

Electric Actuator with Integrated Guide

Series **LTF**

Series	Motor type	Guide type	Mounting orientation	Model	Lead screw ^{lead} mm		Page		
					Ground ball screw	Rolled ball screw			
LTF	Standard motor	Frame-type linear guide	Horizontal	LTF6	6	10	6	10	P.720
				LTF8	10	20	10	20	P.732
			Vertical	LTF6	6	10	6	10	P.744
				LTF8	10	20	10	20	P.752
	Non-standard motor		Horizontal	LTF6	6	10	6	10	P.760
				LTF8	10	20	10	20	P.780
			Vertical	LTF6	6	10	6	10	P.800
				LTF8	10	20	10	20	P.812

- Options ————— P.658
- Construction ————— P.824
- Mounting ————— P.825
- Non-standard Motor Mounting ————— P.826
- Deflection Data ————— P.827

- LJ1
- LG1
- LTF**
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6□
- LZ□
- LC3F2
- X□
- D-□
- E-MY

Part Number Designations

LTF 6 R E 1 P F - 100 - R 2 - X10

Series

6	Series 6
8	Series 8

Controller

Nil	LC1 controller compatible
8	LC8 controller compatible

Motor specification

Nil	Standard motor
R	Mitsubishi Electric Corporation

Motor output

E	100 W
F	200 W

Power supply voltage

1	100 VAC 50/60 Hz
2	200 VAC 50/60 Hz
0	Without motor

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left

Stroke (mm)

F	6 mm
H	10 mm
L	20 mm

Lead screw lead

F	6 mm
H	10 mm
L	20 mm

Brake

Nil	None
K	With brake

Lead screw type

P	Ground ball screw
N	Rolled ball screw

Motor specification

Nil	Standard motor
X10	Non-standard motor

Cable length

2	2 m
3	3 m
4	4 m
5	5 m

Switch specification

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

The tables above show the definition for each symbol only and cannot be used for actual model selection.

Standard Motor Horizontal Mount Series LTF6

Motor Output
100_w

Ground Ball Screw
∅10 mm/6 mm lead

How to Order

LC1 controller compatible **LTF6** **E1** **PF** - **300** - **R** **2**

LC8 controller compatible **LTF68** **E1** **PF** - **300** - **R** **2** -

Power supply voltage

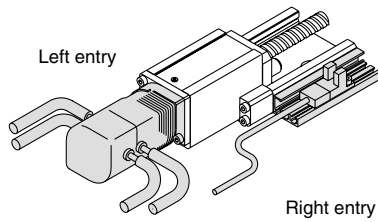
Nil	Power supply voltage	Compatible controller
E1	100/110 VAC (50/60 Hz)	LC1, LC8
E2*	200/220 VAC (50/60 Hz)	LC1
	200/230 VAC (50/60 Hz)	LC8

* The power supply voltage range differs according to each controller series.

Stroke (mm)
For details, refer to page 721.

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

Cable length

2	2 m
3	3 m
4	4 m
5	5 m

CE marking

Nil	—
Q	CE marked products



Made to order specifications
(For details, refer to page 999)

Cover specification

Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (kg)	2.2	2.7	3.2	3.7	4.2	4.7
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	30					
	Maximum speed (mm/s)	300					230
	Positioning repeatability (mm)	±0.02					
Main parts	Motor	AC servomotor (100 W)					
	Encoder	Incremental system					
	Lead screw	Ground ball screw ø10 mm, 6 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
Controller	Model	LC1	LC1-1H2HF□-□□ (Refer to page 829 for details.)				
		LC8	LC8-B2H□□-□□-□ (Refer to page 853 for details.)				

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

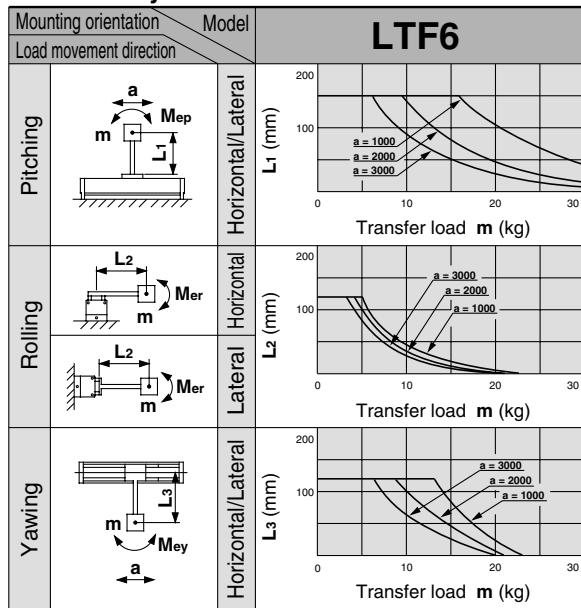
X□

D-□

E-MY

Allowable Moment (N·m)

Allowable dynamic moment

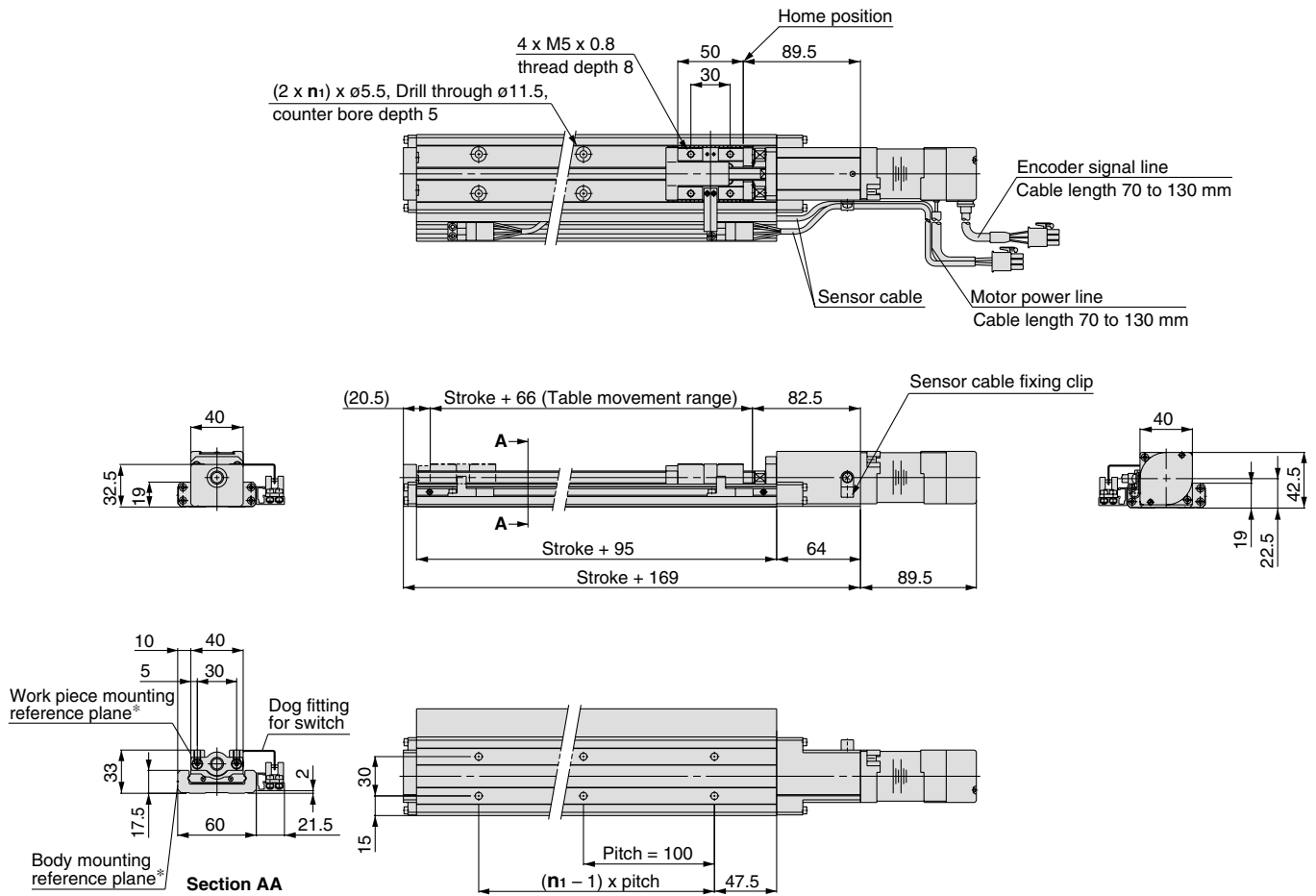


m : Transfer load (kg) Me : Allowable dynamic moment
a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Series LTF6

Dimensions/LTF6E□PF, LTF68E□PF



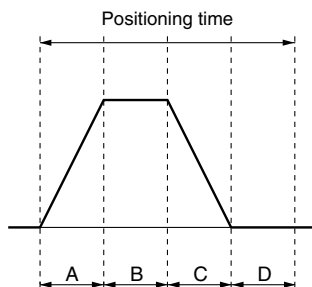
Model	Stroke	n ₁
LTF6□E□PF-100-□□	100	2
LTF6□E□PF-200-□□	200	3
LTF6□E□PF-300-□□	300	4
LTF6□E□PF-400-□□	400	5
LTF6□E□PF-500-□□	500	6
LTF6□E□PF-600-□□	600	7

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	150	0.5	0.6	1.2	2.5	4.5
	300	0.5	0.6	0.9	1.6	2.6

* Values will vary slightly depending on the operating conditions.



A: Acceleration time
 B: Constant velocity time
 C: Deceleration time
 D: Resting time (0.4 sec.)
 Maximum acceleration: 3000 mm/s²

Standard Motor Horizontal Mount Series LTF6

Motor Output
100_w

Ground Ball Screw
∅ 10 mm/10 mm lead

How to Order

LC1 controller compatible

LTF6 E1 PH - 300 - R 2

LC8 controller compatible

LTF68 E1 PH - 300 - R 2 -

Power supply voltage

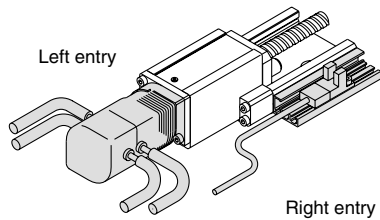
Nil	Power supply voltage	Compatible controller
E1	100/110 VAC (50/60 Hz)	LC1, LC8
E2*	200/220 VAC (50/60 Hz)	LC1
	200/230 VAC (50/60 Hz)	LC8

* The power supply voltage range differs according to each controller series.

Stroke (mm)
For details, refer to page 724.

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

Cable length

2	2 m
3	3 m
4	4 m
5	5 m

CE marking

Nil	—
Q	CE marked products

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY



Made to order specifications
(For details, refer to page 999)

Cover specification

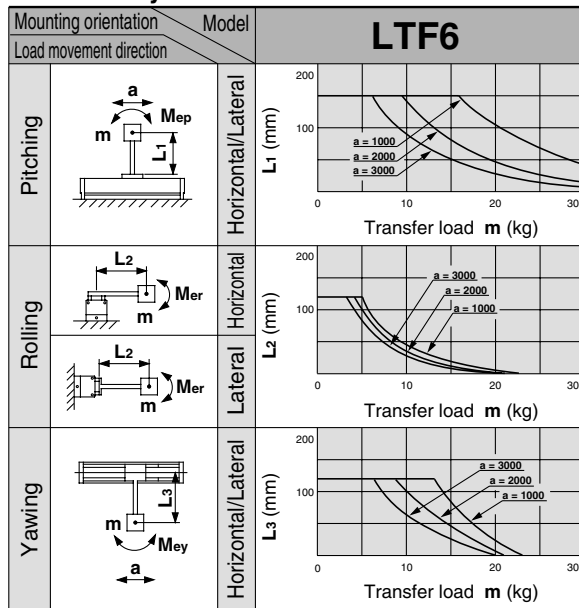
Series LTF6

Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (kg)	2.2	2.7	3.2	3.7	4.2	4.7
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	15					
	Maximum speed (mm/s)	500					390
	Positioning repeatability (mm)	±0.02					
Main parts	Motor	AC servomotor (100 W)					
	Encoder	Incremental system					
	Lead screw	Ground ball screw ø10 mm, 10 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
Controller	Model	LC1	LC1-1H2HH□-□□ (Refer to page 829 for details.)				
		LC8	LC8-B2H□□-□□-□ (Refer to page 853 for details.)				

Allowable Moment (N·m)

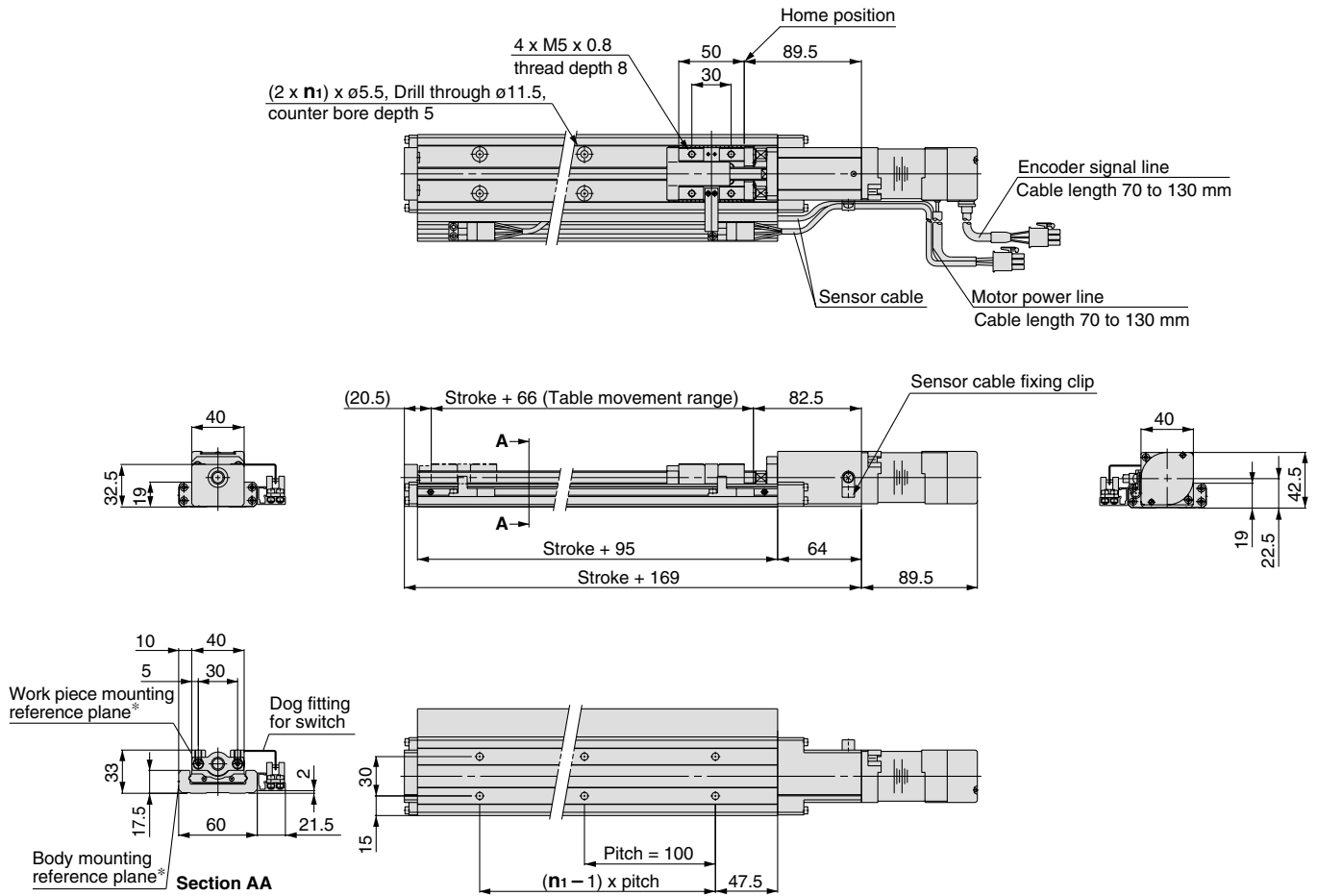
Allowable dynamic moment



m : Transfer load (kg) Me : Allowable dynamic moment
a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF6E□PH, LTF68E□PH



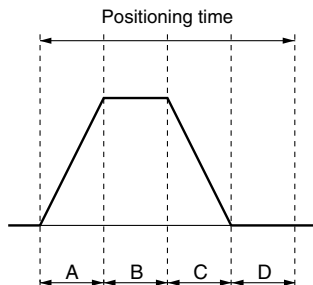
Model	Stroke	n ₁
LTF6□E□PH-100-□□	100	2
LTF6□E□PH-200-□□	200	3
LTF6□E□PH-300-□□	300	4
LTF6□E□PH-400-□□	400	5
LTF6□E□PH-500-□□	500	6
LTF6□E□PH-600-□□	600	7

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	250	0.5	0.6	0.9	1.7	2.9
	500	0.5	0.6	0.8	1.2	1.8

* Values will vary slightly depending on the operating conditions.



A: Acceleration time
 B: Constant velocity time
 C: Deceleration time
 D: Resting time (0.4 sec.)
 Maximum acceleration: 3000 mm/s²

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

X□

D-□

E-MY

Standard Motor Horizontal Mount Series LTF6

Motor Output
100_w

Rolled Ball Screw
Ø 10 mm/6 mm lead

How to Order

LC1 controller compatible

LTF6 **E1** **NF** - **300** - **R** **2**

LC8 controller compatible

LTF68 **E1** **NF** - **300** - **R** **2** -

Power supply voltage

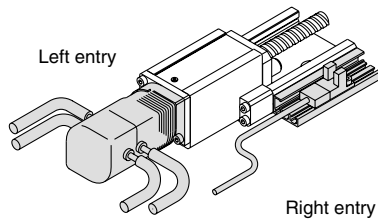
Nil	Power supply voltage	Compatible controller
E1	100/110 VAC (50/60 Hz)	LC1, LC8
E2*	200/220 VAC (50/60 Hz)	LC1
	200/230 VAC (50/60 Hz)	LC8

* The power supply voltage range differs according to each controller series.

Stroke (mm)
For details, refer to page 727.

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

Cable length

2	2 m
3	3 m
4	4 m
5	5 m

CE marking

Nil	—
Q	CE marked products



Made to order specifications
(For details, refer to page 999)

Cover specification

Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (kg)	2.2	2.7	3.2	3.7	4.2	4.7
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	30					
	Maximum speed (mm/s)	300					230
	Positioning repeatability (mm)	±0.05					
Main parts	Motor	AC servomotor (100 W)					
	Encoder	Incremental system					
	Lead screw	Rolled ball screw ø10 mm, 6 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
Controller	Model	LC1	LC1-1H2HF□-□□ (Refer to page 829 for details.)				
		LC8	LC8-B2H□□-□□-□ (Refer to page 853 for details.)				

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

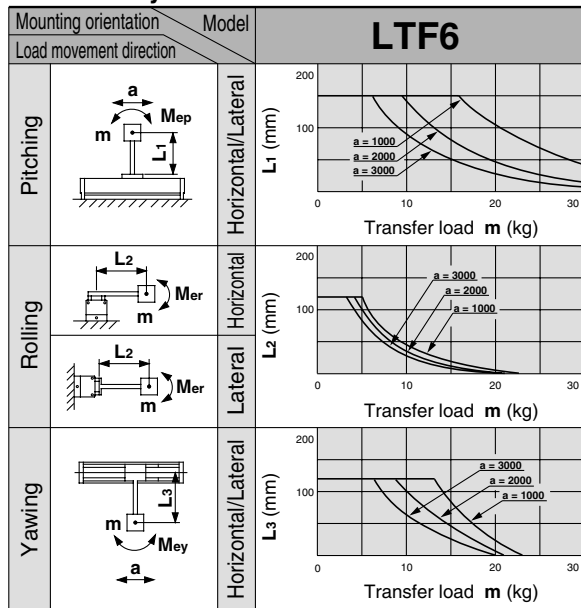
X□

D-□

E-MY

Allowable Moment (N·m)

Allowable dynamic moment

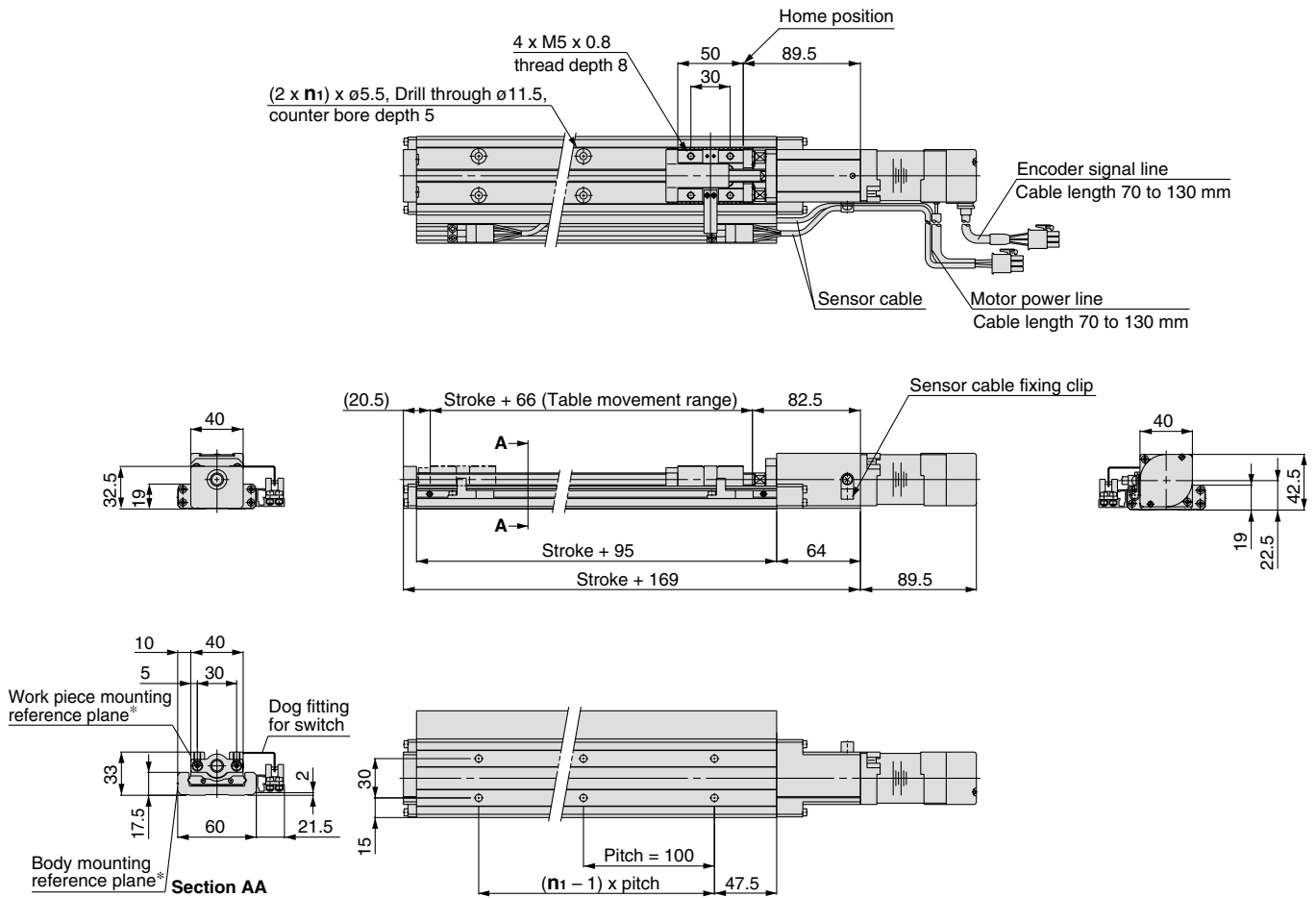


m : Transfer load (kg) Me : Allowable dynamic moment
 a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Series LTF6

Dimensions/LTF6E□NF, LTF68E□NF



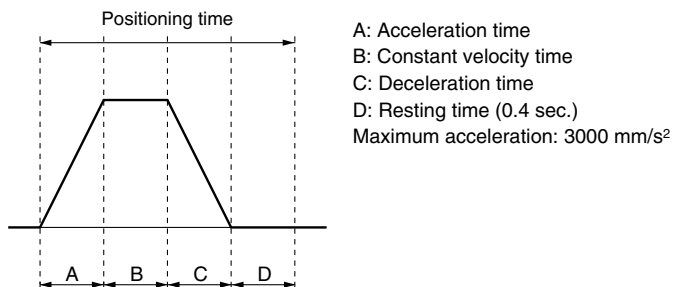
Model	Stroke	n ₁
LTF6□E□NF-100-□□	100	2
LTF6□E□NF-200-□□	200	3
LTF6□E□NF-300-□□	300	4
LTF6□E□NF-400-□□	400	5
LTF6□E□NF-500-□□	500	6
LTF6□E□NF-600-□□	600	7

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	150	0.5	0.6	1.2	2.5	4.5
	300	0.5	0.6	0.9	1.6	2.6

* Values will vary slightly depending on the operating conditions.



