

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

FSK J

MUTE TYPE MODULE

LOW NOISE SAVE SPACE

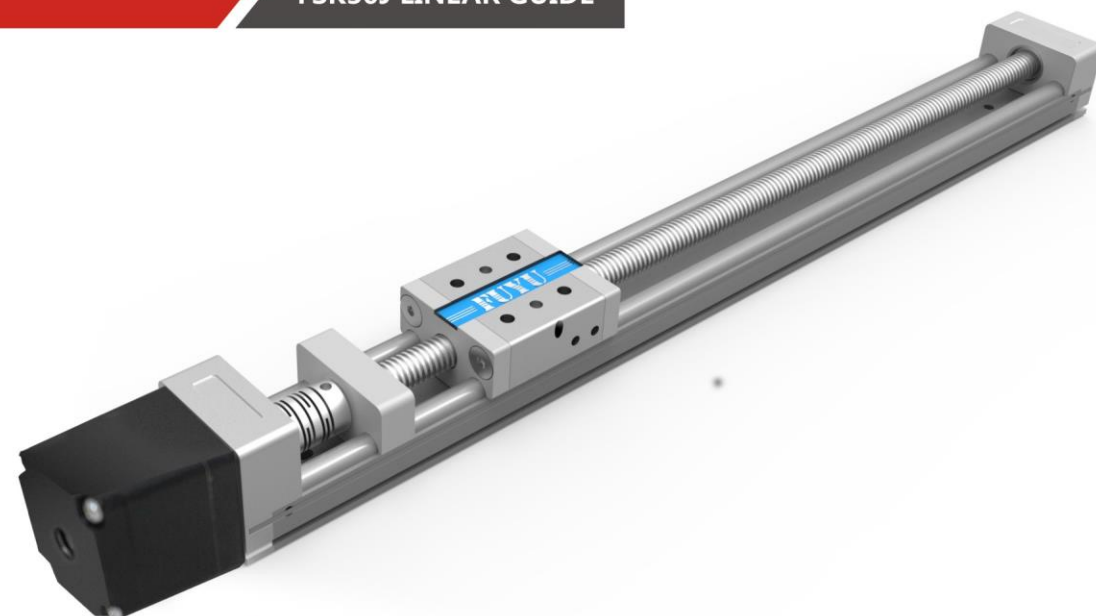


30mm
width
500mm
max stroke
3kg
max payload



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
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FSK30J-ORDERING METHOD

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

FSK30J-OPTIONAL ACCESSORIES

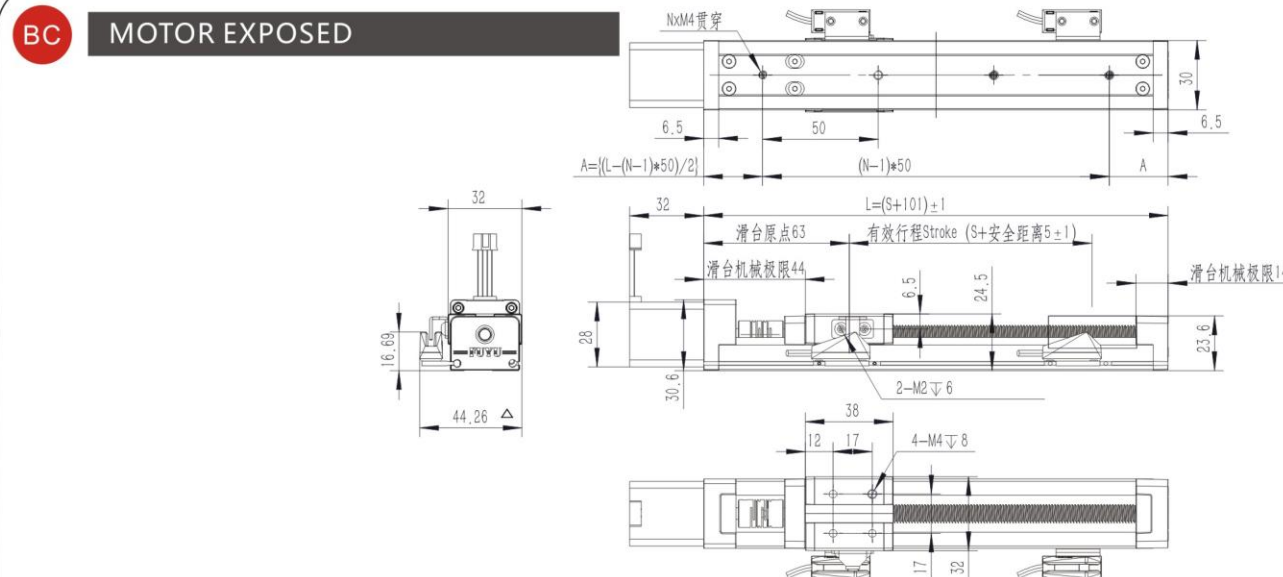
Touch screen	Controller	Limit switch	DC power model	Drive model
TPC7062HW	FSC-2A	FML-(NPN/PNP)	LRS-100-24	FMDD36D22NOM
	FMC4030		LRS-350-24	

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			
		[mm/s] Speed	40	40	40	40			80	80	60	60			240	200				
	Down Mounted	[mm/s] Speed	40	40	40				80	80	80				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				80	80	80				240	200	150			
		[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]	< 60																	
[°C] Storage temperature			-15°C—+60°C																	

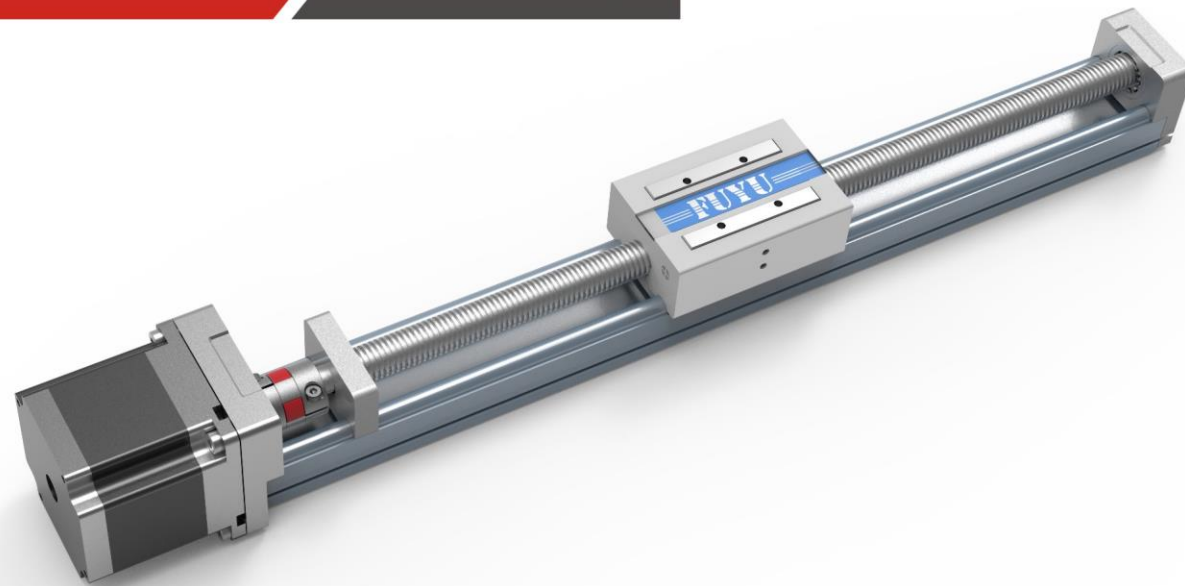
FSK30J-DIMENSIONAL DRAWING



[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

FSK40J LINEAR GUIDE



[mm]
Effective Stroke 50~1000

[kg]
Vertical reference Loading 10

[kg]
Horizontal reference Loadings 20

FSK40J-ORDERING METHOD

FSK40J		C7		10		E300		BC		B57		S					
Screw module - FSKJ series				Lead				Motor position				Brand name					
Model		Wide(mm)		screw lead				Motor folding direction				Servo motor					
FSK40J		40		05		5mm		BC		Motor Exposed		P		10:100W			
				10		10mm						T		20:200W			
				16		16mm						Y		40:400W			
Repeated Positioning Accuracy				Effective trip								M					
Screw accuracy		C7		±0.02		Screw Outer Diameter		Wide(mm)						C			
				Ø16		50-1000											
												Stepping motor					
												※ B57		57X76			
												B60		60X102			
												brake					
												Extra Enquiry If Need Brake					

FSK40J-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	

FSK40J-DIMENSIONAL DRAWING

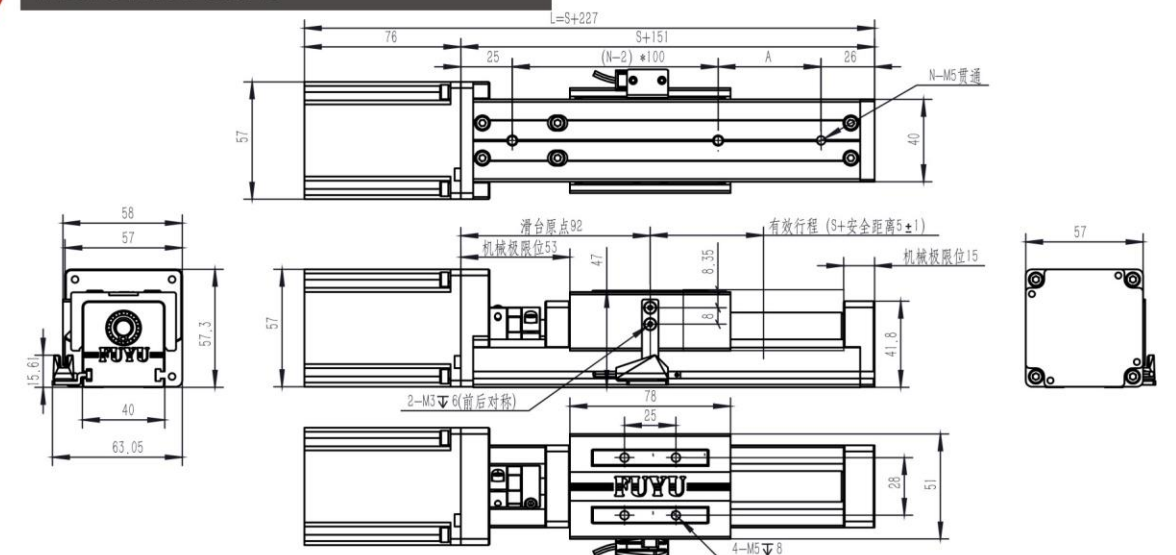
TECHNICAL PARAMETER

[mm] Position Accuracy			±0.02				
[mm] Ball Screw Diameter			φ16				
[mm] Lead			10				
5776 stepper motor	Horizontal	[kg] loadings	5	10	15	20	
		[mm/s] Speed	200	200	200	200	
	Side Mounted	[mm/s] Speed	100				
	Vertical	[mm/s] Speed	100	80			
		[mm/s] Speed	200	200			
	noise[dB]		≤60				
400W AC Servo Motor	Horizontal	[kg] loadings	5	10	15	20	
		[mm/s] Speed	350	350	320	320	
	Side Mounted	[mm/s] Speed	300				
	Vertical	[mm/s] Speed	300	250			
		[mm/s] Speed	300	300			
	noise[dB]		≤60				
[°C] Storage temperature			-15°C—+60°C				

FSK40-DIMENSIONAL DRAWING

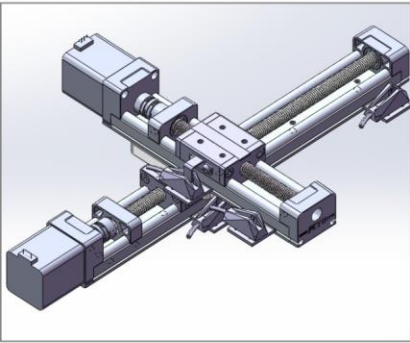
BC

MOTOR EXPOSED

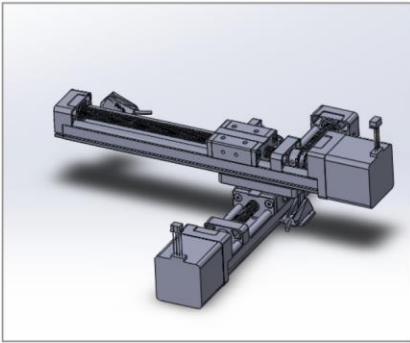


[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000
[mm] Linear Guide	277	327	377	427	477	527	577	627	677	727	827	927	1027	1127	1227
Total Length	1.94	2.06	2.18	2.3	2.42	2.54	2.66	2.78	2.9	3.02	3.26	3.5	3.74	3.98	4.22
[kg] Weight	337	387	437	487	537	587	637	687	737	787	887	987	1087	1187	1287

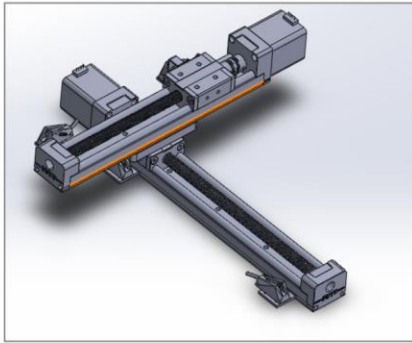
The installation length of nut shall be subject to the actual situation



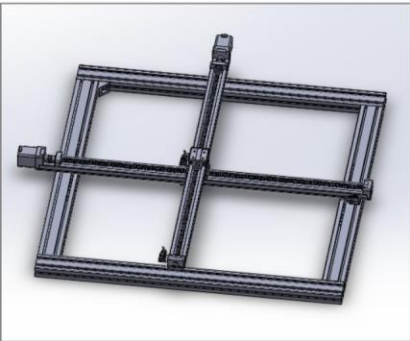
FSK30J XY-S



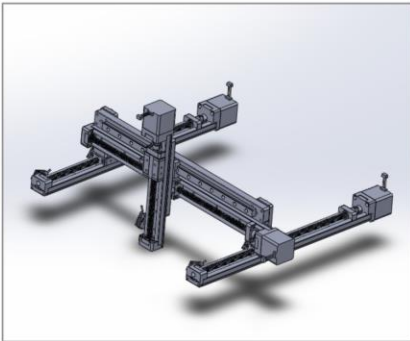
FSK30J-XY-S



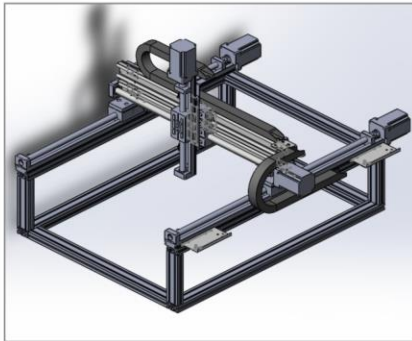
FSK30J-XY-S



FSK30J-XY-S



FSK30J-XYZ-L



FSK40J XYZ-L

LINEAR MOTION
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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



30mm
width
300mm
max stroke
3kg
max payload



40mm
width
1000mm
max stroke
25kg
max payload



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

FSK30-ORDERING METHOD

FSK30

04

E300

BC

B28

Screw module - FSK series

Model	Wide(mm)
FSK30	30

Effective trip

Screw Outer Diameter	Wide(mm)
Ø8	50-300

Motor position

Motor folding direction
BC Motor Exposed

Brand name

Stepping motor
B28 28X32
※ B35 35X36

Lead

screw lead
02 2mm
04 4mm
12 12mm

FSK30-OPTIONAL ACCESSORIES

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

FSK30-DIMENSIONAL DRAWING

TECHNICAL PARAMETER

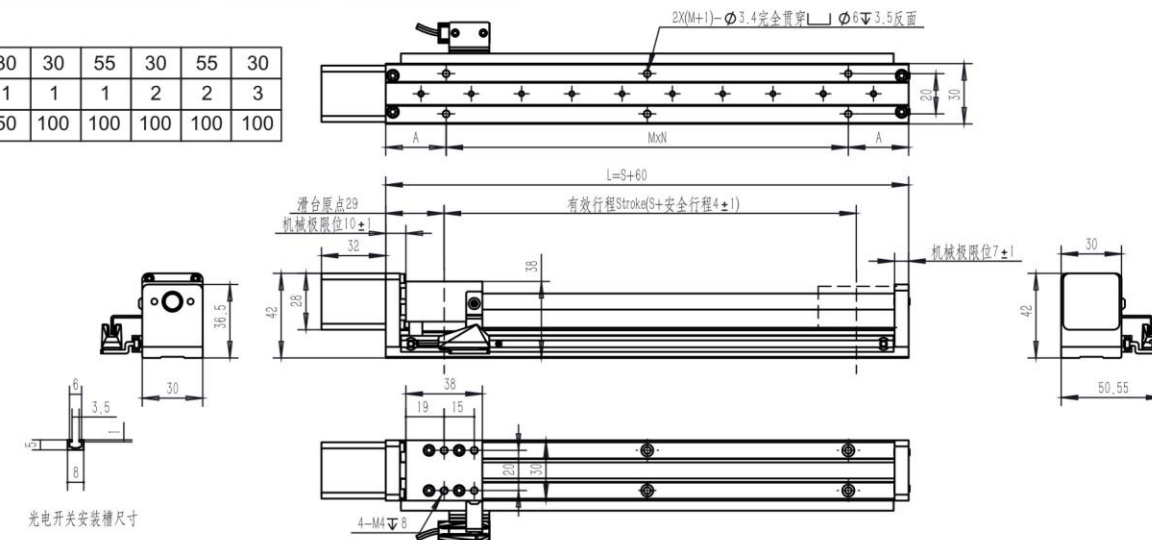
[mm] Position Accuracy			±0.02																			
[mm] Ladder type Screw Diameter			φ8						φ8						φ8							
[mm] Lead			2						4						12							
2832 stepper motor	Horizontal	[kg] loadings	0.5	1.0	1.5	2.0	2.5	3.0	0.5	1.0	1.5	2.0	2.5	3.0	0.5	1.0	1.5	2.0	2.5	3.0		
		[mm/s] Speed	40	40	40	40	40	40	80	80	80	80	80	80	240	240	220	220	200	200		
	Side Mounted	[mm/s] Speed	40	40	40				80	80	80				240	240	220					
		[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		
		[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℃—+60℃																			

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 Total Length	28 Stepper Motor	142	192	242	292	342	392												
		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

FSK40-ORDERING METHOD

FSK40	C7	10	E300	BC	B57	S
Screw module - FSK series		Lead		Motor position		厂牌 Brand name
Model	Wide(mm)	screw lead		Motor folding direction		Servo motor
FSK40	40	05	5mm	BC	Motor Exposed	P 10:100W
		10	10mm			T 20:200W
		16	16mm			Y
						M
Repeated Positioning Accuracy		Effective trip		Stepping motor		
Screw accuracy	C7	±0.02	Screw Outer Diameter	Wide(mm)	※ B57	57X56
			Ø12	50-500	B60	60X102
			Ø16	50-1000		
					brake	
					Extra Enquiry If Need Brake	

