LTHt

■Robot ordering method

LTHt - V - 550 - 3L - SRCH - 15 - R - 200

Model — Variation — Stroke — Cable length — Controller — Driver — Regenerative control — Power voltage

■Mechanical unit specifications

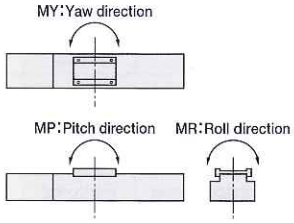
AC servo motor output (W)			200
Maximum speed (mm/sec) ※1		Horizontal	1000
		Vertical	500
Repeatability (mm)			±0.02
Maximum payload (kg)		Horizontal	40
		Vertical	20
Continuous rated thrust (daN, kgf)		Horizontal	16
		Vertical	32
Ball screw lead (mm)		Horizontal	20 (Ground)
		Vertical	10 (Ground)
Stroke	Standard	Motor is directly connected, for horizontal use	150 to 1050
	B	Space saving, for horizontal use	—
	V	For vertical use	150 to 1050※3
	BV	Space saving, for vertical use	—
Return to origin		Return to origin system	Proximity switch
		Motor side	Standard
		Non-motor side	Designate
Standard cycle time [Horizontal / Vertical] ※2		1 kg	0.47／0.77
		max kg	0.56／0.80
Controller		Horizontal	SRCH-15
		Vertical	SRCH-15-R

■Loading moment

Static loading moment	MY	MP	MR
daN·m (kgf·m)	7	7	10

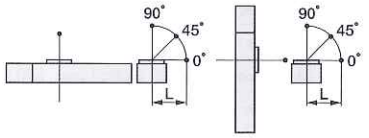
Dynamic loading moment [horizontal use] (mm)	Load \ Angle	0°	45°	90°
	5kg	525	577	1517
	10kg	247	271	729
	20kg	109	120	336
	30kg	63	70	203
	40kg	41	45	139
Dynamic loading moment [vertical use] (mm)	5kg	686	485	686
	10kg	297	210	297
	15kg	167	118	167
	20kg	102	72	102

●Static loading moment

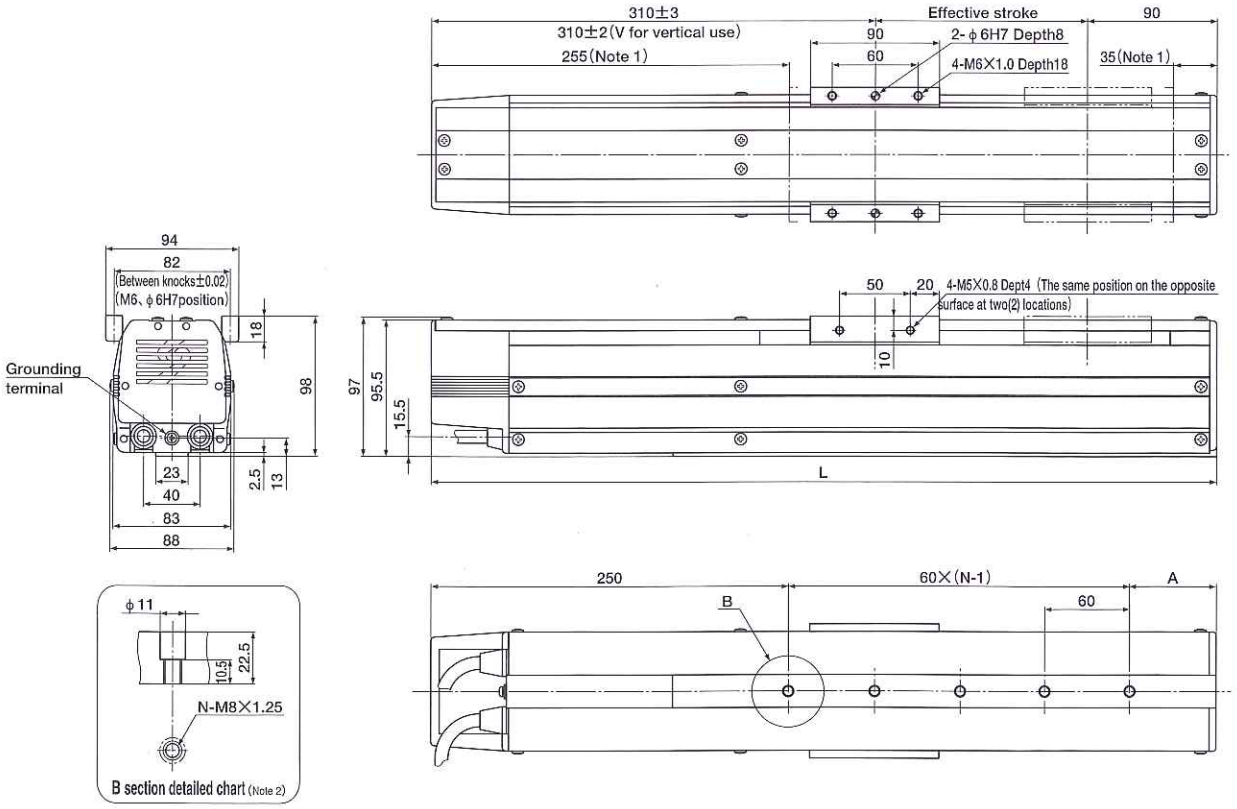


●Dynamic loading moment [horizontal use]

●Dynamic loading moment [vertical use]



※1 For a stroke of 850mm or longer, please see※1 on page 4.
※2 Travel time for a 300mm one-way stroke with standard positioning completed parameter. (when an SRCH controller is used)
※3 The regeneration unit RGU1 is required.