Standard Motor Horizontal Mount Series LTF6

Motor Output
100_w

Rolled Ball Screw
∅ 10 mm/10 mm lead

How to Order

LC1 controller compatible

LTF6 E1 NH - 300 - R 2

LC8 controller compatible

LTF68 E1 NH - 300 - R 2 -

Power supply voltage

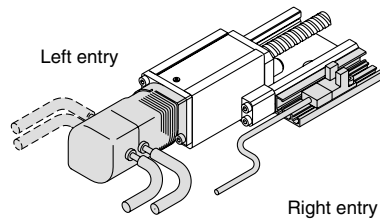
Nil	Power supply voltage	Compatible controller
E1	100/110 VAC (50/60 Hz)	LC1, LC8
E2*	200/220 VAC (50/60 Hz)	LC1
	200/230 VAC (50/60 Hz)	LC8

* The power supply voltage range differs according to each controller series.

Stroke (mm)
For details, refer to page 730.

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

Cable length

2	2 m
3	3 m
4	4 m
5	5 m

CE marking

Nil	—
Q	CE marked products



Made to order specifications
(For details, refer to page 999)

Cover specification

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

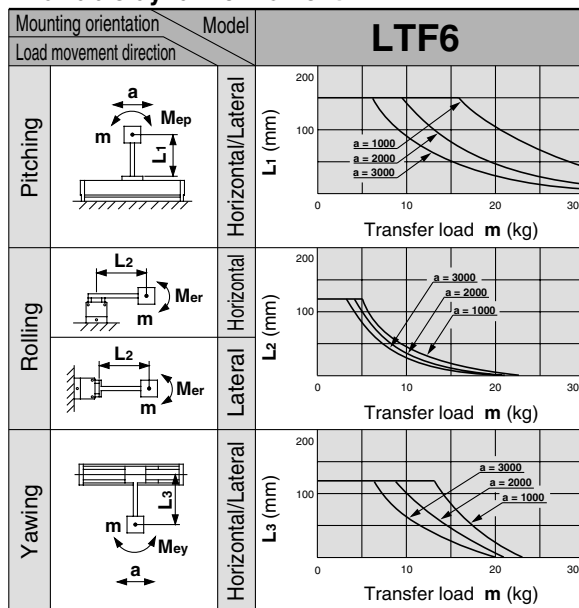
Series LTF6

Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (kg)	2.2	2.7	3.2	3.7	4.2	4.7
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	15					
	Maximum speed (mm/s)	500					390
	Positioning repeatability (mm)	±0.05					
Main parts	Motor	AC servomotor (100 W)					
	Encoder	Incremental system					
	Lead screw	Rolled ball screw ø10 mm, 10 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
Controller	Model	LC1	LC1-1H2HH□-□□ (Refer to page 829 for details.)				
		LC8	LC8-B2H□□-□□-□ (Refer to page 853 for details.)				

Allowable Moment (N·m)

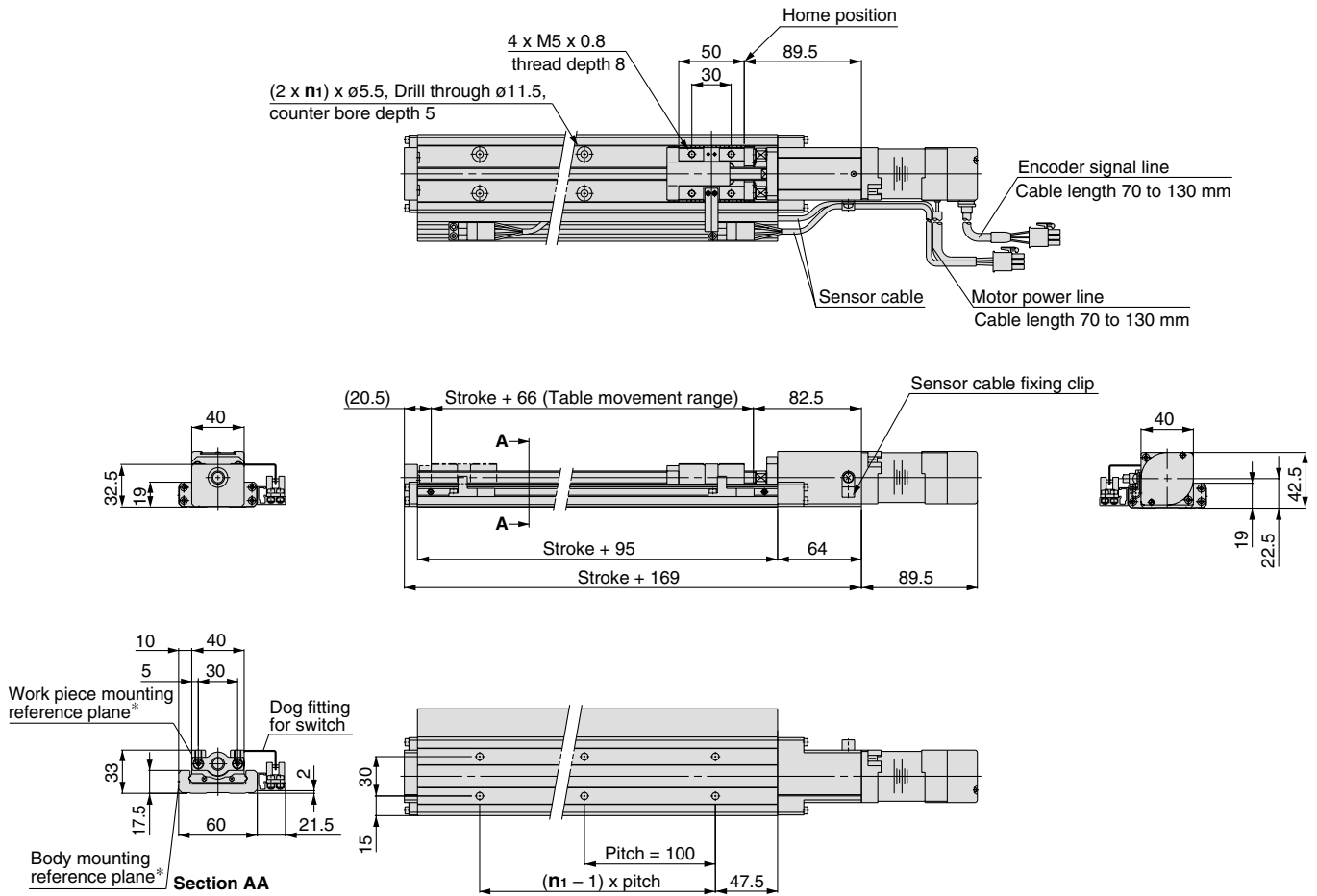
Allowable dynamic moment



m : Transfer load (kg) M_e : Allowable dynamic moment
 a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF6E□NH, LTF68E□NH



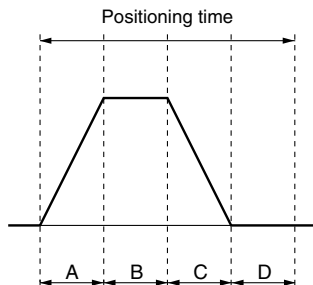
Model	Stroke	n ₁
LTF6□E□NH-100-□□	100	2
LTF6□E□NH-200-□□	200	3
LTF6□E□NH-300-□□	300	4
LTF6□E□NH-400-□□	400	5
LTF6□E□NH-500-□□	500	6
LTF6□E□NH-600-□□	600	7

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	250	0.5	0.6	0.9	1.7	2.9
	500	0.5	0.6	0.8	1.2	1.8

* Values will vary slightly depending on the operating conditions.



A: Acceleration time
 B: Constant velocity time
 C: Deceleration time
 D: Resting time (0.4 sec.)
 Maximum acceleration: 3000 mm/s²

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

X□

D-□

E-MY

Standard Motor Horizontal Mount Series LTF8

Motor Output
200_w

Ground Ball Screw
∅ 15 mm/10 mm lead

How to Order

LC1 controller compatible **LTF8** **F1** **PH** - **300** - **R** **2**

LC8 controller compatible **LTF88** **F1** **PH** - **300** - **R** **2** -

Power supply voltage

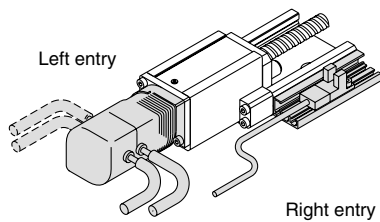
Nil	Power supply voltage	Compatible controller
F1	100/110 VAC (50/60 Hz)	LC1, LC8
F2*	200/220 VAC (50/60 Hz)	LC1
	200/230 VAC (50/60 Hz)	LC8

* The power supply voltage range differs according to each controller series.

Stroke (mm)
For details, refer to page 733.

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

Cable length

2	2 m
3	3 m
4	4 m
5	5 m

CE marking

Nil	—
Q	CE marked products



Made to order specifications
(For details, refer to page 999)

Cover specification

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (kg)	4.6	5.5	6.3	7.1	8.0	8.8	9.6	10.5	11.3	12.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	50									
	Maximum speed (mm/s)	500						440	350	290	240
	Positioning repeatability (mm)	±0.02									
Main parts	Motor	AC servomotor (200 W)									
	Encoder	Incremental system									
	Lead screw	Ground ball screw ø15 mm, 10 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)									
Controller	Model	LC1	LC1-1H3HH□-□□ (Refer to page 829 for details.)								
		LC8	LC8-B3H□□-□□-□ (Refer to page 853 for details.)								

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

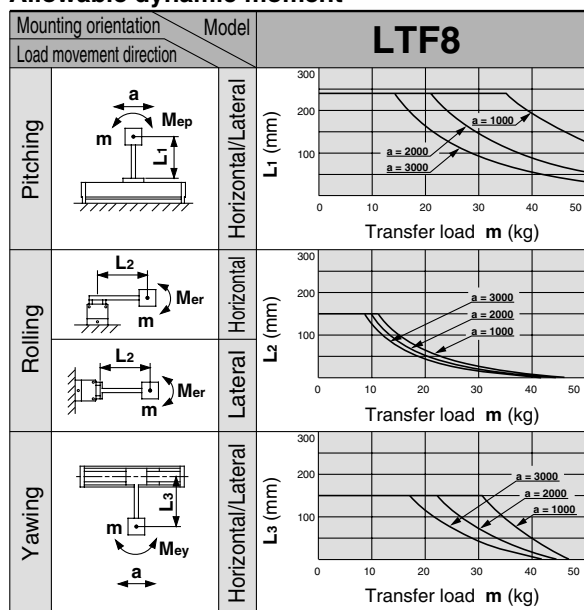
X□

D-□

E-MY

Allowable Moment (N·m)

Allowable dynamic moment

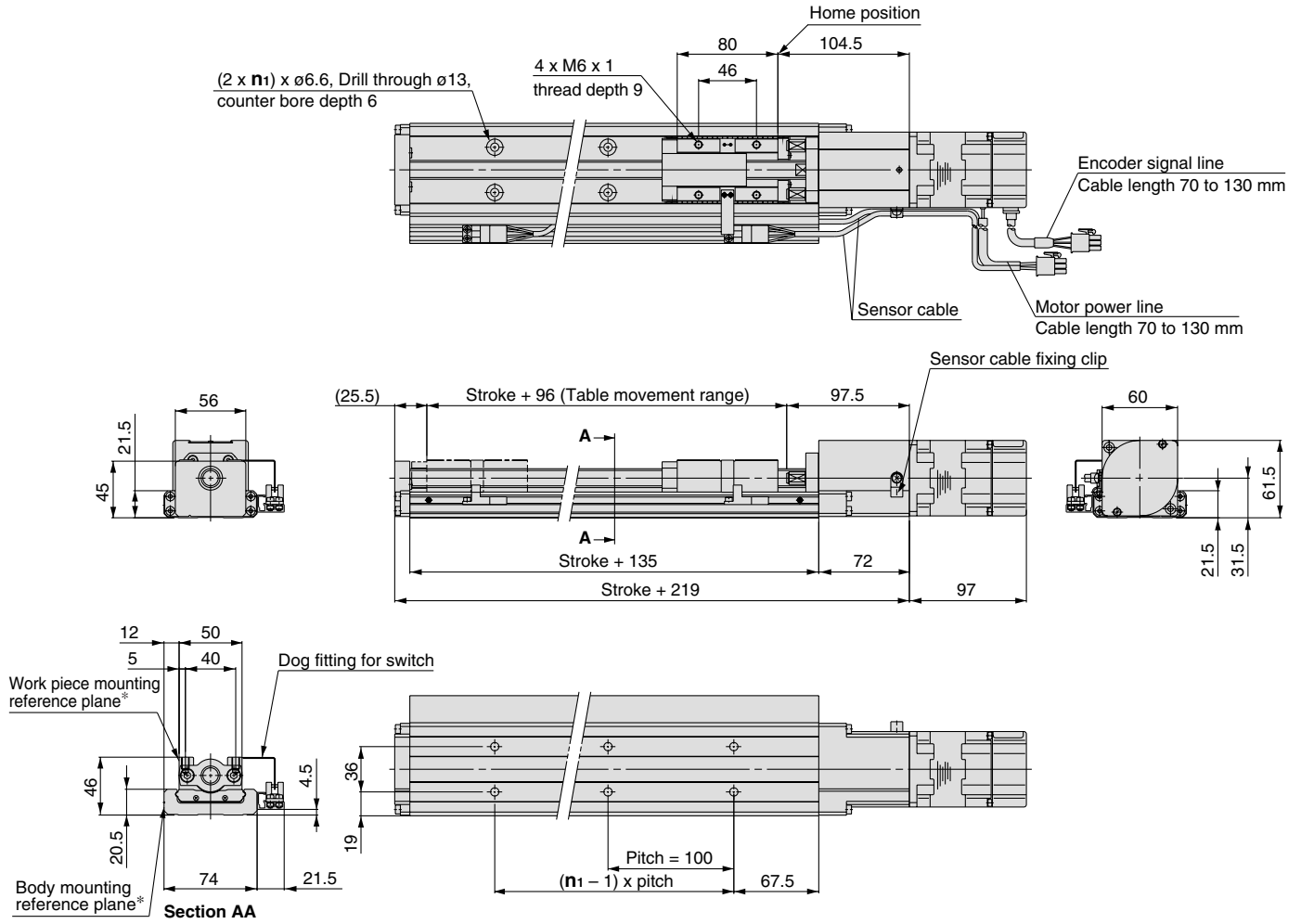


m : Transfer load (kg) Me : Allowable dynamic moment
 a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Series LTF8

Dimensions/LTF8F□PH, LTF88F□PH



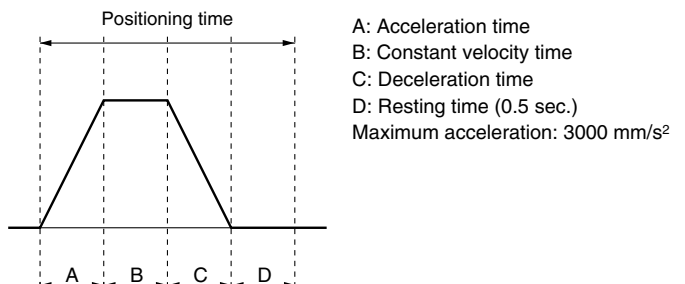
Model	Stroke	n ₁
LTF8□F□PH- 100-□□	100	2
LTF8□F□PH- 200-□□	200	3
LTF8□F□PH- 300-□□	300	4
LTF8□F□PH- 400-□□	400	5
LTF8□F□PH- 500-□□	500	6
LTF8□F□PH- 600-□□	600	7
LTF8□F□PH- 700-□□	700	8
LTF8□F□PH- 800-□□	800	9
LTF8□F□PH- 900-□□	900	10
LTF8□F□PH-1000-□□	1000	11

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	250	0.6	0.7	1.0	2.6	4.6
	500	0.6	0.7	0.9	1.7	2.7

* Values will vary slightly depending on the operating conditions.



Standard Motor Horizontal Mount Series LTF8

Motor Output
200_w

Ground Ball Screw
∅ 15 mm/20 mm lead

How to Order

LC1 controller compatible

LTF8 F1 PL - 300 - R 2

LC8 controller compatible

LTF88 F1 PL - 300 - R 2 -

Power supply voltage

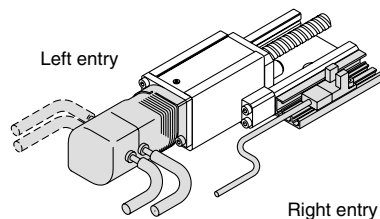
Nil	Power supply voltage	Compatible controller
F1	100/110 VAC (50/60 Hz)	LC1, LC8
F2*	200/220 VAC (50/60 Hz)	LC1
	200/230 VAC (50/60 Hz)	LC8

* The power supply voltage range differs according to each controller series.

Stroke (mm)
For details, refer to page 736.

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

Cable length

2	2 m
3	3 m
4	4 m
5	5 m

CE marking

Nil	—
Q	CE marked products



Made to order specifications
(For details, refer to page 999)

Cover specification

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

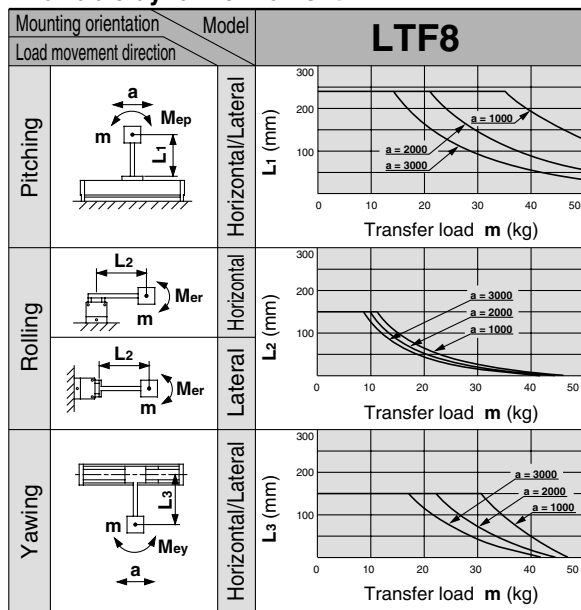
Series LTF8

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (kg)	4.6	5.5	6.3	7.1	8.0	8.8	9.6	10.5	11.3	12.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	25									
	Maximum speed (mm/s)	1000						890	710	580	480
	Positioning repeatability (mm)	±0.02									
Main parts	Motor	AC servomotor (200 W)									
	Encoder	Incremental system									
	Lead screw	Ground ball screw ø15 mm, 20 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)									
Controller	Model	LC1	LC1-1H3HL□-□□ (Refer to page 829 for details.)								
		LC8	LC8-B3H□□-□□-□ (Refer to page 853 for details.)								