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

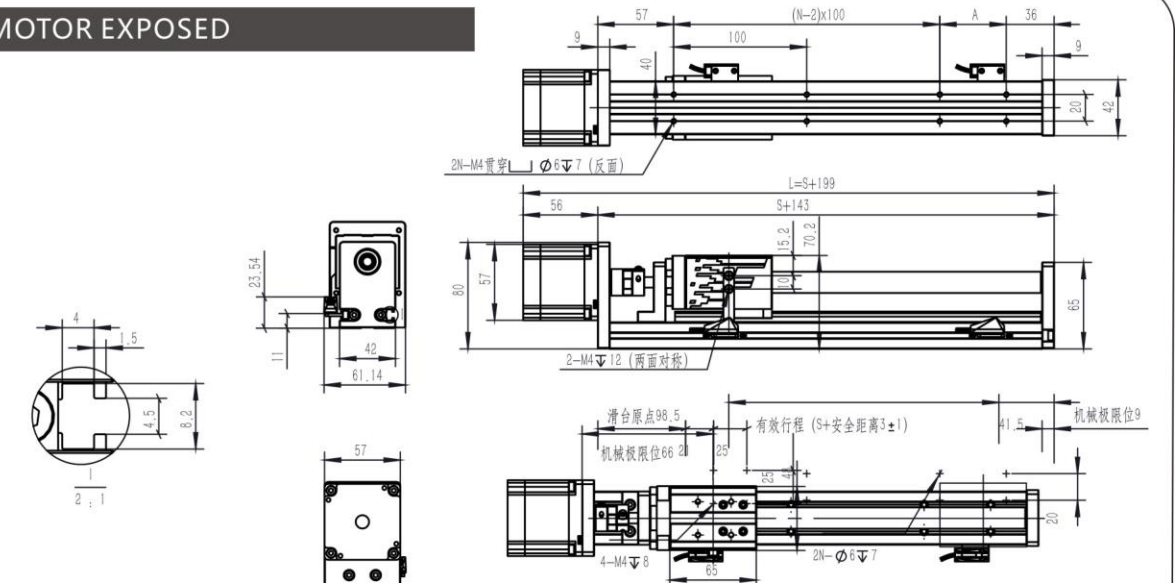
TECHNICAL PARAMETER

[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

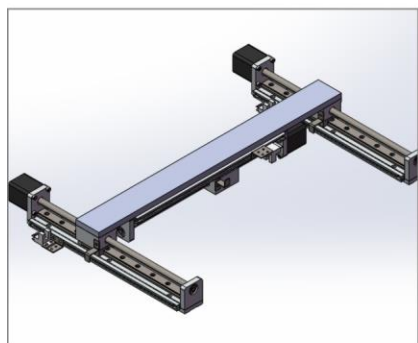
BC

MOTOR EXPOSED

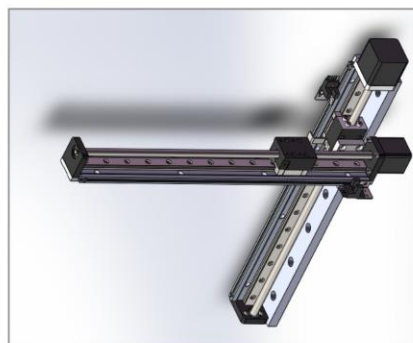


[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000
[mm] Linear Guide Total Length	249	299	349	399	449	499	549	599	649	699	799	899	999	1099	1199
[kg] Weight	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	4.0	4.4	4.8	5.2	5.6

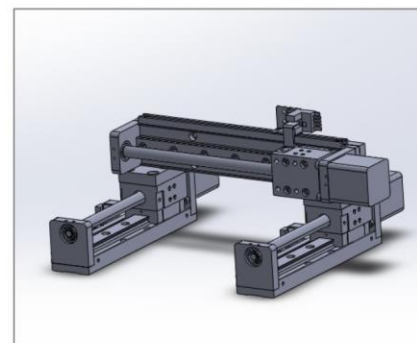
The installation length of nut shall be subject to the actual situation



FSK30 XY-H1



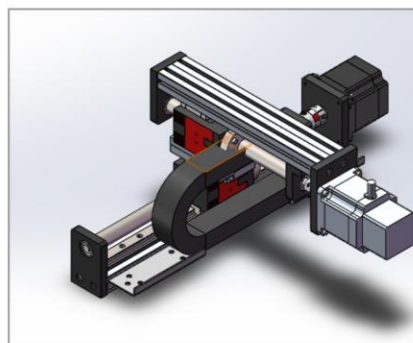
FSK30 XY-X



FSK30-XY-H2



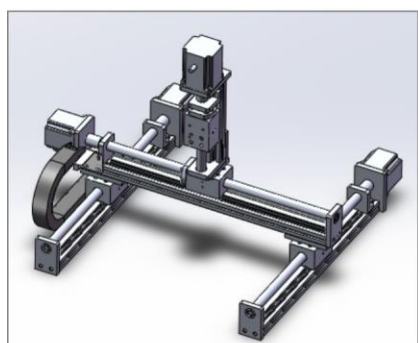
FSK40 XY-H1



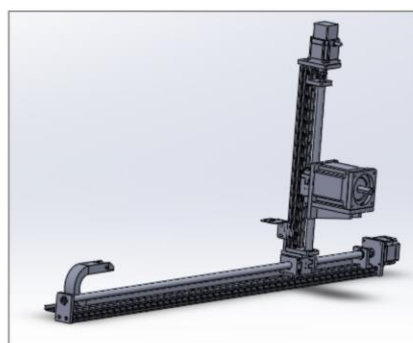
FSK40 XY-S



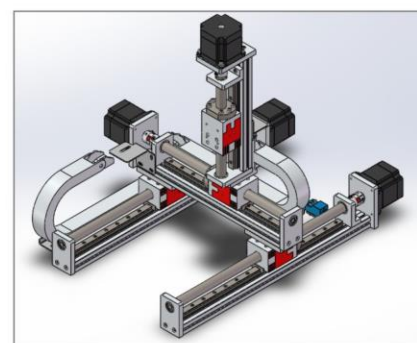
FSK40-FSK30J-XY-X



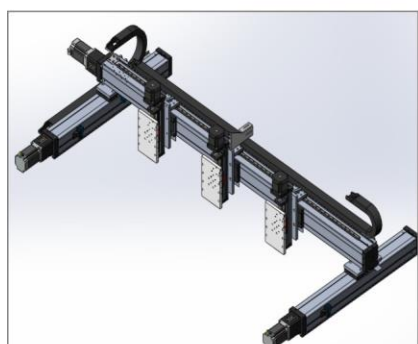
FSK40XY-H1



FSK40-XY-T



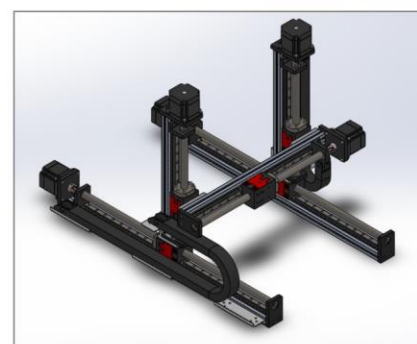
FSK40 XYZ-H1



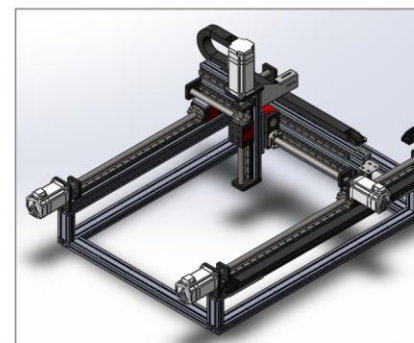
FSK40 XYZ-L



FSK40 XYZ-L



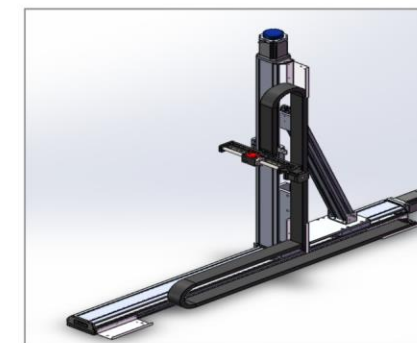
FSK40 XYZ-L



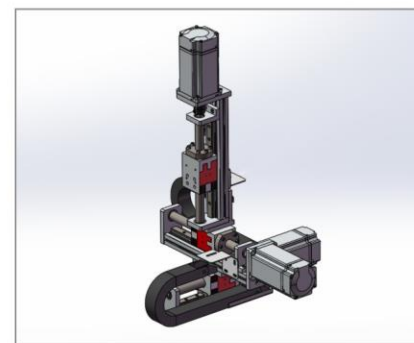
FSK40 XYZ-L



FSK40 XYZ-L



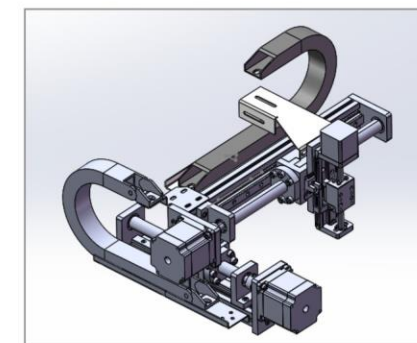
FSK40 XYZ-T



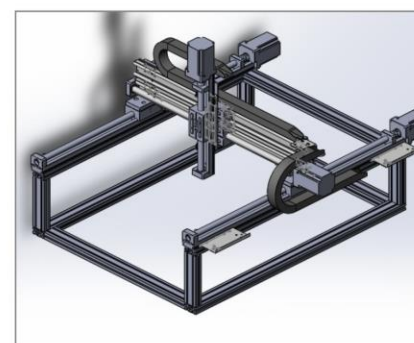
FSK40 XYZ-T



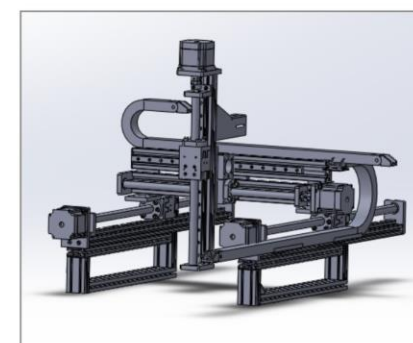
FSK40 XYZ-T



FSK40-FSK30 XYZ-X



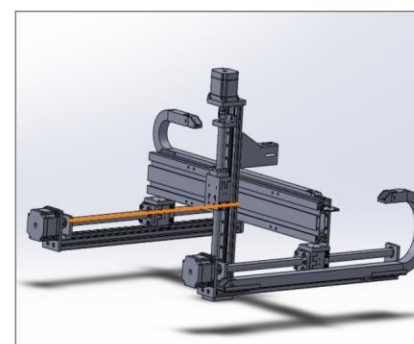
FSK40J XYZ-L



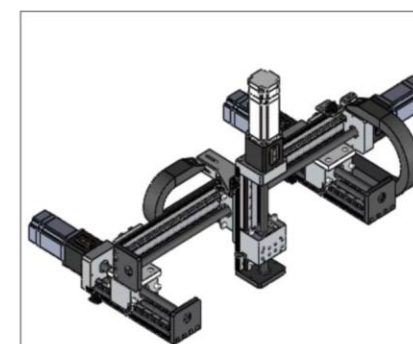
FSK40-XY-T



FSK40-XYZ



FSK40-XY



FSK80 XYZ-L



FSK80-FSK40-XYZ-T

LINEAR MOTION
SYSTEM INTELLIGENT
PRODUCTS
MANUFACTURER



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



60mm
width
1050mm
max stroke
40kg
max payload



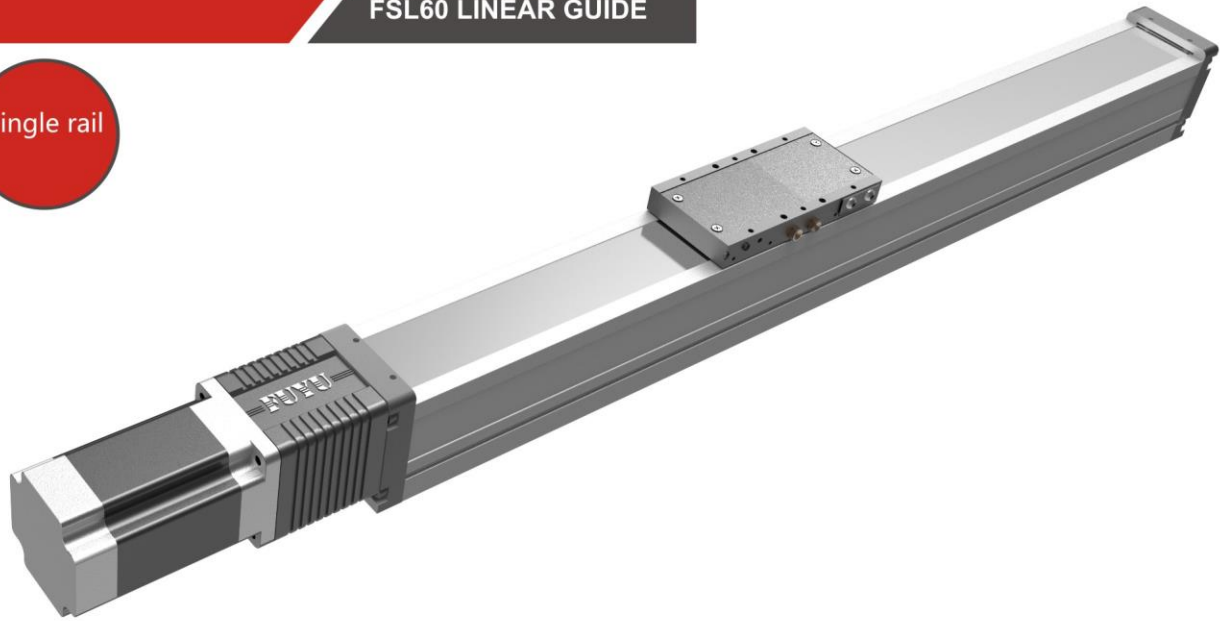
80mm
width
1200mm
max stroke
50kg
max payload



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

FSL60-ORDERING METHOD

FSL60	C7	10	E300	BC	B60	S
Screw module - FSL series		Lead		Motor position		Brand name
Model	Wide(mm)	screw lead		Motor folding direction		Servo motor
FSL60	60	05	5mm	BC	电机直连	Motor Exposed
		10	10mm	BL	电机左折	Motor Left Side
		20	20mm	BR	电机右折	Motor Right Side
				BD	电机下折	Motor Down Side
Repeated Positioning Accuracy		Effective trip				Stepping motor
Screw accuracy	C7	±0.02	Screw Outer Diameter	Wide(mm)		
			Ø16	50-1050		
						brake
						Extra Enquiry If Need Brake

FSL60-OPTIONAL ACCESSORIES

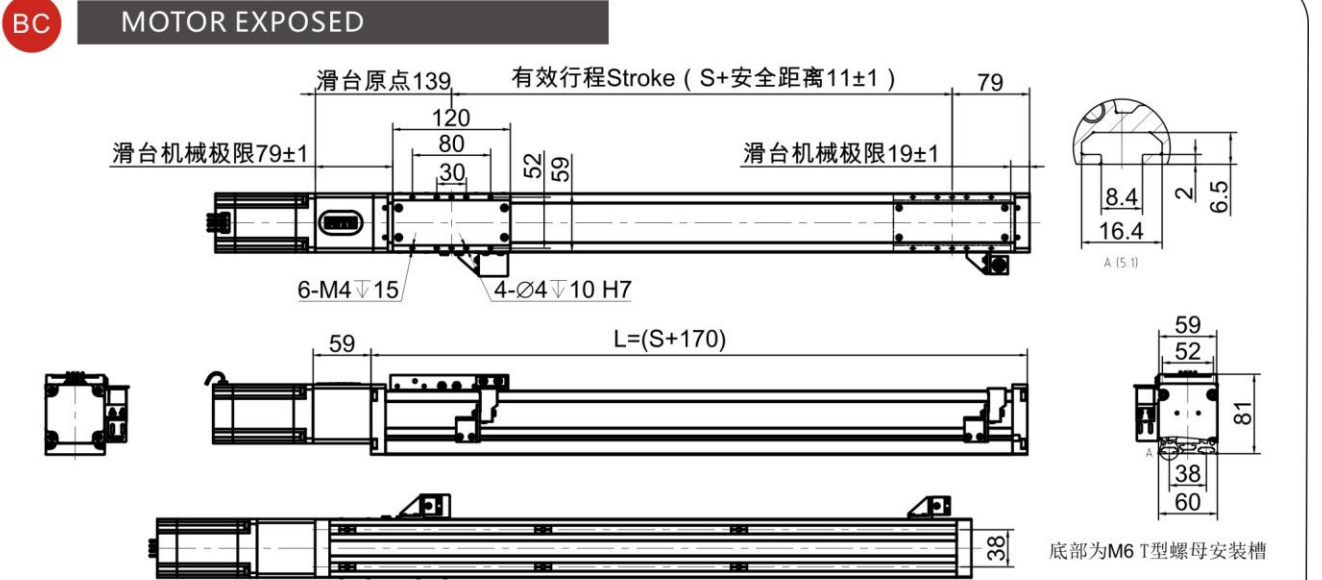
Touch screen	Controller	Limit switch	DC power model	Drive model
TPC7062HW	FSC-2A	SN04-N(NPN.NO)	PMT-24V350W	FMDD50D40NOM
	FMC4030	FML-(NPN/PNP)	LRS-350-24	

FSL60-TECHNICAL PARAMETER

TECHNICAL PARAMETER

[mm] Position Accuracy			±0.02																							
[mm] Ball Screw Diameter			φ16								φ16								φ16							
[mm] Lead			5								10								20							
60102 stepper 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	100	100	100	100	100	100	100	200	200	200	200	200	180	180	300	300	250	220	200	180	180			
	Side Mounted	[mm/s] Speed	80	80	50					180	180	100					220	200	150							
	Vertical	[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	200	200	200	200	400	400	400	400	400	400	400	400	400	400	400	400	400	400			
	Side Mounted	[mm/s] Speed	150	120	100					300	250	200					330	300	250							
	Vertical	[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℃—+60℃																							

