

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

FUYU TECHNOLOGY CO.,LTD

FSKJ

MUTE TYPE MODULE

LOW NOISE SAVE SPACE



FSK30J

30mm
width

500mm
max stroke

3kg
max payload



FSK40J

40mm
width

1000mm
max stroke

20kg
max payload

FSK30J-ORDERING METHOD

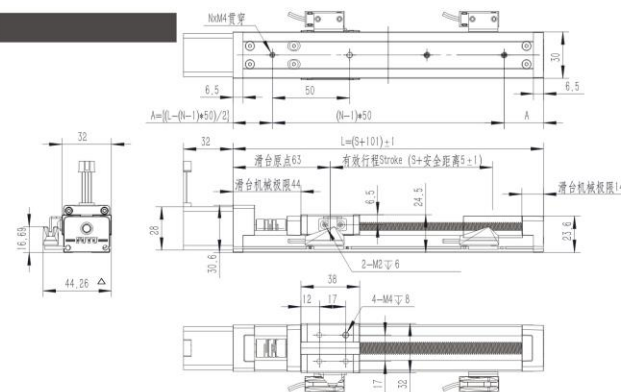
FSK30J-OPTIONAL ACCESSORIES

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

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																	

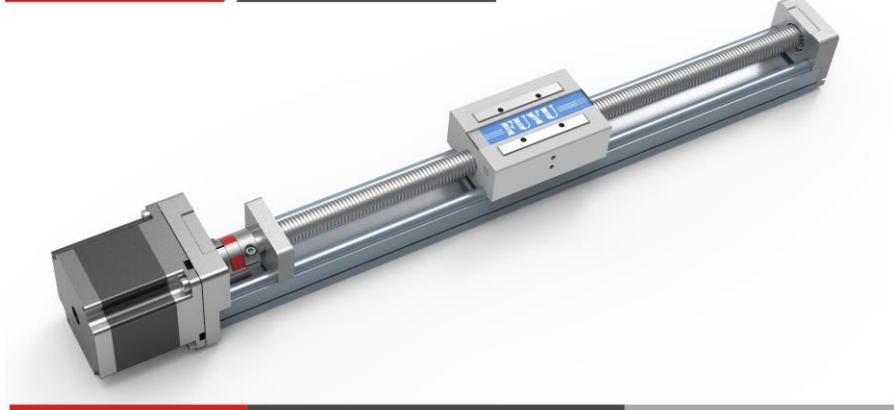
BC MOTOR EXPOSED



[mm] Stroke		50	100	150	200	250	300	350	400	450	500				
[mm] Linear Guide Total Length	Stepper Motor	182	232	282	332	382	432	482	532	582	632				
		0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4				
[kg] Weight	Servo Motor	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
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FSK40J-ORDERING METHOD

FSK40J

Model	Wide(mm)
FSK40J	40

C7

Lead

screw lead	
05	5mm
10	10mm
16	16mm

10

E300

Motor position

Motor folding direction	
BC	Motor Exposed

BC

B57

S

Brand name

Servo motor	
P	10:100W
T	20:200W
Y	40:400W
M	
C	

Repeated Positioning Accuracy

Screw accuracy	
C7	±0.02

Effective trip

Screw Outer Diameter	Wide(mm)
Ø16	50-1000

brake

Extra Enquiry If Need Brake

FSK40J-OPTIONAL ACCESSORIES

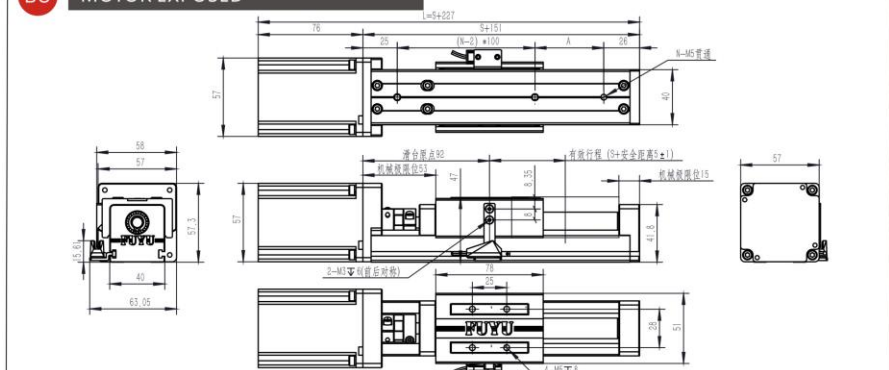
Touch screen	Controller	Limit switch	DC power model	Drive model
TPC7062HW	FSC-2A	SN04-N	PMT-24V350W	FMDD50D40NOM
	FMC4030	FML-(NPN/PNP)	PMT-24V100W	
			PMT-24V50W	
			LRS-100-24	
			LRS-350-24	

FSK40J-DIMENSIONAL DRAWING

TECHNICAL PARAMETER	Position Accuracy		±0.02					
	Ball Screw Diameter		φ16					
	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			
		Down Mounted	[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			
		Down Mounted	[mm/s] Speed	300	300			
		noise[dB]		≤60				
	Storage temperature		-15℃—+60℃					

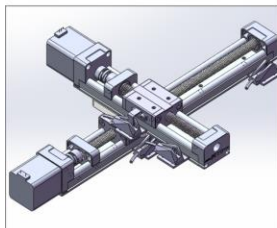
FSK40-DIMENSIONAL DRAWING

BC MOTOR EXPOSED

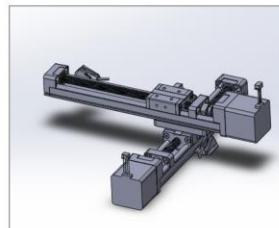


[mm] Stroke		50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000
[mm] Linear Guide Total Length	5776 Stepper Motor	277	327	377	427	477	527	577	627	677	727	827	927	1027	1127	1227
[kg] Weight	400W AC Servo Motor	337	387	437	487	537	587	637	687	737	787	887	987	1087	1187	1227
		2.54	2.7	2.86	3.02	3.18	3.34	3.5	3.66	3.82	3.98	4.3	4.62	4.94	5.42	5.58

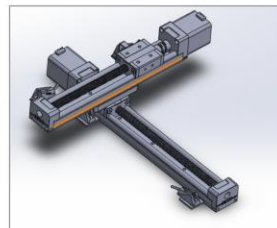
The installation length of nut shall be subject to the actual situation



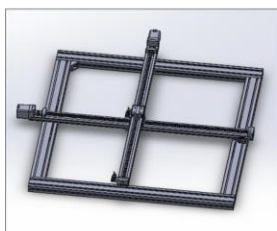
FSK30J-XY-S



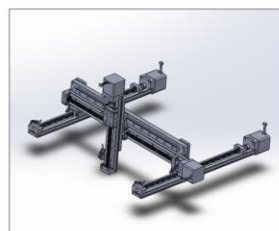
FSK30J-XY-S



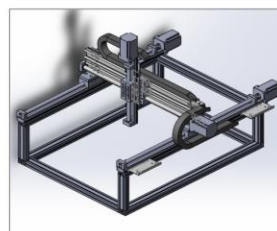
FSK30J-XY-S



FSK30J-XY-S



FSK30J-XYZ-L



FSK40J-XYZ-L