Allowable Moment (N·m)

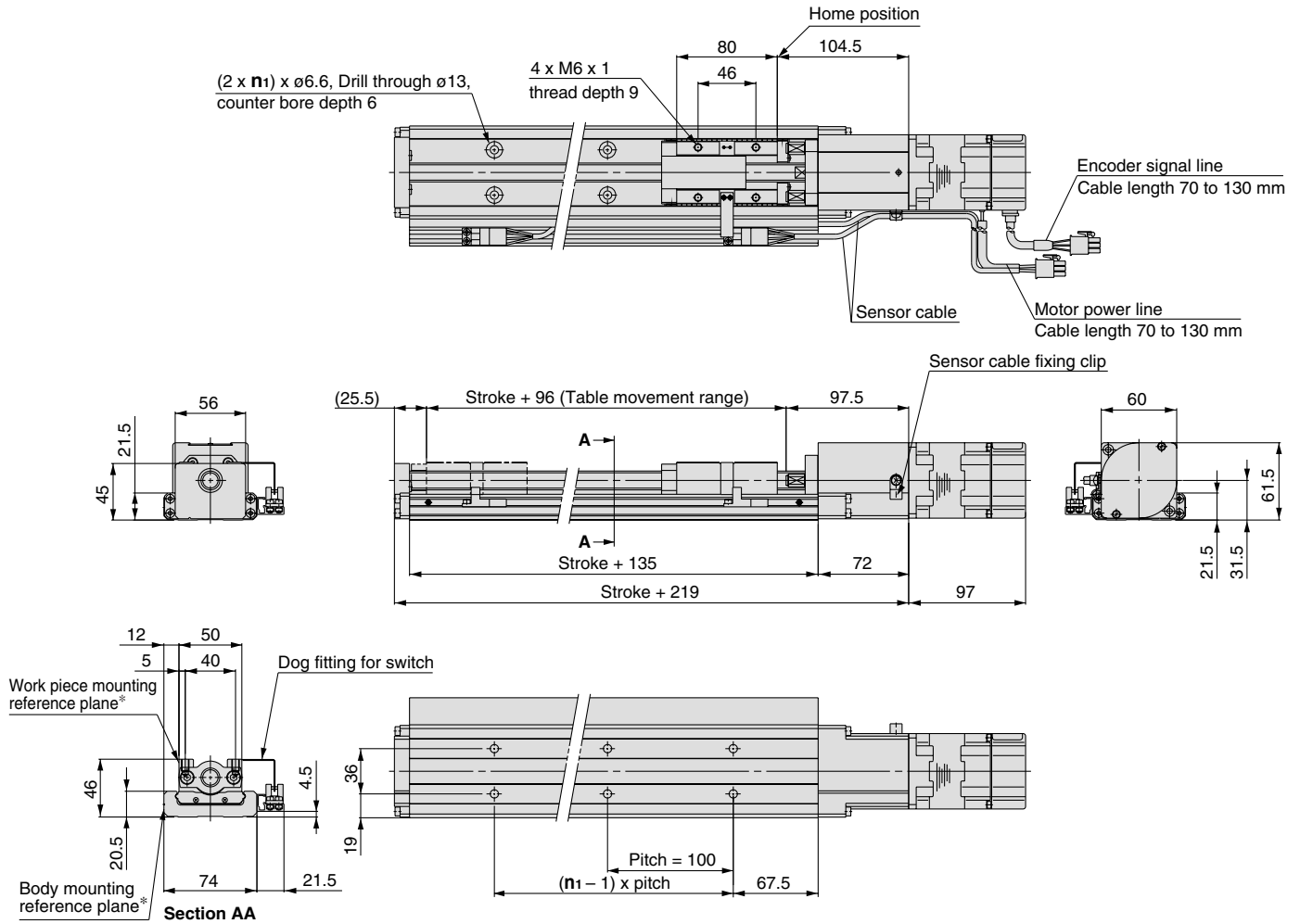
Allowable dynamic moment



m : Transfer load (kg) Me : Allowable dynamic moment
 a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF8F□PL, LTF88F□PL



- LJ1
- LG1
- LTF**
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6□
- LZ□
- LC3F2
- X□
- D-□
- E-MY

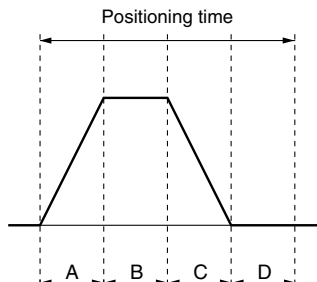
Model	Stroke	n ₁
LTF8□F□PL- 100-□□	100	2
LTF8□F□PL- 200-□□	200	3
LTF8□F□PL- 300-□□	300	4
LTF8□F□PL- 400-□□	400	5
LTF8□F□PL- 500-□□	500	6
LTF8□F□PL- 600-□□	600	7
LTF8□F□PL- 700-□□	700	8
LTF8□F□PL- 800-□□	800	9
LTF8□F□PL- 900-□□	900	10
LTF8□F□PL-1000-□□	1000	11

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	500	0.6	0.7	0.9	1.7	2.7
	1000	0.6	0.7	0.9	1.4	1.9

* Values will vary slightly depending on the operating conditions.



A: Acceleration time
 B: Constant velocity time
 C: Deceleration time
 D: Resting time (0.5 sec.)
 Maximum acceleration: 3000 mm/s²

Standard Motor Horizontal Mount Series LTF8

Motor Output
200_w

Rolled Ball Screw
∅ 15 mm/10 mm lead

How to Order

LC1 controller compatible **LTF8** **F1** **NH** - **300** - **R** **2**

LC8 controller compatible **LTF88** **F1** **NH** - **300** - **R** **2** -

Power supply voltage

Nil	Power supply voltage	Compatible controller
F1	100/110 VAC (50/60 Hz)	LC1, LC8
F2*	200/220 VAC (50/60 Hz)	LC1
	200/230 VAC (50/60 Hz)	LC8

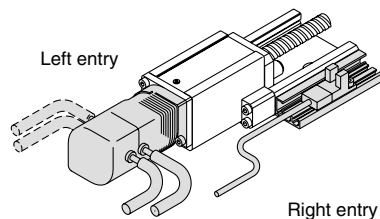
* The power supply voltage range differs according to each controller series.

Stroke (mm)

For details, refer to page 739.

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

Cable length

2	2 m
3	3 m
4	4 m
5	5 m

CE marking

Nil	—
Q	CE marked products



Made to order specifications
(For details, refer to page 999)

Cover specification

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (kg)	4.6	5.5	6.3	7.1	8.0	8.8	9.6	10.5	11.3	12.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	50									
	Maximum speed (mm/s)	500						440	350	290	240
	Positioning repeatability (mm)	±0.05									
Main parts	Motor	AC servomotor (200 W)									
	Encoder	Incremental system									
	Lead screw	Rolled ball screw ø15 mm, 10 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)									
Controller	Model	LC1	LC1-1H3HH□-□□ (Refer to page 829 for details.)								
		LC8	LC8-B3H□□-□□-□ (Refer to page 853 for details.)								

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

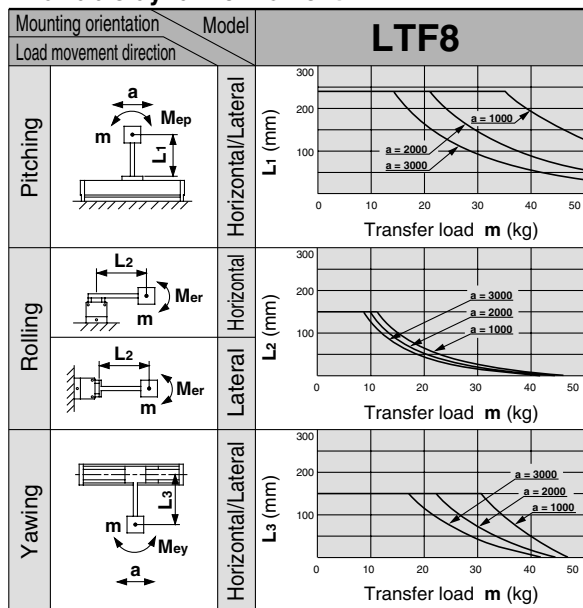
X□

D-□

E-MY

Allowable Moment (N·m)

Allowable dynamic moment

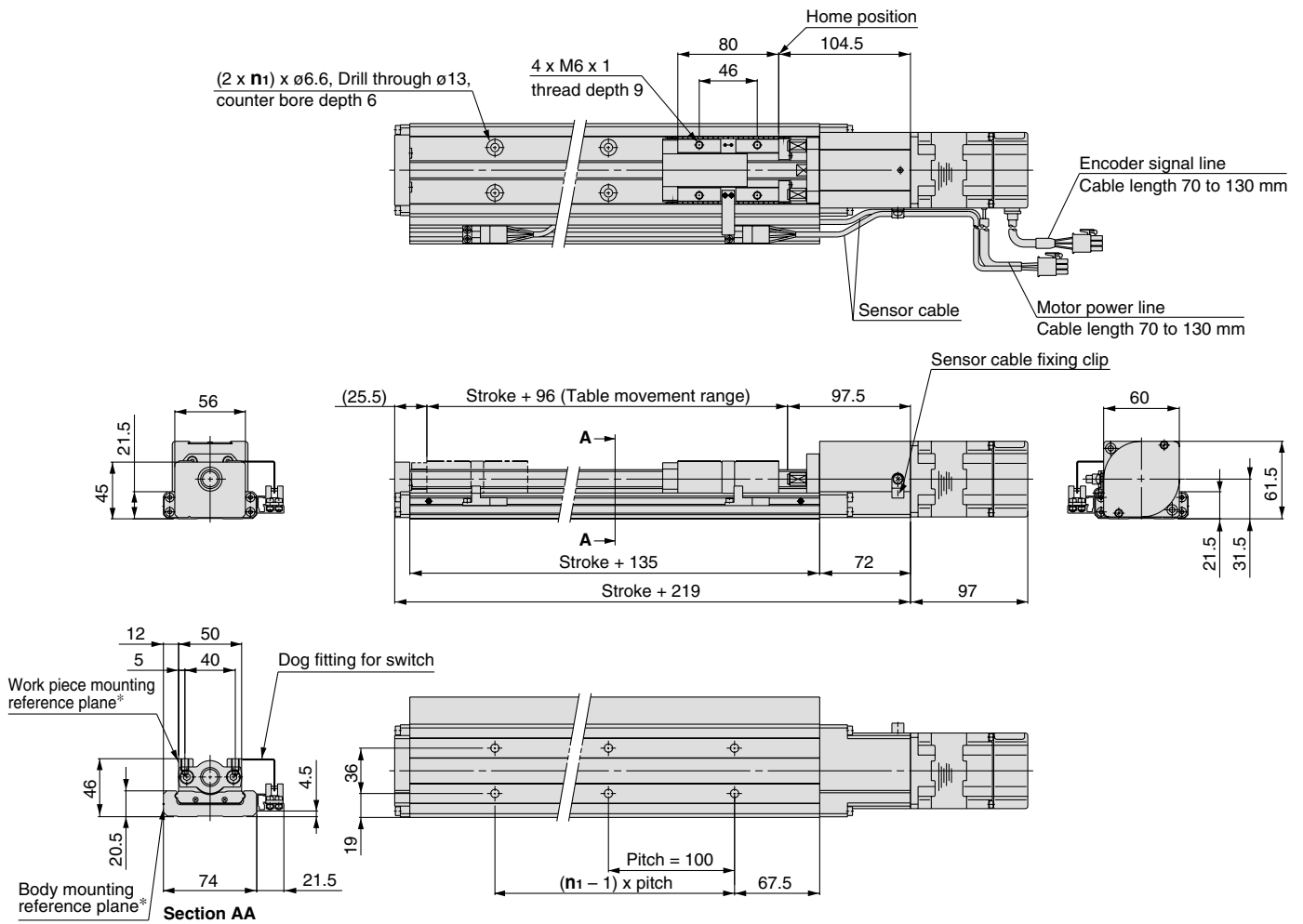


m : Transfer load (kg) Me : Allowable dynamic moment
 a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Series LTF8

Dimensions/LTF8F□NH, LTF88F□NH



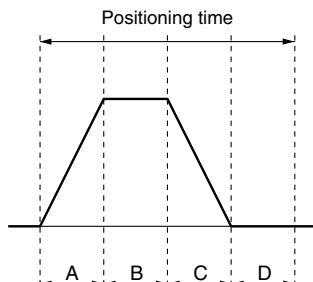
Model	Stroke	n1
LTF8□F□NH- 100-□□	100	2
LTF8□F□NH- 200-□□	200	3
LTF8□F□NH- 300-□□	300	4
LTF8□F□NH- 400-□□	400	5
LTF8□F□NH- 500-□□	500	6
LTF8□F□NH- 600-□□	600	7
LTF8□F□NH- 700-□□	700	8
LTF8□F□NH- 800-□□	800	9
LTF8□F□NH- 900-□□	900	10
LTF8□F□NH-1000-□□	1000	11

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	250	0.6	0.7	1.0	2.6	4.6
	500	0.6	0.7	0.9	1.7	2.7

* Values will vary slightly depending on the operating conditions.



A: Acceleration time
 B: Constant velocity time
 C: Deceleration time
 D: Resting time (0.5 sec.)
 Maximum acceleration: 3000 mm/s²

Standard Motor Horizontal Mount Series LTF8

Motor Output
200_w

Rolled Ball Screw
∅ 15 mm/20 mm lead

How to Order

LC1 controller compatible

LTF8 **F1** **NL** - **300** - **R** **2**

LC8 controller compatible

LTF88 **F1** **NL** - **300** - **R** **2** -

Power supply voltage

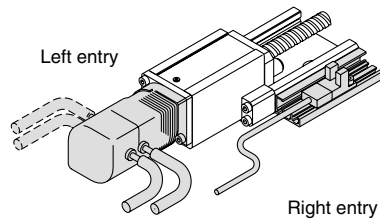
Nil	Power supply voltage	Compatible controller
F1	100/110 VAC (50/60 Hz)	LC1, LC8
F2*	200/220 VAC (50/60 Hz)	LC1
	200/230 VAC (50/60 Hz)	LC8

* The power supply voltage range differs according to each controller series.

Stroke (mm)
For details, refer to page 742.

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

Cable length

2	2 m
3	3 m
4	4 m
5	5 m

CE marking

Nil	—
Q	CE marked products



Made to order specifications
(For details, refer to page 999)

Cover specification

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

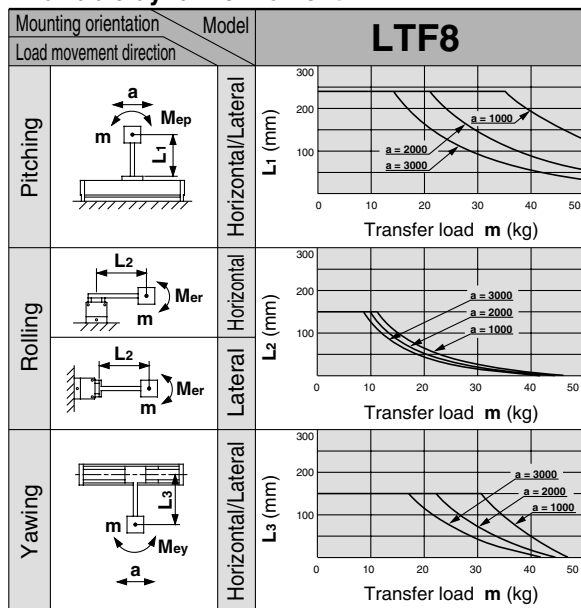
Series LTF8

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (kg)	4.6	5.5	6.3	7.1	8.0	8.8	9.6	10.5	11.3	12.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	25									
	Maximum speed (mm/s)	1000						890	710	580	480
	Positioning repeatability (mm)	±0.05									
Main parts	Motor	AC servomotor (200 W)									
	Encoder	Incremental system									
	Lead screw	Rolled ball screw ø15 mm, 20 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)									
Controller	Model	LC1	LC1-1H3HL□-□□ (Refer to page 829 for details.)								
		LC8	LC8-B3H□□-□□-□ (Refer to page 853 for details.)								

Allowable Moment (N·m)

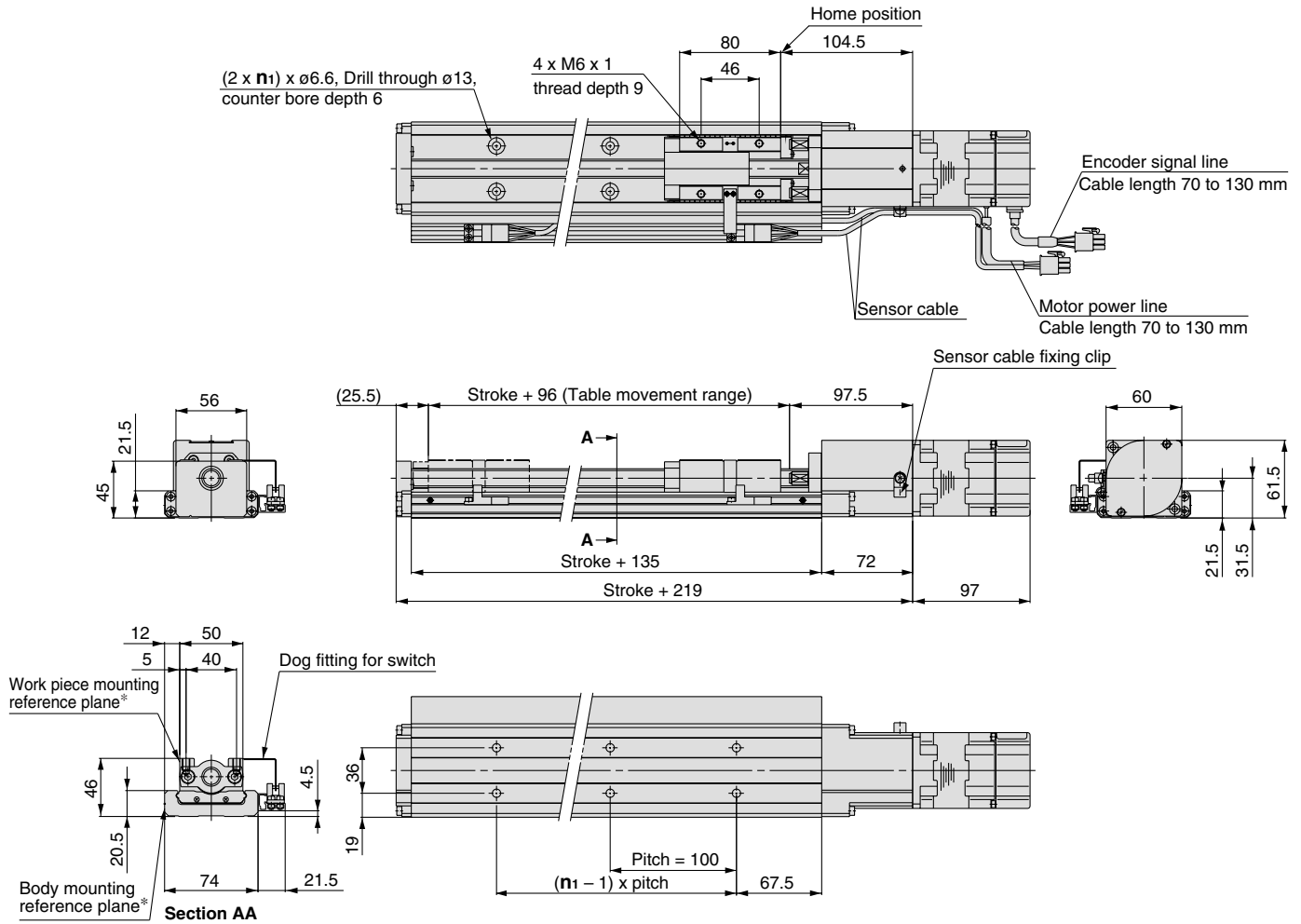
Allowable dynamic moment



m : Transfer load (kg) Me : Allowable dynamic moment
 a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF8F□NL, LTF88F□NL



- LJ1
- LG1
- LTF**
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6□
- LZ□
- LC3F2
- X□
- D-□
- E-MY

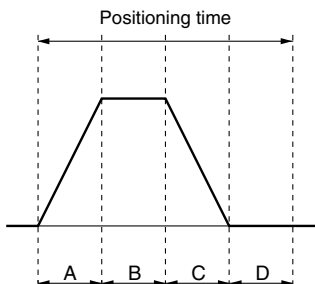
Model	Stroke	n ₁
LTF8□F□NL- 100-□□	100	2
LTF8□F□NL- 200-□□	200	3
LTF8□F□NL- 300-□□	300	4
LTF8□F□NL- 400-□□	400	5
LTF8□F□NL- 500-□□	500	6
LTF8□F□NL- 600-□□	600	7
LTF8□F□NL- 700-□□	700	8
LTF8□F□NL- 800-□□	800	9
LTF8□F□NL- 900-□□	900	10
LTF8□F□NL-1000-□□	1000	11

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	500	0.6	0.7	0.9	1.7	2.7
	1000	0.6	0.7	0.9	1.4	1.9

* Values will vary slightly depending on the operating conditions.



A: Acceleration time
 B: Constant velocity time
 C: Deceleration time
 D: Resting time (0.5 sec.)
 Maximum acceleration: 3000 mm/s²

Standard Motor Vertical Mount Series LTF6

Motor Output
100_w

Ground Ball Screw
∅10 mm/6 mm lead

How to Order

LC1 controller compatible

LTF6E 1 PF - 300 K - R 2

Power supply voltage

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)

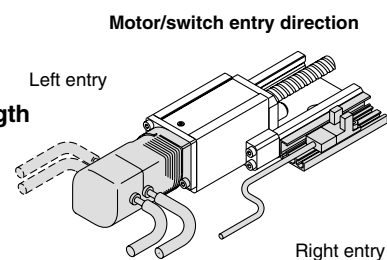
Stroke (mm)
Refer to the standard stroke.

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left

Cable length

2	2 m
3	3 m
4	4 m
5	5 m



Made to order specifications
(For details, refer to page 999)

Cover specification

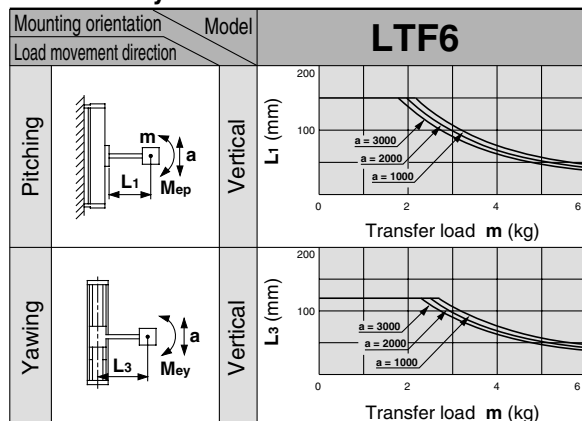
Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (kg)	2.4	2.9	3.4	3.9	4.4	4.9
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	6					
	Maximum speed (mm/s)	300					
	Positioning repeatability (mm)	±0.02					
Main parts	Motor	AC servomotor (100 W) with brake					
	Encoder	Incremental system					
	Lead screw	Ground ball screw ∅10 mm, 6 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
Controller	Model	LC1-1H2VF□-□□ (Refer to page 829 for details.)					
Regenerative absorption unit	Model	LC7R-K1□A□□ (Refer to page 846 for details.)					

Note) Be sure to use a regenerative absorption unit with this product.