FSL60-DIMENSIONAL DRAWING

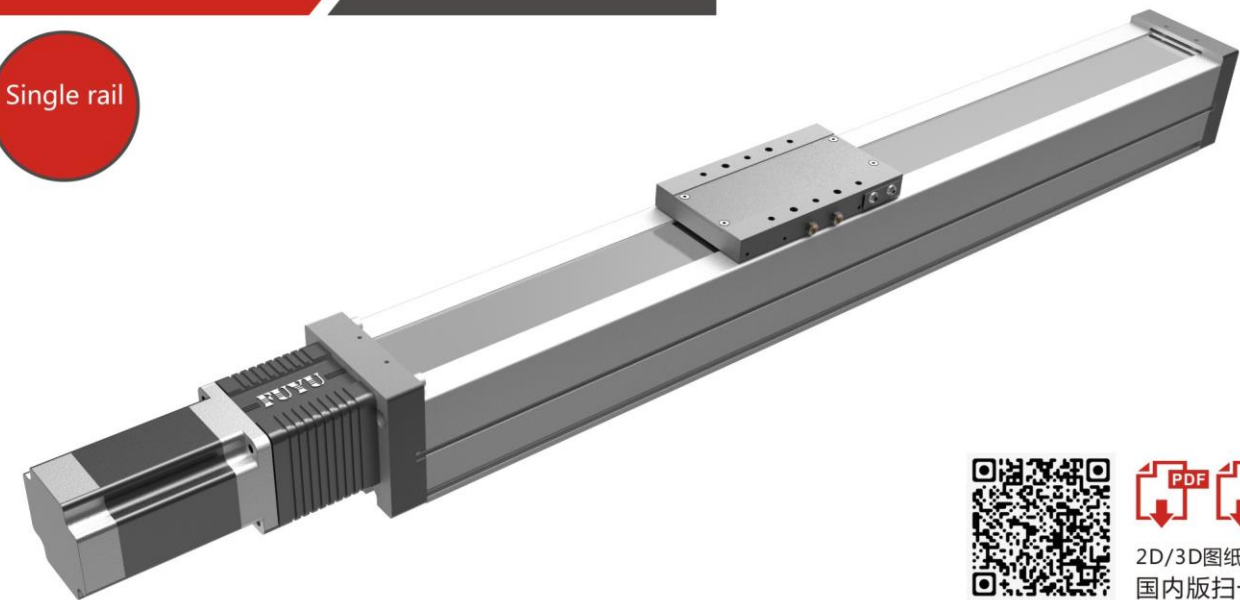


[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1050
[mm] Linear Guide Total Length	381	431	481	531	581	631	681	731	781	831	931	1031	1131	1231	1381
[kg] Weight	409	459	509	559	609	659	709	759	809	859	959	1059	1159	1259	1409

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

FSL80 LINEAR GUIDE

Single rail



2D/3D图纸下载
国内版扫一扫

[mm]
Effective Stroke 50~1200

[kg]
Vertical reference Loading 30

[kg]
Horizontal reference Loadings 50

FSL80-ORDERING METHOD

FSL80	C7	10	E300	BC	B86	S
Screw module - FSL series		Lead		Motor position		
Model	Wide(mm)	screw lead		Motor folding direction		
FSL80	80	10	10mm	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
Repeated Positioning Accuracy		Effective trip		Brand name		
Screw accuracy		Screw Outer Diameter	Wide(mm)	Servo motor		
C7		±0.02	Ø16	50~1200	P	20:200W
					T	40:400W
					Y	75:750W
					M	
					C	
				Stepping motor		
				B60		
				60X102		
				B86		
				86X98		
				brake		
				Extra Enquiry If Need Brake		

FSL80-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)	LRS-350-24	FMDT240A52NOM

FSL80 TECHNICAL PARAMETER

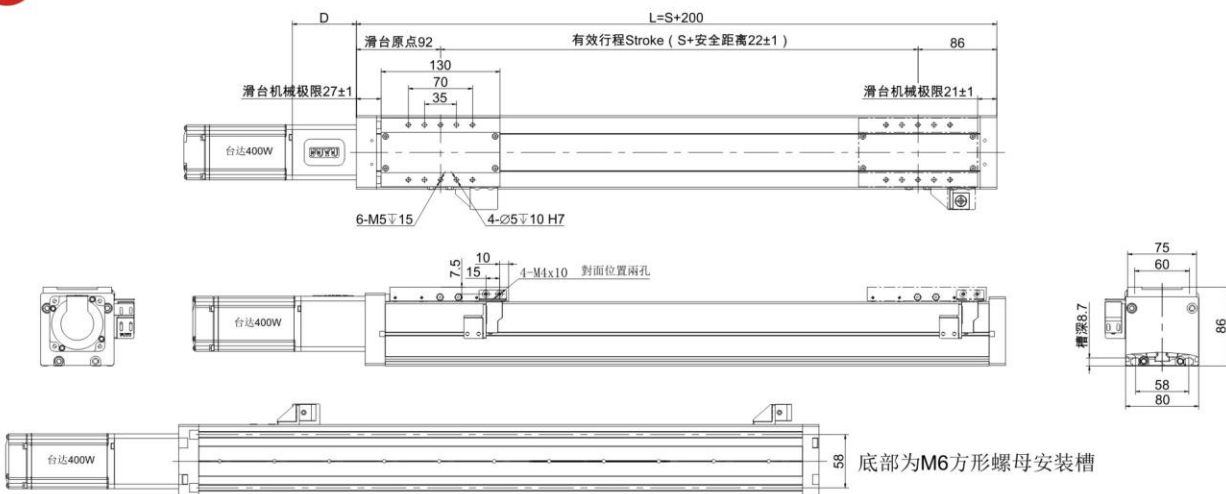
TECHNICAL PARAMETER

[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	
		[mm/s] Speed	200	200	200	200	200	200	180	180	100	100	
	Side Mounted	[mm/s] Speed	200	200	200	180							
	Vertical	[mm/s] Speed	180	180	180	160	100	80					
	Down Mounted	[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	
		[mm/s] Speed	400	400	400	400	400	400	400	380	380	380	
	Side Mounted	[mm/s] Speed	400	400	400	380							
	Vertical	[mm/s] Speed	400	400	400	350	350	350					
	Down Mounted	[mm/s] Speed	400	400	400	380							
	noise[dB]		≤75										
[°C] Storage temperature			-15°C—+60°C										

FSL80-DIMENSIONAL DRAWING

BC

MOTOR EXPOSED

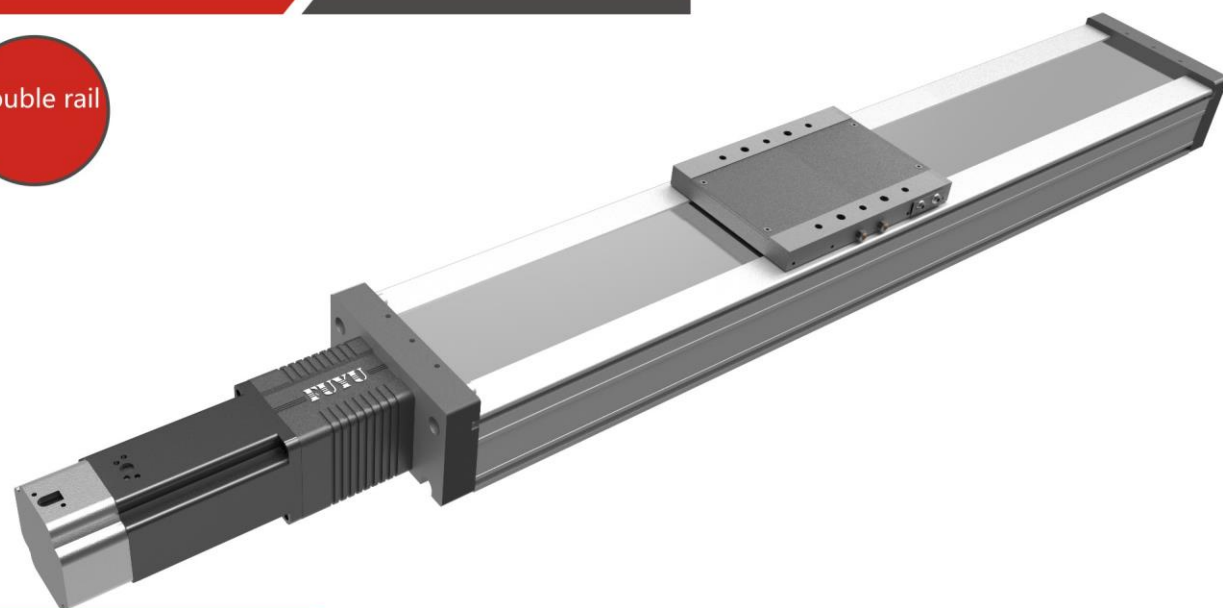


[mm] Stroke		50	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200
[mm] Linear Guide Total Length	60102 Stepper Motor	415	465	515	565	615	665	765	865	965	1015	1115	1265	1365	1465	1565
		3.8	4.1	4.4	4.7	5	5.3	5.9	6.5	7.1	7.7	8.3	8.9	9.5	10.1	10.7
[kg] Weight	400W AC Servo Motor	443	493	543	593	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	C7	10	E300	BC	B86	S
Screw module - FSL series		Lead		Motor position		Brand name
Model	Wide(mm)	screw lead		Motor folding direction		Servo motor
FSL120	120	05	5mm	BC	Motor Exposed	P 40:400W
		10	10mm	BL	Motor Left Side	T 75:750W
				BR	Motor Right Side	Y
				BD	Motor Down Side	M
						C
Repeated Positioning Accuracy		Effective trip		Stepping motor		
Screw accuracy		Screw Outer Diameter	Wide(mm)	B86	86X98	
C7	±0.02	Ø16	50-1050	※	86X128	
		Ø20	50-1500			
				brake		
				Extra Enquiry If Need Brake		

FSL120-OPTIONAL ACCESSORIES

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

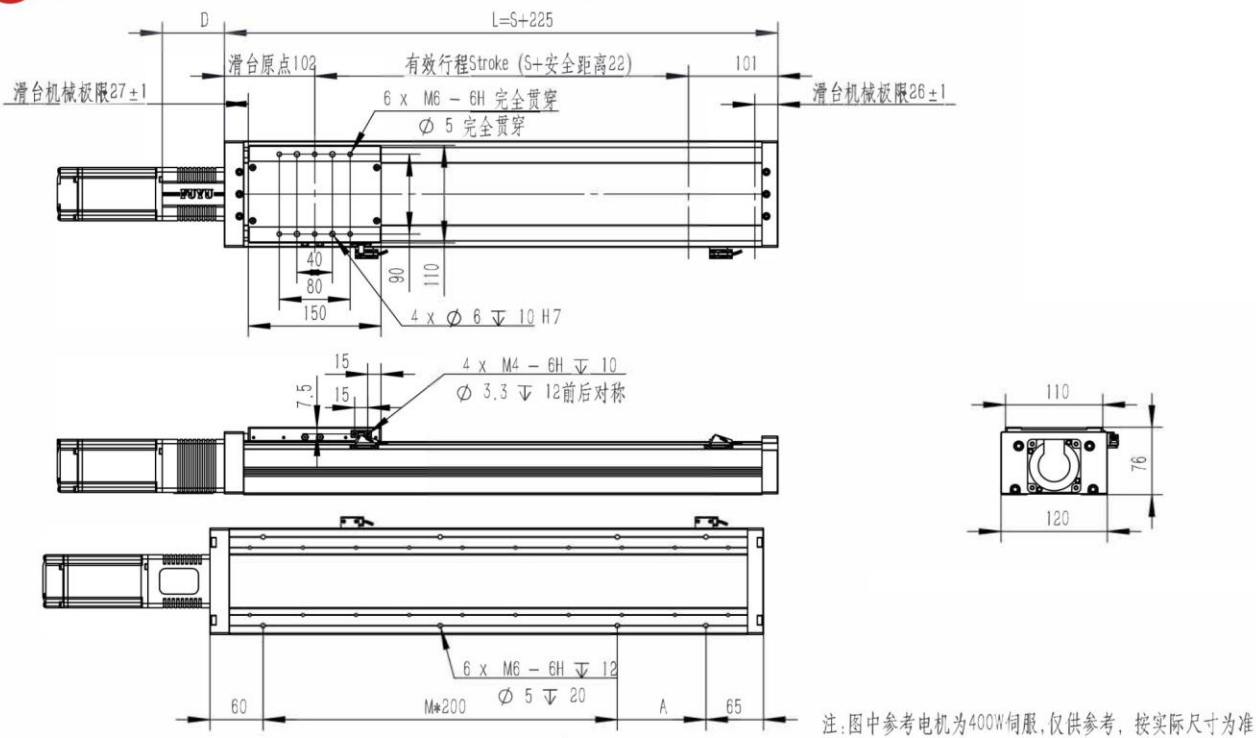
FSL120-TECHNICAL PARAMETER

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	100	80	80	200	200	200	200	200	200	200	200	160	160		
	Side Mounted	[mm/s] Speed	100	100	100	100								200	200	200	200							
	Vertical	[mm/s] Speed	100	100	100	100	90								200	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	400		
	Side Mounted	[mm/s] Speed	200	200	200	200								400	400	400	400							
	Vertical	[mm/s] Speed	200	200	200	200	200								400	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	500		
	Side Mounted	[mm/s] Speed	250	250	250	250								500	500	500	500							
	Vertical	[mm/s] Speed	250	250	250	250	250								500	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																					

BC

MOTOR EXPOSED

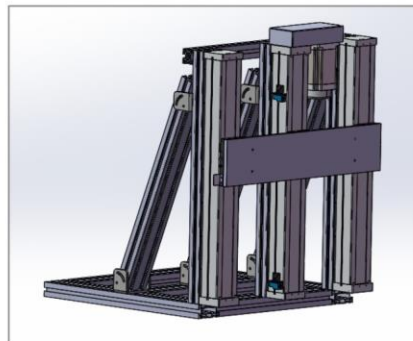


[mm] Stroke		50	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200
[mm] Linear Guide Total Length	86128	489	539	589	639	689	739	839	939	1039	1139	1239	1339	1439	1539	1639
	Stepper Motor	5.8	6.3	6.8	7.3	7.8	8.3	9.3	10.3	11.3	12.3	13.3	14.3	15.3	16.3	17.3
[kg] Weight	400W	489	539	589	639	689	739	839	939	1039	1139	1239	1339	1439	1539	1639
	AC Servo Motor	5.6	6.3	7.0	7.7	8.4	9.1	10.5	11.9	12.9	13.9	14.9	15.9	16.9	17.9	18.9
[mm] Stroke		1300	1400	1500												
[mm] Linear Guide Total Length	86128	1739	1839	1939												
	Stepper Motor	18.3	19.3	20.3												
[kg] Weight	400W	1739	1739	1939												
	AC Servo Motor	19.9	20.9	21.9												

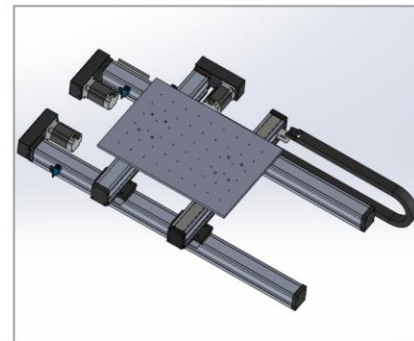
The installation length of nut shall be subject to the actual situation



