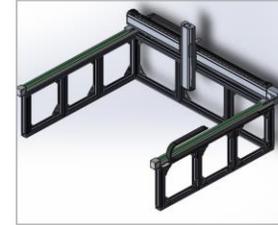
FTH14-FTH12-XYZ-X



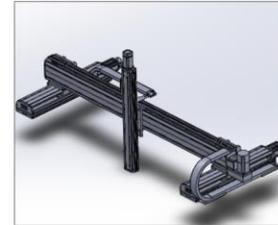
FTH17 XYZ-L



FTH17 XYZ-L



FTH17 XYZ-L



FTH17-FTB17-XYZ-L

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	

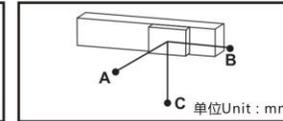
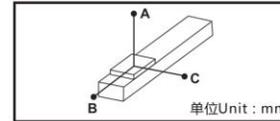
FTB10-OPTIONAL ACCESSORIES

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

FTB10-TECHNICAL PARAMETER

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

FTB10-ALLOWABLE LOAD TORQUE

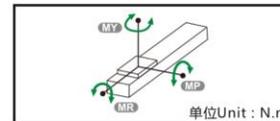


水平安装 Horizontal installation	A	B	C
5kg	495	155	130
8kg	301	91	77
10kg	236	71	60

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

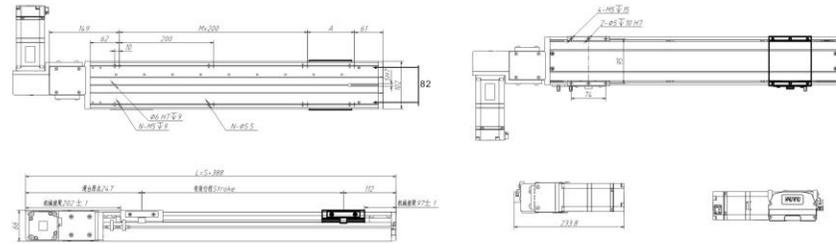


MY	110
MP	110
MR	120

FTB10-DIMENSIONAL DRAWING

L 电机左折 MOTOR LEFT SIDE

A: 相邻相领孔间距 A: Distance between adjacent holes in tail
 M: 阵列数 M: Number of arrays
 N: 安装孔个数 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	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.

FTB12 LINEAR GUIDE

Double rail



[mm]
Effective Stroke 100-3500

[kg]
Vertical reference Loading 15

[kg]
Horizontal reference Loadings 30

FTB12-ORDERING METHOD

FTB12	L	35	E300	L	B60	S
Belt module	Lead	Motor position	Brand name			
Model	Wide(mm)	Synchronous belt module	Motor folding direction	Servo motor		
FTB12	102	35mm	L	Motor Left	P	40-400W
Transmission material category	Effective trip	Model	LU	Motor Upper Left	T	75-750W
Model	Type	Stroke (mm)	LD	Motor Lower Left	Y	
L	PU BELT	FTB12	R	Motor Right	M	
X	Rubber belt	E100-3500	RU	Motor Upper Right	C	
			RD	Motor Lower Right	Stepping motor	
					B60	60X102
					B86	86X128
					brake	
					Extra Enquiry If Need Brake	

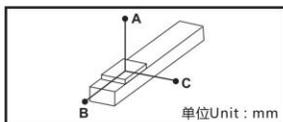
FTB12-OPTIONAL ACCESSORIES

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

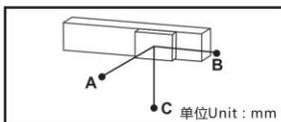
FTB12-TECHNICAL PARAMETER

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



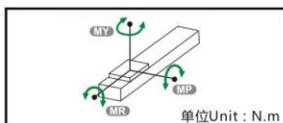
Horizontal installation	A	B	C
5kg	495	155	130
8kg	301	91	77
10kg	236	71	60



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

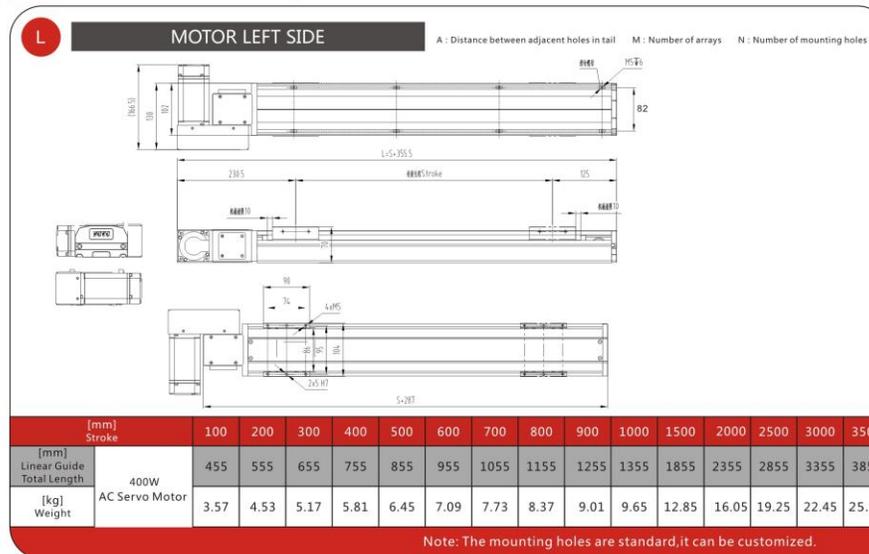
The data represented by the moment represent the center of gravity

