

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

$\pm 0.05\text{mm}$

Longest travel

7000mm

FUYU TECHNOLOGY CO.,LTD

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 LINEAR GUIDE

Single rail



[mm]
Effective Stroke 100~3900

[kg]
Vertical reference Loading 5

[kg]
Horizontal reference Loadings 20

FBL60-ORDERING METHOD

FBL60		E300		BL		B60		S
Belt module FBL series		Effective trip		Motor position		Brand name		
Model	Wide(mm)	Model	Stroke (mm)	Motor folding direction		Servo motor		
FBL60	60	FBL60	E100-3900	BL	Motor Left Side	P	40:400W	
				BR	Motor Right Side	T	75:750W	
						Y		
						M		
						C		
						Stepping motor		
						B60	※ 60X102	
						brake		
						Extra Enquiry If Need Brake		

FBL60-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	

FBL60 TECHNICAL PARAMETER

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			

FBL60-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

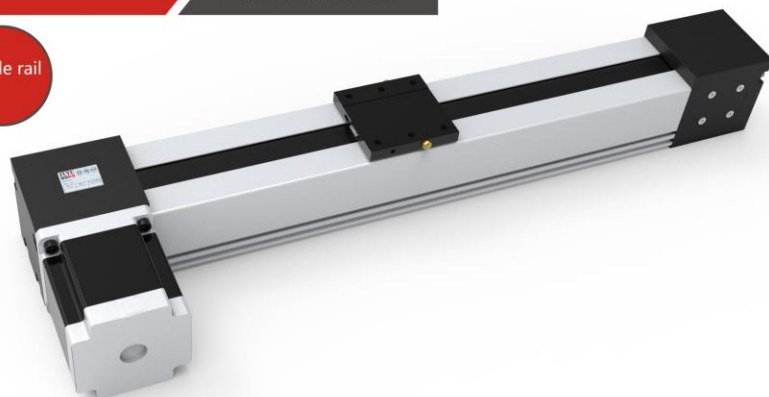
M : Number of arrays

N : 安装孔个数

N : Number of mounting holes

FBL80 LINEAR GUIDE

Single rail



[mm]
Effective Stroke 100~7000

[kg]
Vertical reference Loading 10

[kg]
Horizontal reference Loadings 30

FBL80-ORDERING METHOD

FBL80	E300	BL	B86	S
Belt module FBL series	Effective trip	Motor position	Brand name	
Model	Wide(mm)	Model	Stroke (mm)	Motor folding direction
FBL80	80	FBL80	E100-7000	BL Motor Left Side
		BR		Motor Right Side
				Servo motor
				P 40:400W
				T 75:750W
				Y
				M
				C
				Stepping motor
				B86 ※ 86X98
				brake
				Extra Enquiry If Need Brake

FBL80-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	

FBL80 TECHNICAL PARAMETER

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					
		[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					
		[mm/s] Speed	2000	2000					
	noise[dB]			≤75					
[°C] Storage temperature			-15°C—+60°C						

FBL80-DIMENSIONAL DRAWING

BL

MOTOR LEFT SIDE

A : 尾部相邻孔间距

A : Distance between adjacent holes in tail

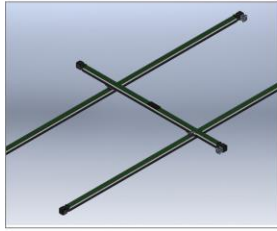
M : 阵列数

M : Number of arrays

N : 安装孔个数

N : Number of mounting holes

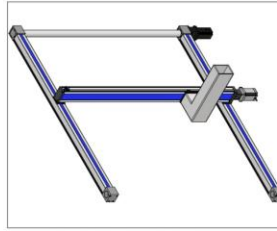
The installation length of nut shall be subject to the actual situation



FBL60 XY-H1



FBL60-FSL60



FBL80FSL12XY-H2



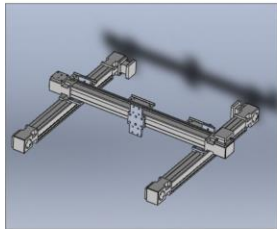
FBL80FSL120XY-L



FBL60-FSL60-XYZ-L



FBL60-FTH10 XYZ-L



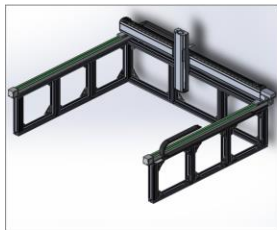
FBL60XY-H2



FBL80 FSL120 FSL80 XYZ-L



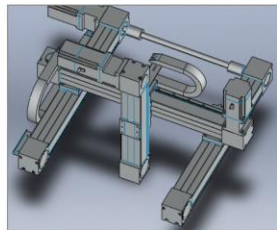
FBL80 XYZ-L



FBL80 XYZ-L



FBL80-FSL80 XYZ-L



FBL80XYZ-L