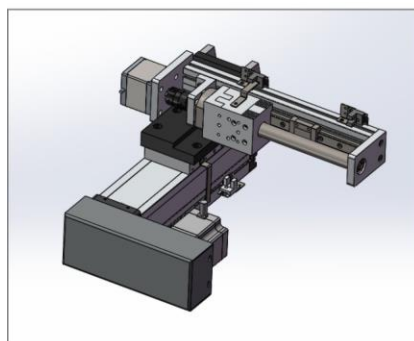
FSL60



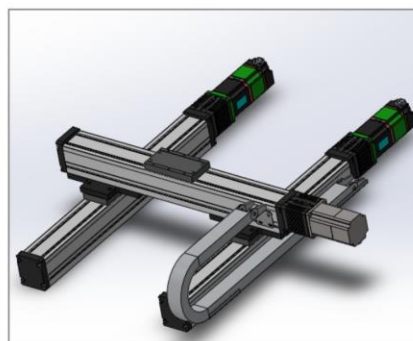
FSL80



FSL60 H1



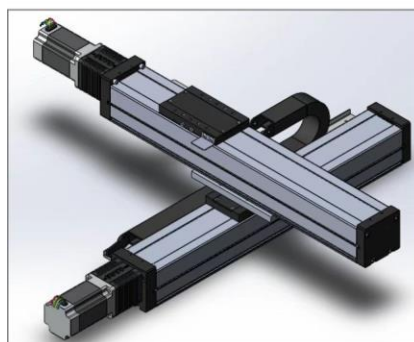
FSL60-FSK40 XY-X



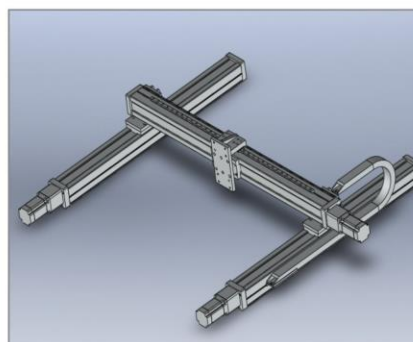
FSL60-XY-H1



FSL80 XY-H2



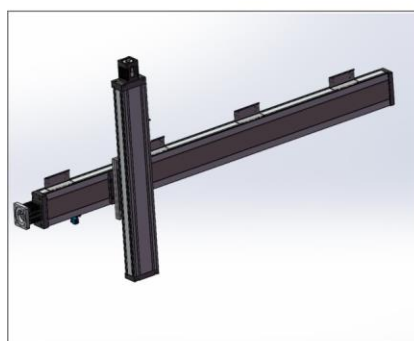
FSL80 XY-S



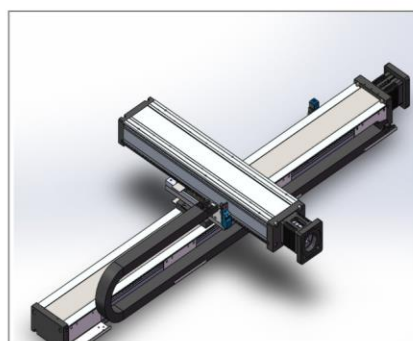
FSL80XY-H2



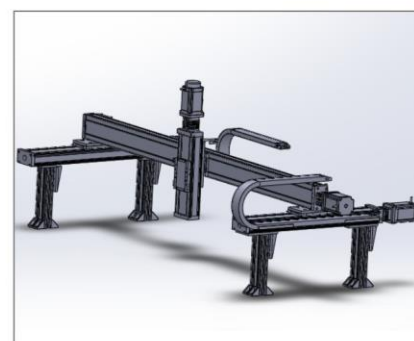
FSL120 XY-H2



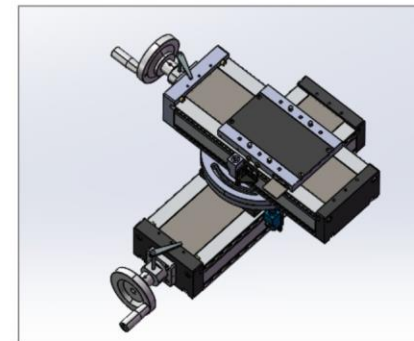
FSL120 XY-S



FSL120 XY-S



FSL120-XYZ-L



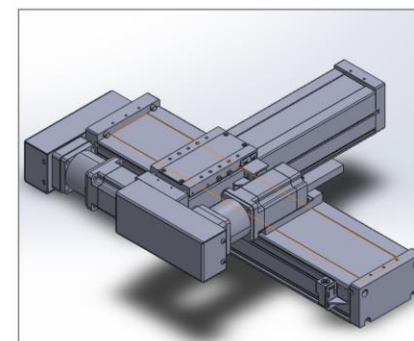
FSL120 XY-S



FSL120 XY-T



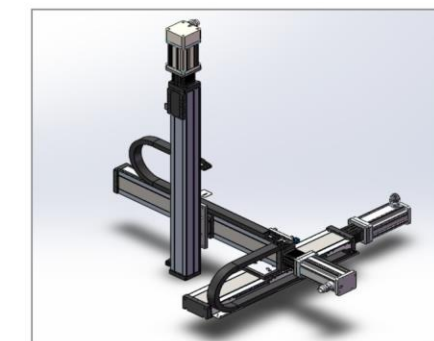
FSL120 XY-T



FSL120-FSL80-XY-S



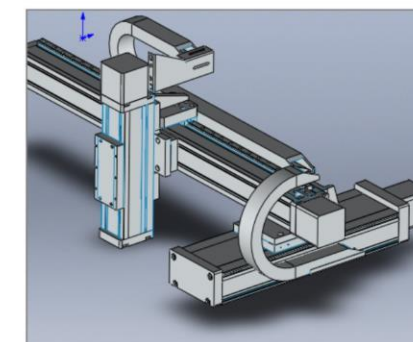
FSL60 XYZ-L



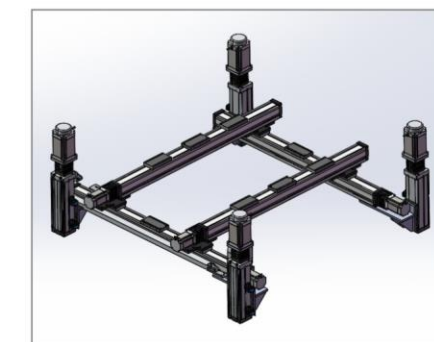
FSL120 XYZ-X



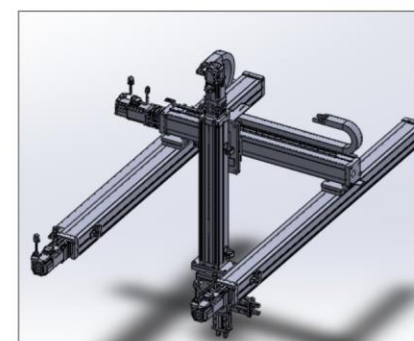
FSL60 YZ-S



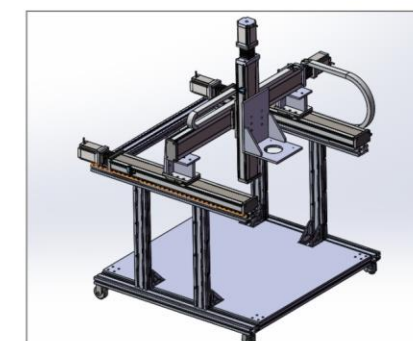
FSL60XYZ-X



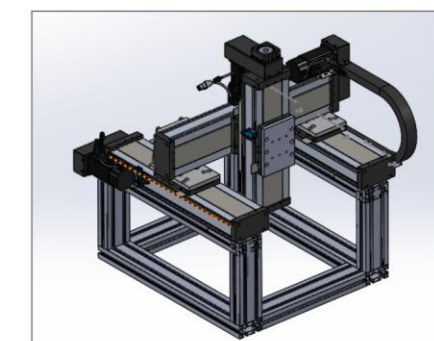
FSL80-FSL60 XYZ



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



60mm
width
3900mm
max stroke
20kg
max payload



80mm
width
3900mm
max stroke
30kg
max payload

Single rail



[kg]
Horizontal reference Loadings

FBL60

E300

BL

B60

S

Belt module FBL series

Effective trip

Motor position

 Brand name

Model	Wide(mm)
FBL60	60

Model	Stroke (mm)
FBL60	E100-3900

Motor folding direction	
BL	Motor Left Side
BR	Motor Right Side

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

Stepping motor	
B60	✖ 60X102

brake

Extra Enquiry If Need Brake

Touch screen

Controller

Limit switch

DC power model

Drive model

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

TECHNICAL PARAMETER

[mm] Position Accuracy			±0.05			
[mm] Lead			140			
60102 stepper motor		[kg] loadings	5KG	10KG	15KG	20KG
		[mm/s] Speed	800	500	500	500
		[mm/s] Speed	500			
		[mm/s] Speed	500			
	noise[dB]		≤75			
400W AC Servo Motor		[kg] loadings	5KG	10KG	15KG	20KG
		[mm/s] Speed	2000	2000	2000	2000
		[mm/s] Speed	2000			
		[mm/s] Speed	2000			
	noise[dB]		≤75			
[°C] Storage temperature			-15°C—+60°C			

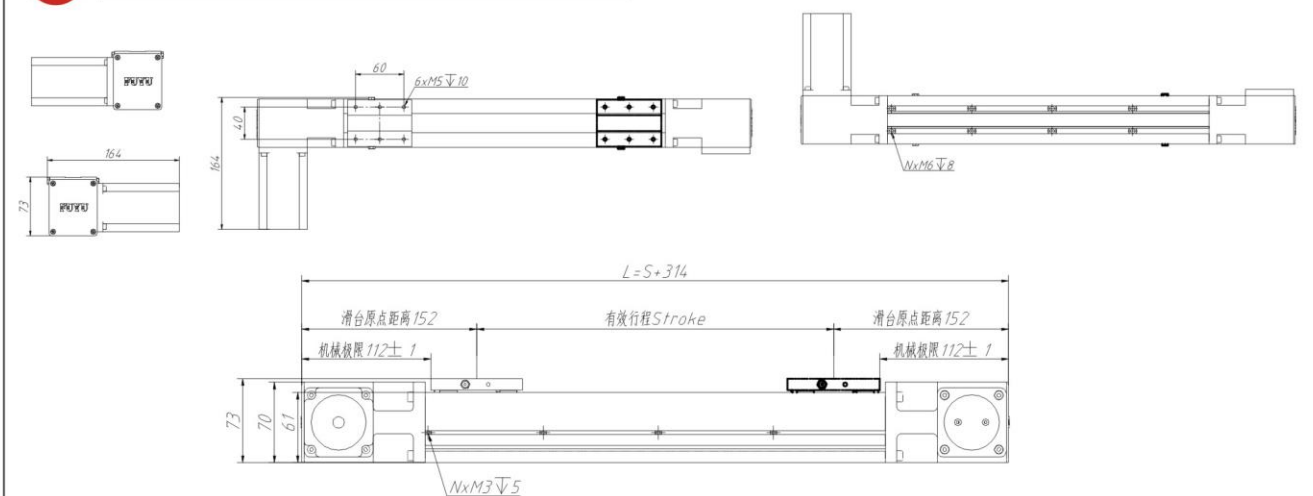
BL

MOTOR LEFT SIDE

A : 尾部相邻孔间距
A : Distance between

M : 阵列数
M : Number of arrays

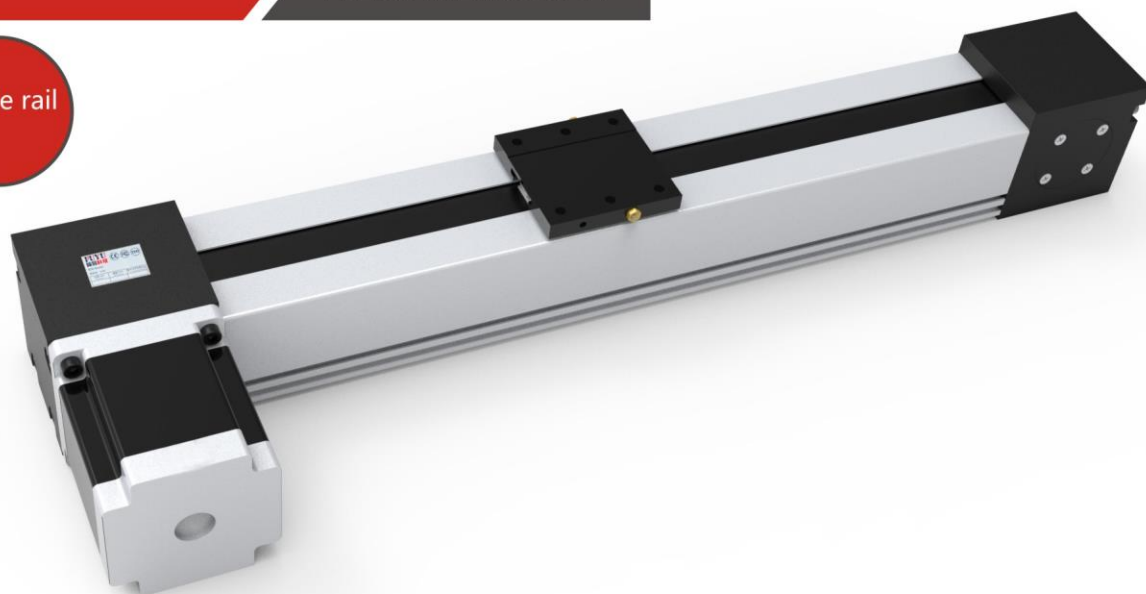
N : 安装孔个数
N : Number of mounting holes



[mm] Stroke		100	200	300	400	500	600	700	800	900	1000	1500	2000	3000	3500	3900
[mm] Linear Guide Total Length	60102 Stepper Motor	414	514	614	714	814	914	1014	1114	1214	1314	1814	2314	2814	3814	4214
		6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	13.0	15.5	20.5	23.0	25.5
[kg] Weight	400W AC Servo Motor	442	542	642	742	842	942	1042	1142	1242	1342	1842	2342	3342	3842	4242
		6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	13.0	15.5	20.5	23.0	25.5

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

Single rail



[kg]
Horizontal reference Loadings

FBL80

Model	Wide(mm)
FBL80	80

E300

Model	Stroke (mm)
FBL80	E100-7000

BL

Motor folding direction	
BL	Motor Left Side
BR	Motor Right Side

B86

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

Stepping motor

B86	※ 86X98
-----	---------

brake

Extra Enquiry If Need Brake

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

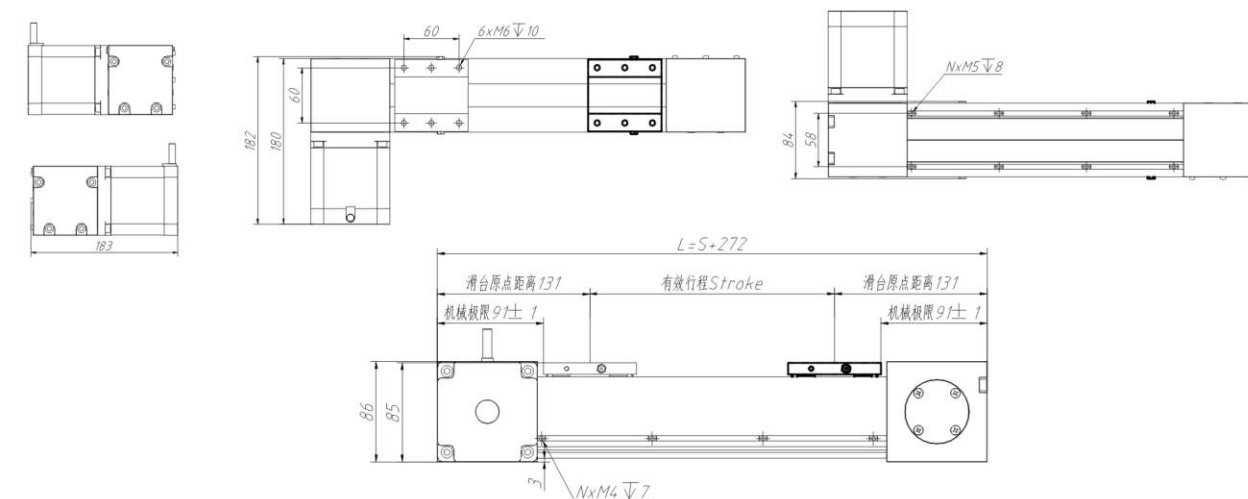
TECHNICAL PARAMETER

[mm] Position Accuracy			±0.05					
[mm] Lead			165					
8698 stepper motor	Horizontal	[kg] loadings	5KG	10KG	15KG	20KG	25KG	30KG
		[mm/s] Speed	2000	2000	2000	2000	1500	1500
	Side Mounted	[mm/s] Speed	1000	1000				
	Vertical	[mm/s] Speed	1000	1000				
	noise[dB]		≤75					
400W AC Servo Motor	Horizontal	[kg] loadings	5KG	10KG	15KG	20KG	25KG	30KG
		[mm/s] Speed	3000	3000	3000	3000	3000	3000
	Side Mounted	[mm/s] Speed	2000	2000				
	Vertical	[mm/s] Speed	2000	2000				
	noise[dB]		≤75					
[°C] Storage temperature			-15℃—+60℃					

BL

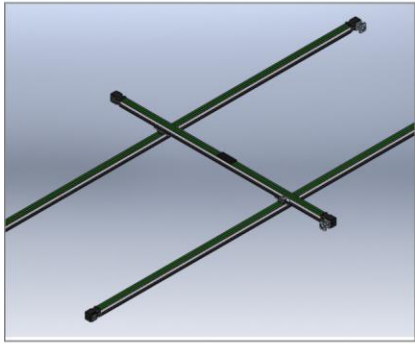
MOTOR LEFT SIDE

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



[mm] Stroke		100	200	300	400	500	600	700	800	900	1000	1500	2000	3000	3500	3900
[mm] Linear Guide Total Length	8698 Stepper Motor	372	472	572	672	772	872	972	1072	1172	1272	1772	2272	3272	3772	4172
		9.0	9.5	10	10.5	11	11.5	12	12.5	13	13.5	16	18.5	23.5	26	28
[kg] Weight	400W AC Servo Motor	404	504	604	704	804	904	1004	1104	1204	1304	1804	2304	3304	3804	4204
		8.8	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	15.8	18.3	23.3	25.8	28.3

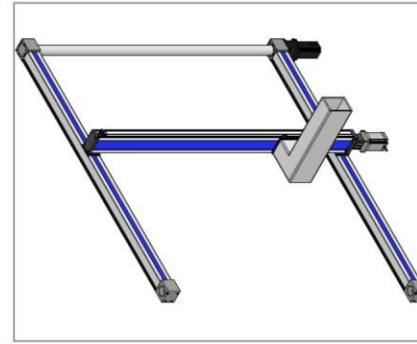
The installation length of nut shall be subject to the actual situation



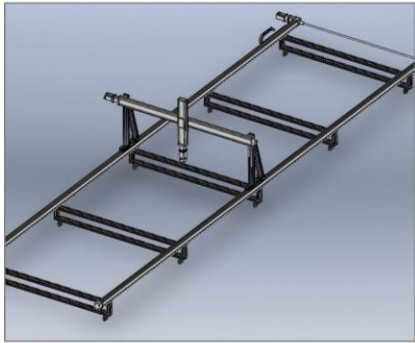
FBL60 XY-H1



FBL60-FSL60



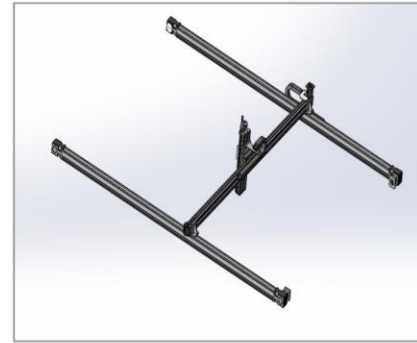
FBL80FSL12XY-H2



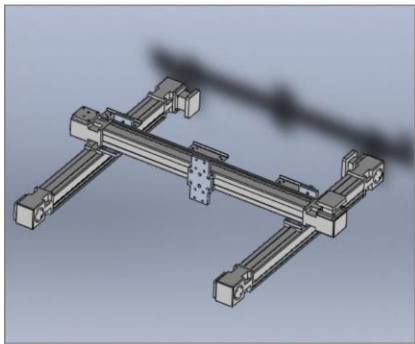
FBL80FSL120XY-L



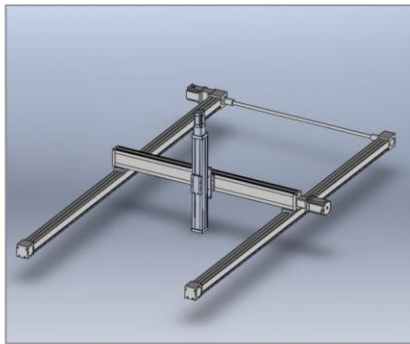
FBL60-FSL60-XYZ-L



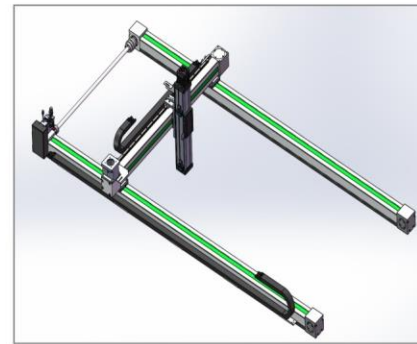
FBL60-FTH10 XYZ-L



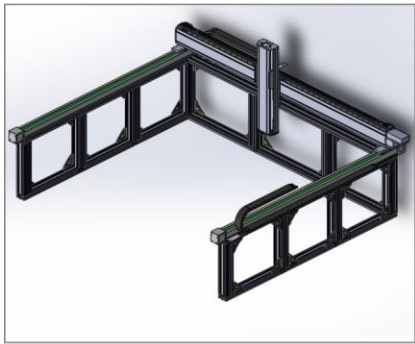
FBL60XY-H2



FBL80 FSL120 FSL80 XYZ-L



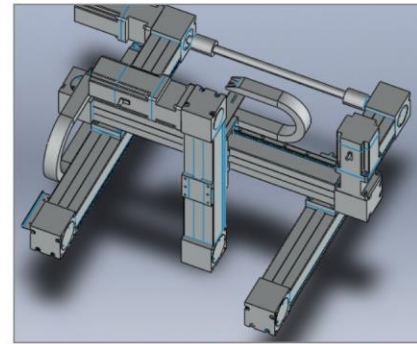
FBL80 XYZ-L



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

FPB

SYNCHRONOUS BELT MODULE

Low noise and lightweight



30mm
width
3500mm
max stroke
8kg
max payload



45mm
width
3500mm
max stroke
15kg
max payload

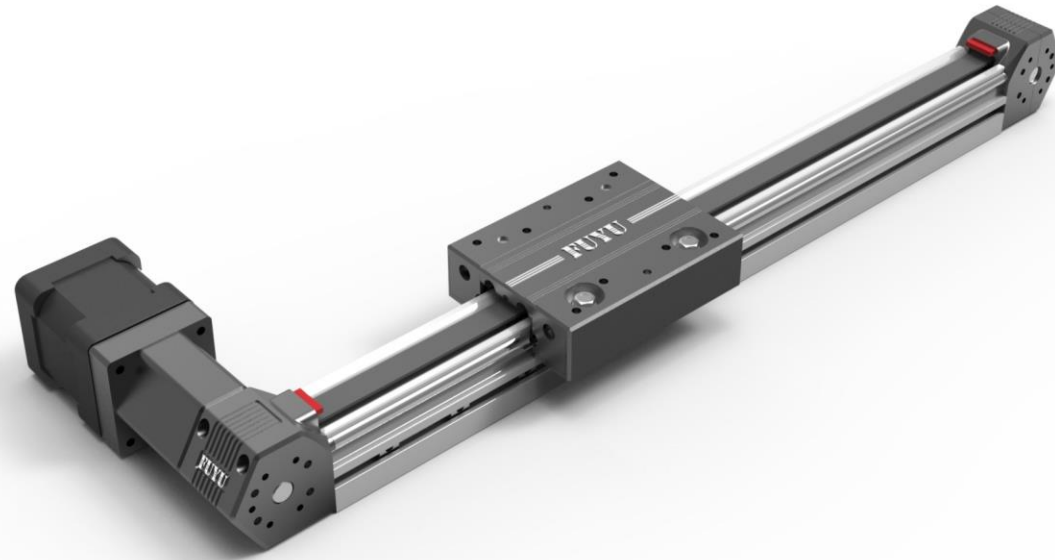


50mm
width
3500mm
max stroke
25kg
max payload



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 FPB30	Wide(mm) 30	Model FPB30	Stroke (mm) E100-3500	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
			Servo motor	P 40:400W
			T	
			Y	
			M	
			C	
			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

