FSK40J
Linear Motion Stage Actuator



Simplified schematic - not to scale

40 mm Width	**50-1000 mm** Effective stroke	**+/- 0.02 mm** Repeat positioning	**16 mm dia.** Ball screw
20 kg Horizontal load	**10 kg** Vertical load	**<= 60 dB** Noise	**-15 to +60 C** Storage temp.

Key specifications

Drive type	Ball screw linear module
Module width	40 mm
Effective stroke	50-1000 mm
Repeat positioning accuracy	+/- 0.02 mm (C7)
Ball screw diameter	16 mm
Lead options	5 / 10 / 16 mm
Reference load	20 kg horizontal; 10 kg vertical; 5 kg inverted/flip (manufacturer product page)
Motor options	57x76 or 60x102 stepper; catalog also lists servo options
Maximum speed	Up to 200 mm/s with 57x76 stepper; up to 350 mm/s at lighter loads with 400 W AC servo in catalog table
Noise / storage	<= 60 dB; -15 C to +60 C

Catalog configuration example

FSK40J | C7 | 10 | E300 | BC | B57 | S
40 mm FSKJ module, C7 accuracy, 10 mm lead, 300 mm stroke, exposed motor, 57x76 stepper; brake/servo choices vary by configuration.

FSK40J selection reference

Condensed ordering, speed, length and accessory information from the FUYU catalog spread.

Ordering code fields

FSK40J	FSKJ series, 40 mm width
C7	Screw accuracy; repeat positioning +/- 0.02 mm
05 / 10 / 16	Lead: 5 / 10 / 16 mm
E###	Effective stroke; 50-1000 mm range
BC	Motor exposed position
B57 / B60	Stepper motor size: 57x76 / 60x102 mm
Servo	Catalog lists 100 W / 200 W / 400 W selections
Brake	Optional when required

Speed and loading summary

57x76 stepper - horizontal	Up to 200 mm/s at the listed 5-20 kg horizontal load points
57x76 stepper - vertical	Allowable speed reduces as vertical load increases
400 W AC servo - horizontal	Up to 350 mm/s at lighter load points; 320 mm/s at higher listed horizontal loads
400 W AC servo - vertical	Allowable speed reduces at higher vertical load

Overall length reference

57x76 stepper	Effective stroke + 227 mm
400 W AC servo	Effective stroke + 287 mm

Examples: 300 mm stroke -> approx. 527 mm (57x76 stepper) or 587 mm (400 W servo). 1000 mm stroke -> approx. 1227 mm / 1287 mm.

Optional accessories shown

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

Contact Us
Questions or Concerns? Hit us up with any questions about your order.
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