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	

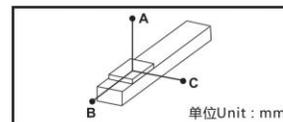
FTB14-OPTIONAL ACCESSORIES

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

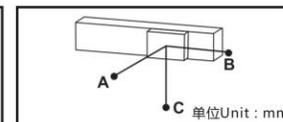
FTB14-TECHNICAL PARAMETER

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

FTB14-ALLOWABLE LOAD TORQUE



单位Unit : mm



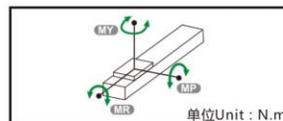
单位Unit : mm

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



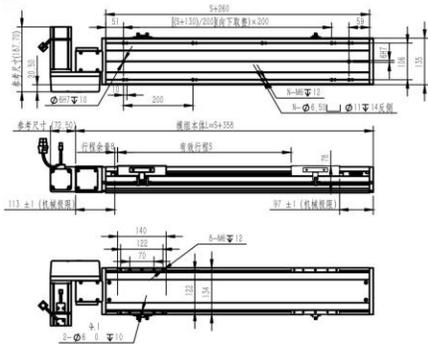
单位Unit : N.m

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	Effective trip			
Transmission material category	Effective trip	Motor folding direction	Model	Stroke (mm)	Servo motor	
L PU BELT	Model FTB17	L Motor Left	FTB17	E100-3500	P 40:400W	T 75:750W
X Rubber belt		LU Motor Upper Left			Y Motor Lower Left	M Motor Right
		LD Motor Lower Left			RU Motor Upper Right	C Motor Lower Right
		R Motor Right			Stepping motor	
		RU Motor Upper Right			B60 60X102	B86 86X128
		RD Motor Lower Right			brake	
					Extra Enquiry If Need Brake	

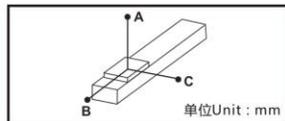
FTB17-OPTIONAL ACCESSORIES

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

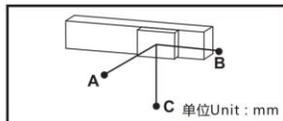
FTB17-TECHNICAL PARAMETER

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



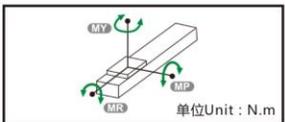
Horizontal installation	A	B	C
10kg	3000	1200	1100
20kg	1500	550	500
30kg	950	360	320
45kg	588	220	201



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

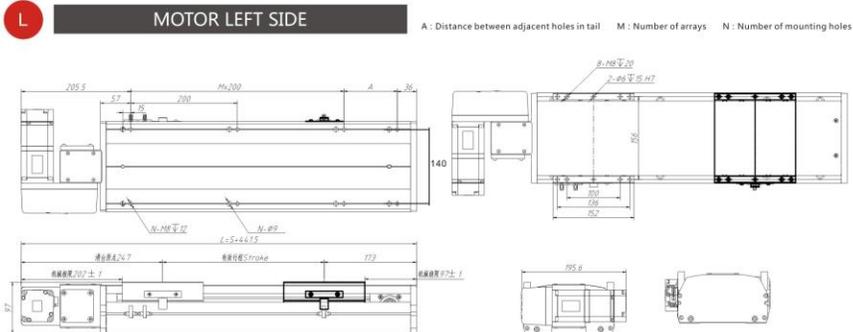
The data represented by the moment represent the center of gravity

FTB17-STATIC LOADING MOMENT



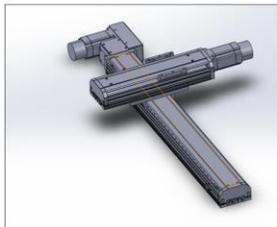
MY	1050
MP	1055
MR	910

FTB17-DIMENSIONAL DRAWING



[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

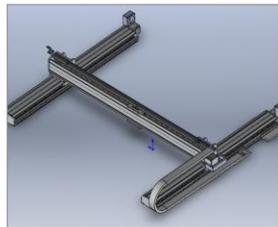
Note: The mounting holes are standard, it can be customized.



FTB12-FTH12-XY-S



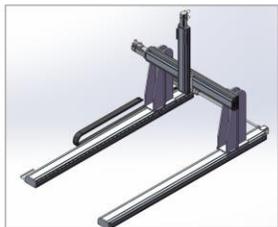
FTB14-FPB50 XY-T



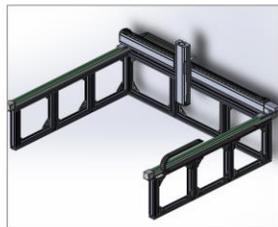
FTB17XY-H2



FTB14-FBL80 XYZ-L



FTB17 XYZ-L



FTB17 XYZ-L