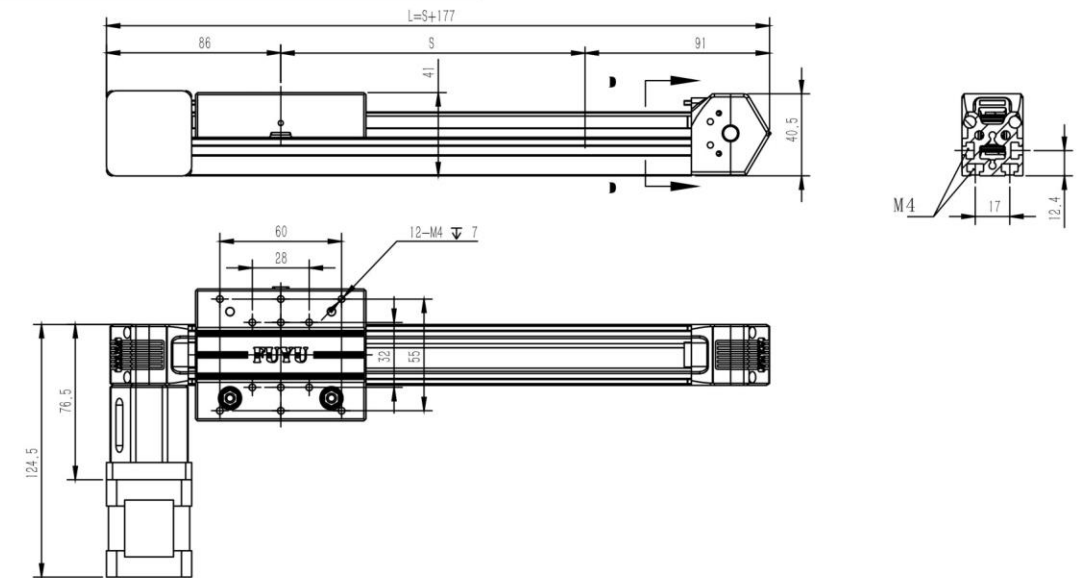
TECHNICAL PARAMETER

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

FPB30-DIMENSIONAL DRAWING

BL

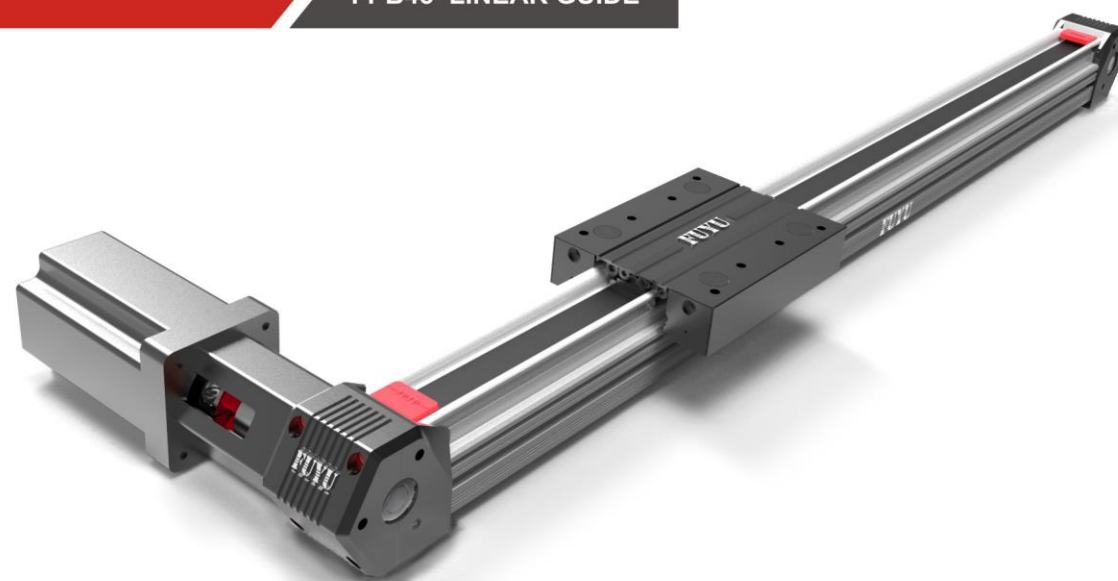
MOTOR LEFT SIDE



[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℃—+60℃				

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

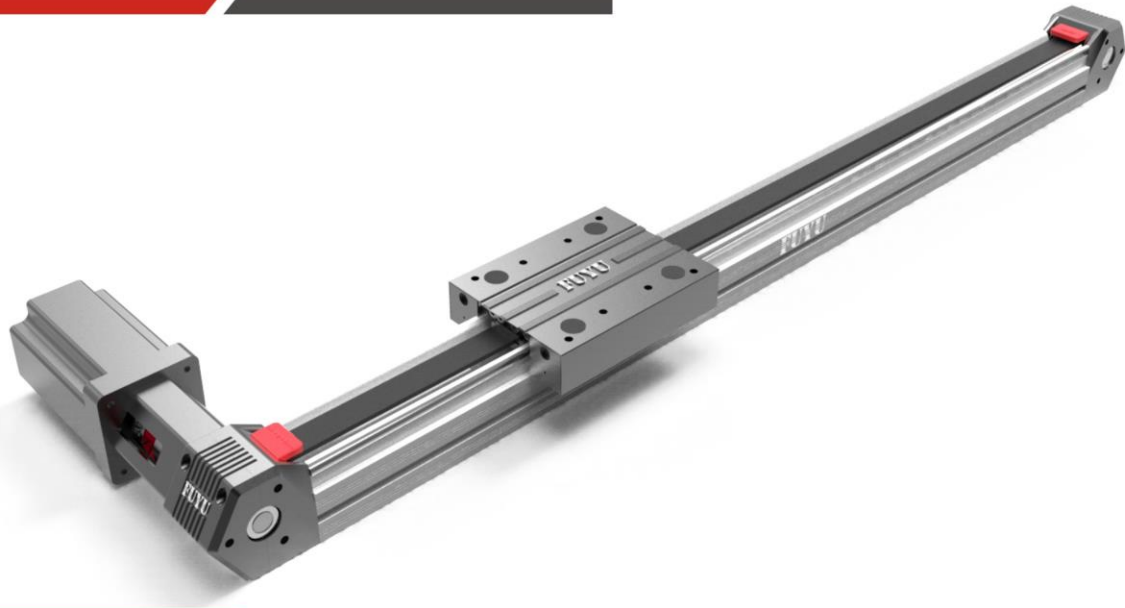
N : 安装孔个数

N : Number of mounting holes

Technical drawing of the motor left side showing dimensions and assembly details. The main drawing shows a side view with dimensions: 124, 58.5, 60, 60, 124, 60

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		
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				
[mm] Lead			95				
5776 stepper motor	[kg] loadings		5KG	10KG	15KG		
	Horizontal	[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	[kg] loadings		5KG	10KG	15KG	20KG	25KG
	Horizontal	[mm/s] Speed	2000	2000	2000	2000	1500
	Side Mounted	[mm/s] Speed	2000	2000			
	Vertical	[mm/s] Speed	2000	2000			
	noise[dB]		≤70		≤60		≤55
[°C] Storage temperature			-15°C—+60°C				

FPB50-DIMENSIONAL DRAWING

BL

MOTOR LEFT SIDE

Technical drawing of the BL MOTOR LEFT SIDE showing dimensions and motor options. The drawing includes a side view with dimensions 135, stroke, 63, 62, and a formula $L=S+270$. It also shows a front view with dimensions 126, 100, 36, 68, 80, 97, 15.8, 36, 8.7, 50, 103, and 1205. A detail view shows an M5 screw and an 8xM6 screw with a 12-degree chamfer.

[mm] Stroke		100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500
[mm] Linear Guide Total Length	5776	370	470	570	670	770	870	970	1070	1170	1270	1770	2270	2770	3270	3770
	Stepper Motor	4.58	4.84	5.1	5.36	5.62	5.88	6.14	6.4	6.66	6.92	8.22	9.52	10.8	12.1	13.4
[kg] Weight	400W	424	524	624	724	824	924	1024	1124	1324	1424	1824	2324	2824	3324	3824
	AC Servo Motor	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	9.6	11.1	12.6	14.1	15.6

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

FPB60 LINEAR GUIDE



Component	Value	Unit
Effective Stroke	100~3500	[mm]
Vertical reference Loading	20	[kg]
Horizontal reference Loadings	35	[kg]

FPB60-ORDERING METHOD

FPB60-ORDERING METHOD

FPB60

Belt module FPB series

Model	Wide(mm)
FPB60	60

E300

Effective trip

Model	Stroke (mm)
FPB60	E100-3500

L

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

B57

Brand name

Servo motor	
P	40:400W
T	
Y	
M	
C	

S

Stepping motor

B57	57X76
※ B60	60X102

brake

Extra Enquiry If Need Brake

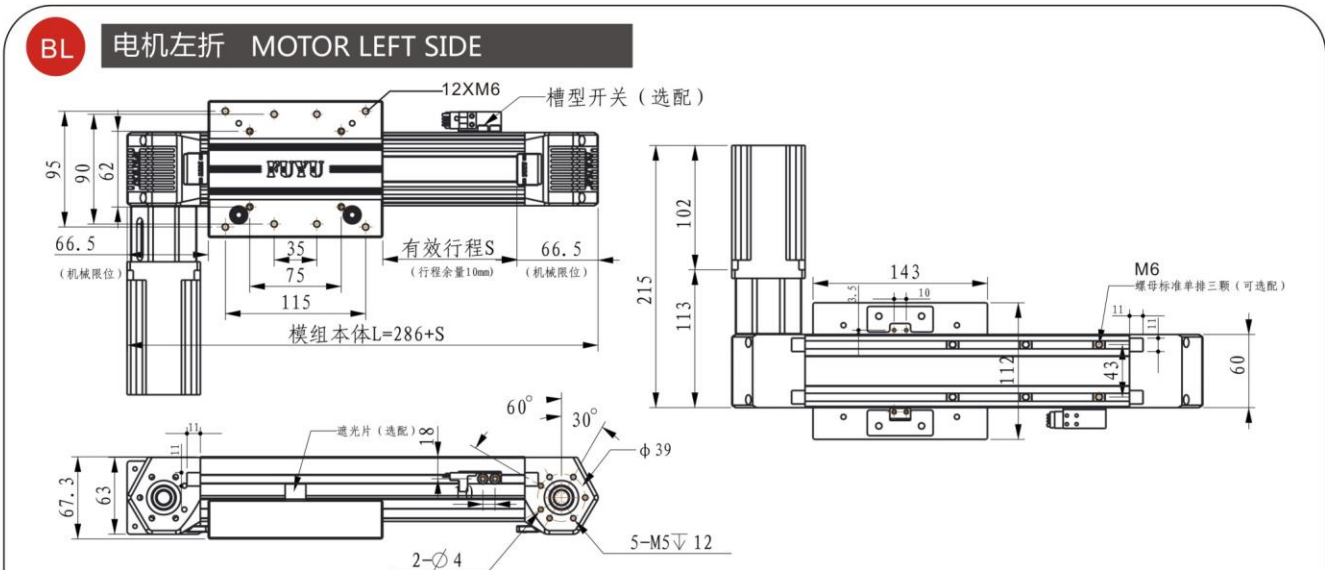
FPB60-OPTIONAL ACCESSORIES

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

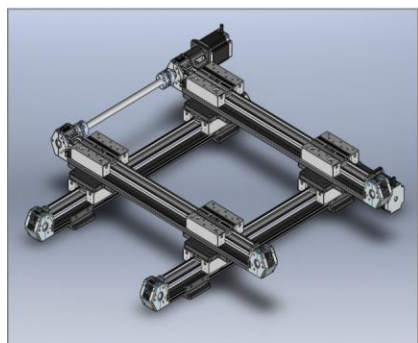
[illegible]

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	5776	386	486	586	686	786	886	986	1086	1186	1286	1786	2286	2786	3286	3786
	Stepper Motor	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
[kg] Weight	400W	440	540	640	740	840	940	1040	1140	1240	1340	1840	2340	2840	3340	3840
	AC Servo Motor	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



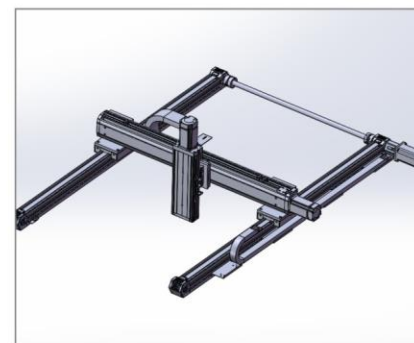
FPB45 XY-S



FPB50



FPB60 XY-T



FPB60-FTH12 XYZ-L



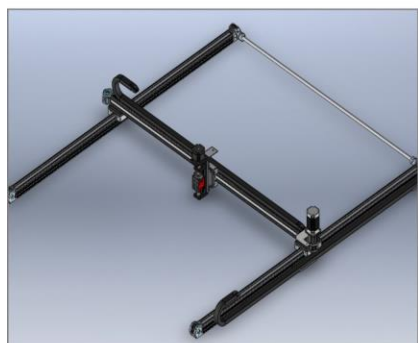
FPB60 XY-T



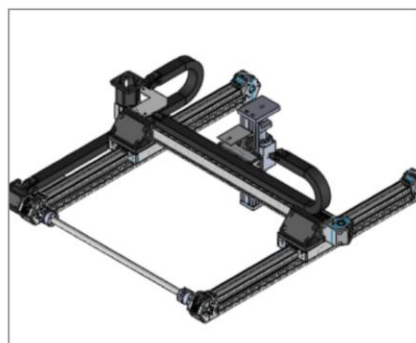
FPB60XY-H2



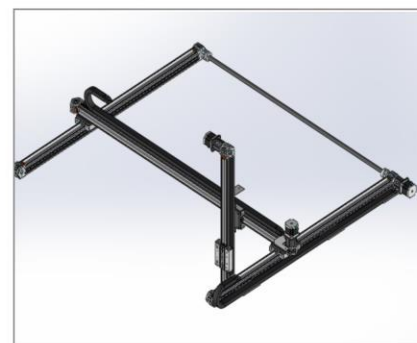
FPB60-XY



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



102mm
width
1050mm
max stroke
30kg
max payload



102mm
width
1050mm
max stroke
50kg
max payload



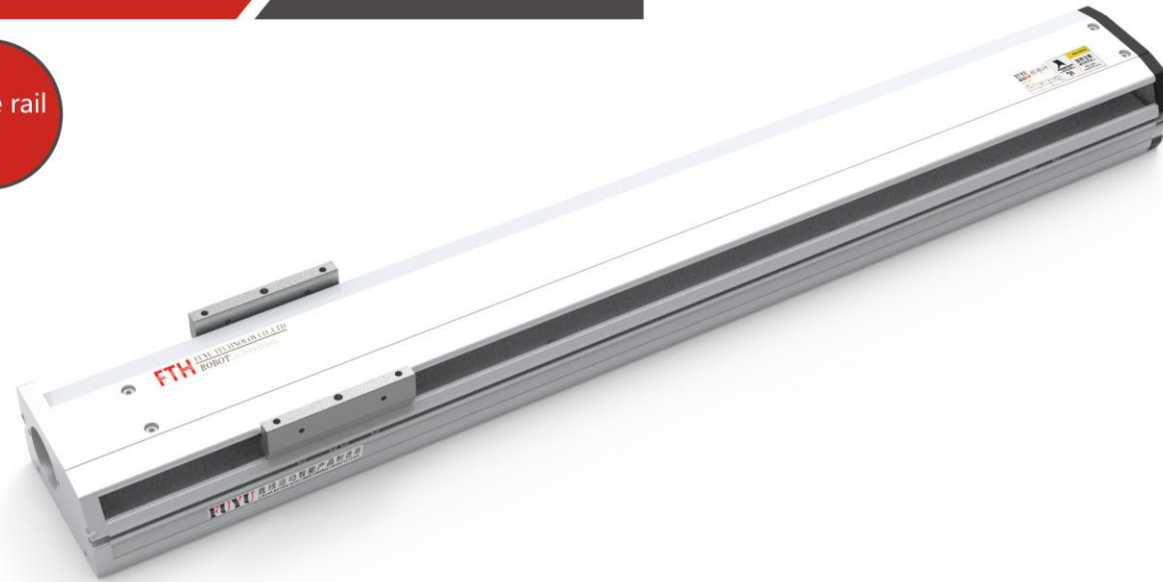
135mm
width
1250mm
max stroke
80kg
max payload



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
		10	10mm	BC	Motor Exposed	T 75:750W
				BL	Motor Left Side	Y
				BR	Motor Right Side	M
				BD	Motor Down Side	C
Repeated Positioning Accuracy		Effective trip		Stepping motor		
Screw accuracy		Screw Outer Diameter	Wide(mm)	B60		60X102
C7	±0.02	Ø16	50-1050			
						brake
						Extra Enquiry If Need Brake

FTH10-OPTIONAL ACCESSORIES

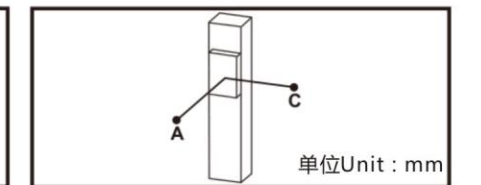
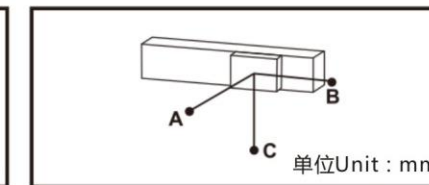
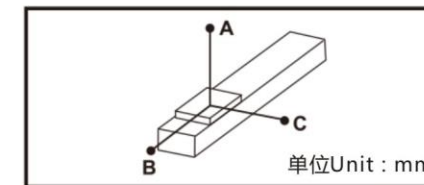
Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	SN04-N(NPN.NO)
	FMC4030	FML-(NPN/PNP)

FTH10-TECHNICAL PARAMETER

TECHNICAL PARAMETER

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

FTH10-ALLOWABLE LOAD TORQUE

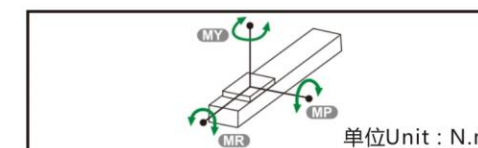


Horizontal installation		A	B	C
5 Stroke	30kg	550	45	45
	40kg	400	30	30
	50kg	300	25	24
10 Stroke	15kg	530	85	80
	25kg	300	50	45
	30kg	250	40	35
20 Stroke	5kg	530	85	80
	10kg	300	50	45
	20kg	160	35	30

