

LSA-S8HM

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



■ Model Name **LSA-S8HM-I-100-T2**

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

I: Incremental specification 100W } T2 : N: None S: 3m M: 5m Refer to the options table below.
XSEL-P/-Q X□□:

* Refer to P.13 for details on each item comprising the model name. 1380:1380mm

Model Specifications

Model	Encoder type	Applicable drive output (per slider)	Stroke Specified in 60-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-S8HM-I-100-□-T2-□-□	I: Incremental	100	60-1380	2500	7	-	35	140	3

* In the above model names, □ indicates the stroke, □ indicates the cable length, and □ 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

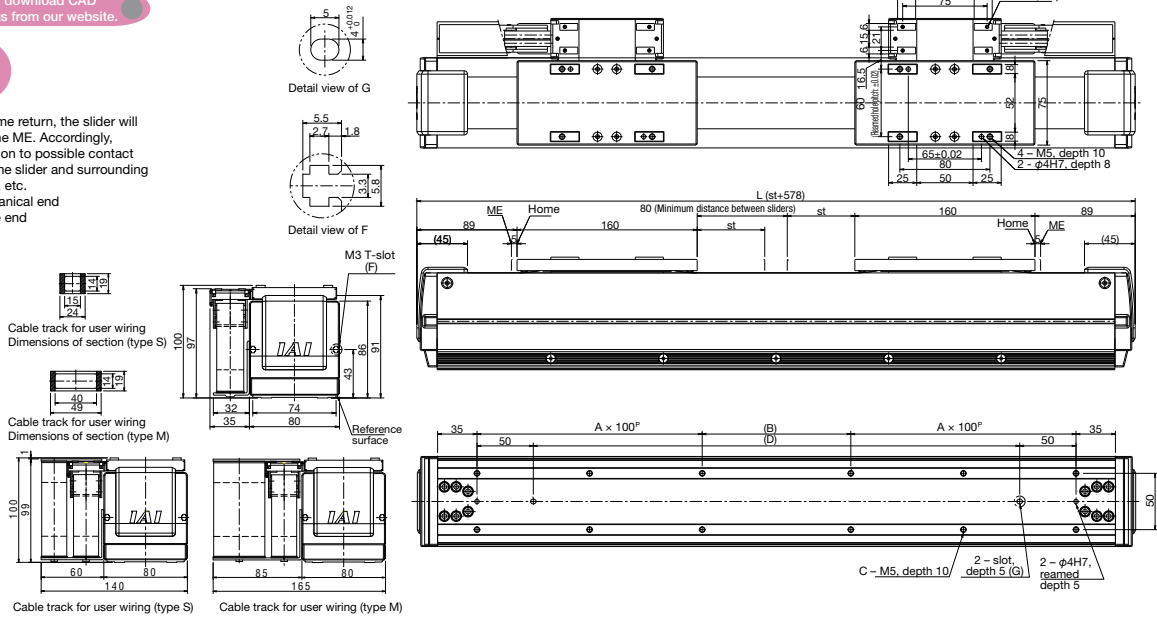
Drive method	Linear servo motor
Positioning repeatability	±0.005mm
Guide	Built-in linear guide
Permissible load moment	Ma: 42.2N • m Mb: 60.3 • m Mc: 37.6N • m
Overhang load length	300 mm or less in Ma direction / 300 mm or less in Mb/Mc directions
Base	Material: Aluminum with white alumite treatment
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	60	120	180	240	300	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	1260	1320	1380
L	638	698	758	818	878	938	998	1058	1118	1178	1238	1298	1358	1418	1478	1538	1598	1658	1718	1778	1838	1898	1958
A	2	2	3	3	3	4	4	4	5	5	5	5	6	6	6	7	7	7	8	8	8	8	9
B	132	192	52	112	172	32	92	152	12	72	132	192	52	112	172	32	92	152	12	72	132	192	52
C	12	12	16	16	16	20	20	20	24	24	24	24	28	28	28	32	32	32	36	36	36	36	40
D	432	492	552	612	672	732	792	852	912	972	1032	1092	1152	1212	1272	1332	1392	1452	1512	1572	1632	1692	1752
Weight(kg)	8.6	9.0	9.3	9.7	10.1	10.4	10.8	11.1	11.5	11.9	12.2	12.6	12.9	13.3	13.6	14.0	14.4	14.7	15.1	15.4	15.8	16.1	16.5

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



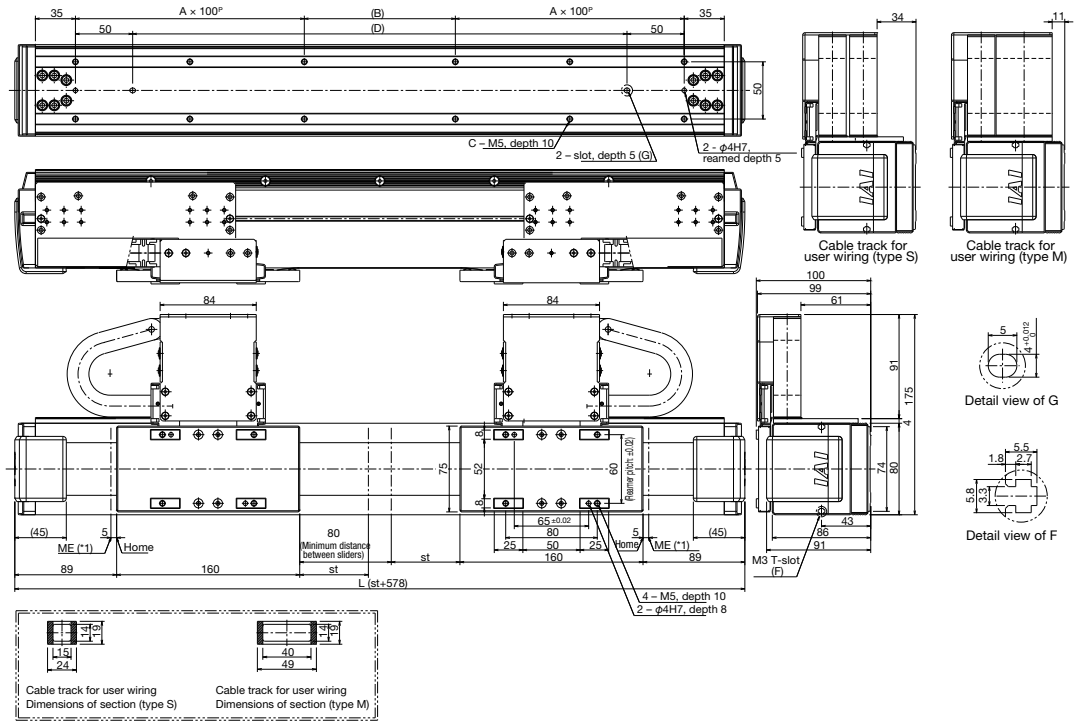
(Note 1) The maximum speed may not be attained if the stroke is short.
(Note 2) The maximum acceleration varies depending on the operating conditions.
(Note 3) The maximum cable length is 20 m for the SCON/SSEL and 30 m for the XSEL. Specify a desired length in units of meters.
(Example: X08 = 8 m)

Dimensions – Sideway Specification

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2D CAD

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Weight(kg)	9.6	10.0	10.3	10.7	11.1	11.4	11.8	12.1	12.5	12.9	13.2	13.6	13.9	14.3	14.6	15.0	15.4	15.7	16.1	16.4	16.8	17.1	17.5

Shaft type

Small type

Flat type

Medium type

Large type