

# LSA-H8HM

Small type, 80 mm wide  
High-thrust type, multi-slider

Model Name **LSA-H8HM** — **I** — **200** — **T2** — **X00**

Series — Type — Encoder type — Applicable drive output — Stroke — Applicable controller — Cable length — Options

I: Incremental specification 200W ? T2: SCON SSEL XSEL-P/-Q X□□: N: None S: 3m M: 5m Refer to the options table below.

\* Refer to P. 13 for details on each item comprising the model name. 1230:1230mm



## Model Specifications

Model	Encoder type	Applicable drive output (per slider)	Stroke Specified in 100-mm steps (mm)	Speed (Note 1) (mm/sec)	Payload (Note 2)		Rated thrust (N)	Maximum thrust (N)	Maximum acceleration (G) (Note 2)
					Horizontal (kg)	Vertical (kg)			
LSA-H8HM-I-200-1-T2-2-3	I: Incremental	200	130-1230	2500	8	-	60	180	3

\* In the above model names, 1 indicates the stroke, 2 indicates the cable length, and 3 indicates the options.

## Options

Name	Model	Reference page	Remarks
Cable track installation direction	CT5	→P14	Sideway specification
Cable track for user wiring, type S	US1/US5	→P14	Standard specification/sideway specification
Cable track for user wiring, type M	UM1/UM5	→P14	Standard specification/sideway specification

Note) To change the cable track position to the opposite side, install the actuator by rotating it 180 degrees horizontally because the actuator is bilaterally symmetrical.

## Common Specifications

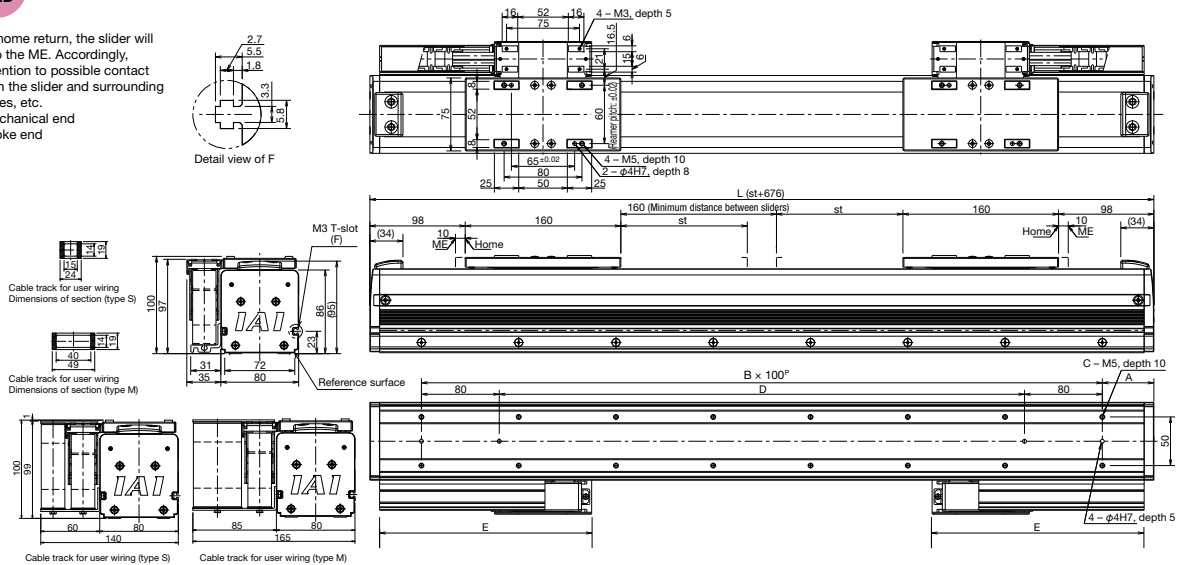
Drive method	Linear servo motor
Positioning repeatability	±0.005mm
Guide	Built-in linear guide
Permissible load moment	Ma: 8.65N • m Mb: 8.65 • m Mc: 8.65N • m
Overhang load length	300 mm or less in Ma direction / 300 mm or less in Mb/Mc directions
Base	Material: Aluminum with white alumite treatment
Applicable controller	T2: SCON, SSEL, XSEL-P/Q
Cable length (Note 3)	N: No Cable S: 3m M: 5m X□□: Specified length
Ambient operating temperature	0 to 40°C, 85% RH or below (non-condensing)

## Dimensions

You can download CAD drawings from our website.