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

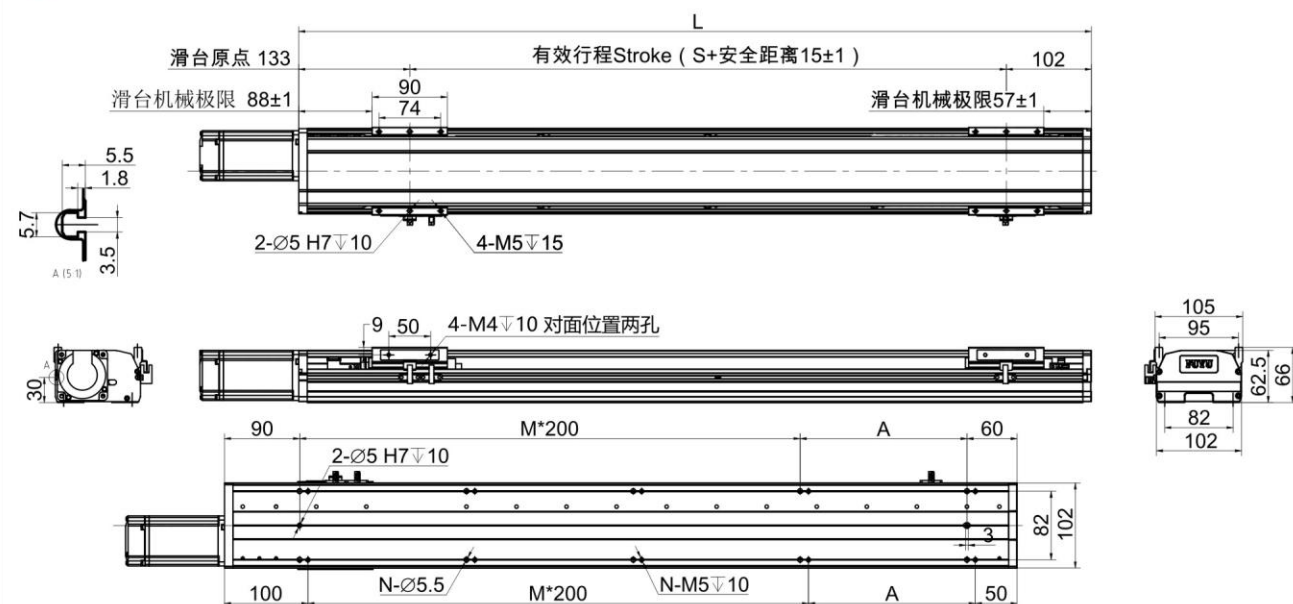
BC

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



[mm] Stroke	50	100	150	200	250	300	350	400	500	600	700	800	900	1000	1050
[mm] Linear Guide Total Length	433	483	533	583	633	683	733	783	883	983	1083	1183	1283	1383	1433
[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.5	10.5	11.5	12.5	13.5	14.5	15.0

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

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	C7	10	E300	BC	C40	S
Screw module	Lead	Motor position	Brand name			
Model	screw lead	Motor folding direction	Servo motor			
FTH12	05 5mm 10 10mm	M Motor hidden in BC Motor Exposed BL Motor Left Side BR Motor Right Side BD Motor Down Side	P 40:400W T 75:750W Y M C			
Repeated Positioning Accuracy	Effective trip		Stepping motor			
Screw accuracy	Screw Outer Diameter		B60 60X102			
C7 ±0.02	Wide(mm)					
	Ø16 50-1050					
			brake			
			Extra Enquiry If Need Brake			

FTH12-OPTIONAL ACCESSORIES

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

FTH12-TECHNICAL PARAMETER														
TECHNICAL PARAMETER	[mm] Position Accuracy		±0.02											
	[mm] Ball Screw Diameter		φ16					φ16						
	[mm] Lead		5					10						
	400W AC Servo Motor		[kg] loadings	10	20	30	40	50	10	20	30	40	50	
			[mm/s] Speed	200	200	200	200	200	400	400	400	400	400	
			[mm/s] Speed	200	200	200			400	400	400			
			[mm/s] Speed	200	200	200	200			400	400	400	400	
			[mm/s] Speed	200	200	200			400	400	400			
noise[dB]		≤75												
[°C] Storage temperature		-15℃—+60℃												

FTH12-ALLOWABLE LOAD TORQUE

Diagram illustrating the horizontal installation of the FTH12 device. Point A is at the top, B is at the bottom left, and C is at the bottom right. The unit is labeled as mm.

単位Unit : mm

Diagram illustrating the wall installation of the FTH12 device. Point A is at the top left, B is at the top right, and C is at the bottom center. The unit is labeled as mm.

単位Unit : mm

Diagram illustrating the vertical installation of the FTH12 device. Point A is at the bottom left and C is at the top right. The unit is labeled as mm.

単位Unit : mm

Horizontal installation		A	B	C
5 Stroke	30kg	882	65	78
	40kg	606	43	51
	50kg	300	25	24
10 Stroke	15kg	875	138	157
	25kg	485	75	85
	30kg	380	60	64
20 Stroke	5kg	1100	380	380
	10kg	550	180	180
	20kg	500	90	90

Wall installation		A	B	C
5 Stroke	25kg	100	84	1000
	35kg	63	50	725
	50kg	35	29	450
10 Stroke	10kg	250	220	1300
	20kg	110	90	650
	30kg	65	55	385
20 Stroke	6kg	310	315	950
	12kg	145	145	450
	20kg	90	90	285

Vertical installation		A	C
5 Stroke	5kg	550	550
	8kg	345	345
	15kg	220	220
10 Stroke	4kg	600	600
	10kg	300	300
20 Stroke	2kg	950	950
	5kg	640	640

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	Servo motor	Stepping motor	brake
Model	Wide(mm)	screw lead				
FTH14	135	05 5mm		P 40:400W	B60 60X102	
		10 10mm		T 75:750W	B86 86X128	
Repeated Positioning Accuracy	Effective trip	Motor folding direction				Extra Enquiry If Need Brake
Screw accuracy	Screw Outer Diameter					
C7 ±0.02	Wide(mm)					
	Ø16 50-1250					

FTH14-OPTIONAL ACCESSORIES

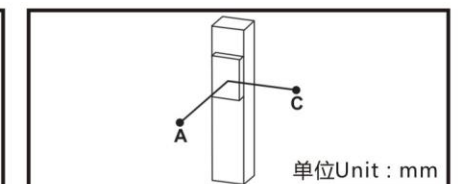
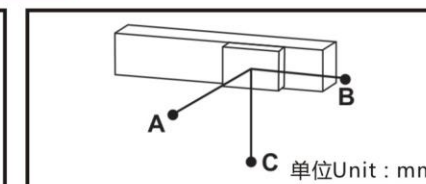
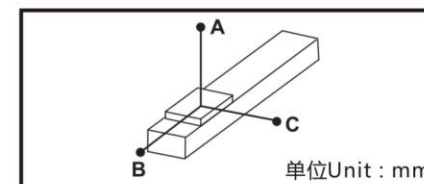
Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	SN04-N(NPN.NO)
	FMC4030	FML-(NPN/PNP)

FTH14-TECHNICAL PARAMETER

TECHNICAL PARAMETER

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

FTH14-ALLOWABLE LOAD TORQUE

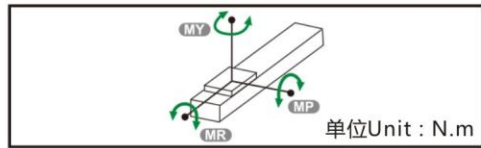


Horizontal installation		A	B	C
5 Stroke	60kg	2512	242	232
	80kg	1811	172	164
	110kg	1300	118	115
10 Stroke	30kg	2727	470	430
	50kg	1577	266	242
	90kg	830	136	125
20 Stroke	10kg	2304	1222	1028
	22kg	1443	540	451
	40kg	880	283	238

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

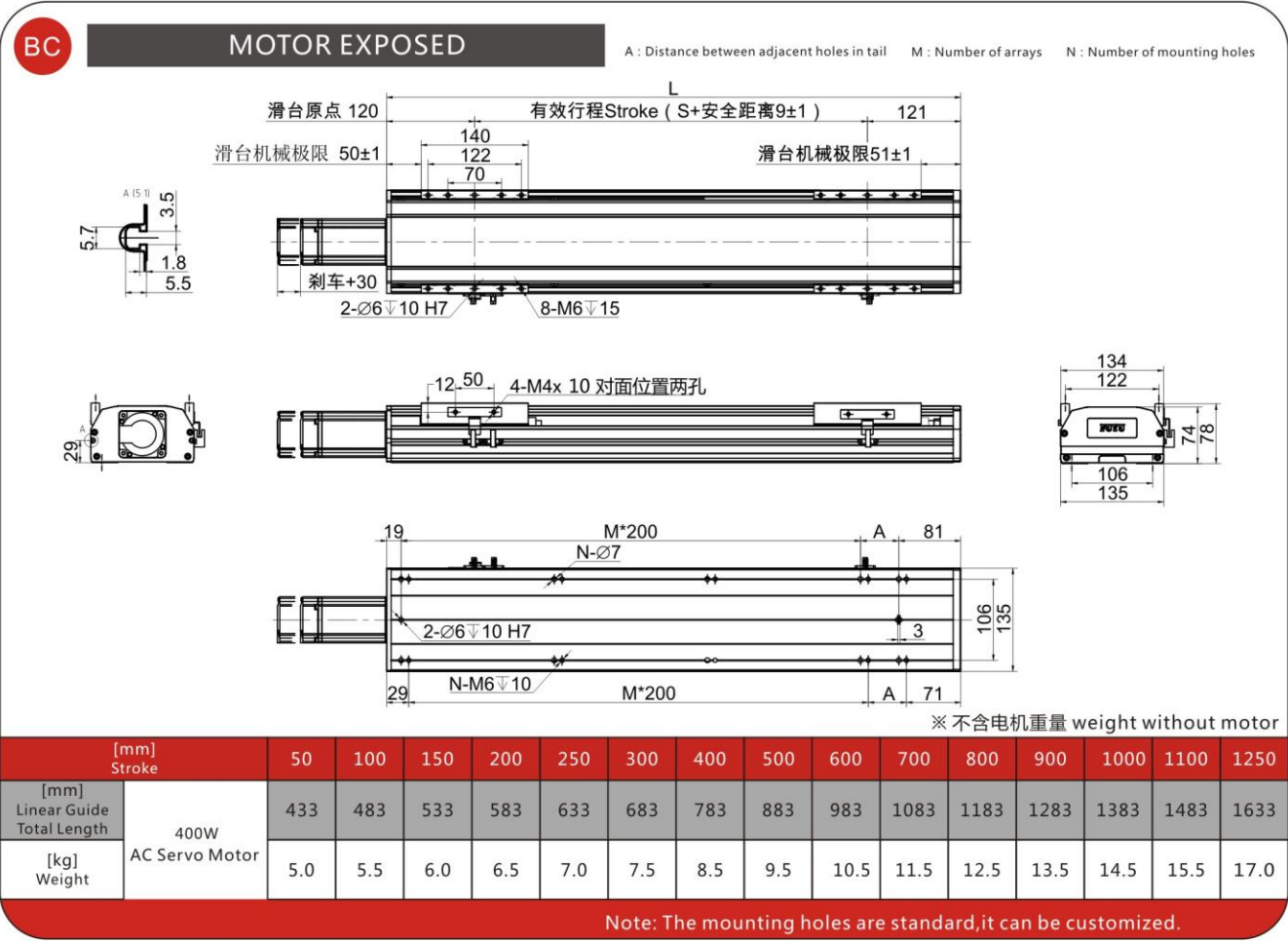
FTH14-STATIC LOADING MOMENT



MY	551
MP	552
MR	485

The data represented by the moment represent the center of gravity

FTH14-DIMENSIONAL DRAWING

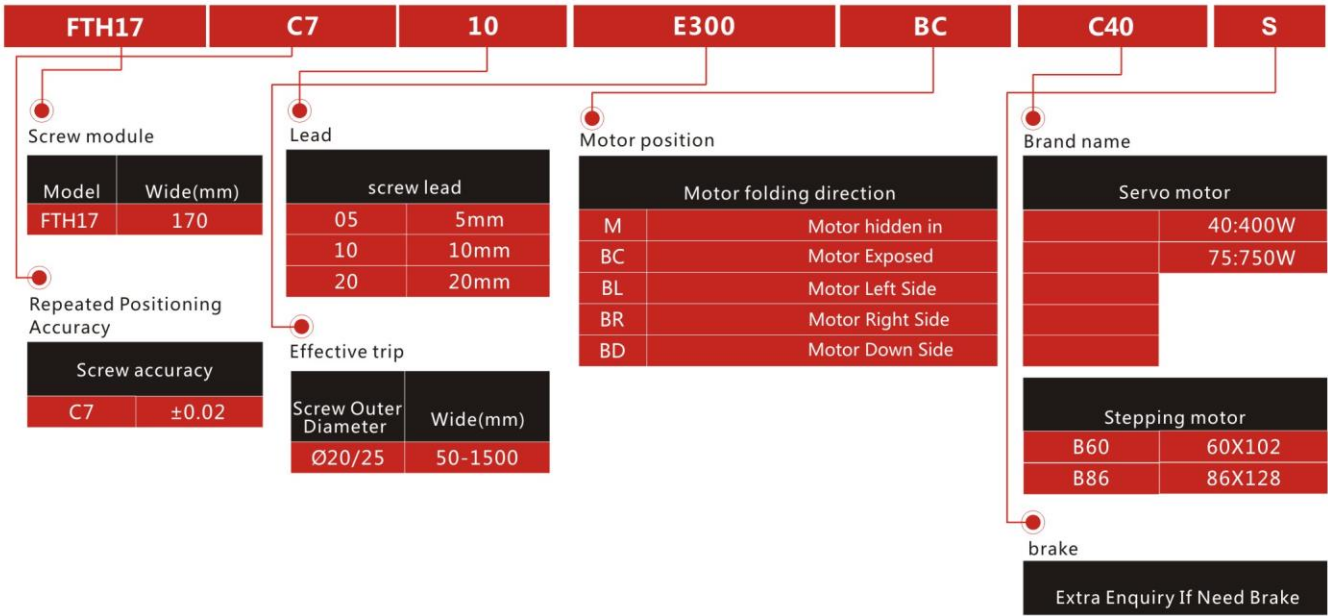


FTH17 LINEAR GUIDE



[mm] Effective Stroke	50~1500	[kg] Vertical reference Loading	60	[kg] Horizontal reference Loadings	120
-----------------------	---------	---------------------------------	----	------------------------------------	-----

FTH17-ORDERING METHOD



FTH17-OPTIONAL ACCESSORIES

Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	SN04-N(NPN.NO)
	FMC4030	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℃—+60℃												

FTH17-ALLOWABLE LOAD TORQUE

单位Unit : mm

单位Unit : mm

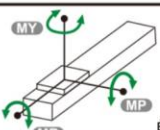
单位Unit : mm

Horizontal installation		A	B	C
5 Stroke	70kg	3235	349	408
	90kg	2482	263	306
	120kg	1850	187	217

Wall installation		A	B	C
5 Stroke	75kg	377	322	2988
	95kg	288	246	2333
	120kg	218	187	1850

Vertical installation		A	C
5 Stroke	20kg	1368	1368
	30kg	911	911
	50kg	546	546

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

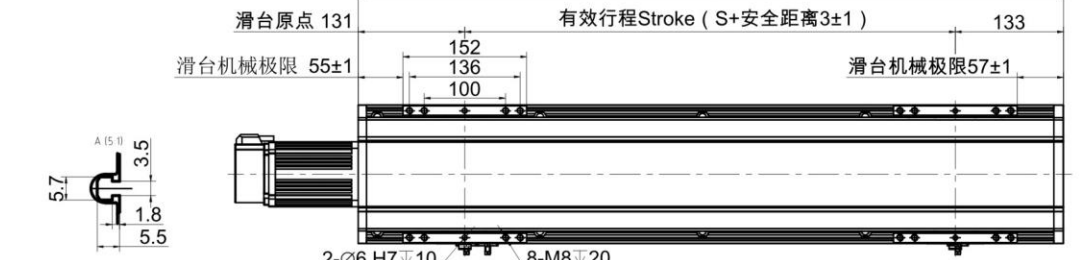
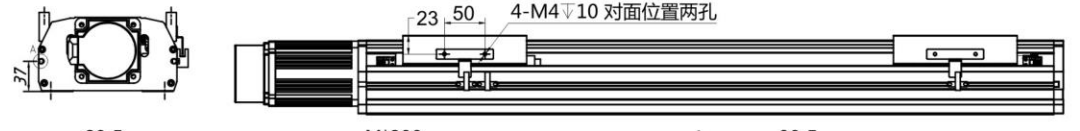
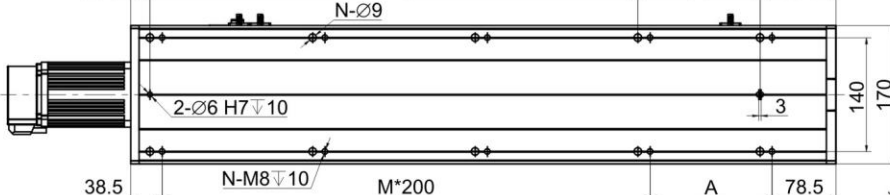
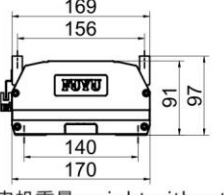


单位Unit : N.m

MY	1032
MP	1034
MR	908

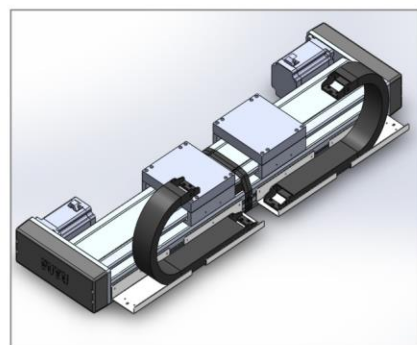
力矩所表示的数据代表重心

The data represented by the moment represent the center of gravity

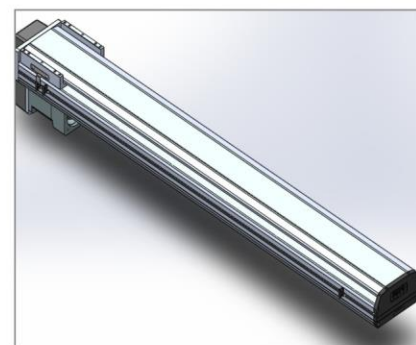
FTH17-DIMENSIONAL DRAWING														
BC			MOTOR EXPOSED			A : 尾部相邻孔间距 A : Distance between adjacent holes in tail			M : 阵列数 M : Number of arrays			N : 安装孔个数 N : Number of mounting holes		
												※ 不含电机重量 weight without motor		
[mm] Stroke			100	200	300	400	500	600	700	800	900	1000	1100	1200
[mm] Linear Guide Total Length			500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
[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
			Note: The mounting holes are standard,it can be customized.											



