



## Robot ordering method

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

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

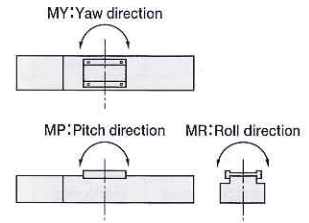
## Mechanical unit specifications

AC servo motor output (W)	200		
Maximum speed (mm/sec) <sup>※1</sup>	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 <sup>※3</sup>
	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] <sup>※2</sup>	1 kg	0.47/0.77	
	max kg	0.56/0.80	
Controller	Horizontal	SRCH-15	
	Vertical	SRCH-15-R	

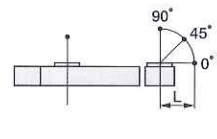
## Loading moment

Static loading moment daN·m (kgf·m)	MY	MP	MR		
	7	7	10		
Dynamic loading moment [horizontal use] (mm)	Load	Angle	0°	45°	90°
			5kg	525	577
	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	

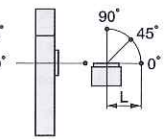
### Static loading moment



### Dynamic loading moment [horizontal use]



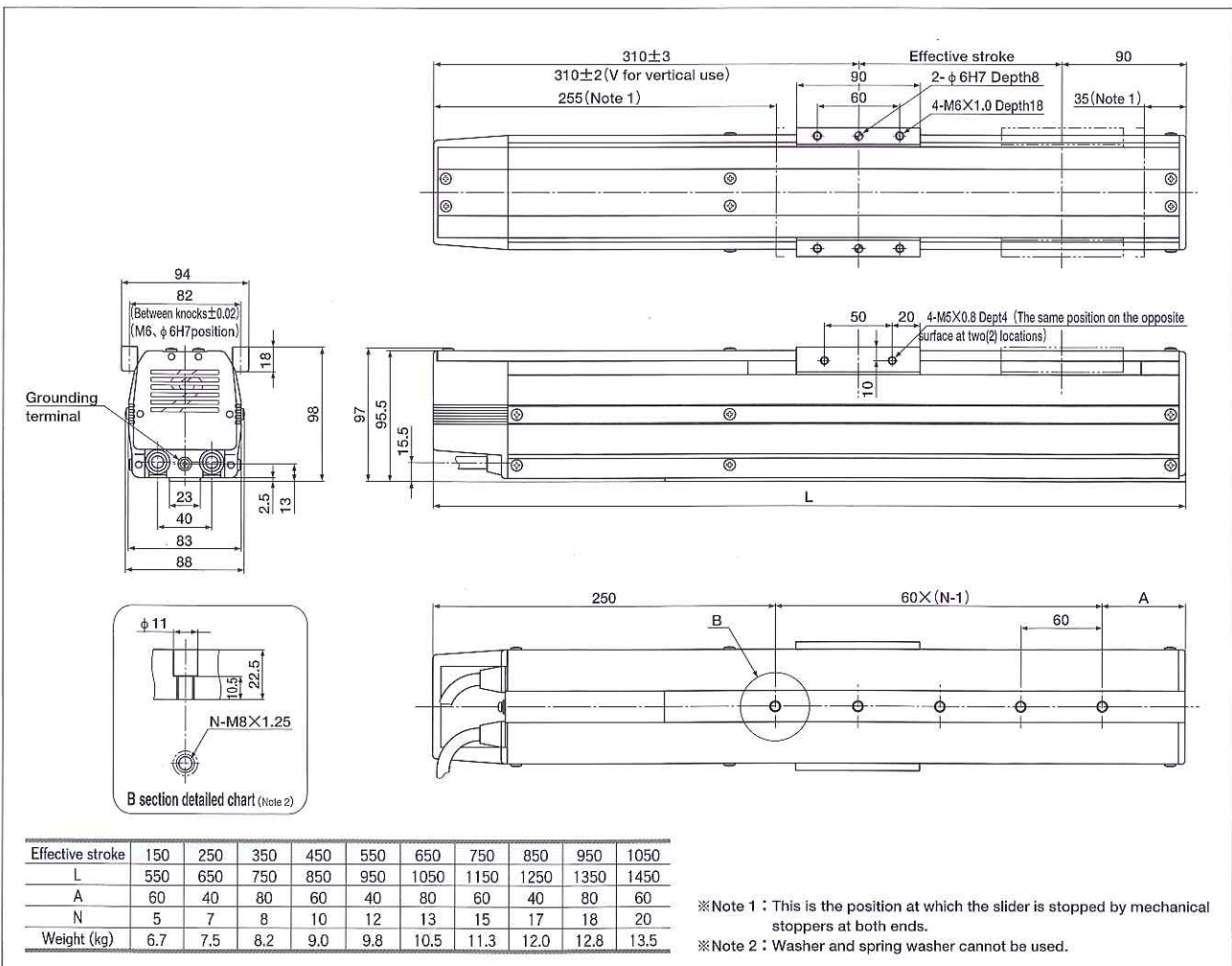
### Dynamic loading moment [vertical use]