Allowable Moment (N·m)

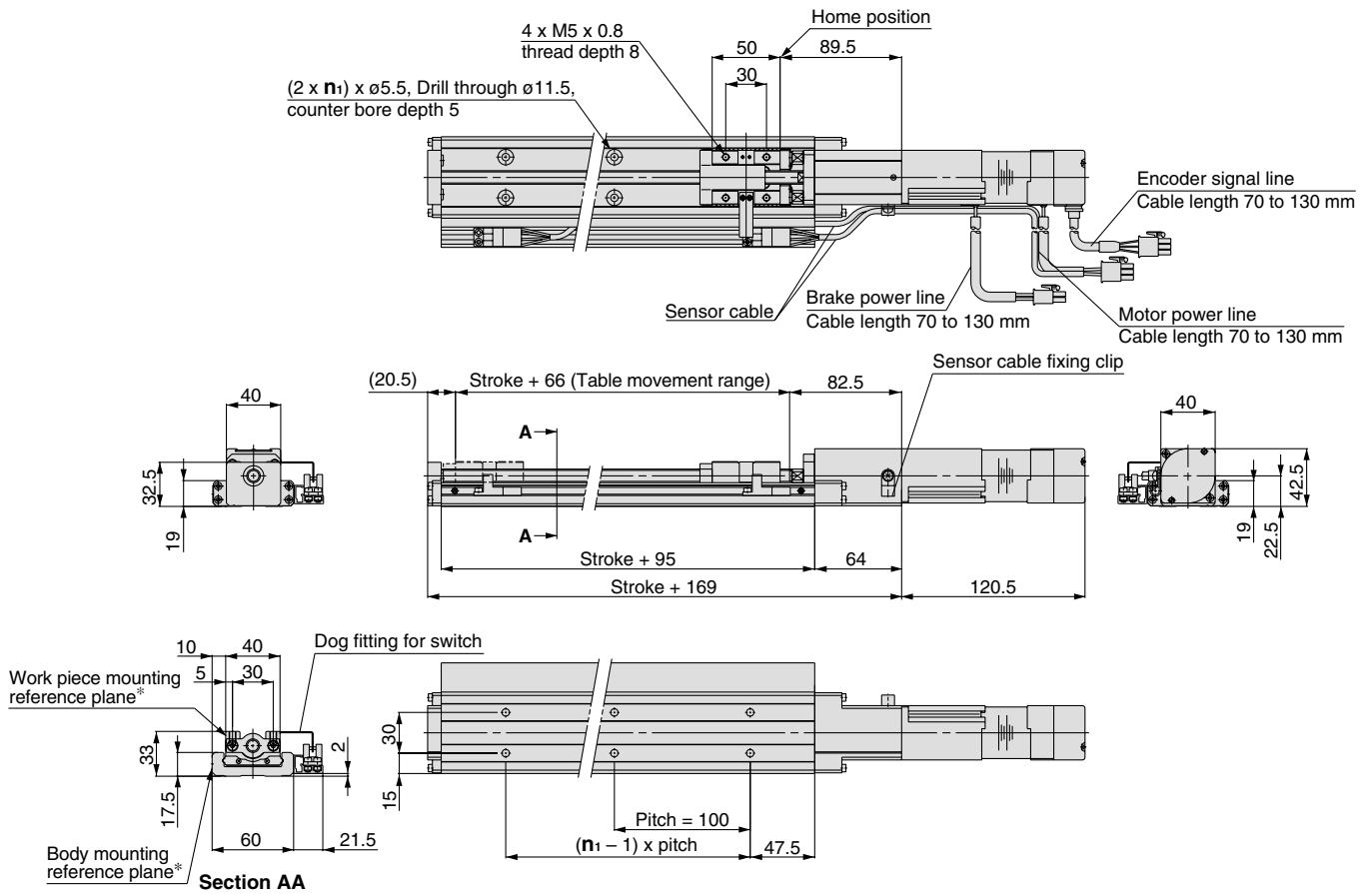
Allowable dynamic moment



m : Transfer load (kg) Me : Allowable dynamic moment
a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF6E□PF



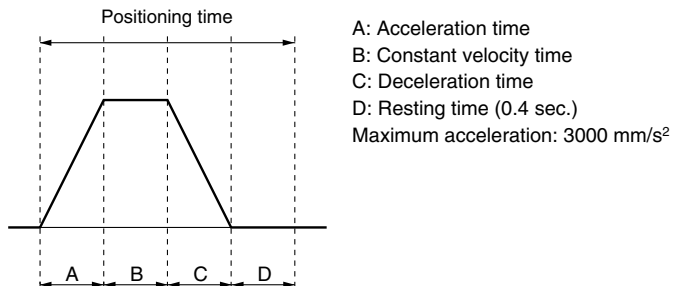
Model	Stroke	n ₁
LTF6E□PF-100K-□□	100	2
LTF6E□PF-200K-□□	200	3
LTF6E□PF-300K-□□	300	4
LTF6E□PF-400K-□□	400	5
LTF6E□PF-500K-□□	500	6
LTF6E□PF-600K-□□	600	7

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	150	0.5	0.6	1.2	2.5	4.5
	300	0.5	0.6	0.9	1.6	2.6

* Values will vary slightly depending on the operating conditions.



Standard Motor Vertical Mount Series LTF6

Motor Output
100_w

Ground Ball Screw
∅ 10 mm / 10 mm lead

How to Order

LC1 controller compatible

LTF6E 1 PH - 300 K - R 2

Power supply voltage

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)

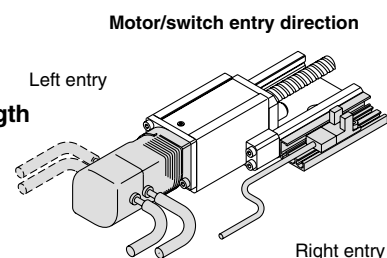
Stroke (mm)
Refer to the standard stroke.

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left

Cable length

2	2 m
3	3 m
4	4 m
5	5 m



Made to order specifications
(For details, refer to page 999)

Cover specification

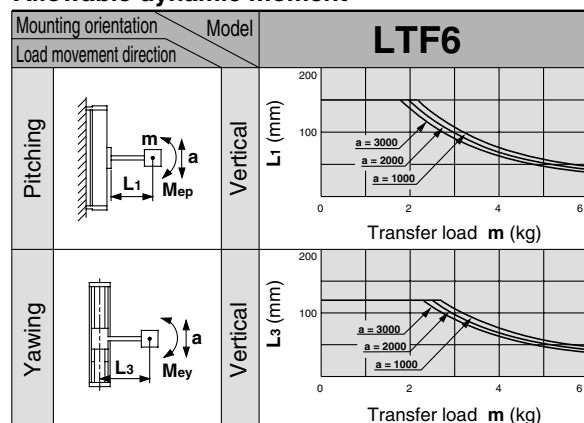
Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (kg)	2.4	2.9	3.4	3.9	4.4	4.9
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	3					
	Maximum speed (mm/s)	500					
	Positioning repeatability (mm)	±0.02					
Main parts	Motor	AC servomotor (100 W) with brake					
	Encoder	Incremental system					
	Lead screw	Ground ball screw ∅10 mm, 10 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
Controller	Model	LC1-1H2VH□-□□ (Refer to page 829 for details.)					
Regenerative absorption unit	Model	LC7R-K1□A□□ (Refer to page 846 for details.)					

Note) Be sure to use a regenerative absorption unit with this product.

Allowable Moment (N·m)

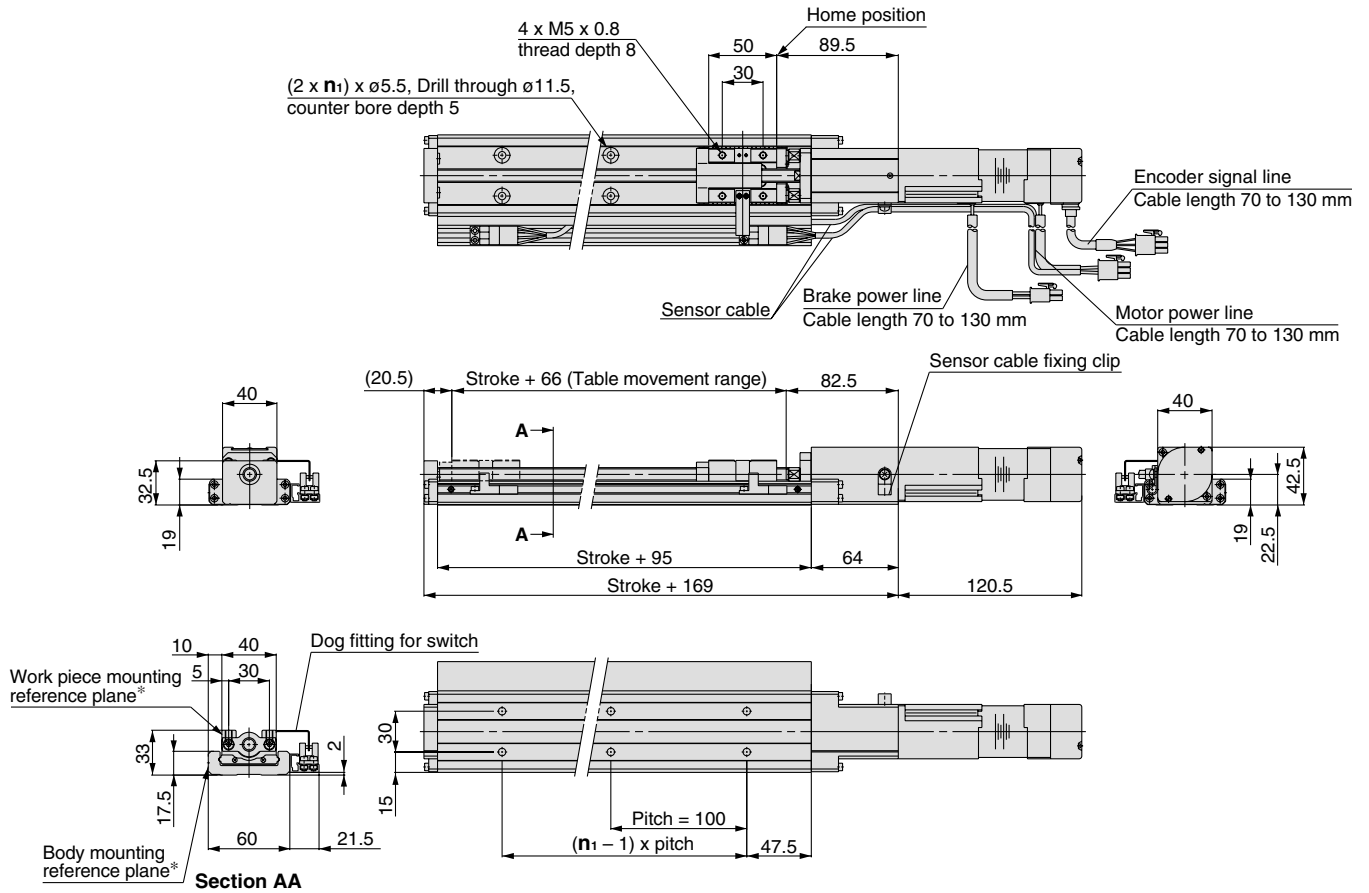
Allowable dynamic moment



m : Transfer load (kg) Me : Allowable dynamic moment
a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF6E□PH



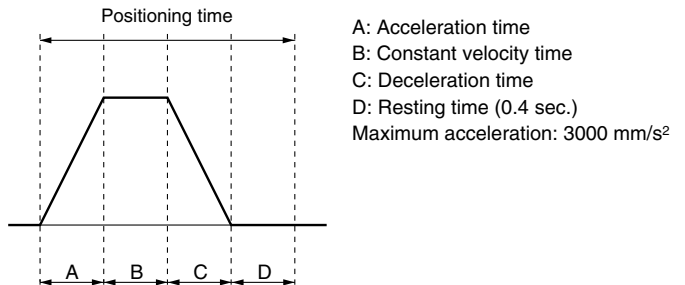
Model	Stroke	n ₁
LTF6E□PH-100K-□□	100	2
LTF6E□PH-200K-□□	200	3
LTF6E□PH-300K-□□	300	4
LTF6E□PH-400K-□□	400	5
LTF6E□PH-500K-□□	500	6
LTF6E□PH-600K-□□	600	7

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	250	0.5	0.6	0.9	1.7	2.9
	500	0.5	0.6	0.8	1.2	1.8

* Values will vary slightly depending on the operating conditions.



Standard Motor Vertical Mount Series LTF6

Motor Output
100_w

Rolled Ball Screw
∅10 mm/6 mm lead

How to Order

LC1 controller compatible

LTF6E 1 NF - 300 K - R 2

Power supply voltage

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)

Stroke (mm)

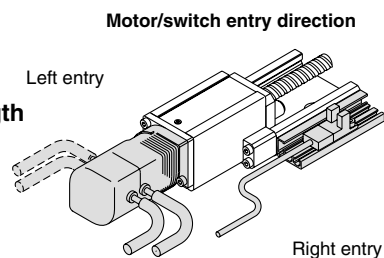
Refer to the standard stroke.

Cable length

2	2 m
3	3 m
4	4 m
5	5 m

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Made to order specifications
(For details, refer to page 999)

Cover specification

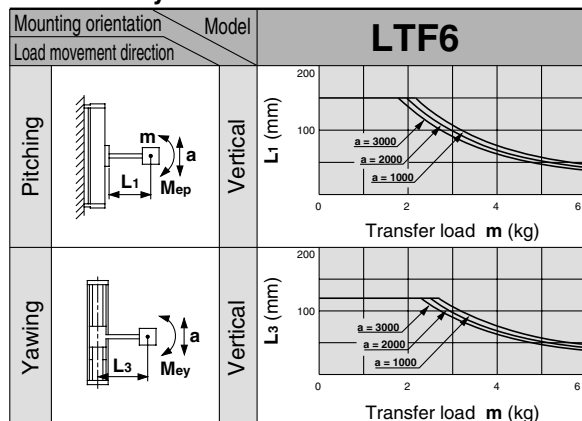
Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (kg)	2.4	2.9	3.4	3.9	4.4	4.9
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	6					
	Maximum speed (mm/s)	300					
	Positioning repeatability (mm)	±0.05					
Main parts	Motor	AC servomotor (100 W) with brake					
	Encoder	Incremental system					
	Lead screw	Rolled ball screw ∅10 mm, 6 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
Controller	Model	LC1-1H2VF□-□□ (Refer to page 829 for details.)					
Regenerative absorption unit	Model	LC7R-K1□A□□ (Refer to page 846 for details.)					

Note) Be sure to use a regenerative absorption unit with this product.

Allowable Moment (N·m)

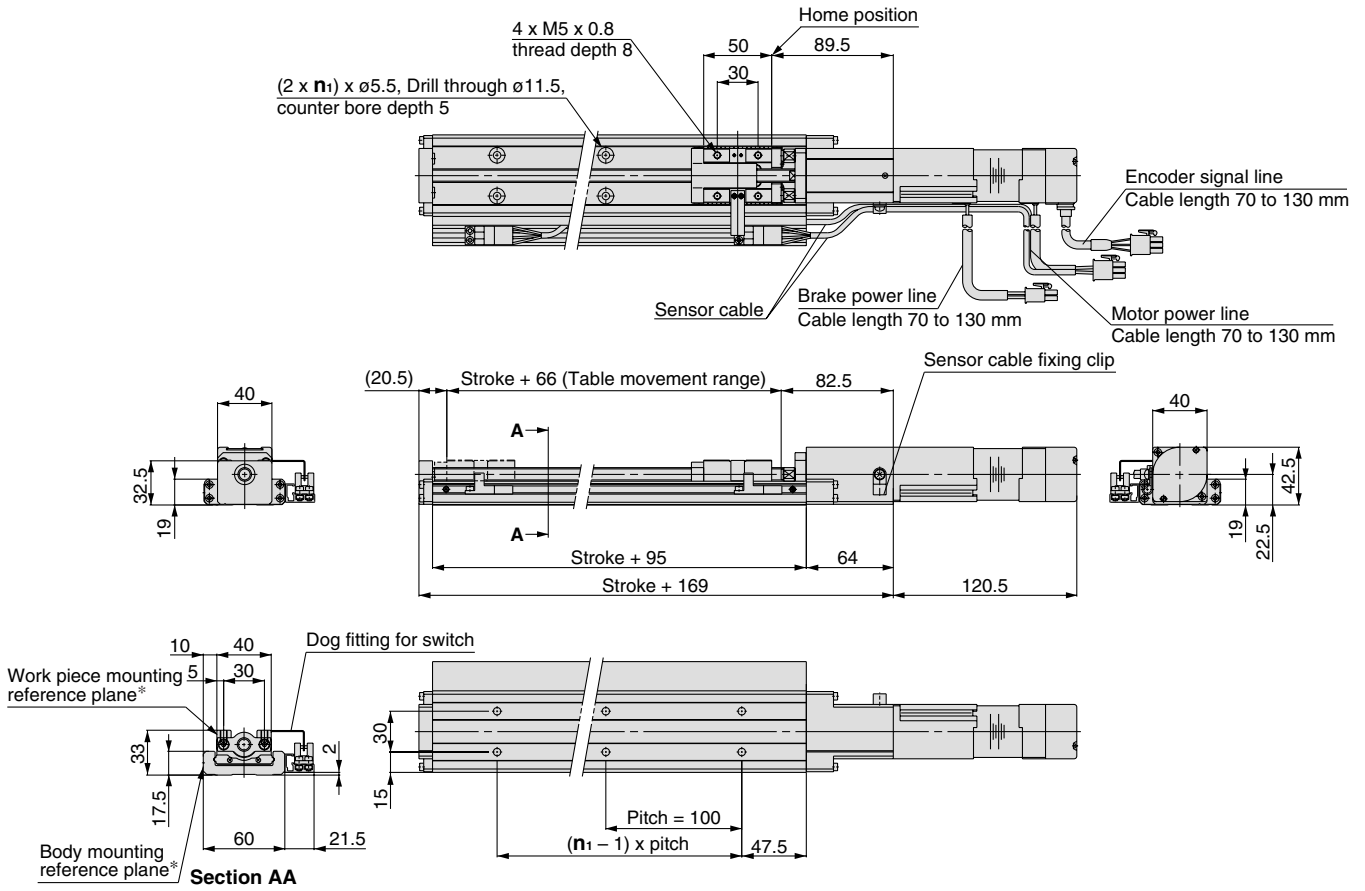
Allowable dynamic moment



m : Transfer load (kg) Me: Allowable dynamic moment
a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF6E□NF



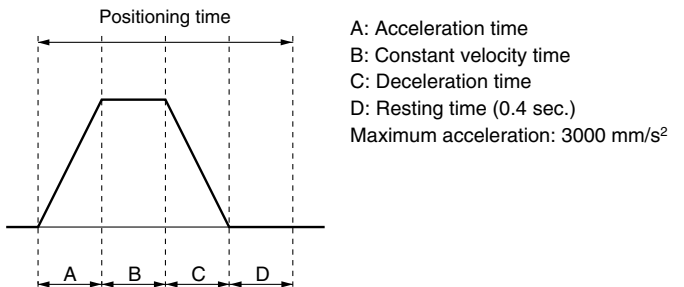
Model	Stroke	n ₁
LTF6E□NF-100K-□□	100	2
LTF6E□NF-200K-□□	200	3
LTF6E□NF-300K-□□	300	4
LTF6E□NF-400K-□□	400	5
LTF6E□NF-500K-□□	500	6
LTF6E□NF-600K-□□	600	7

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	150	0.5	0.6	1.2	2.5	4.5
	300	0.5	0.6	0.9	1.6	2.6

* Values will vary slightly depending on the operating conditions.



- LJ1
- LG1
- LTF
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6□
- LZ□
- LC3F2
- X□
- D-□
- E-MY

Standard Motor Vertical Mount Series LTF6

Motor Output
100_w

Rolled Ball Screw
∅ 10 mm / 10 mm lead

How to Order

LC1 controller compatible

LTF6E 1 NH - 300 K - R 2

Power supply voltage

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)

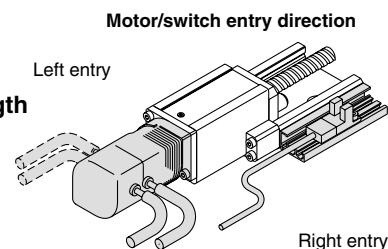
Stroke (mm)
Refer to the standard stroke.

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left

Cable length

2	2 m
3	3 m
4	4 m
5	5 m



Made to order specifications
(For details, refer to page 999)

Cover specification

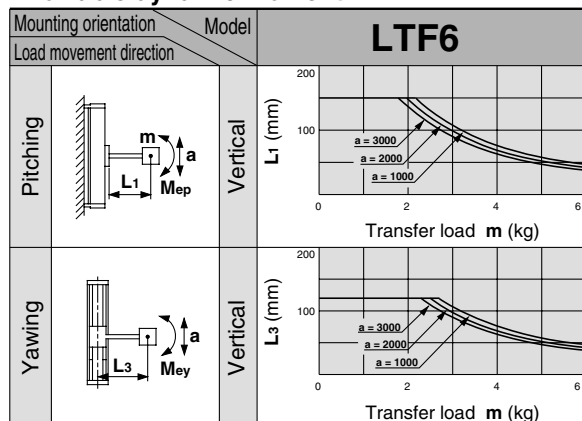
Specifications

		Standard stroke (mm)	100	200	300	400	500	600
Performance	Body mass (kg)		2.4	2.9	3.4	3.9	4.4	4.9
	Operating temperature range (°C)		5 to 40 (No condensation)					
	Work load (kg)		3					
	Maximum speed (mm/s)		500					
	Positioning repeatability (mm)		±0.05					
Main parts	Motor		AC servomotor (100 W) with brake					
	Encoder		Incremental system					
	Lead screw		Rolled ball screw ∅10 mm, 10 mm lead					
	Guide		Frame-type linear guide					
	Motor/Screw connection		With coupling					
Switch	Model		Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
Controller	Model		LC1-1H2VH□-□□ (Refer to page 829 for details.)					
Regenerative absorption unit	Model		LC7R-K1□A□□ (Refer to page 846 for details.)					

Note) Be sure to use a regenerative absorption unit with this product.