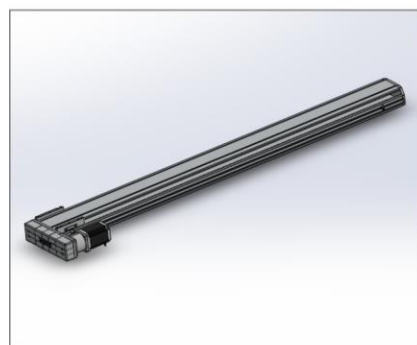
FTH10-BR



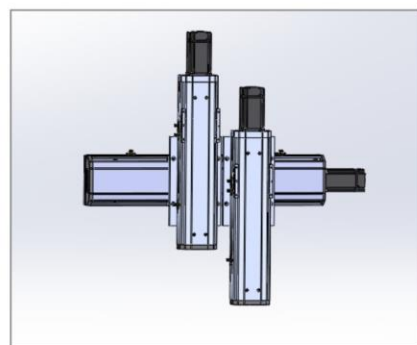
FTH17



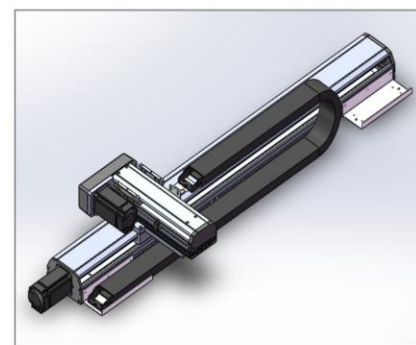
FTH17-BD



FTH17E1750



FTH14 XY-S



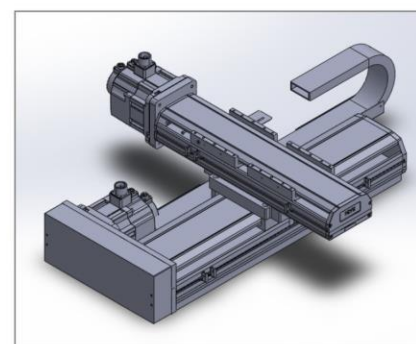
FTH14-FTH12-XY-S



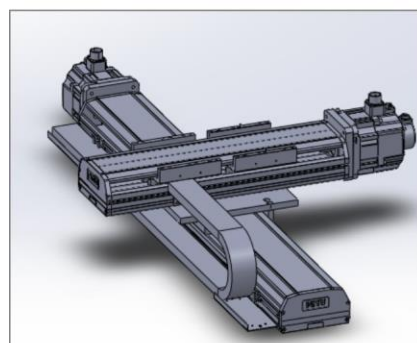
FTH17-FTB17-H2



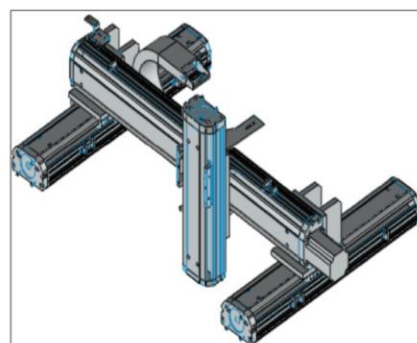
FTH17-FTH14 XY-S



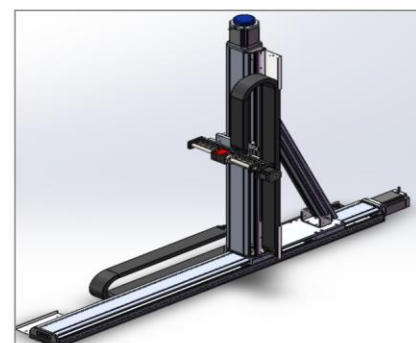
FTH17-FTH14-XY-S



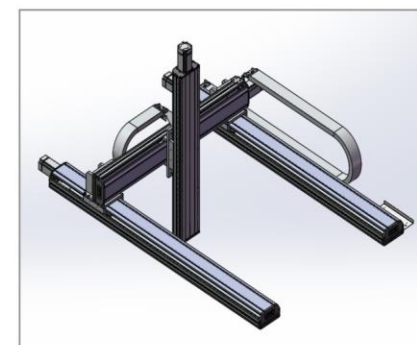
FTH17-FTH17-XY-S



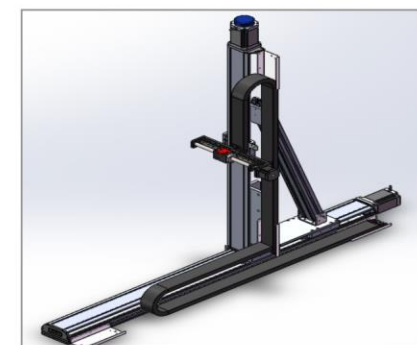
FTH12XYZ-L



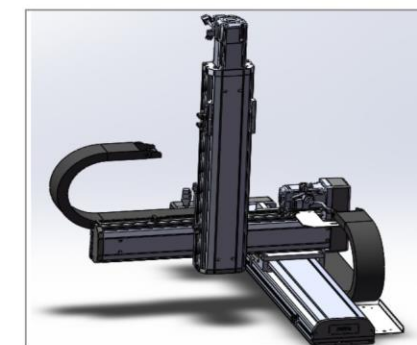
FTH14 XY (FSK40) Z-T



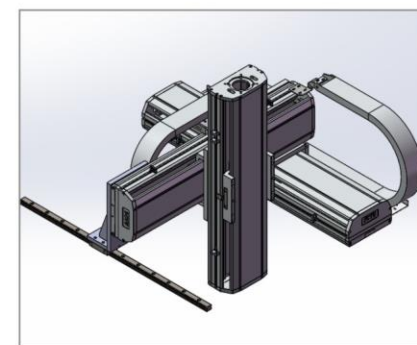
FTH14 XYZ-L



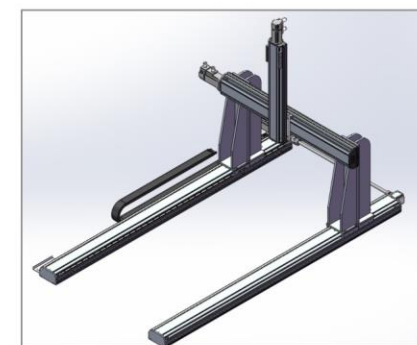
FTH14 XYZ-T



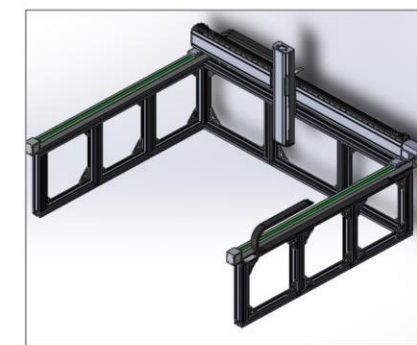
FTH14-FTH12-XYZ-X



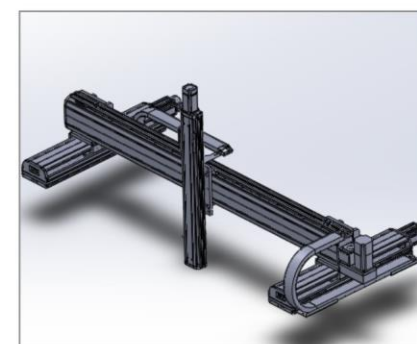
FTH17 XYZ-L



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

FTB

SEMI ENCLOSED BELT LINEAR MODULE

Long stroke, high speed



102mm
width
3500mm
max stroke
20kg
max payload



102mm
width
3500mm
max stroke
30kg
max payload



135mm
width
3500mm
max stroke
40kg
max payload



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

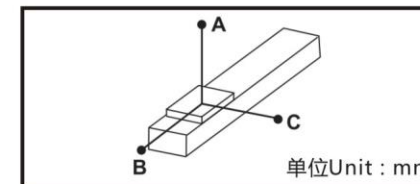
FTB10-OPTIONAL ACCESSORIES

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

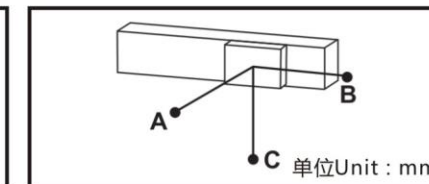
FTB10-TECHNICAL PARAMETER

TECHNICAL PARAMETER	[mm] Position Accuracy		±0.05			
	[mm] Stroke		35			
	400W AC Servo Motor	loadings[kg]		5	10	15
		Horizontal	[mm/s] Speed	2000	2000	1800
		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



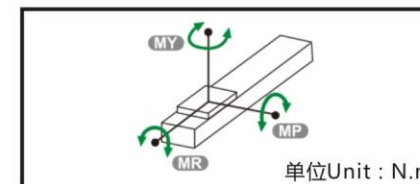
水平安装 Horizontal installation	A	B	C
5kg	495	155	130
8kg	301	91	77
10kg	236	71	60



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

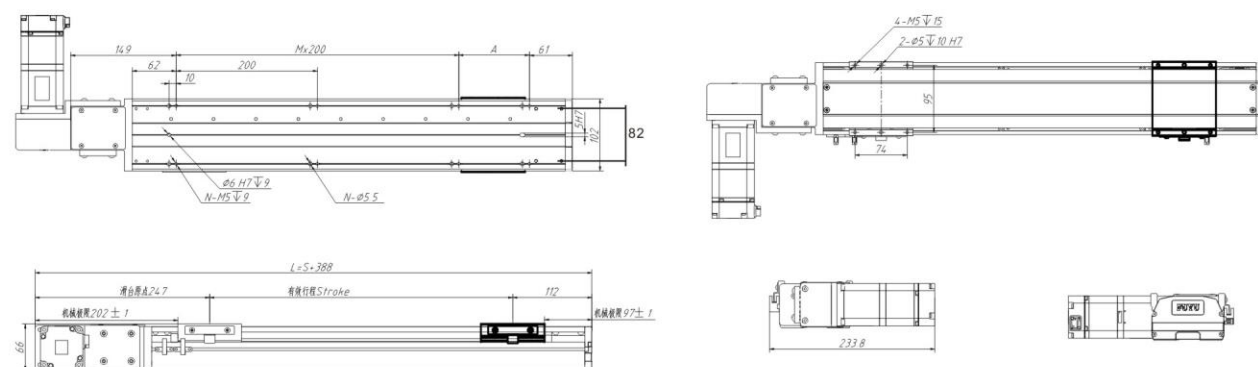


MY	110
MP	110
MR	120

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



※ 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.

FTB12 LINEAR GUIDE



Double rail



[mm]
Effective Stroke 100-3500

[kg]
Vertical reference Loading

[kg]
Horizontal reference Loadings

FTB12-ORDERING METHOD

FTB12

- L**

Belt module

Model	Wide(mm)
FTB12	102

Transmission material category

Model	Type
L	PU BELT
X	Rubber belt
- 35**

Lead

Synchronous belt module	
35mm	

Effective trip

Model	Stroke (mm)
FTB12	E100-3500

E300

L

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

B60

S

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

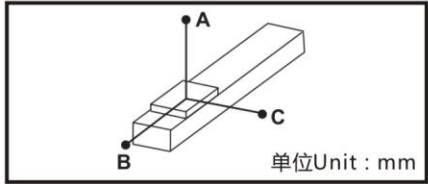
FTB12-OPTIONAL ACCESSORIES

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

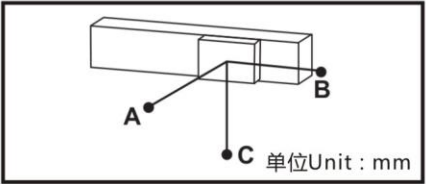
FTB12-TECHNICAL PARAMETER

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℃—+60℃						

FTB12-ALLOWABLE LOAD TORQUE



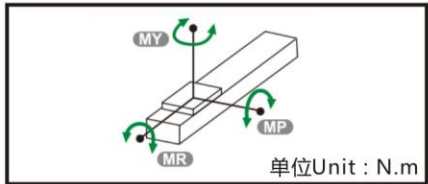
Horizontal installation	A	B	C
5kg	495	155	130
8kg	301	91	77
10kg	236	71	60



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

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	455	555	655	755	855	955	1055	1155	1255	1355	1855	2355	2855	3355	3855
[kg] Weight	3.57	4.53	5.17	5.81	6.45	7.09	7.73	8.37	9.01	9.65	12.85	16.05	19.25	22.45	25.65

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

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

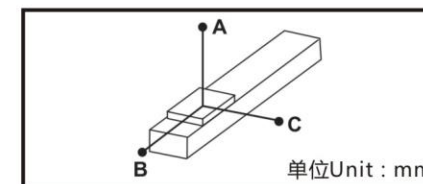
Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	SN04-N(NPN.NO)
	FMC4030	FML-(NPN/PNP)

FTB14-TECHNICAL PARAMETER

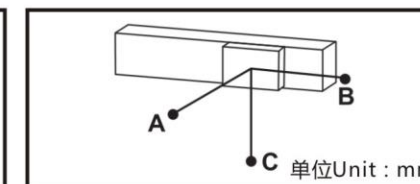
TECHNICAL PARAMETER

[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



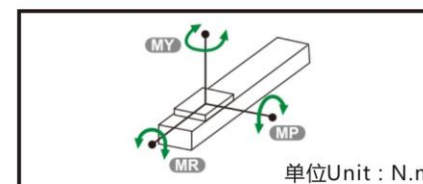
Horizontal installation	A	B	C
10kg	1795	690	540
20kg	860	330	260
25kg	670	260	200



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

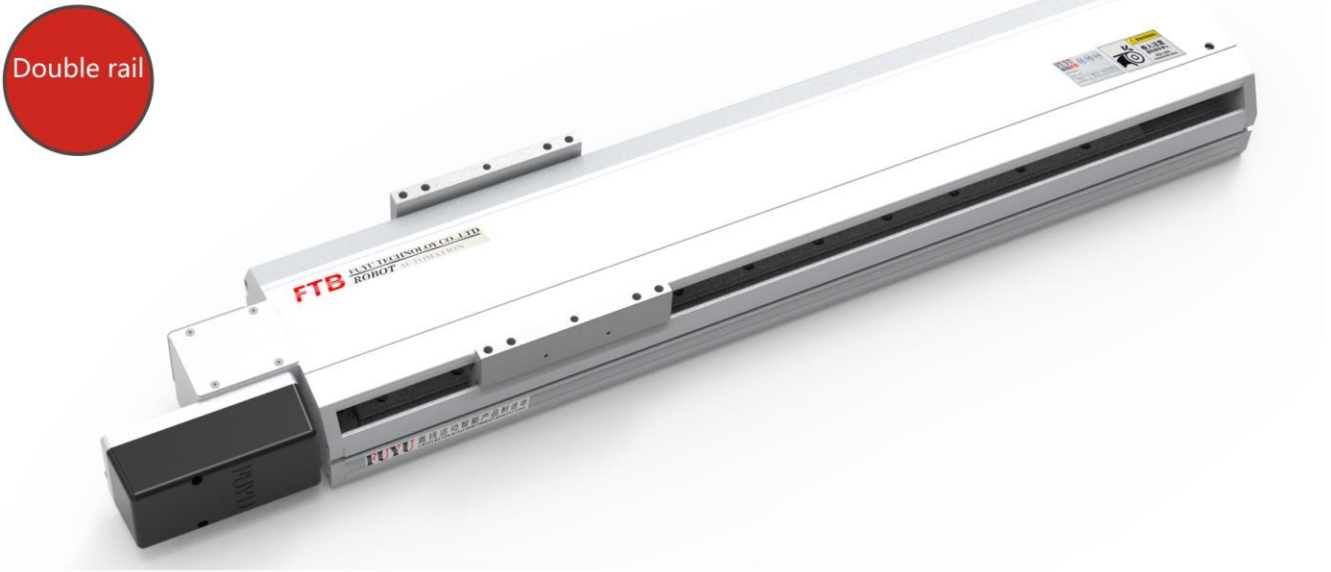
Technical drawing of the FTB14 motor left side. It includes three views: a top view, a side view, and a front view. Dimensions are provided in millimeters. Key dimensions include: top view (S+260, (S+130)/200, 51, 58, 106, 135, 20, 50, 200, N-M6, N-M6, 11, 14, 106, 135), side view (S+260, (S+130)/200, 51, 58, 106, 135, 20, 50, 200, N-M6, N-M6, 11, 14, 106, 135), and front view (140, 122, 70, 122, 134, 2, 10, 106, 135). Notes include: 参考尺寸 (72.50), 行程余量S, 有效行程S, 模组本体L=S+358, 113 ±1 (机械极限), 97 ±1 (机械极限), 2-Ø6, 2-Ø10, 8-M6, 11, 14, 106, 135.

※ 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



[mm] Effective Stroke	100-3500	[kg] Vertical reference Loading	25	[kg] Horizontal reference Loadings	50
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FTB17-ORDERING METHOD

FTB17

L

40

E300

L

B60

S

Belt module

Model	Wide(mm)
FTB17	170

Transmission material category

Model	Type
L	PU BELT
X	Rubber belt

Lead

Synchronous belt module	
	40mm

Effective trip

Model	Stroke (mm)
FTB17	E100-3500

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

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

FTB17-OPTIONAL ACCESSORIES

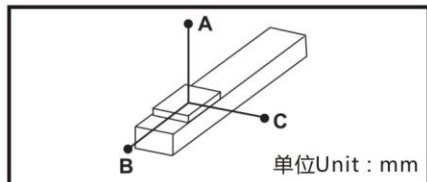
Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	SN04-N(NPN.NO)
	FMC4030	FML-(NPN/PNP)

FTB17-TECHNICAL PARAMETER

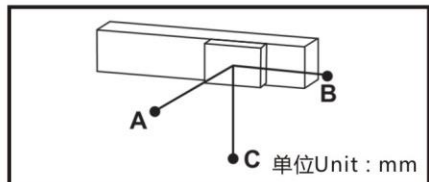
TECHNICAL PARAMETER

[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



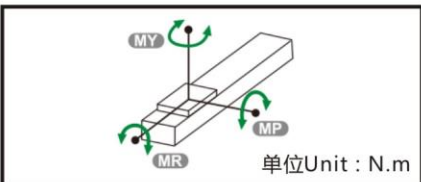
Horizontal installation	A	B	C
10kg	3000	1200	1100
20kg	1500	550	500
30kg	950	360	320
45kg	588	220	201



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

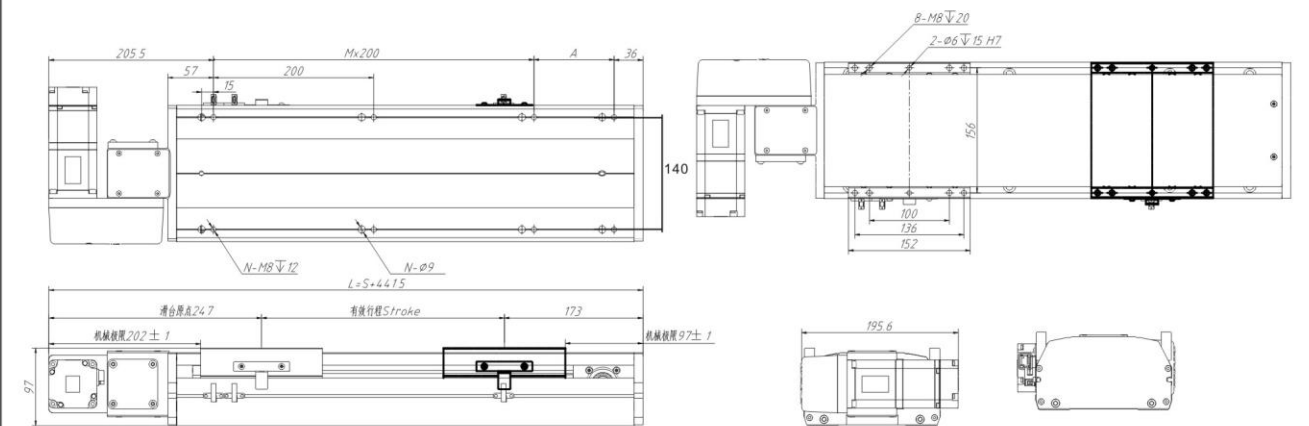


MY	1050
MP	1055
MR	910

FTB17-DIMENSIONAL DRAWING

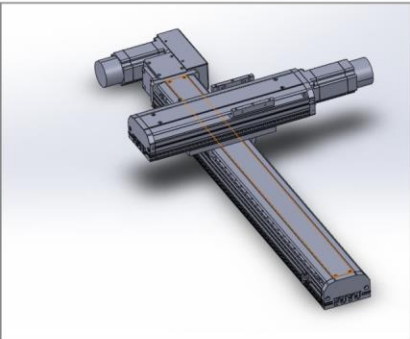
MOTOR LEFT SIDE

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	400W AC Servo Motor	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

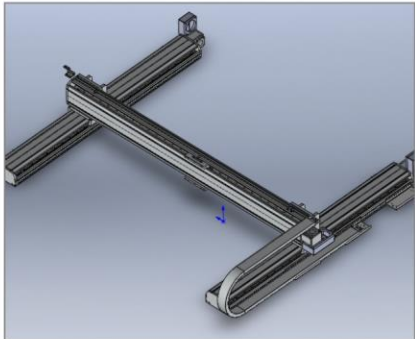
Note: The mounting holes are standard, it can be customized.