※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.



# 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

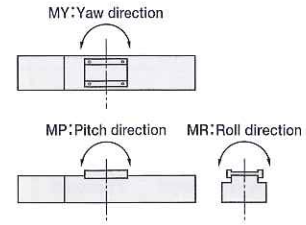
### Mechanical unit specifications

AC servo motor output (W)		200
Maximum speed (mm/sec) <sup>※1</sup>	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
	B	Space saving, for horizontal use
	V	For vertical use
	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] <sup>※2</sup>	1 kg	0.47 / 0.77
	max kg	0.56 / 0.80
Controller	Horizontal	SRCH-15
	Vertical	SRCH-15-R

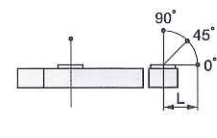
### Loading moment

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
Dynamic loading moment [vertical use] (mm)	5kg		686	485	686
	10kg		297	210	297
	15kg		167	118	167
	20kg		102	72	102

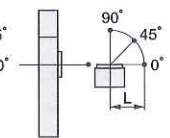
#### Static loading moment



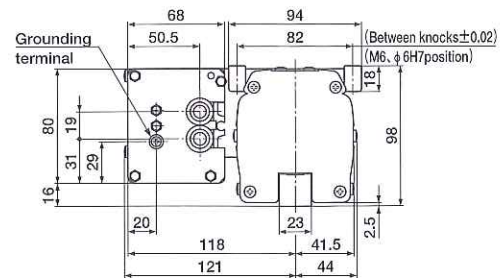
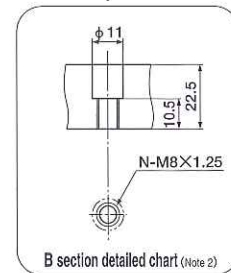
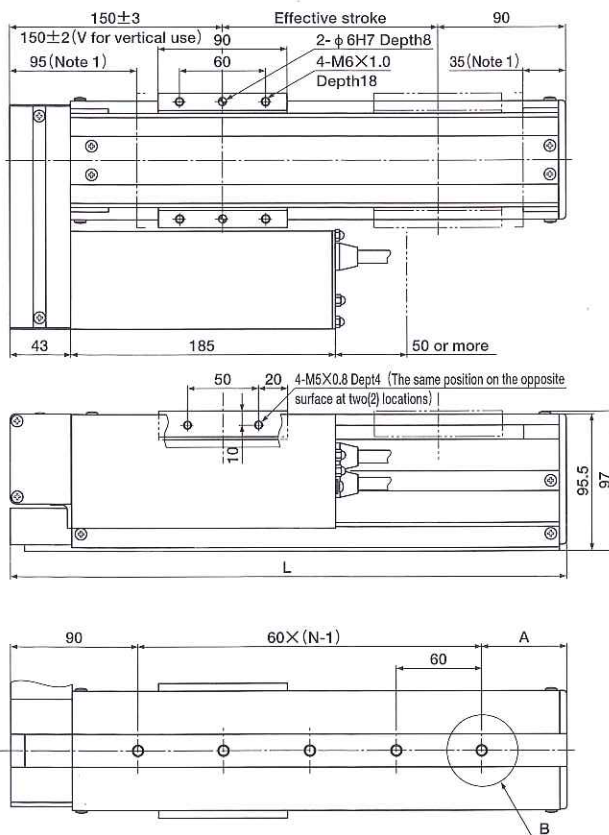
#### Dynamic loading moment [horizontal use]



#### 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

- ※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.