Effective stroke	150	250	350	450	550	650	750	850	950	1050
L	550	650	750	850	950	1050	1150	1250	1350	1450
A	60	40	80	60	40	80	60	40	80	60
N	5	7	8	10	12	13	15	17	18	20
Weight (kg)	6.7	7.5	8.2	9.0	9.8	10.5	11.3	12.0	12.8	13.5

※Note 1 : This is the position at which the slider is stopped by mechanical stoppers at both ends.
※Note 2 : Washer and spring washer cannot be used.

LTHt Space-saving model

■Robot ordering method

LTHt - BLV - 550 - 3L - SRCH - 15 - R - 200

Model — Variation — Stroke — Cable length — Controller — Driver — Regenerative control — Power voltage

■Mechanical unit specifications

AC servo motor output (W)		200
Maximum speed (mm/sec) ※1	Horizontal	1000
	Vertical	500
Repeatability (mm)		±0.02
Maximum payload (kg)	Horizontal	40
	Vertical	20
Continuous rated thrust (daN, kgf)	Horizontal	16
	Vertical	32
Ball screw lead (mm)	Horizontal	20 (Ground)
	Vertical	10 (Ground)
Stroke — Standard	Motor is directly connected, for horizontal use	—
Stroke — B	Space saving, for horizontal use	150 to 1050
Stroke — V	For vertical use	—
Stroke — BV	Space saving, for vertical use	150 to 1050 ※3
Return to origin	Return to origin system	Proximity switch
	Motor side	Standard
	Non-motor side	Designate
Standard cycle time [Horizontal / Vertical] ※2	1 kg	0.47／0.77
	max kg	0.56／0.80
Controller	Horizontal	SRCH-15
	Vertical	SRCH-15-R

■Loading moment

Static loading moment	MY	MP	MR
daN·m (kgf·m)	7	7	10

Dynamic loading moment [horizontal use] (mm)	Load \ Angle	0°	45°	90°
	5kg	525	577	1517
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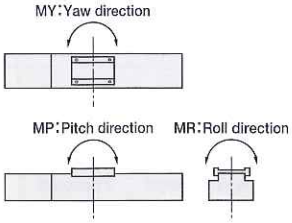
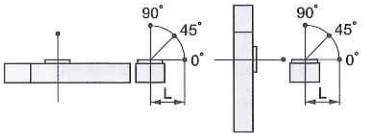
	20kg	109	120	336
	30kg	63	70	203
	40kg	41	45	139
Dynamic loading moment [vertical use] (mm)	5kg	686	485	686
	10kg	297	210	297
	15kg	167	118	167
	20kg	102	72	102

●Static loading moment

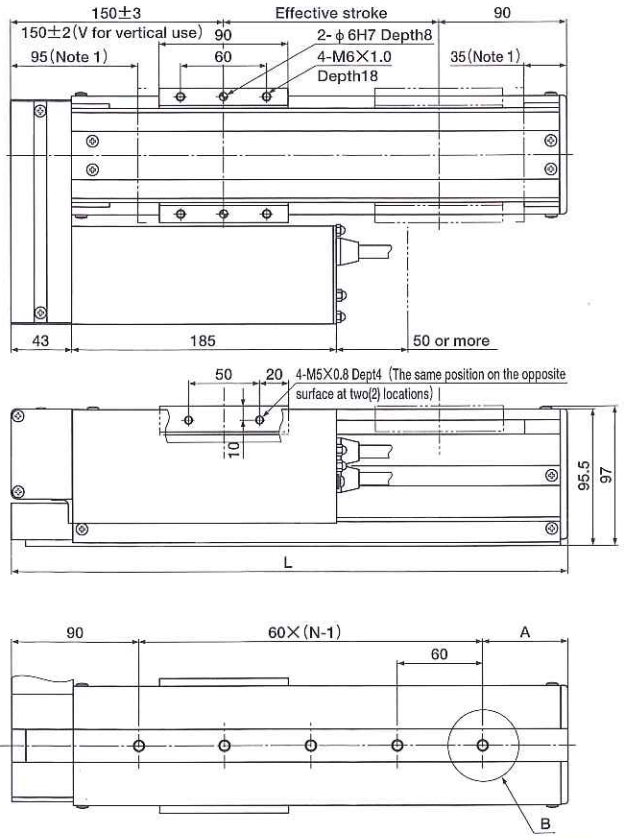


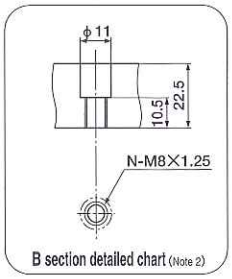
●Dynamic loading moment [horizontal use]

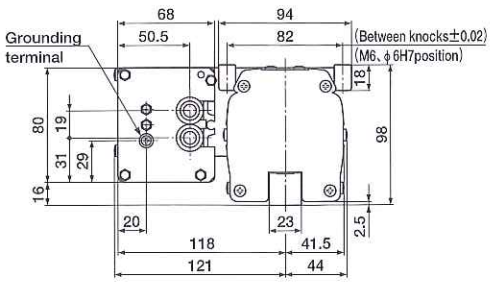
●Dynamic loading moment [vertical use]



※1 For a stroke of 850mm or longer, please see※1 on page 4.
※2 Travel time for a 300mm one-way stroke with standard positioning completed parameter. (when an SRCH controller is used)
※3 The regeneration unit RGU1 is required.







Effective stroke	150	250	350	450	550	650	750	850	950	1050
L	390	490	590	690	790	890	990	1090	1190	1290
A	60	40	80	60	40	80	60	40	80	60
N	5	7	8	10	12	13	15	17	18	20
Weight (kg)	6.7	7.5	8.2	9.0	9.8	10.5	11.3	12.0	12.8	13.5

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