FTB12-FTH12-XY-S



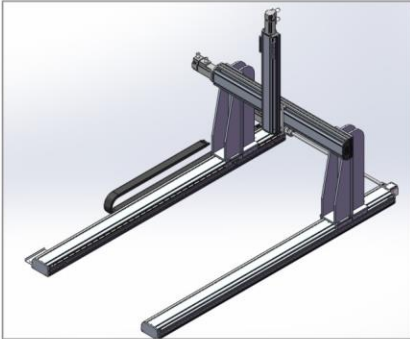
FTB14-FPB50 XY-T



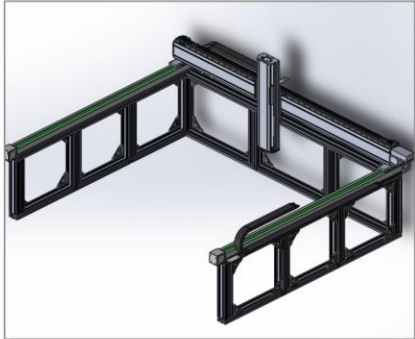
FTB17XY-H2



FTB14-FBL80 XYZ-L



FTB17 XYZ-L



FTB17 XYZ-L

LINEAR MOTION
SYSTEM INTELLIGENT
PRODUCTS
MANUFACTURER



it takes ARM as its CPU core controlling unit, provide more efficient motion controlling algorithm, make its controlling performance more excellent

LOAD SCHEDULE

Three axis linear point motion / reciprocating motion, program cycle / arrival delay, with four output ports, switch signal can be used, switch signal can be external, three basic programs can be embedded, motion parameters can be written / modified

SIMPLE OPERATION EXCELLENT PERFORMANCE

SIMPLE OPERATION AND EXCELLENT PERFORMANCE



FSC-2A
FSC-2A CONTROLLER



FMC-4030
FMC-4030 CONTROLLER



FMC4030
FMC-4030 TOUCH SCREEN



FIC
FIC DRIVE CONTROL
INTEGRATED CONTROLLER



FPS-1A
FPS-1A-LIMIT SWITCH



Electrical cabinet



FSC-2A

FSC-2A take ARM Cortex-M3 core processor, can realized precise controlling on speed and distance of stepper motor,servo motor, and equiped displayable motion parameter digital tube and adjustable parameter button, controlling method supports buletooth connection and remote controlling operation



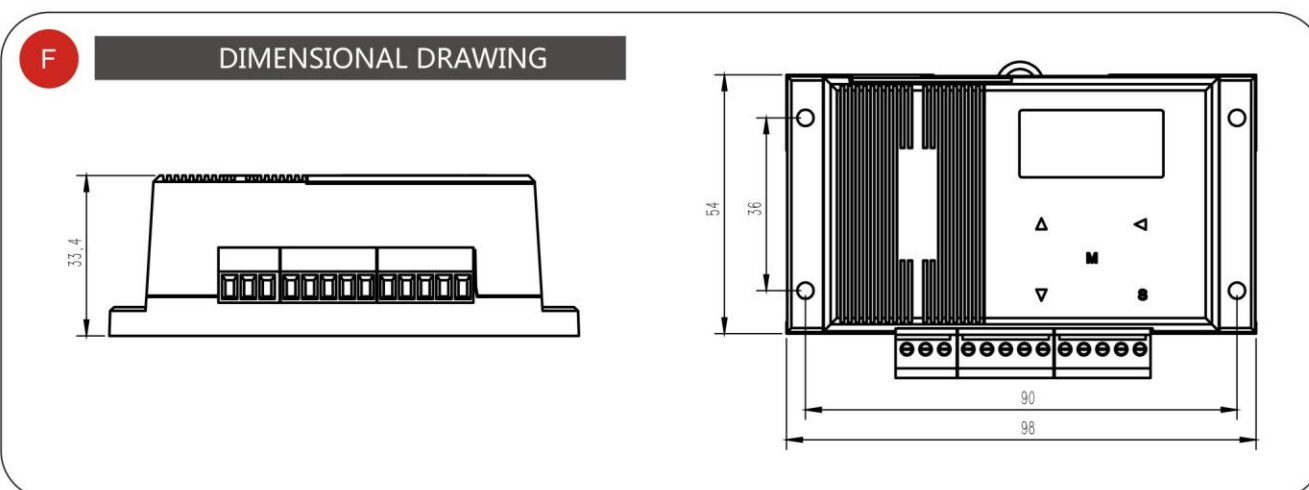
FMC4030

FMC4030 controller is a kind of pulse type controller, take 32 bit ARM chip as main control of the controller, each axis output frequency reach 200KHz, pulse counting function intergrated, can realized accurate controlling of position and speed controlling for stepper motor or servo motor

FSC-2A-TECHNICAL PARAMETER

TECHNICAL PARAMETER	Type	FSC-2A
	Power Supply Mode	DC24V(Supplied with DC24V)
	Power Consumption	小于7.2W(Lower than 7.2w)
	Number of Axes	(Single-axis)
	Frequency of Pulse	50HZ~200kHZ
	Pulse Output Mode	(Pulse+Dir)
	Acceleration Mode	(Trapezium AC/DE)
	Bus Extension	(Not Supported Yet)
	System	Android 9.0 内存2G以上(With More Than 2GB Storage)

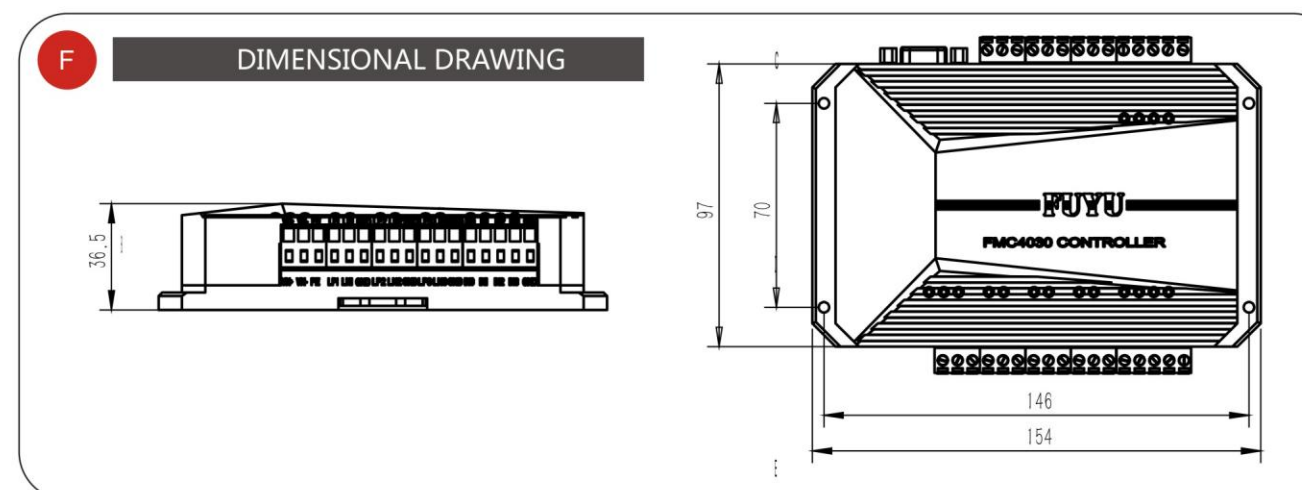
FSC-2A-DIMENSIONAL DRAWING



FMC4030-TECHNICAL PARAMETER

TECHNICAL PARAMETER	Type	FMC4030
	Power Supply Mode	24v
	Weight	300g
	Number of Axes	三轴(Triaxial)
	Operation mode	网口、串口
	Motor resolution	10000
	Motion control mode	(Manual, automatic, program)
	Homing method	回零(Return to zero)
	Communication	网口、232、485

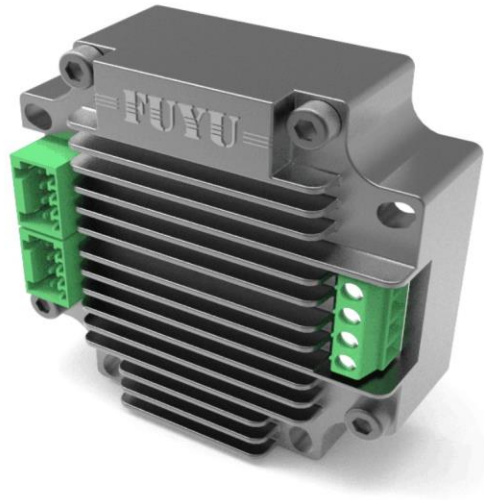
FMC4030-DIMENSIONAL DRAWING





FMC4030 3-axis touch screen

The FMC4030 motion controller is a universal economical 3-axis motion controller introduced by Chengdu FUYU Technology Co., Ltd. It uses ARM as its CPU core control unit and adopt more efficient motion control algorithms to make its control performance better.



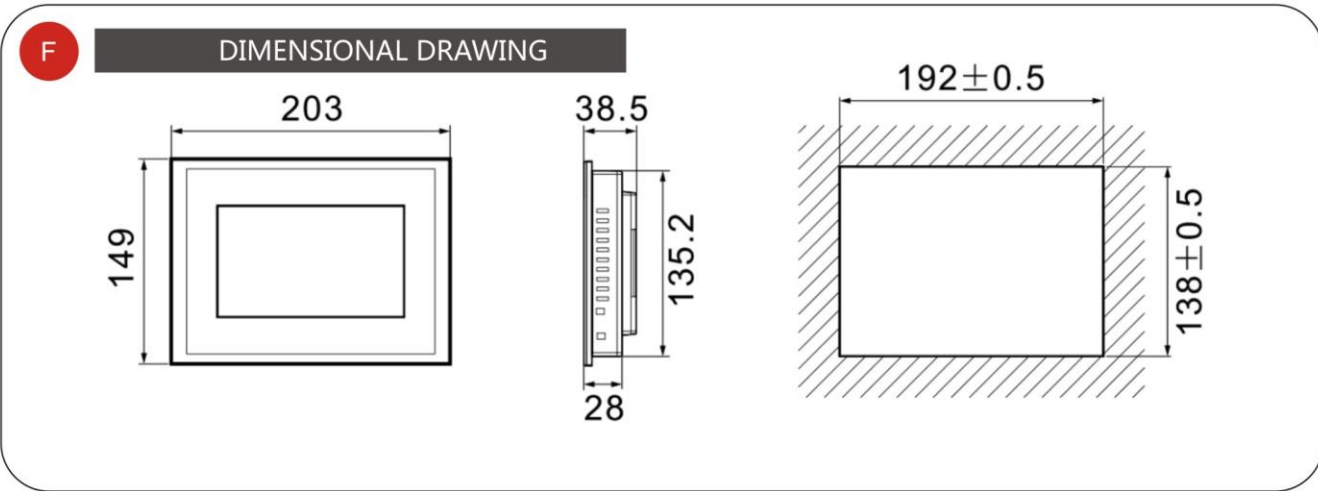
FIC Drive Controller

FIC stepper motor drive and control integrated controller, using 32-bit high-performance ARM core chip, can accurately control the speed and rotation position of 57 stepper motors, with stepper motor drive, maximum output current 4A, support maximum 32 Subdivision can achieve precise and smooth control of the stepper motor.

FMC4030-TECHNICAL PARAMETER

TECHNICAL PARAMETER	Type	FMC4030
	CPU board	以cortex-A8 CPU为核心，主频1GHz
	touch screen	(Four wire resistance type)
	Memory	512DDR3
	storage device	128M FLASH、4G扩展存储
	Interface	2xRS232、1xRS232/485、1xRS485、2xUSB、1xLAN
	Power Supply	DC24V/30W
	weight	6.1kg

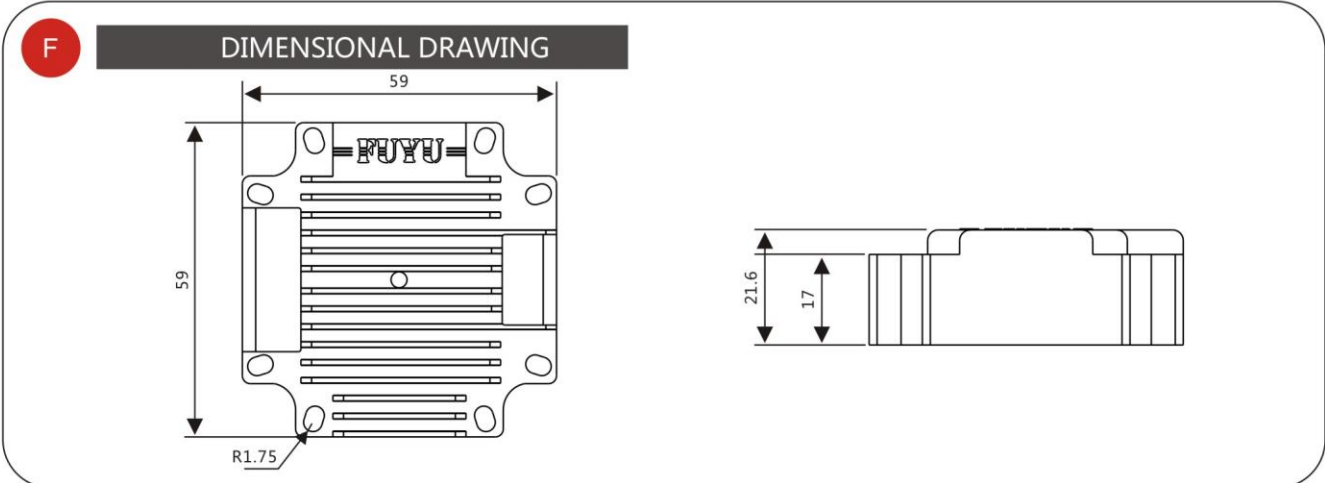
FMC4030-DIMENSIONAL DRAWING



FIC-TECHNICAL PARAMETER

TECHNICAL PARAMETER	Type	FIC
	Number of controlled axis	1
	Compatible product series	57/60步进电机
	Weight	350g
	Operation mode	can总线
	Motor resolution	6400
	Motion control mode	点位控制(Point control)
	Homing method	限位回零(Return to zero)
	Communication	CAN总线

FIC-DIMENSIONAL DRAWING





FPS-1A-limit switch

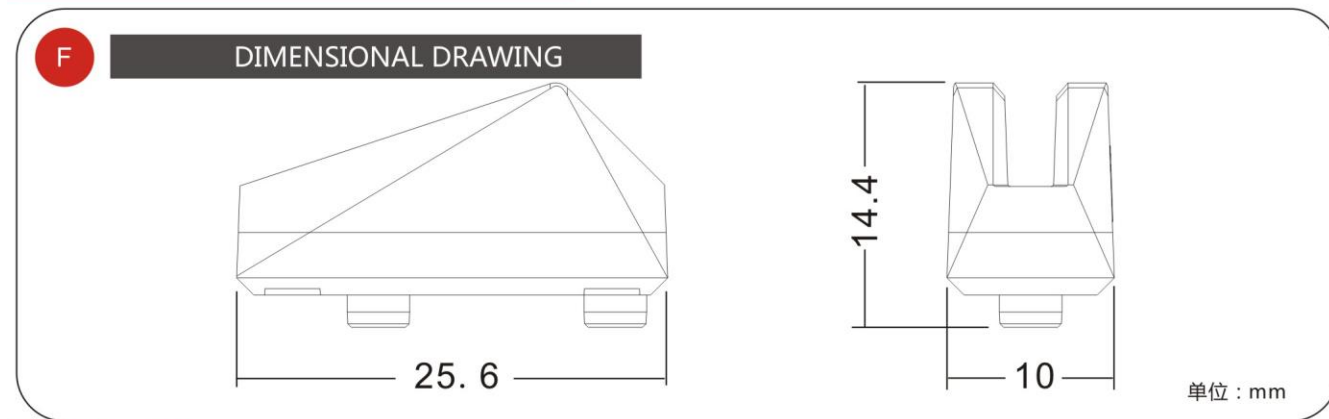
When customers use our FSK30J linear module with this limit switch, the wiring is safe, convenient, and occupies a small space; and there are two forms of PNP and NPN. The original intention of the design is to facilitate customers to operate the FSK30J module and to provide an effective solution for limited use.

FPS-1A 限位开关-技术参数

FPS-1A-TECHNICAL PARAMETER

TECHNICAL PARAMETER	Type	FPS-1A-NPN-ON		FPS-1A-PNP-ON
	Supply voltage	12~24	V	±10%
	Power consumption	< 0.5	W	空载
	Maximum load current	30	mA	空载
	Overload protection	30	mA	
	Short-circuit protection	有	W	撤销短路情况，功能可恢复 Cancel the short circuit condition the function can be restored
	Anti-reverse protection	有	mA	
	Electrostatic discharge immunity(ESD)	空气±15 接触±4	KV	GB/T 17626.2-2018/IEC 61000-4-2:2008 所有接口
		-20~60	°C	

FPS-1A-DIMENSIONAL DRAWING



Electrical cabinet

The electrical cabinet of FUYU integrates driver, controller, power supply, etc., To ensure convenient use by customers, and the use of integrated control can effectively ensure that customers' wiring and use process are simple and convenient.

Electrical cabinet-TECHNICAL PARAMETER

TECHNICAL PARAMETER	Product Name	size	Applicable driver	power supply
	Electrical cabinet(small)	300*400*200mm	FMDD36D22NOM FMDD50D40NOM	350W
	Electrical cabinet(big)	400*500*250mm	FMDT220A42NOM ASD-B2-0421-B ASD-B2-0721-B	100W