Allowable Moment (N·m)

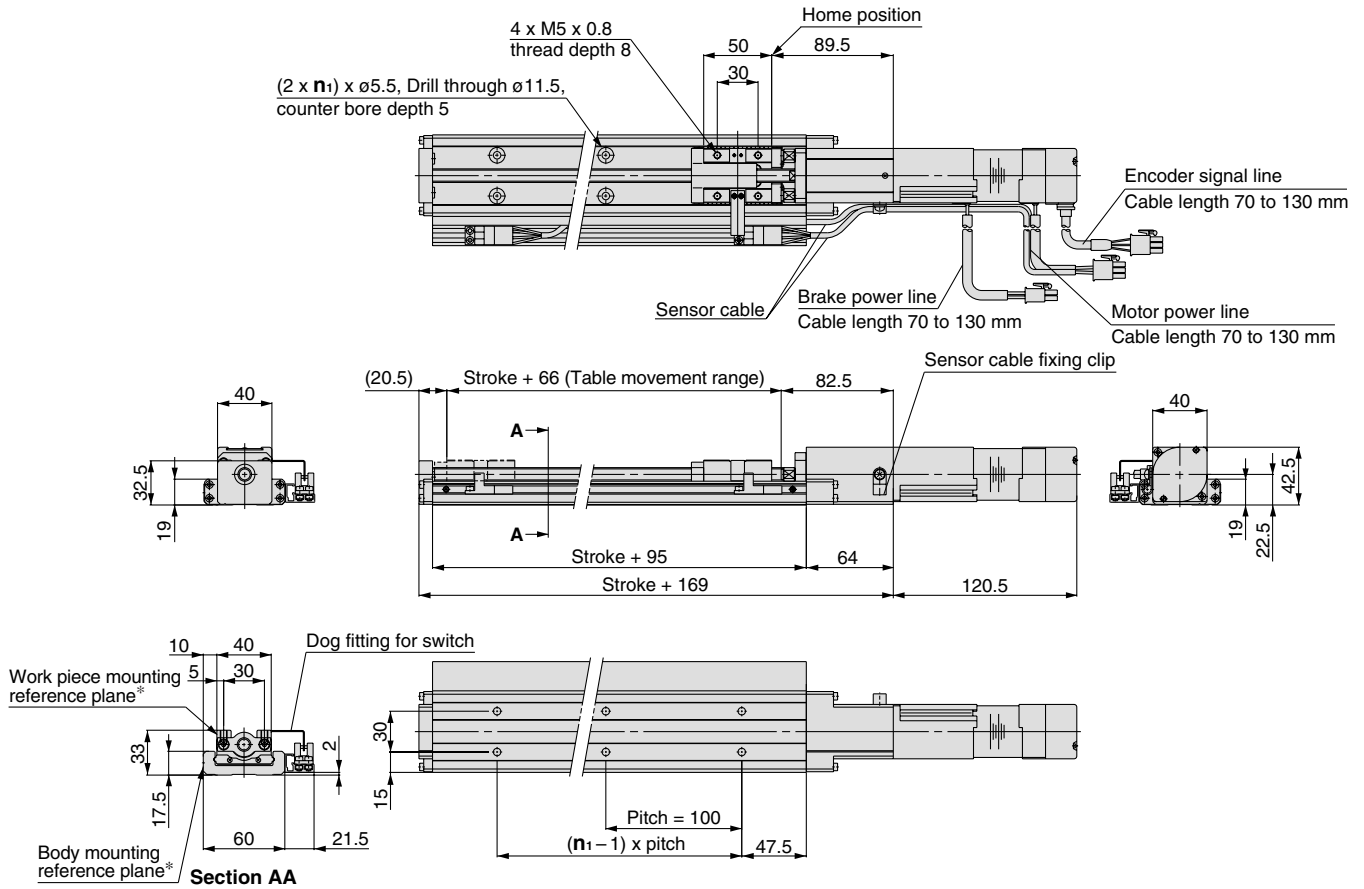
Allowable dynamic moment



m : Transfer load (kg) Me : Allowable dynamic moment
a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF6E□NH



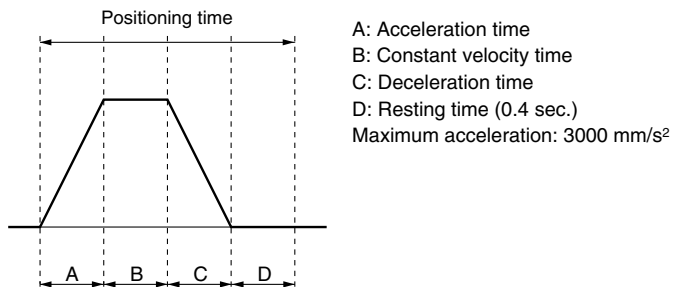
Model	Stroke	n ₁
LTF6E□NH-100K-□□	100	2
LTF6E□NH-200K-□□	200	3
LTF6E□NH-300K-□□	300	4
LTF6E□NH-400K-□□	400	5
LTF6E□NH-500K-□□	500	6
LTF6E□NH-600K-□□	600	7

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	250	0.5	0.6	0.9	1.7	2.9
	500	0.5	0.6	0.8	1.2	1.8

* Values will vary slightly depending on the operating conditions.



LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

X□

D-□

E-MY

Standard Motor Vertical Mount Series LTF8

Motor Output
200_w

Ground Ball Screw
∅ 15 mm/10 mm lead

How to Order

LC1 controller compatible

LTF8F 1 PH - 300 K - R 2

Power supply voltage

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)

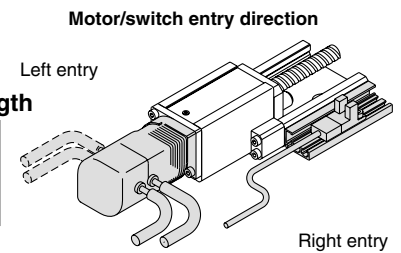
Stroke (mm)
Refer to the standard stroke.

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left

Cable length

2	2 m
3	3 m
4	4 m
5	5 m



Made to order specifications
(For details, refer to page 999)

Cover specification

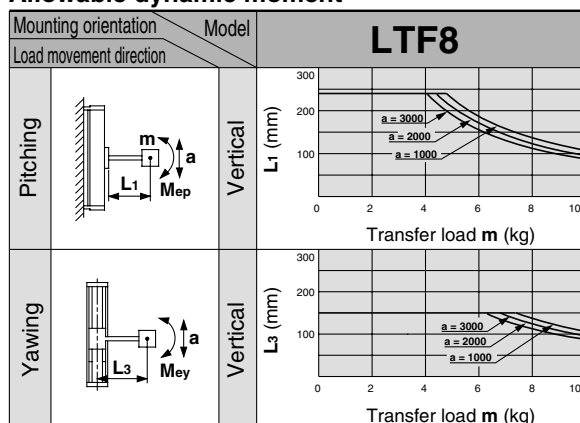
Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (kg)	5.0	5.9	6.7	7.5	8.4	9.2	10.0	10.9	11.7	12.5
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	10									
	Maximum speed (mm/s)	500						440	350	290	240
	Positioning repeatability (mm)	±0.02									
Main parts	Motor	AC servomotor (200 W) with brake									
	Encoder	Incremental system									
	Lead screw	Ground ball screw ∅15 mm, 10 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)									
Controller	Model	LC1-1H3VH□-□□ (Refer to page 829 for details.)									
Regenerative absorption unit	Model	LC7R-K1□A□□ (Refer to page 846 for details.)									

Note) Be sure to use a regenerative absorption unit with this product.

Allowable Moment (N·m)

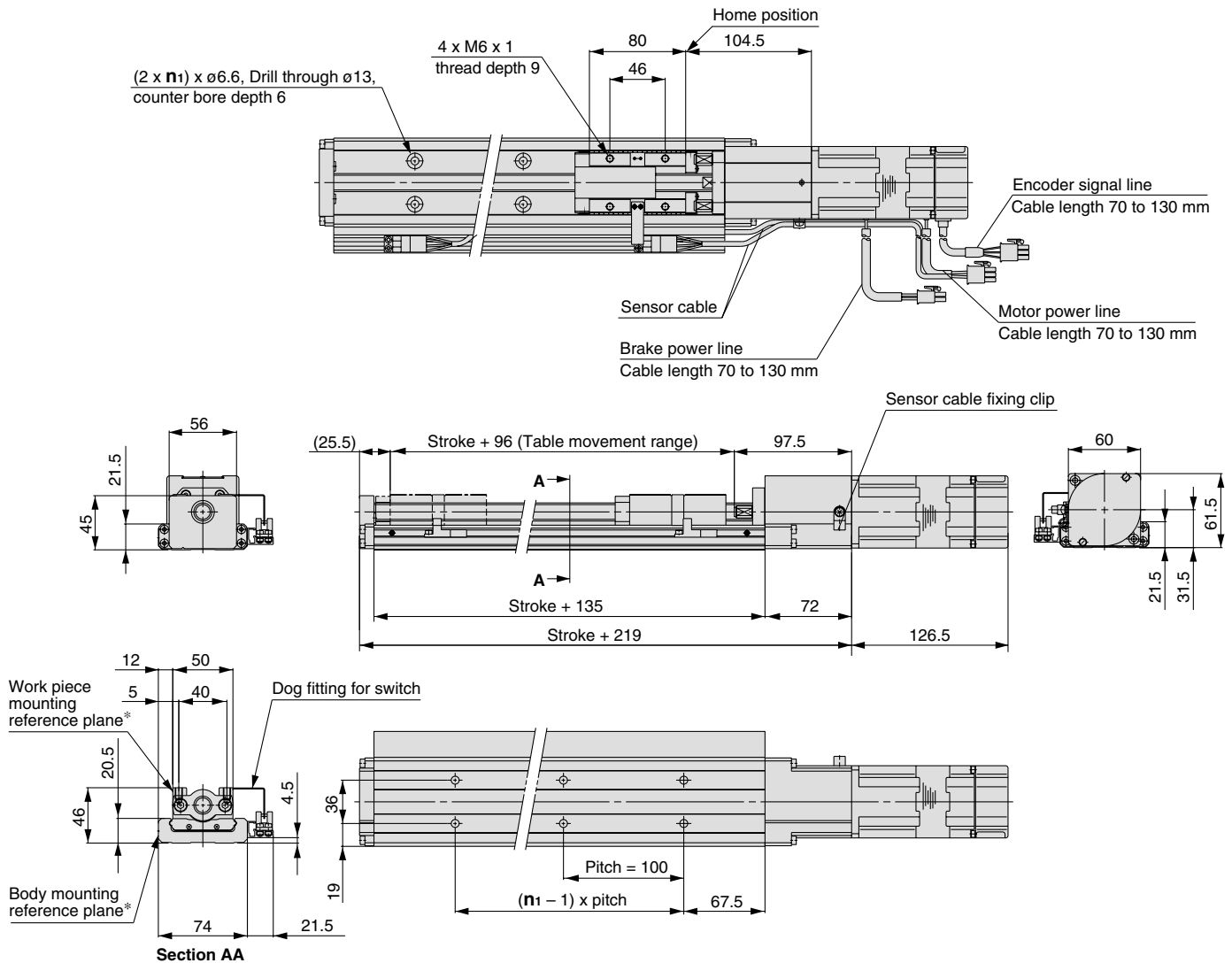
Allowable dynamic moment



m : Transfer load (kg) Me : Allowable dynamic moment
a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF8F□PH



- LJ1
- LG1
- LTF**
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6□
- LZ□
- LC3F2
- X□
- D-□
- E-MY

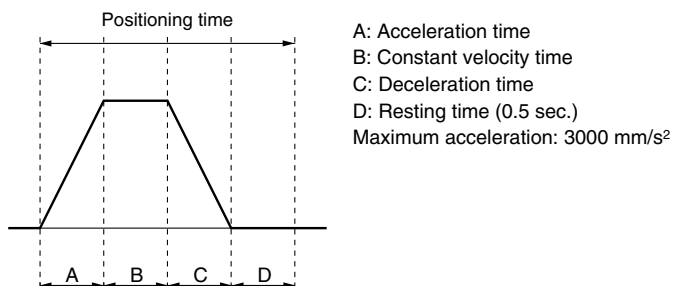
Model	Stroke	n ₁
LTF8F□PH- 100K-□□	100	2
LTF8F□PH- 200K-□□	200	3
LTF8F□PH- 300K-□□	300	4
LTF8F□PH- 400K-□□	400	5
LTF8F□PH- 500K-□□	500	6
LTF8F□PH- 600K-□□	600	7
LTF8F□PH- 700K-□□	700	8
LTF8F□PH- 800K-□□	800	9
LTF8F□PH- 900K-□□	900	10
LTF8F□PH-1000K-□□	1000	11

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	250	0.6	0.7	1.0	2.6	4.6
	500	0.6	0.7	0.9	1.7	2.7

* Values will vary slightly depending on the operating conditions.



Standard Motor Vertical Mount Series LTF8

Motor Output
200_w

Ground Ball Screw
∅ 15 mm/20 mm lead

How to Order

LC1 controller compatible

LTF8F 1 PL - 300 K - R 2

Power supply voltage

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)

Stroke (mm)

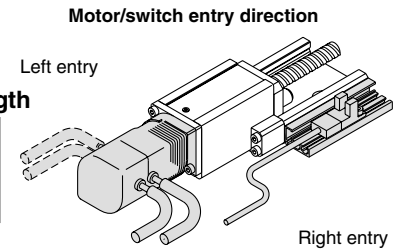
Refer to the standard stroke.

Cable length

2	2 m
3	3 m
4	4 m
5	5 m

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Made to order specifications
(For details, refer to page 999)

Cover specification

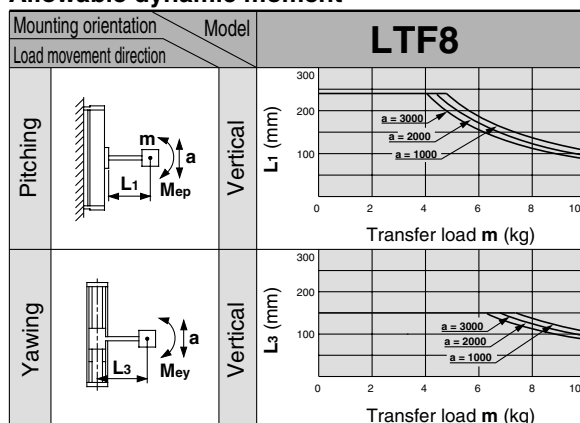
Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (kg)	5.0	5.9	6.7	7.5	8.4	9.2	10.0	10.9	11.7	12.5
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	5									
	Maximum speed (mm/s)	1000						890	710	580	480
	Positioning repeatability (mm)	±0.02									
Main parts	Motor	AC servomotor (200 W) with brake									
	Encoder	Incremental system									
	Lead screw	Ground ball screw ∅15 mm, 20 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)									
Controller	Model	LC1-1H3VL□-□□ (Refer to page 829 for details.)									
Regenerative absorption unit	Model	LC7R-K1□A□□ (Refer to page 846 for details.)									

Note) Be sure to use a regenerative absorption unit with this product.

Allowable Moment (N·m)

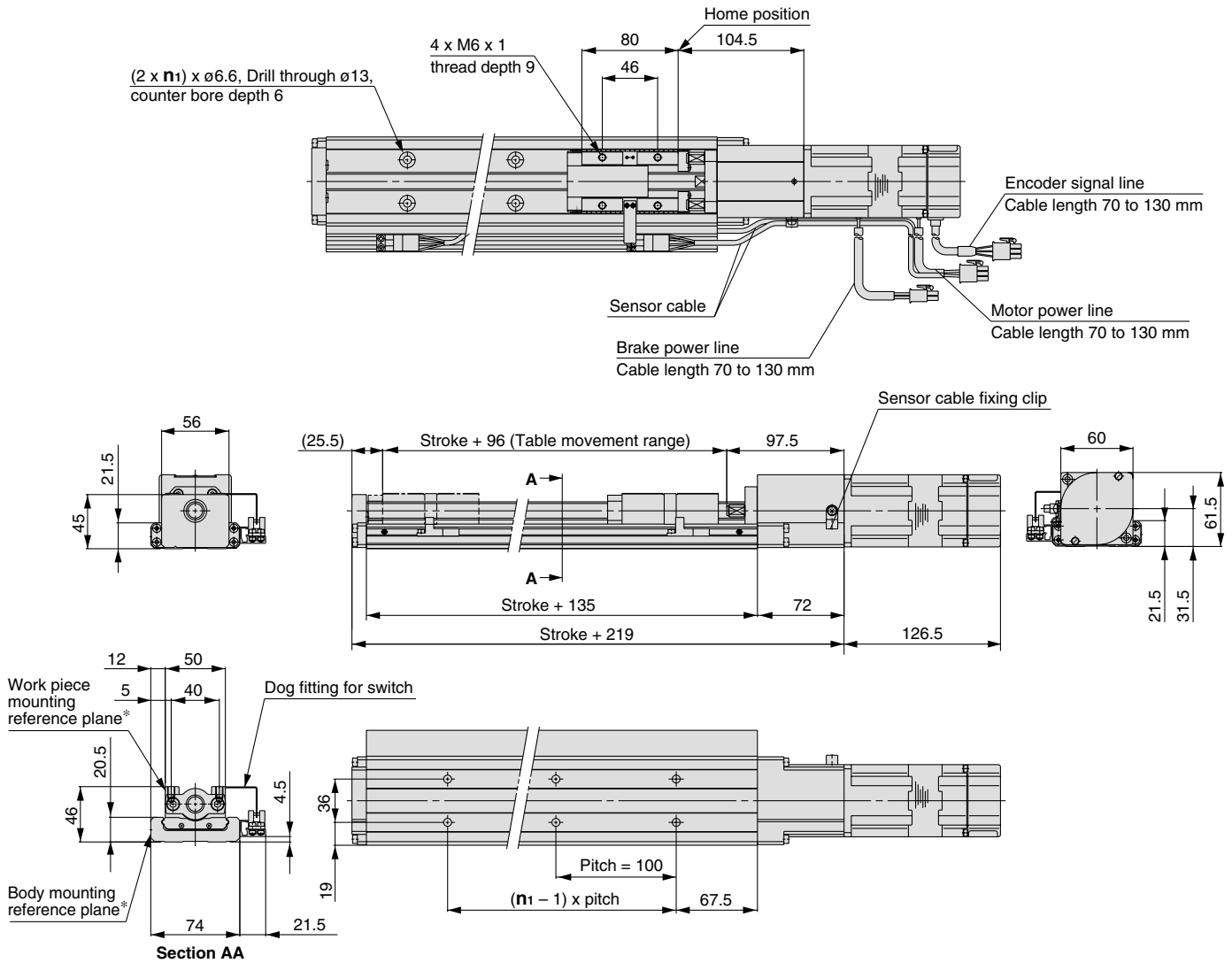
Allowable dynamic moment



m : Transfer load (kg) Me : Allowable dynamic moment
a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF8F□PL



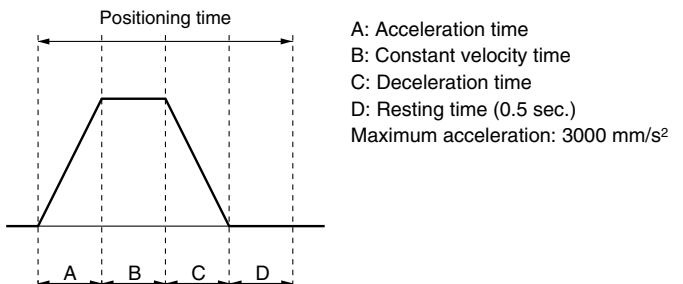
Model	Stroke	n ₁
LTF8F□PL- 100K-□□	100	2
LTF8F□PL- 200K-□□	200	3
LTF8F□PL- 300K-□□	300	4
LTF8F□PL- 400K-□□	400	5
LTF8F□PL- 500K-□□	500	6
LTF8F□PL- 600K-□□	600	7
LTF8F□PL- 700K-□□	700	8
LTF8F□PL- 800K-□□	800	9
LTF8F□PL- 900K-□□	900	10
LTF8F□PL-1000K-□□	1000	11

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	500	0.6	0.7	0.9	1.7	2.7
	1000	0.6	0.7	0.9	1.4	1.9

* Values will vary slightly depending on the operating conditions.



Standard Motor Vertical Mount Series LTF8

Motor Output
200_w

Rolled Ball Screw
∅ 15 mm/10 mm lead

How to Order

LC1 controller compatible

LTF8F 1 NH - 300 K - R 2

Power supply voltage

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)

Stroke (mm)

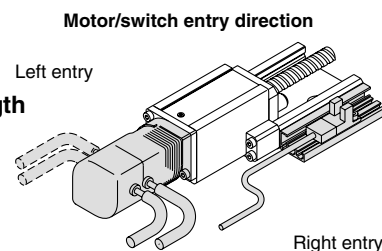
Refer to the standard stroke.

Cable length

2	2 m
3	3 m
4	4 m
5	5 m

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Made to order specifications
(For details, refer to page 999)

Cover specification

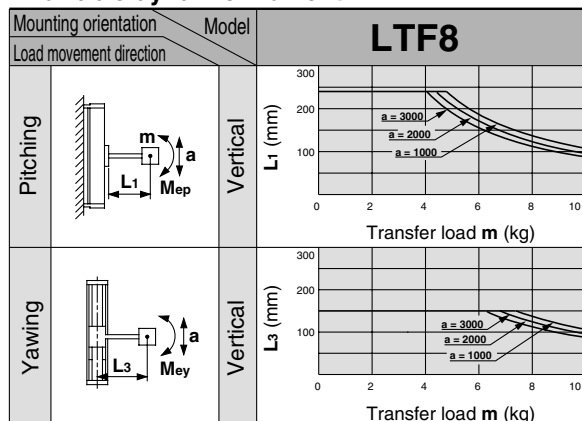
Specifications

		Standard stroke (mm)	100	200	300	400	500	600	700	800	900	1000	
Performance	Body mass (kg)		5.0	5.9	6.7	7.5	8.4	9.2	10.0	10.9	11.7	12.5	
	Operating temperature range (°C)		5 to 40 (No condensation)										
	Work load (kg)		10										
	Maximum speed (mm/s)		500							440	350	290	240
	Positioning repeatability (mm)		±0.05										
Main parts	Motor		AC servomotor (200 W) with brake										
	Encoder		Incremental system										
	Lead screw		Rolled ball screw ∅15 mm, 10 mm lead										
	Guide		Frame-type linear guide										
	Motor/Screw connection		With coupling										
Switch	Model		Photo micro sensor EE-SX674 (Refer to page 1083 for details.)										
Controller	Model		LC1-1H3VH□-□□ (Refer to page 829 for details.)										
Regenerative absorption unit	Model		LC7R-K1□A□□ (Refer to page 846 for details.)										

Note) Be sure to use a regenerative absorption unit with this product.