2D CAD

\*1 During home return, the slider will move to the ME. Accordingly, pay attention to possible contact between the slider and surrounding structures, etc.  
ME: Mechanical end  
SE: Stroke end



Stroke	130	230	330	430	530	630	730	830	930	1030	1130	1230
L	806	906	1006	1106	1206	1306	1406	1506	1606	1706	1806	1906
A	53	53	53	53	53	53	53	53	53	53	53	53
B	7	8	9	10	11	12	13	14	15	16	17	18
C	16	18	20	22	24	26	28	30	32	34	36	38
D	540	640	740	840	940	1040	1140	1240	1340	1440	1540	1640
E	180	230	280	330	380	430	480	530	580	630	680	730
Weight(kg)	13.8	15.0	16.2	17.4	18.6	19.8	21.0	22.2	23.4	24.6	25.8	27.0

## Applicable Controller Specifications

Applicable controller	Maximum controlled axes	Operating method	Power-supply voltage	Reference page
XSEL	6 axes	Program	Single-phase/ three-phase AC 200 V	→P53
SSEL	2 axes	Program/positioner	Single-phase AC100/200V	→P52
SCON	1 axis	Pulse train/positioner	Single-phase AC100/200V	→P51



Caution

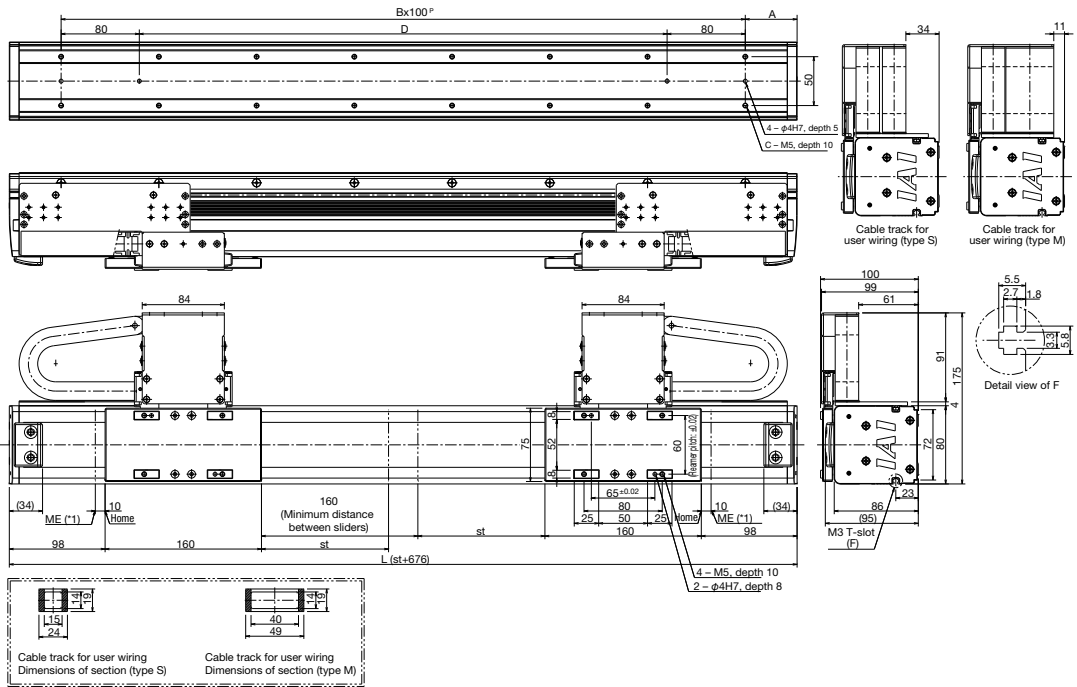
(Note 1) The maximum speed may not be attained if the stroke is short.  
(Note 2) The maximum acceleration varies depending on the operating conditions.  
(Note 3) The maximum cable length is 20 m for the SCON/SSEL and 30 m for the XSEL. Specify a desired length in units of meters.  
(Example: X08 = 8 m)

**Dimensions – Wall-mounted Specification**

You can download CAD drawings from our website.

**2D CAD**

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Stroke	130	230	330	430	530	630	730	830	930	1030	1130	1230
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A	53	53	53	53	53	53	53	53	53	53	53	53
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C	16	18	20	22	24	26	28	30	32	34	36	38
D	540	640	740	840	940	1040	1140	1240	1340	1440	1540	1640
Weight (kg)	14.8	16.0	17.2	18.4	19.6	20.8	22.0	23.2	24.4	25.6	26.8	28.0

Shaft type

Small type

Flat type

Medium type

Large type