



Robot ordering method

LTt - V - 550 - 3L - SRCH - 05 - 200

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

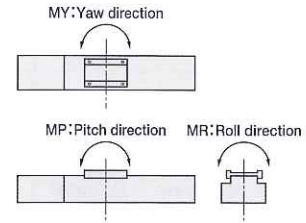
Mechanical unit specifications

AC servo motor output (W)	100	
Maximum speed (mm/sec)	Horizontal	1000 ※2
	Vertical	500
Repeatability (mm)	±0.02	
Maximum payload (kg)	Horizontal	30
	Vertical	8
Continuous rated thrust (daN, kgf)	Horizontal	8
	Vertical	16
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	Stroke end detection system
	Motor side	Standard
	Non-motor side	Designate
Standard cycle time [Horizontal / Vertical] ※3	1 kg	0.43 / 0.72
	max kg	0.98 / 0.78
Controller	ERC ※4, SRCH-05	

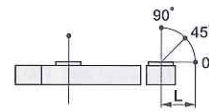
Loading moment

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	527	578
	10kg	254	286	840	
	20kg	117	136	477	
	30kg	74	90	438	
Dynamic loading moment [vertical use] (mm)	3kg	1168	826	1168	
	5kg	668	472	668	
	8kg	385	272	385	

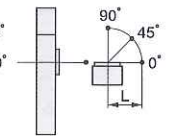
Static loading moment



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 When an ERC controller is used, the maximum speed is 900mm/sec.
- ※3 Travel time for a 300mm one-way stroke with standard positioning completed parameter. (when an SRCH controller is used)
- ※4 Only horizontal specifications are possible for the ERC.

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)	6.4	7.2	7.9	8.7	9.5	10.2	11.0	11.7	12.5	13.2

※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.

LTt Space-saving model



Robot ordering method

LTt - BLV - 550 - 3L - SRCH - 05 - 200

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

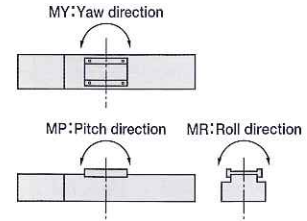
Mechanical unit specifications

AC servo motor output (W)	100	
Maximum speed (mm/sec) ^{※1}	Horizontal	1000 ^{※2}
	Vertical	500
Repeatability (mm)	±0.02	
Maximum payload (kg)	Horizontal	30
	Vertical	8
Continuous rated thrust (daN, kgf)	Horizontal	8
	Vertical	16
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	Stroke end detection system
	Motor side	Standard
	Non-motor side	Designate
Standard cycle time [Horizontal / Vertical] ^{※3}	1 kg	0.43 / 0.72
	max kg	0.98 / 0.78
Controller	ERC ^{※4} , SRCH-05	

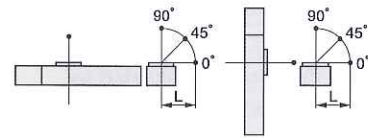
Loading moment

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		527	578	1503
	10kg		254	286	840
	20kg		117	136	477
Dynamic loading moment [vertical use] (mm)	3kg		1168	826	1168
	5kg		668	472	668
	8kg		385	272	385
	30kg		74	90	438

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 When an ERC controller is used, the maximum speed is 900mm/sec.
- ※3 Travel time for a 300mm one-way stroke with standard positioning completed parameter. (when an SRCH controller is used)
- ※4 Only horizontal specifications are possible for the ERC.

Effective stroke 150±3

90

145±2 (V for vertical use)

95 (Note 1)

60

2-φ6H7 Depth8

4-M6×1.0 Depth18

95 (V for vertical use)

35 (Note 1)

43

185

50 or more

50

20

4-M5×0.8 Depth4 (The same position on the opposite surface at two(2) locations)

10

95.5

97

L

90

60×(N-1)

60

A

B

B section detailed chart (Note 2)

Grounding terminal

68

94

50.5

82

118

121

41.5

44

2.5

16

31

29

20

18

96

(Between knocks ±0.02) (M6, φ6H7 position)

※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.

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)	6.4	7.2	7.9	8.7	9.5	10.5	11.0	11.7	12.5	13.2