Allowable Moment (N·m)

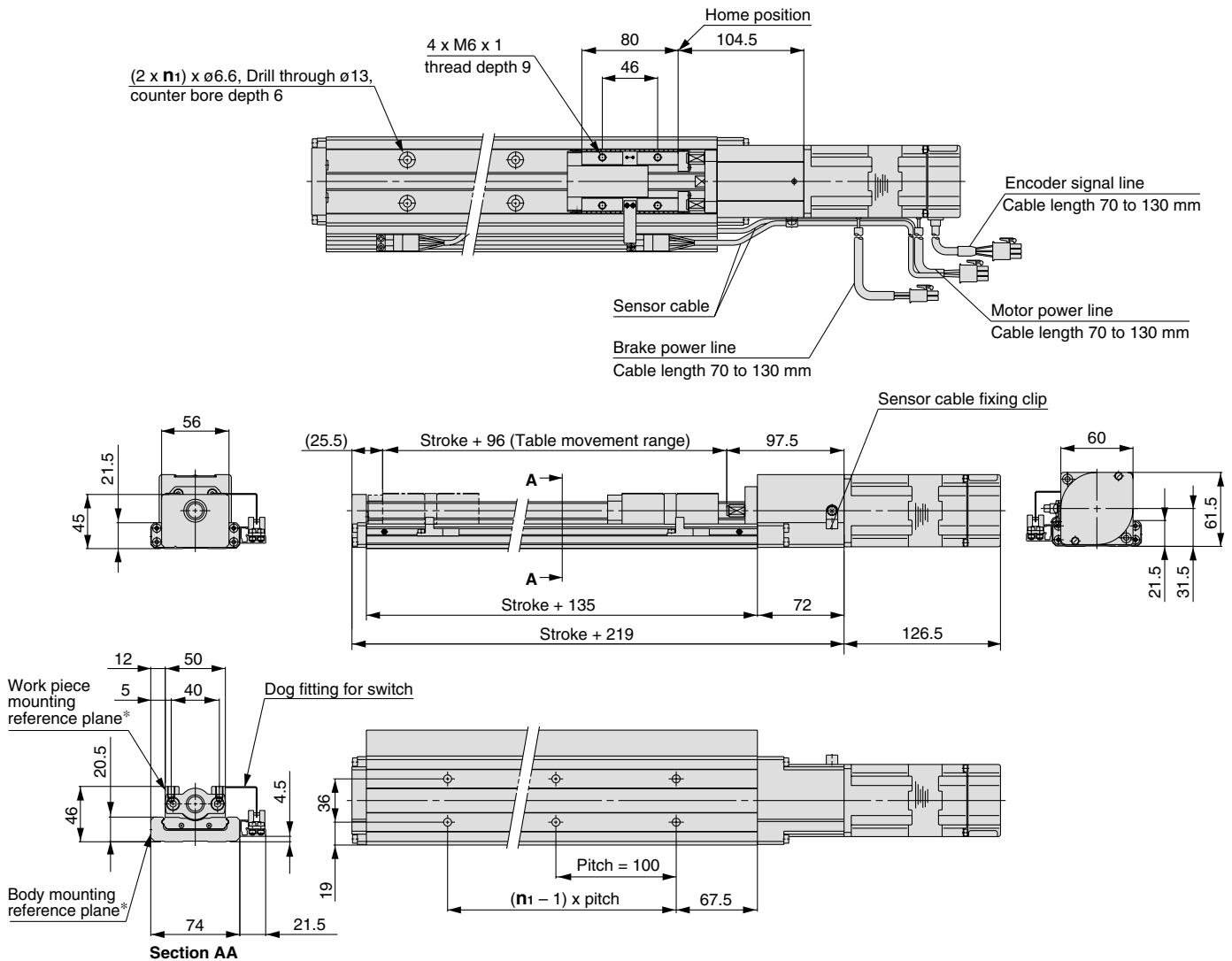
Allowable dynamic moment



m : Transfer load (kg) Me : Allowable dynamic moment
a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF8F□NH



- LJ1
- LG1
- LTF**
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6□
- LZ□
- LC3F2
- X□
- D-□
- E-MY

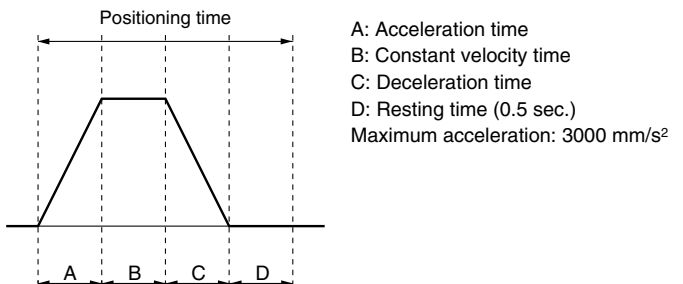
Model	Stroke	n ₁
LTF8F□NH- 100K-□□	100	2
LTF8F□NH- 200K-□□	200	3
LTF8F□NH- 300K-□□	300	4
LTF8F□NH- 400K-□□	400	5
LTF8F□NH- 500K-□□	500	6
LTF8F□NH- 600K-□□	600	7
LTF8F□NH- 700K-□□	700	8
LTF8F□NH- 800K-□□	800	9
LTF8F□NH- 900K-□□	900	10
LTF8F□NH-1000K-□□	1000	11

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	250	0.6	0.7	1.0	2.6	4.6
	500	0.6	0.7	0.9	1.7	2.7

* Values will vary slightly depending on the operating conditions.



Standard Motor Vertical Mount Series LTF8

Motor Output
200_w

Rolled Ball Screw
∅ 15 mm/20 mm lead

How to Order

LC1 controller compatible

LTF8F 1 NL - 300 K - R 2

Power supply voltage

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)

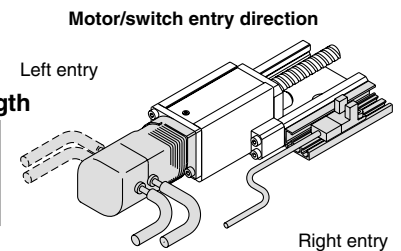
Stroke (mm)
Refer to the standard stroke.

Motor/switch entry direction

R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left

Cable length

2	2 m
3	3 m
4	4 m
5	5 m



Made to order specifications
(For details, refer to page 999)

Cover specification

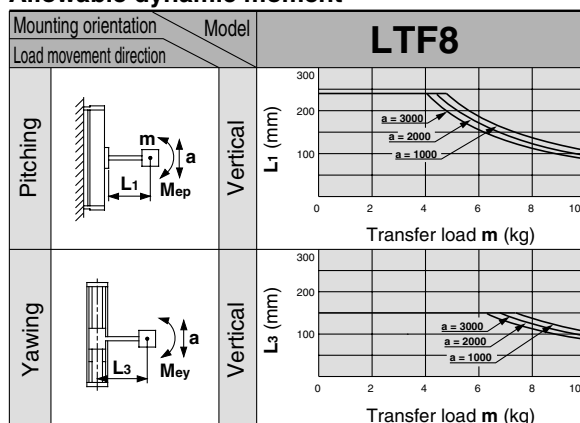
Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (kg)	5.0	5.9	6.7	7.5	8.4	9.2	10.0	10.9	11.7	12.5
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	5									
	Maximum speed (mm/s)	1000						890	710	580	480
	Positioning repeatability (mm)	±0.05									
Main parts	Motor	AC servomotor (200 W) with brake									
	Encoder	Incremental system									
	Lead screw	Rolled ball screw ∅15 mm, 20 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)									
Controller	Model	LC1-1H3VL□-□□ (Refer to page 829 for details.)									
Regenerative absorption unit	Model	LC7R-K1□A□□ (Refer to page 846 for details.)									

Note) Be sure to use a regenerative absorption unit with this product.

Allowable Moment (N·m)

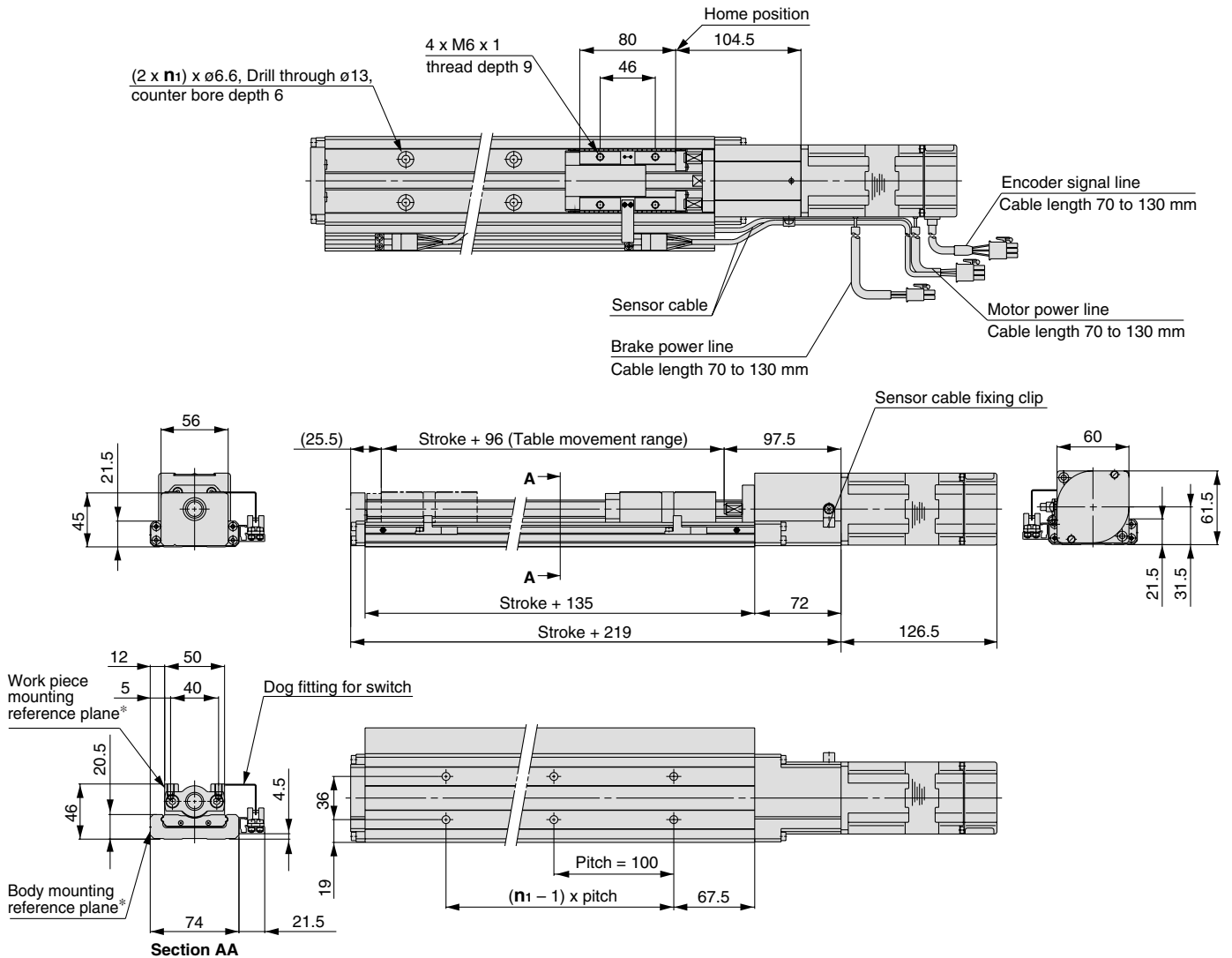
Allowable dynamic moment



m : Transfer load (kg) Me : Allowable dynamic moment
a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF8F□NL



- LJ1
- LG1
- LTF**
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6□
- LZ□
- LC3F2
- X□
- D-□
- E-MY

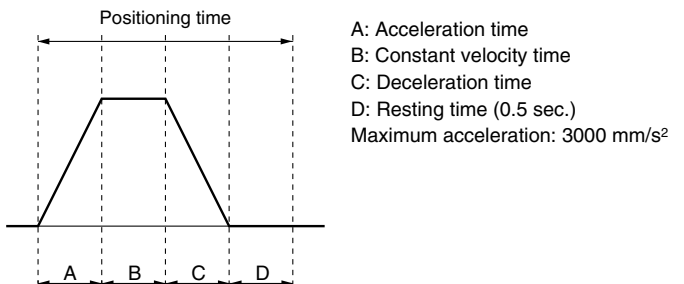
Model	Stroke	n ₁
LTF8F□NL- 100K-□□	100	2
LTF8F□NL- 200K-□□	200	3
LTF8F□NL- 300K-□□	300	4
LTF8F□NL- 400K-□□	400	5
LTF8F□NL- 500K-□□	500	6
LTF8F□NL- 600K-□□	600	7
LTF8F□NL- 700K-□□	700	8
LTF8F□NL- 800K-□□	800	9
LTF8F□NL- 900K-□□	900	10
LTF8F□NL-1000K-□□	1000	11

* The body mounting reference plane and work piece mounting reference plane should be used as standards when mounting onto equipment. Refer to page 825 for mounting.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	500	0.6	0.7	0.9	1.7	2.7
	1000	0.6	0.7	0.9	1.4	1.9

* Values will vary slightly depending on the operating conditions.



Non-standard Motor Horizontal Mount Series LTF6

Motor Output
100_w

Ground Ball Screw
∅10 mm/6 mm lead

How to Order

LTF6 **RE1** **PF** - **300** - - X10

● **Stroke (mm)**
For details, refer to page 761.

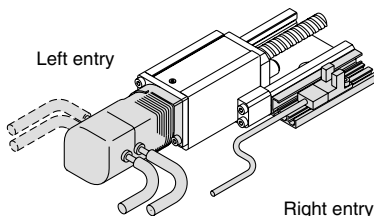
● **Switch specifications**

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

● **Motor/switch entry direction**

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

● **Motor specification**

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RE1	Mitsubishi Electric Corporation	HC-PQ13	100 W	MR-C10A1	100/115 VAC
RE2				MR-C10A	200/230 VAC
RE0				—	—

* Motor/driver is included for RE1 and RE2.

Refer to page 826 for motor mounting dimensions.

Cable for joining motor and driver is optional.

Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

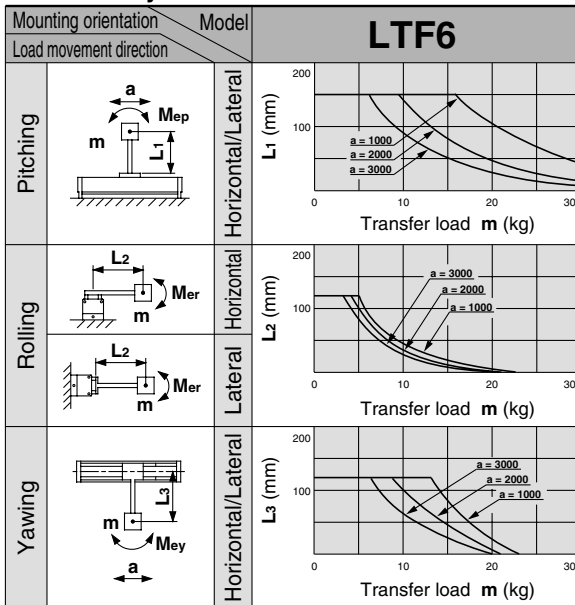
Cover specification

Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (without motor) (kg)	1.7	2.1	2.6	3.1	3.6	4.1
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	30					
	Maximum speed (mm/s)	300					230
	Positioning repeatability (mm)	±0.02					
Main parts	Motor	AC servomotor (100 W)					
	Encoder	Incremental system					
	Lead screw	Ground ball screw ø10 mm, 6 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)					
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)					

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg)
a : Work piece acceleration (mm/s²)
Me: Allowable dynamic moment
L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

X□

D-□

E-MY

Non-standard Motor Horizontal Mount Series LTF6

Motor Output
100_w

Ground Ball Screw
∅10 mm/6 mm lead

How to Order

LTF6 **RE1** **PF** - **300** - - **X10** - **Q**

Stroke (mm)
For details, refer to page 763.

• CE marking

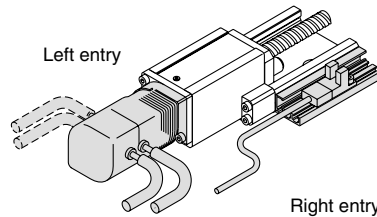
• **Switch specifications**

Nil	Without switch and switch rail
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".
Please order the switches separately. (Refer to pages 1080, 1081 and 1083.)

• **Motor/switch entry direction**

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

• **Motor specification**

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RE1	Mitsubishi Electric Corporation*2	HC-PQ13	100 W	MR-C10A1-UE	100/115 VAC
RE2				MR-C10A-UE	200/230 VAC
RE9				—	—
RE0*1		—	—	—	—
RME1		HC-MFS13	100 W	MR-J2S-10A1	100/115 VAC
RME2				MR-J2S-10A	200/230 VAC
RME9				—	—
RME0*1		—	—	—	—
RKE1		HC-KFS13	100 W	MR-J2S-10A1	100/115 VAC
RKE2				MR-J2S-10A	200/230 VAC
RKE9				—	—
RKE0*1		—	—	—	—
RPE1		HF-KP13	100 W	MR-J3-10A1	100/115 VAC
RPE2				MR-J3-10A	200/230 VAC
RPE9				—	—
RPE0*1		—	—	—	—

*1 Without motor/driver. Refer to page 826 for motor mounting dimensions.

*2 Can be supplied including motor/driver for non-standard motors by Mitsubishi Electric Corporation.
Cable for joining motor and driver is optional.
Refer to page 659 for part nos.
Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

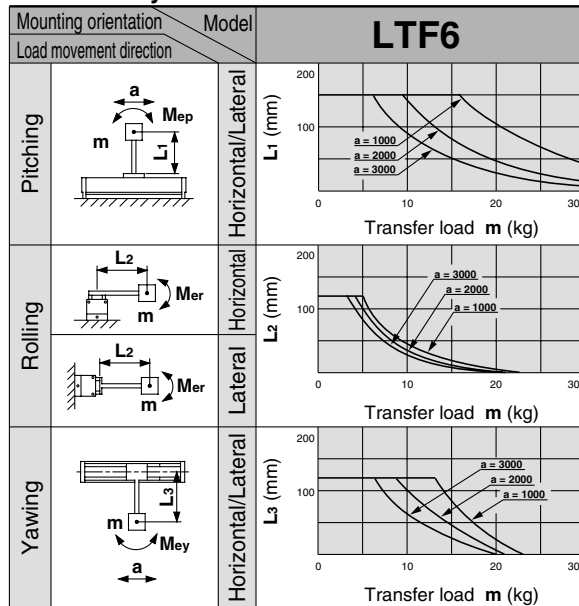
Cover specification

Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (without motor) (kg)	1.7	2.1	2.6	3.1	3.6	4.1
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	30					
	Maximum speed (mm/s)	300					
	Positioning repeatability (mm)	±0.02					
Main parts	Motor	AC servomotor (100 W)					
	Encoder	Incremental system					
	Lead screw	Ground ball screw ø10 mm, 6 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					

Allowable Moment (N-m)

Allowable dynamic moment



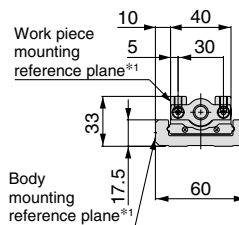
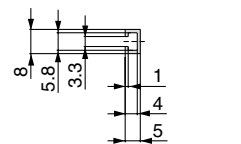
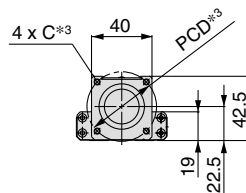
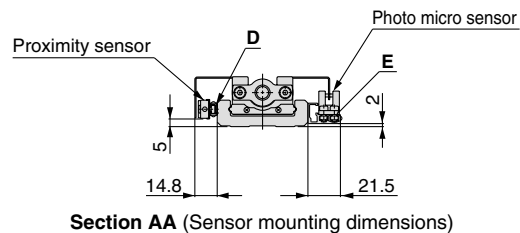
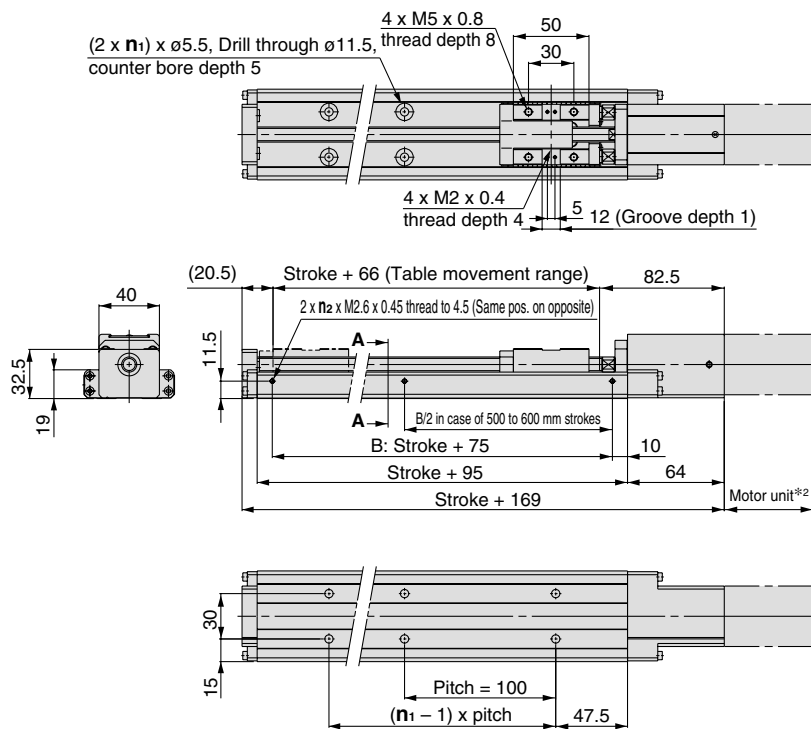
m : Transfer load (kg)
a : Work piece acceleration (mm/s²)
Me: Allowable dynamic moment
L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

- LJ1
- LG1
- LTF**
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6□
- LZ□
- LC3F2
- X□
- D-□
- E-MY

Series LTF6

Dimensions/LTF6□E□PF(X10)



Section AA

Model	Stroke	n ₁	n ₂
LTF6□E□PF-100-□□-X10	100	2	2
LTF6□E□PF-200-□□-X10	200	3	2
LTF6□E□PF-300-□□-X10	300	4	2
LTF6□E□PF-400-□□-X10	400	5	2
LTF6□E□PF-500-□□-X10	500	6	3
LTF6□E□PF-600-□□-X10	600	7	3

*1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.

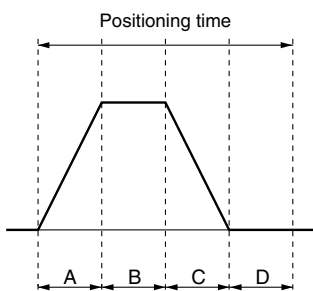
*2. For the motor dimensions, refer to "Non-standard Motor."

*3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	150	0.5	0.6	1.2	2.5	4.5
	300	0.5	0.6	0.9	1.6	2.6

* Values will vary slightly depending on the operating conditions.



A: Acceleration time
B: Constant velocity time
C: Deceleration time
D: Resting time (0.4 sec.)*

Maximum acceleration: 3000 mm/s²

* The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	100	HC-PQ13	86.5
		HC-MFS13	96.5
		HC-KFS13	96.5
		HF-KP13	82.4

Non-standard Motor Horizontal Mount Series **LTF6**

Motor Output
100_w

Ground Ball Screw
∅ 10 mm / 10 mm lead

How to Order

LTF6 **RE1** **PH** - **300** - - **X10**

Stroke (mm)
For details, refer to page 766.

