LSA-W21HS

Large type, 210 mm wide High-thrust type, single-slider

■ Model Name **LSA-W21HS — I — 1000 — □ — T2 — □ — □**

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

I: Incremental specification

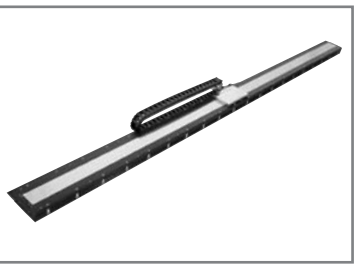
1000: 895:895mm
1000W
⁓
4000:4000mm

T2 : XSEL-P/-Q

N: None
S: 3m
M: 5m
X□□:

CT2: Cable track installation 2
CT3: Cable track installation 3

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



Model Specifications

Model	Encoder type	Applicable drive output (per slider)	Stroke Specified in 135-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-W21HS-I-1000-①-T2-②-③-L	I: Incremental	1000	895~4000	2500	120	–	400	1200	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	CT2	→P14	Installation directions 2
	CT3	→P14	Installation directions 3
	CT4	→P14	Installation directions 4
Home limit switch	L	–	Standard feature

* With the large type, the home limit switch (L) is a standard feature.

Common Specifications

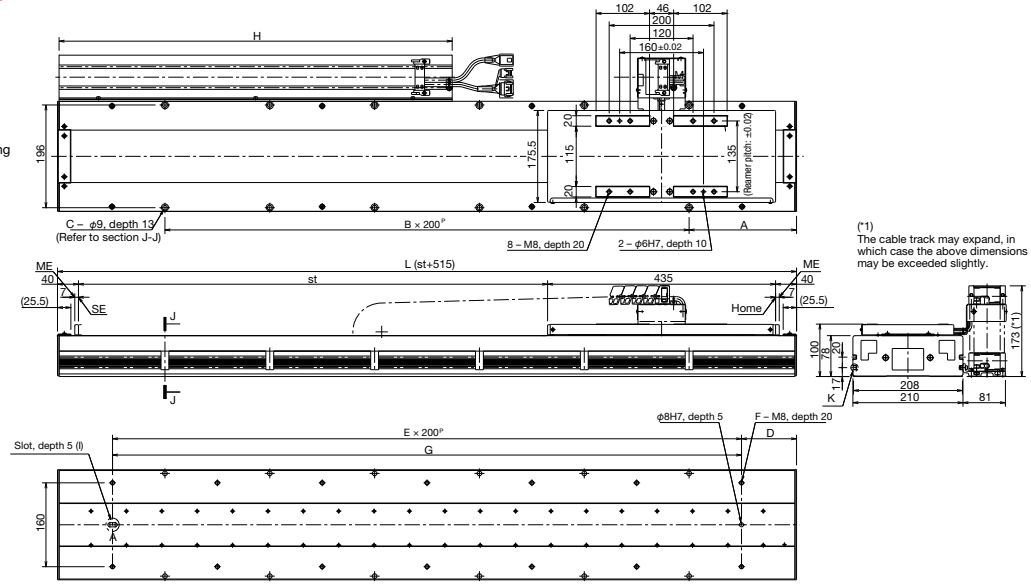
Drive method	Linear servo motor
Positioning repeatability	±0.005mm
Guide	Built-in linear guide
Permissible load moment	Ma: 275.2N • m Mb: 275.2 • m Mc: 275.2N • m
Overhang load length	750 mm or less in Ma direction / 750 mm or less in Mb/Mc directions
Base	Material: Aluminum with black alumite treatment
Applicable controller	T2: 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	895	1030	1165	1300	1435	1570	1705	1840	1975	2110	2245	2380	2515	2650	2785	2920	3055	3190	3325	3460	3595	3730	3865	4000
L	1410	1545	1680	1815	1950	2085	2220	2355	2490	2625	2760	2895	3030	3165	3300	3435	3570	3705	3840	3975	4110	4245	4380	4515
A	205	72.5	140	207.5	75	142.5	210	77.5	145	212.5	80	147.5	215	82.5	150	217.5	85	152.5	220	87.5	155	222.5	90	157.5
B	5	7	7	7	9	9	9	11	11	11	13	13	13	15	15	15	17	17	17	19	19	19	21	21
C	12	16	16	16	20	20	20	24	24	24	28	28	28	32	32	32	36	36	36	40	40	40	44	44
D	105	172.5	40	107.5	175	42.5	110	177.5	45	112.5	180	47.5	115	182.5	50	117.5	185	52.5	120	187.5	55	122.5	190	57.5
E	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18	18	18	20	20	20	22
F	14	14	18	18	18	22	22	22	26	26	26	30	30	30	34	34	34	38	38	38	42	42	42	46
G	1200	1200	1600	1600	1600	2000	2000	2000	2400	2400	2400	2800	2800	2800	3200	3200	3200	3600	3600	3600	4000	4000	4000	4400
H	760	830	900	970	1040	1120	1160	1240	1310	1380	1450	1500	1570	1640	1720	1790	1840	1910	1980	2050	2120	2200	2240	2320
Weight(kg)	50.0	54.0	58.0	62.0	66.0	70.0	74.0	78.0	82.0	86.0	90.0	94.0	98.0	102.0	106.0	110.0	114.0	118.0	122.0	126.0	130.0	134.0	138.0	142.0

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

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 30 m. Specify a desired length in units of meters.
(Example: X08 = 8 m)