ISA-WXMX-7	750 Single-Axis Robot: Actuator Width 198	Super-Large X-Axis Mid-suppo mm, 750W. Straight Shape	ort Mechanism Type,
<b>ISPA-WXMX</b> ·	-750 Single-Axis Robot Actuator Width 198m	: Super-Large X-Axis Mid-suppo m, 750W. Straight Shape High-Pr	ort Mechanism Type, recision Specification
ISA: Standard A	- 750 - Constant - 750 - Constant - 750 - Constant - 750.750W Solute 750.750W 50:50mm Sincremental 25:25mm	Stroke Applicable controller   900:900mm T1:XSEL-J/K   ∠ T2:SCON   2500:2500mm SSEL   (every 100mm) XSEL-P/Q	Cable length Options N:None Refer to S:3 m the option M:5 m list below. X□□: Length specification

\* Refer to page 11 for the details of model specification items.

## Models/Specifications

	Models/Specifications						* 1.0G=980	00mm/sec <sup>2</sup>			
	Encoder	Motor		Stroke(mm)	Speed	Acceleration (Note 2)		Load capac			
						Horizontal (G)	Vertical (G)	Horizontal (G)	Vertical (G)	Rated	
	Model	type	output (W)	t (mm)	In increments of 100mm		Rated	Rated Maximum	Rated Maximum acceleration	Rated Maximum acceleration	(N)
	ISA[ISPA]-WXMX-①-750-50-②-③-④-L-⑤	Absolute	750	50 900 ~ 2500   25 900 ~ 2500	1 ~ 2000	0.3	Used only	60	Used only	255	
	ISA[ISPA]-WXMX-①-750-25-②-③-④-L-⑤	Incremental	750		300 /3 2300	1 ~ 1250	0.3	horizontally	120	horizontally	510

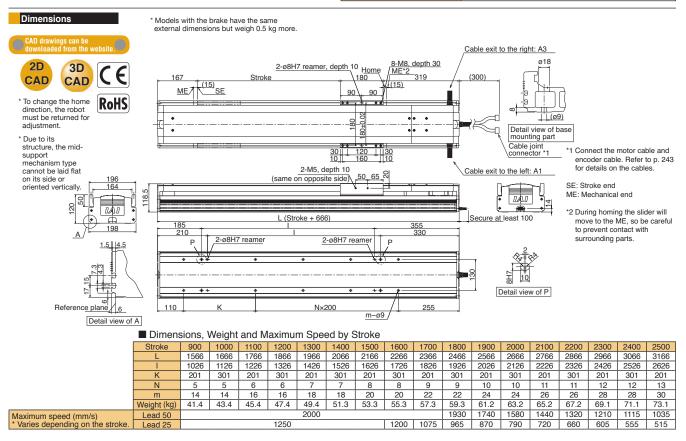
\* In the above model names, 🗊 indicates the encoder type, 😰 stroke, 🗟 applicable controller, 🗟 cable length and 🗟 options.

Options					
Name	Code	Page	Name	Code	Page
AQ seal	AQ	→P13	Master-axis designation	LM	→P14
Brake	В	→P13	Reverse homing specification	NM	→P14
Creep sensor	С	→P13	Slave-axis designation	S	→P14
Home limit switch	L	→P14	Optional cable exit direction	A1/A3	Refer to the figure below

\* With the WXMX type, the home limit switch (L) is a standard equipment.

## Common Specifications

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Positioning repeatability (Note 3)	± 0.02 mm [± 0.01 mm]
Drive system (Note 4)	Ball screw ø25 mm, rolled C10 [equivalent to C5]
Lost motion (Note 5)	0.05 mm or less [0.02 mm or less]
Allowable static moment	Refer to page 242
Allowable dynamic moment (Note 6)	Ma: 139.2 N • m Mb: 199.9 N • m Mc: 391 N • m
Overhang load length	Ma direction: 900 mm or less, Mb/Mc directions: 900 mm or less
Base	Material: Aluminum with white alumite treatment
Applicable controller	T1: XSEL-J/K T2: XSEL-P/Q, SSEL, SCON
Cable length (Note 7)	N: No cable, S: 3 m, M: 5 m, X C: Length specification
Ambient operating temperature • humidity	0 to 40°C, 85% RH or less (Non-condensing)



## Applicable Controller Specifications

Applicable controller	Maximum number of controlled axes	Compatible encoder type	Operating method	Supply voltage	Page	
X-SEL-P/Q	6 axes	Absolute/ Incremental		Single phase/ Three-phase 200VAC		
X-SEL-K	4 axes		Program	Single phase AC 100/200V		Caution
X-SEL-J	4 axes					Caution
SSEL	2 axes			Single phase AC 200V		
SCON	1 axis		Positioner pulse train control	g p		

(Note 1) A longer stroke will result in a lower maximum speed to prevent the ball screw from reaching a dangerous speed. (Refer to the above table for the maximum speed at a given stroke.)	
(Note 2) The maximum acceleration is 0.3 G. (Note 3,4,5) The figures in brackets apply to the ISPA Series. Other	
and if a the university of the heads the IOA and IODA Option	

(Note 6) Specification values apply to both the ISA and ISPA Series (Note 6) Traveling life of 10,000 km is assumed. (Note 7) The maximum cable length is 30 m. Specify the desired length in meters (e.g. X08 = 8 m)

\* The WXMX type comes with the home limit switch as a standard equipment, so use a controller of limit switch specification for this type.