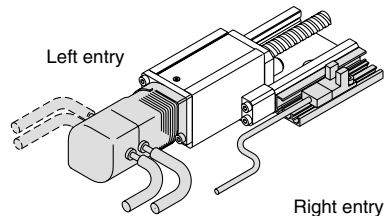
Switch specifications

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RE1	Mitsubishi Electric Corporation	HC-PQ13	100 W	MR-C10A1	100/115 VAC
RE2				MR-C10A	200/230 VAC
RE0				—	—

* Motor/driver is included for RE1 and RE2.

Refer to page 826 for motor mounting dimensions.

Cable for joining motor and driver is optional.

Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

Cover specification

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

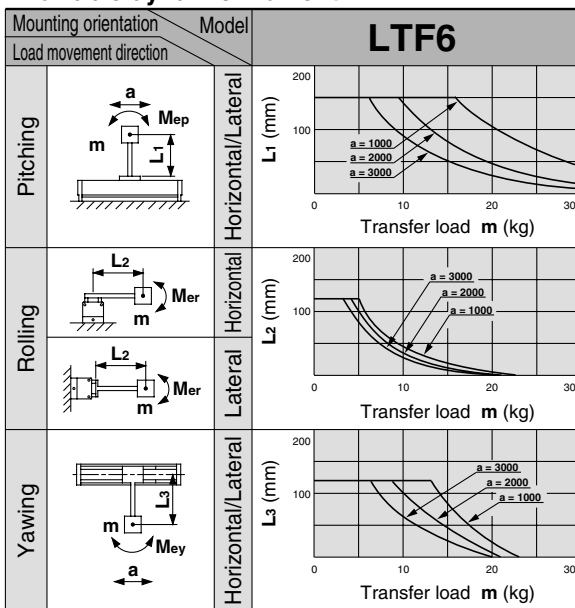
Series LTF6

Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (without motor) (kg)	1.7	2.1	2.6	3.1	3.6	4.1
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	15					
	Maximum speed (mm/s)	500					390
	Positioning repeatability (mm)	±0.02					
Main parts	Motor	AC servomotor (100 W)					
	Encoder	Incremental system					
	Lead screw	Ground ball screw ø10 mm, 10 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)					
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)					

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg)
a : Work piece acceleration (mm/s²)
Me: Allowable dynamic moment
L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Non-standard Motor Horizontal Mount Series LTF6

Motor Output
100 W

Ground Ball Screw
∅ 10 mm / 10 mm lead

How to Order

LTF6 **RE1 PH** - **300** - - **X10** - **Q**

Stroke (mm)
For details, refer to page 768.

CE marking

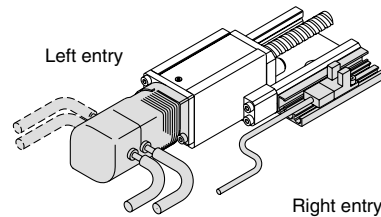
Switch specifications

Nil	Without switch and switch rail
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".
Please order the switches separately. (Refer to pages 1080, 1081 and 1083.)

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RE1	Mitsubishi Electric Corporation*2	HC-PQ13	100 W	MR-C10A1-UE	100/115 VAC
RE2				MR-C10A-UE	200/230 VAC
RE9				—	—
RE0*1		—	—	—	—
RME1		HC-MFS13	100 W	MR-J2S-10A1	100/115 VAC
RME2				MR-J2S-10A	200/230 VAC
RME9				—	—
RME0*1		—	—	—	—
RKE1		HC-KFS13	100 W	MR-J2S-10A1	100/115 VAC
RKE2				MR-J2S-10A	200/230 VAC
RKE9				—	—
RKE0*1		—	—	—	—
RPE1		HF-KP13	100 W	MR-J3-10A1	100/115 VAC
RPE2				MR-J3-10A	200/230 VAC
RPE9				—	—
RPE0*1	—	—	—	—	

*1 Without motor/driver. Refer to page 826 for motor mounting dimensions.

*2 Can be supplied including motor/driver for non-standard motors by Mitsubishi Electric Corporation.
Cable for joining motor and driver is optional.
Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

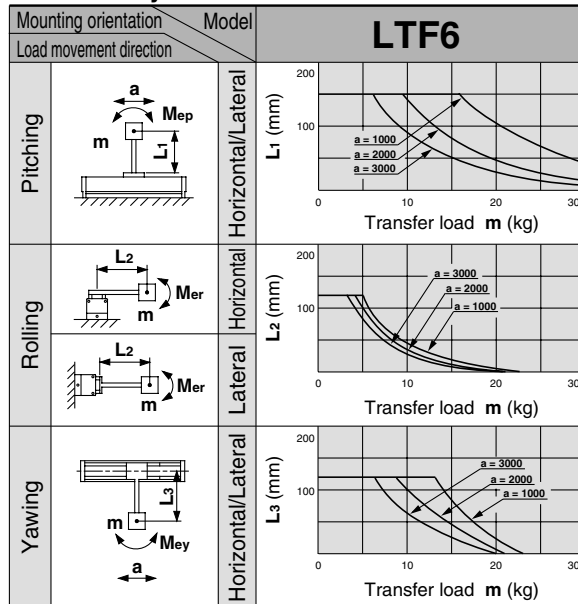
Series LTF6

Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (without motor) (kg)	1.7	2.1	2.6	3.1	3.6	4.1
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	15					
	Maximum speed (mm/s)	500					390
	Positioning repeatability (mm)	±0.02					
Main parts	Motor	AC servomotor (100 W)					
	Encoder	Incremental system					
	Lead screw	Ground ball screw ø10 mm, 10 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					

Allowable Moment (N·m)

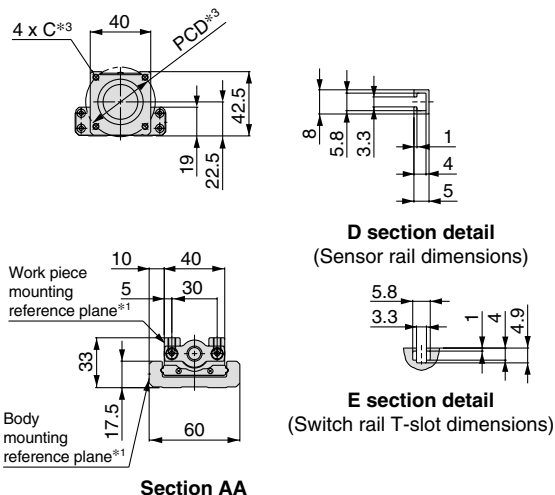
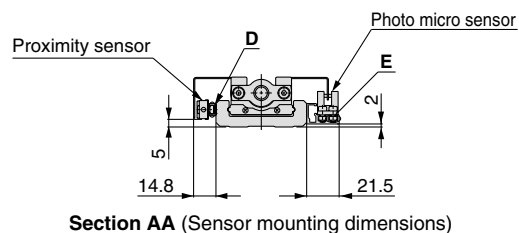
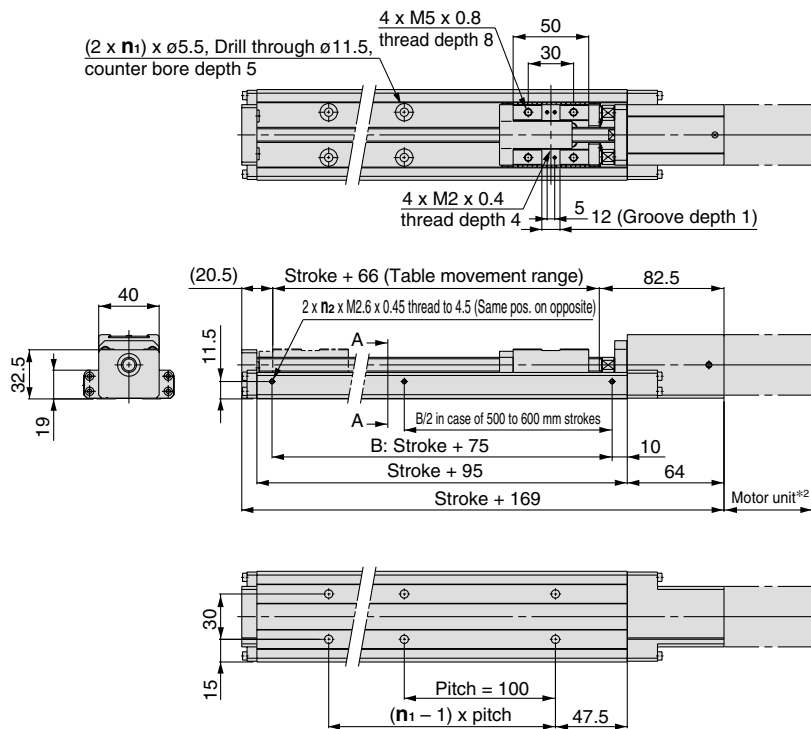
Allowable dynamic moment



- m : Transfer load (kg)
- a : Work piece acceleration (mm/s²)
- Me: Allowable dynamic moment
- L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF6□E□PH(X10)



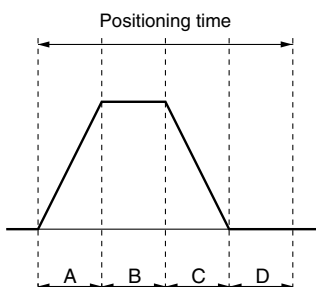
Model	Stroke	n ₁	n ₂
LTF6□E□PH-100-□□-X10	100	2	2
LTF6□E□PH-200-□□-X10	200	3	2
LTF6□E□PH-300-□□-X10	300	4	2
LTF6□E□PH-400-□□-X10	400	5	2
LTF6□E□PH-500-□□-X10	500	6	3
LTF6□E□PH-600-□□-X10	600	7	3

- *1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.
- *2. For the motor dimensions, refer to "Non-standard Motor."
- *3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	250	0.5	0.6	0.9	1.7	2.9
	500	0.5	0.6	0.8	1.2	1.8

* Values will vary slightly depending on the operating conditions.



- A: Acceleration time
 - B: Constant velocity time
 - C: Deceleration time
 - D: Resting time (0.4 sec.)*
- Maximum acceleration: 3000 mm/s²
- * The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	100	HC-PQ13	86.5
		HC-MFS13	96.5
		HC-KFS13	96.5
		HF-KP13	82.4

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

X□

D-□

E-MY

Non-standard Motor Horizontal Mount Series **LTF6**

Motor Output
100_w

Rolled Ball Screw
∅ 10 mm/6 mm lead

How to Order

LTF6 **RE1** **NF** - **300** - **□** **□** - **X10**

Stroke (mm)
For details, refer to page 771.

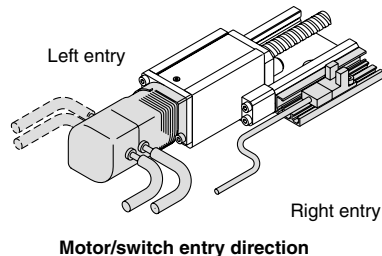
Switch specifications

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RE1	Mitsubishi Electric Corporation	HC-PQ13	100 W	MR-C10A1	100/115 VAC
RE2				MR-C10A	200/230 VAC
RE0				—	—

* Motor/driver is included for RE1 and RE2.

Refer to page 826 for motor mounting dimensions.

Cable for joining motor and driver is optional.

Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

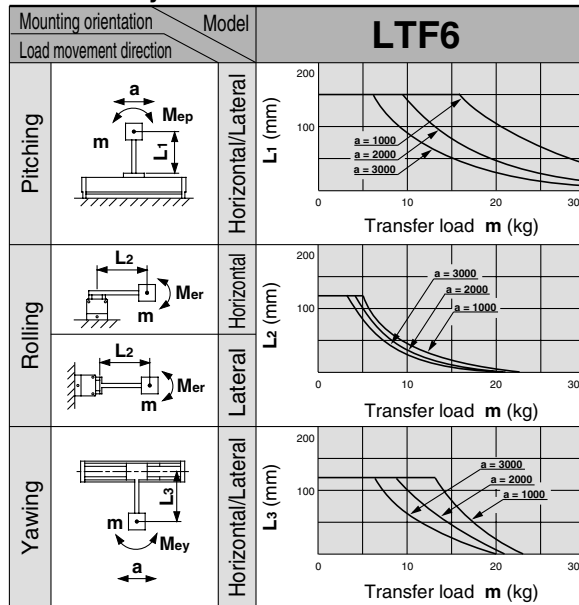
Cover specification

Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (without motor) (kg)	1.7	2.1	2.6	3.1	3.6	4.1
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	30					
	Maximum speed (mm/s)	300					230
	Positioning repeatability (mm)	±0.05					
Main parts	Motor	AC servomotor (100 W)					
	Encoder	Incremental system					
	Lead screw	Rolled ball screw ø10 mm, 6 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)					
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)					

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg)
a : Work piece acceleration (mm/s²)
Me : Allowable dynamic moment
L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

- LJ1
- LG1
- LTF**
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6□
- LZ□
- LC3F2
- X□
- D-□
- E-MY

Non-standard Motor Horizontal Mount Series **LTF6**

Motor Output
100 W

Rolled Ball Screw
Ø 10 mm / 6 mm lead

How to Order

LTF6 **RE1** **NF** - **300** - - **X10** - **Q**

Stroke (mm)
For details, refer to page 773.

CE marking

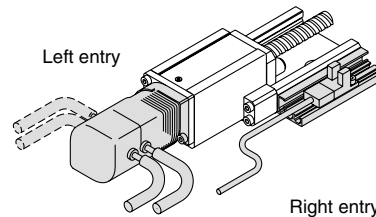
Switch specifications

Nil	Without switch and switch rail
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".
Please order the switches separately. (Refer to pages 1080, 1081 and 1083.)

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RE1	Mitsubishi Electric Corporation*2	HC-PQ13	100 W	MR-C10A1-UE	100/115 VAC
RE2				MR-C10A-UE	200/230 VAC
RE9				—	—
RE0*1		—	—	—	—
RME1		HC-MFS13	100 W	MR-J2S-10A1	100/115 VAC
RME2				MR-J2S-10A	200/230 VAC
RME9				—	—
RME0*1		—	—	—	—
RKE1		HC-KFS13	100 W	MR-J2S-10A1	100/115 VAC
RKE2				MR-J2S-10A	200/230 VAC
RKE9				—	—
RKE0*1		—	—	—	—
RPE1		HF-KP13	100 W	MR-J3-10A1	100/115 VAC
RPE2				MR-J3-10A	200/230 VAC
RPE9				—	—
RPE0*1		—	—	—	—

*1 Without motor/driver. Refer to page 826 for motor mounting dimensions.

*2 Can be supplied including motor/driver for non-standard motors by Mitsubishi Electric Corporation.
Cable for joining motor and driver is optional.
Refer to page 659 for part nos.

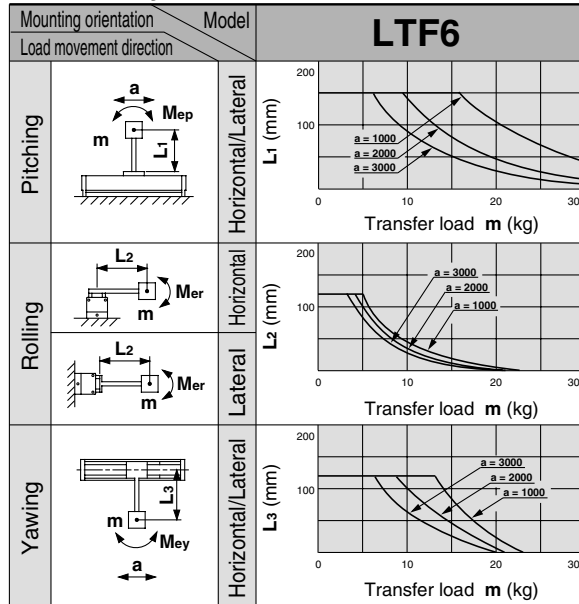
Please contact individual motor manufacturers regarding motor/driver specifications or other details.

Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (without motor) (kg)	1.7	2.1	2.6	3.1	3.6	4.1
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	30					
	Maximum speed (mm/s)	300					230
	Positioning repeatability (mm)	±0.05					
Main parts	Motor	AC servomotor (100 W)					
	Encoder	Incremental system					
	Lead screw	Rolled ball screw ø10 mm, 6 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg)
 a : Work piece acceleration (mm/s²)
 Me : Allowable dynamic moment
 L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

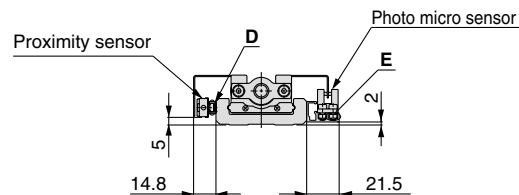
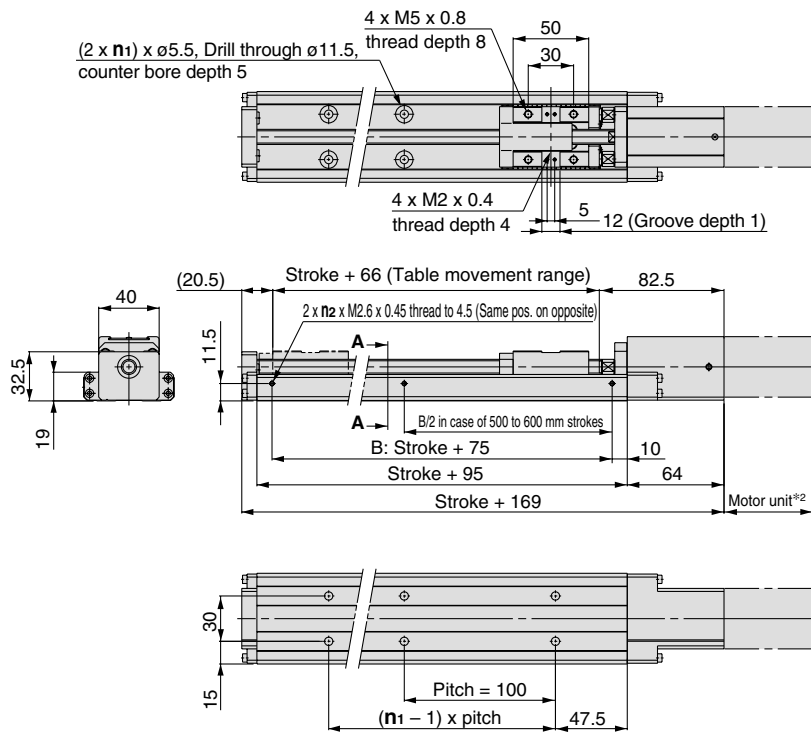
X□

D-□

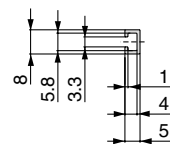
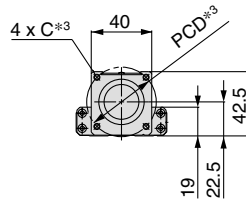
E-MY

Series LTF6

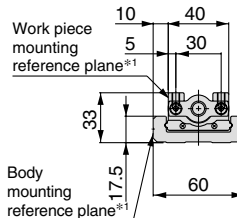
Dimensions/LTF6□E□NF(X10)



Section AA (Sensor mounting dimensions)



D section detail (Sensor rail dimensions)



Section AA

E section detail (Switch rail T-slot dimensions)

Model	Stroke	n ₁	n ₂
LTF6□E□NF-100-□□-X10	100	2	2
LTF6□E□NF-200-□□-X10	200	3	2
LTF6□E□NF-300-□□-X10	300	4	2
LTF6□E□NF-400-□□-X10	400	5	2
LTF6□E□NF-500-□□-X10	500	6	3
LTF6□E□NF-600-□□-X10	600	7	3

- *1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.
- *2. For the motor dimensions, refer to "Non-standard Motor."
- *3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.

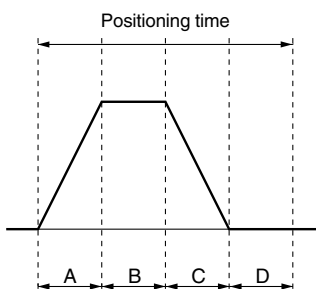
Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	150	0.5	0.6	1.2	2.5	4.5
	300	0.5	0.6	0.9	1.6	2.6

* Values will vary slightly depending on the operating conditions.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	100	HC-PQ13	86.5
		HC-MFS13	96.5
		HC-KFS13	96.5
		HF-KP13	82.4



- A: Acceleration time
- B: Constant velocity time
- C: Deceleration time
- D: Resting time (0.4 sec.)*
- Maximum acceleration: 3000 mm/s²
- * The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

Non-standard Motor Horizontal Mount Series LTF6

Motor Output
100_w

Rolled Ball Screw
∅ 10 mm/10 mm lead

How to Order

LTF6 **RE1 NH** - **300** - - X10

Stroke (mm)
For details, refer to page 776.

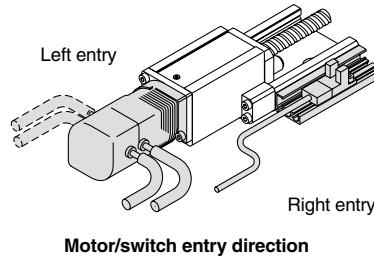
Switch specifications

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RE1	Mitsubishi Electric Corporation	HC-PQ13	100 W	MR-C10A1	100/115 VAC
RE2				MR-C10A	200/230 VAC
RE0				—	—

* Motor/driver is included for RE1 and RE2.

Refer to page 826 for motor mounting dimensions.

Cable for joining motor and driver is optional.

Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

Cover specification

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

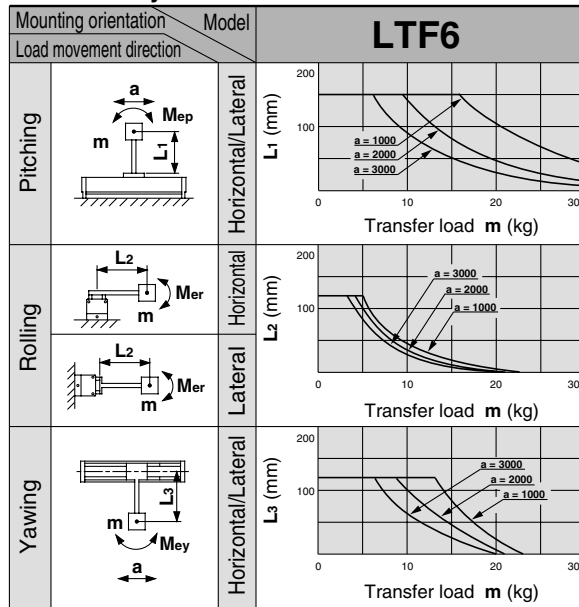
Series LTF6

Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (without motor) (kg)	1.7	2.1	2.6	3.1	3.6	4.1
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	15					
	Maximum speed (mm/s)	500					390
	Positioning repeatability (mm)	±0.05					
Main parts	Motor	AC servomotor (100 W)					
	Encoder	Incremental system					
	Lead screw	Rolled ball screw ø10 mm, 10 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)					
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)					

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg)
a : Work piece acceleration (mm/s²)
Me: Allowable dynamic moment
L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Non-standard Motor Horizontal Mount

Motor Output
100 W

Rolled Ball Screw
∅ 10 mm / 10 mm lead

Series LTF6

How to Order

LTF6 **RE1 NH** - **300** - - **X10** - **Q**

Stroke (mm)
For details, refer to page 778.

CE marking

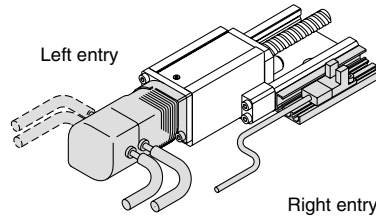
Switch specifications

Nil	Without switch and switch rail
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".
Please order the switches separately. (Refer to pages 1080, 1081 and 1083.)

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RE1	Mitsubishi Electric Corporation*2	HC-PQ13	100 W	MR-C10A1-UE	100/115 VAC
RE2				MR-C10A-UE	200/230 VAC
RE9				—	—
RE0*1		—	—	—	—
RME1		HC-MFS13	100 W	MR-J2S-10A1	100/115 VAC
RME2				MR-J2S-10A	200/230 VAC
RME9				—	—
RME0*1		—	—	—	—
RKE1		HC-KFS13	100 W	MR-J2S-10A1	100/115 VAC
RKE2				MR-J2S-10A	200/230 VAC
RKE9				—	—
RKE0*1		—	—	—	—
RPE1		HF-KP13	100 W	MR-J3-10A1	100/115 VAC
RPE2				MR-J3-10A	200/230 VAC
RPE9				—	—
RPE0*1	—	—	—	—	

*1 Without motor/driver. Refer to page 826 for motor mounting dimensions.

*2 Can be supplied including motor/driver for non-standard motors by Mitsubishi Electric Corporation.
Cable for joining motor and driver is optional.
Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

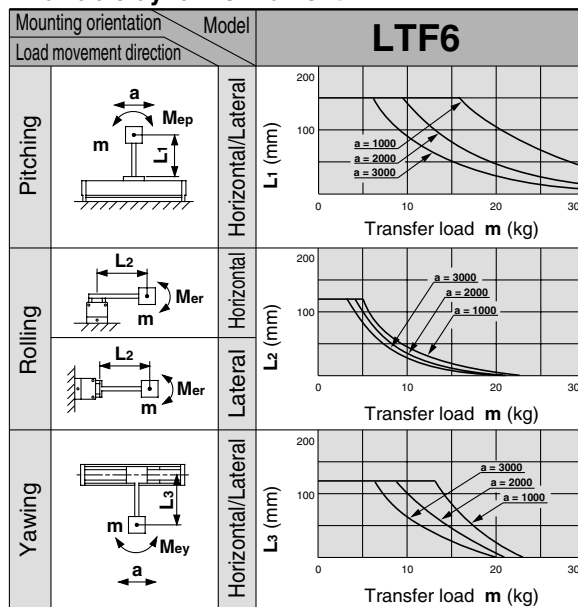
Series LTF6

Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (without motor) (kg)	1.7	2.1	2.6	3.1	3.6	4.1
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	15					
	Maximum speed (mm/s)	500					390
	Positioning repeatability (mm)	±0.05					
Main parts	Motor	AC servomotor (100 W)					
	Encoder	Incremental system					
	Lead screw	Rolled ball screw ø10 mm, 10 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					

Allowable Moment (N·m)

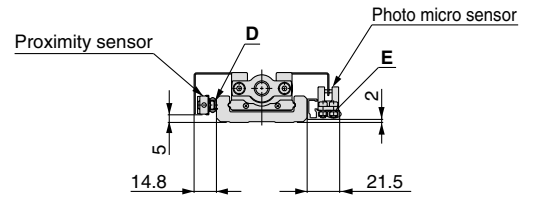
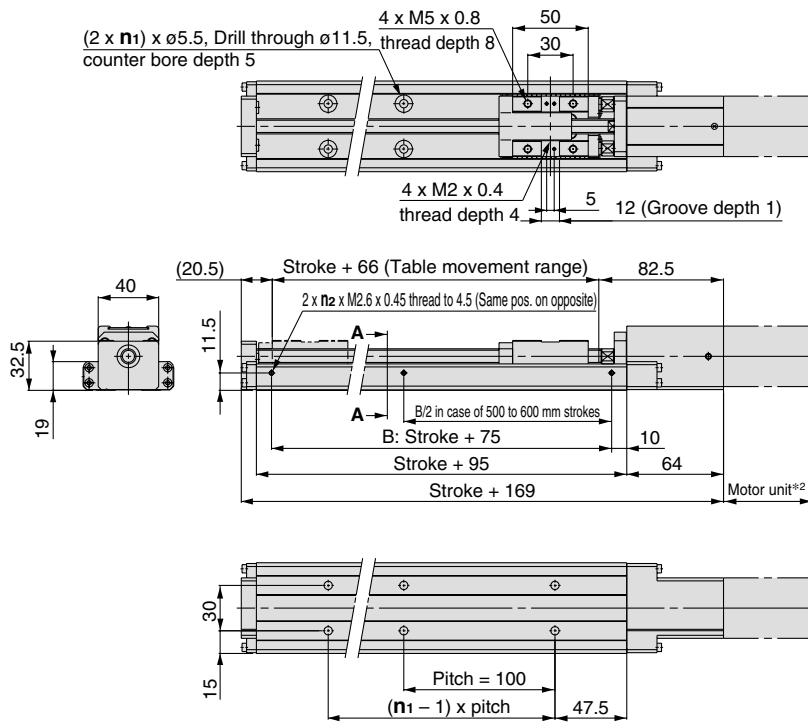
Allowable dynamic moment



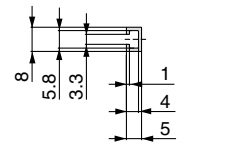
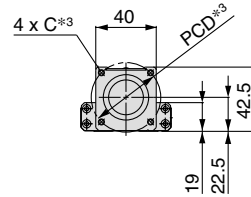
m : Transfer load (kg)
a : Work piece acceleration (mm/s²)
Me: Allowable dynamic moment
L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

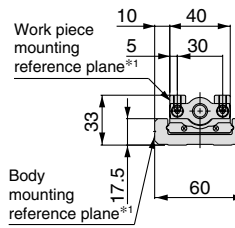
Dimensions/LTF6□E□NH(X10)



Section AA (Sensor mounting dimensions)



D section detail (Sensor rail dimensions)



Section AA

E section detail (Switch rail T-slot dimensions)

Model	Stroke	n ₁	n ₂
LTF6□E□NH-100-□□-X10	100	2	2
LTF6□E□NH-200-□□-X10	200	3	2
LTF6□E□NH-300-□□-X10	300	4	2
LTF6□E□NH-400-□□-X10	400	5	2
LTF6□E□NH-500-□□-X10	500	6	3
LTF6□E□NH-600-□□-X10	600	7	3

*1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.

*2. For the motor dimensions, refer to "Non-standard Motor."

*3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.

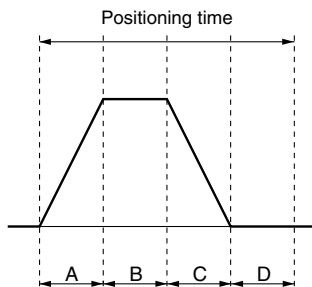
Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	250	0.5	0.6	0.9	1.7	2.9
	500	0.5	0.6	0.8	1.2	1.8

* Values will vary slightly depending on the operating conditions.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	100	HC-PQ13	86.5
		HC-MFS13	96.5
		HC-KFS13	96.5
		HF-KP13	82.4



- A: Acceleration time
- B: Constant velocity time
- C: Deceleration time
- D: Resting time (0.4 sec.)*

Maximum acceleration: 3000 mm/s²

* The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

- LJ1
- LG1
- LTF
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6□
- LZ□
- LC3F2
- X□
- D-□
- E-MY

Non-standard Motor Horizontal Mount Series LTF8

Motor Output
200_w

Ground Ball Screw
∅ 15 mm/10 mm lead

How to Order

LTF8 **RF1** **PH** - **300** - - - X10

● **Stroke (mm)**
For details, refer to page 781.

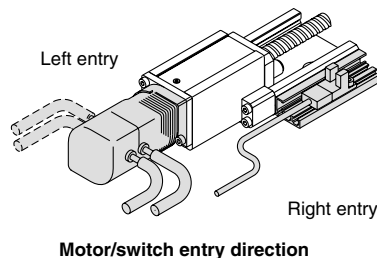
● **Switch specifications**

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

● **Motor/switch entry direction**

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



● **Motor specification**

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RF1	Mitsubishi Electric Corporation	HC-PQ23	200 W	MR-C20A1	100/115 VAC
RF2				MR-C20A	200/230 VAC
RF0				—	—

* Motor/driver is included for RF1 and RF2.

Refer to page 826 for motor mounting dimensions.

Cable for joining motor and driver is optional.

Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

Cover specification

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (without motor) (kg)	3.4	4.3	5.1	6.0	6.8	7.7	8.5	9.4	10.2	11.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	50									
	Maximum speed (mm/s)	500						440	350	290	240
	Positioning repeatability (mm)	±0.02									
Main parts	Motor	AC servomotor (200 W)									
	Encoder	Incremental system									
	Lead screw	Ground ball screw ø15 mm, 10 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)									
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)									
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)									

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

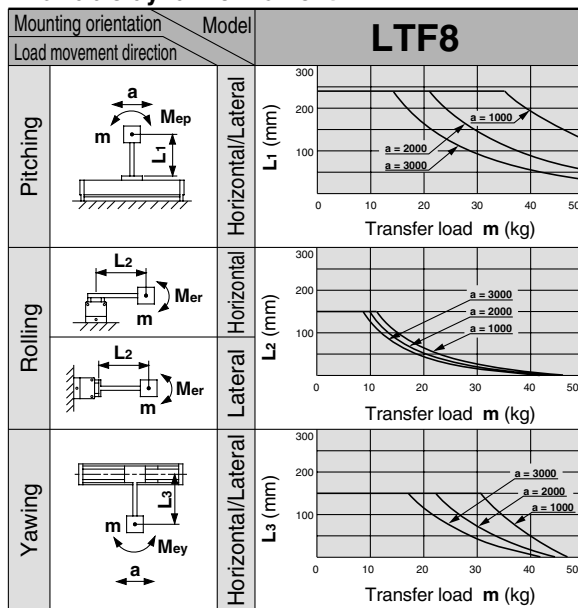
X□

D-□

E-MY

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg)
 a : Work piece acceleration (mm/s²)
 Me : Allowable dynamic moment
 L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Non-standard Motor Horizontal Mount Series LTF8

Motor Output
200 W

Ground Ball Screw
∅ 15 mm / 10 mm lead

How to Order

LTF8 **RF1 PH** - **300** - **□** **□** - **X10** - **Q**

Stroke (mm)
For details, refer to page 783.

CE marking

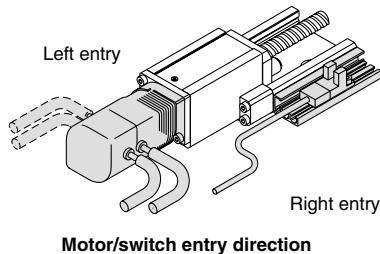
Switch specifications

Nil	Without switch and switch rail
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".
Please order the switch separately. (Refer to pages 1080, 1081, and 1083.)

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RF1	Mitsubishi Electric Corporation*2	HC-PQ23	200 W	MR-C20A1-UE	100/115 VAC
RF2				MR-C20A-UE	200/230 VAC
RF9				—	—
RF0*1		—	—	—	—
RMF1		HC-MFS23	200 W	MR-J2S-20A1	100/115 VAC
RMF2				MR-J2S-20A	200/230 VAC
RMF9				—	—
RMF0*1		—	—	—	—
RKF1		HC-KFS23	200 W	MR-J2S-20A1	100/115 VAC
RKF2				MR-J2S-20A	200/230 VAC
RKF9				—	—
RKF0*1		—	—	—	—
RPF1		HF-KP23	200 W	MR-J3-20A1	100/115 VAC
RPF2				MR-J3-20A	200/230 VAC
RPF9				—	—
RPF0*1		—	—	—	—

*1 Without motor/driver. Refer to page 826 for motor mounting dimensions.

*2 Can be supplied including motor/driver for non-standard motors by Mitsubishi Electric Corporation.
Cable for joining motor and driver is optional.
Refer to page 659 for part nos.

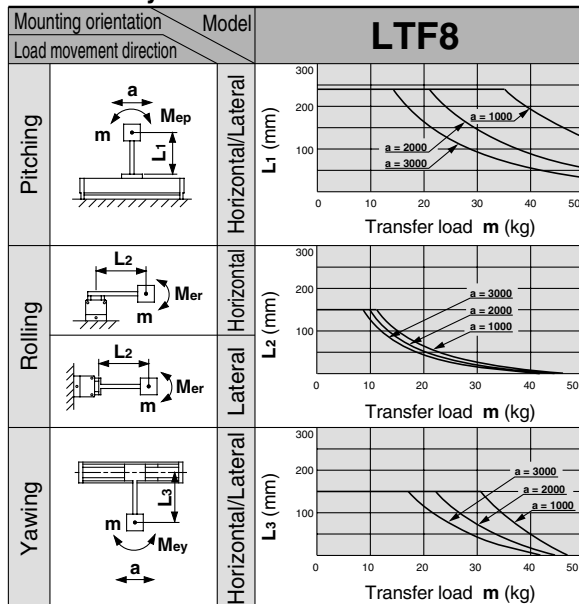
Please contact individual motor manufacturers regarding motor/driver specifications or other details.

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (without motor) (kg)	3.4	4.3	5.1	6.0	6.8	7.7	8.5	9.4	10.2	11.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	50									
	Rated thrust (N)	360									
	Maximum speed (mm/s)	500						440	350	290	240
	Positioning repeatability (mm)	±0.02									
Main parts	Motor	AC servomotor (200 W)									
	Encoder	Incremental system									
	Lead screw	Ground ball screw ø15 mm, 10 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg)
a : Work piece acceleration (mm/s²)
Me: Allowable dynamic moment
L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

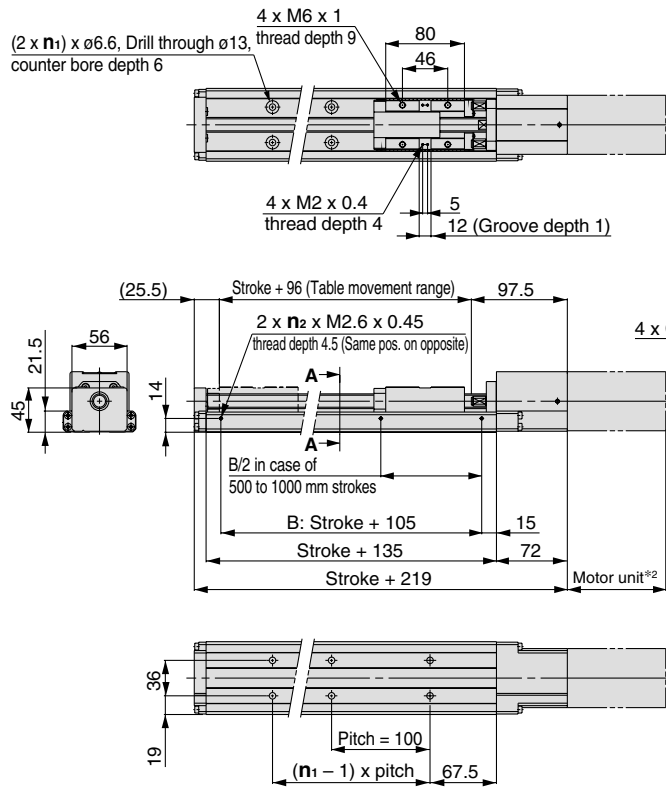
X□

D-□

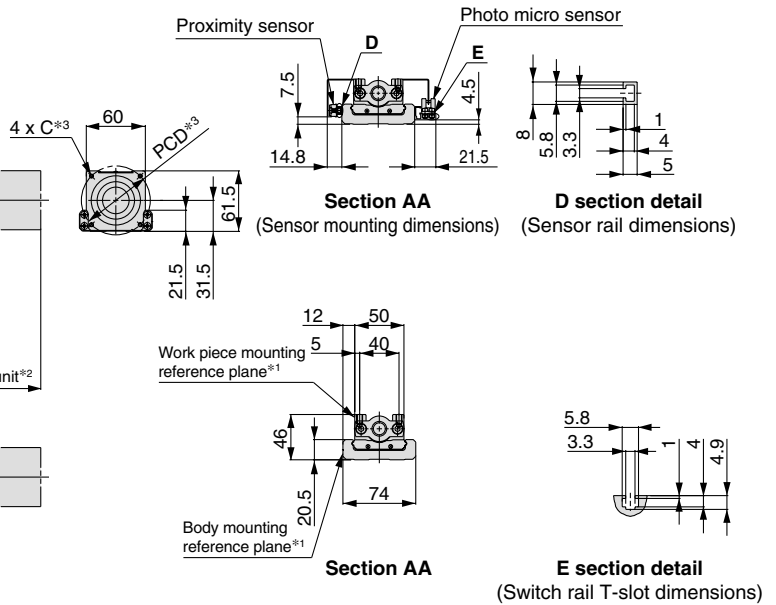
E-MY

Series LTF8

Dimensions/LTF8□F□PH(X10)



- *1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.
- *2. For the motor dimensions, refer to "Non-standard Motor."
- *3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.
- *4. With HC-MFS23, HC-KFS23 or HF-KP23 motor, the motor encoder may project from the product's bottom mounting surface. Be sure to incorporate a recess when designing the device.



Model	Stroke	n ₁	n ₂
LTF8□F□PH- 100-□□-X10	100	2	2
LTF8□F□PH- 200-□□-X10	200	3	2
LTF8□F□PH- 300-□□-X10	300	4	2
LTF8□F□PH- 400-□□-X10	400	5	2
LTF8□F□PH- 500-□□-X10	500	6	3

Model	Stroke	n ₁	n ₂
LTF8□F□PH- 600-□□-X10	600	7	3
LTF8□F□PH- 700-□□-X10	700	8	3
LTF8□F□PH- 800-□□-X10	800	9	3
LTF8□F□PH- 900-□□-X10	900	10	3
LTF8□F□PH-1000-□□-X10	1000	11	3

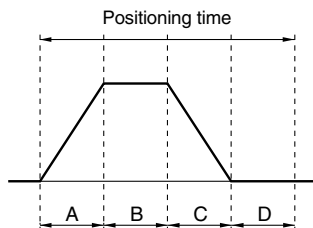
Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	250	0.6	0.7	1.0	2.6	4.6
	500	0.6	0.7	0.9	1.7	2.7

* Values will vary slightly depending on the operating conditions.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	200	HC-PQ23	89
		HC-MFS23	99.5
		HC-KFS23	99.5
		HF-KP23	76.6



- A: Acceleration time
 - B: Constant velocity time
 - C: Deceleration time
 - D: Resting time (0.5 sec.)*
- Maximum acceleration: 3000 mm/s²

* The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

Non-standard Motor Horizontal Mount Series LTF8

Motor Output
200_w

Ground Ball Screw
∅ 15 mm/20 mm lead

How to Order

LTF8 **RF1** **PL** - **300** - - X10

Stroke (mm)
For details, refer to page 786.

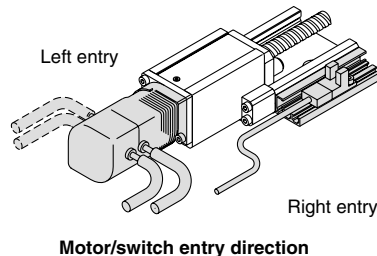
Switch specifications

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RF1	Mitsubishi Electric Corporation	HC-PQ23	200 W	MR-C20A1	100/115 VAC
RF2				MR-C20A	200/230 VAC
RF0				—	—

* Motor/driver is included for RF1 and RF2.

Refer to page 826 for motor mounting dimensions.

Cable for joining motor and driver is optional.

Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

Cover specification

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

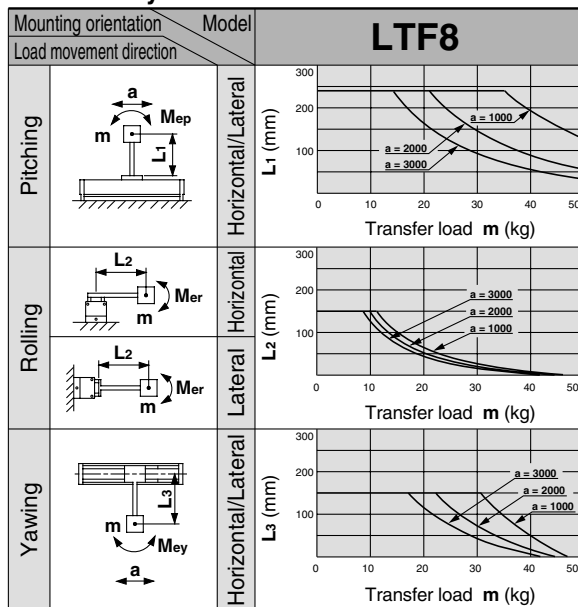
Series LTF8

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (without motor) (kg)	3.4	4.3	5.1	6.0	6.8	7.7	8.5	9.4	10.2	11.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	25									
	Maximum speed (mm/s)	1000						890	710	580	480
	Positioning repeatability (mm)	±0.02									
Main parts	Motor	AC servomotor (200 W)									
	Encoder	Incremental system									
	Lead screw	Ground ball screw ø15 mm, 20 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)									
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)									
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)									

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg)
a : Work piece acceleration (mm/s²)
Me: Allowable dynamic moment
L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Non-standard Motor Horizontal Mount Series LTF8

Motor Output
200 W

Ground Ball Screw
∅ 15 mm/20 mm lead

How to Order

LTF8 **RF1** **PL** - **300** - - **X10** - **Q**

Stroke (mm)
For details, refer to page 788.

CE marking

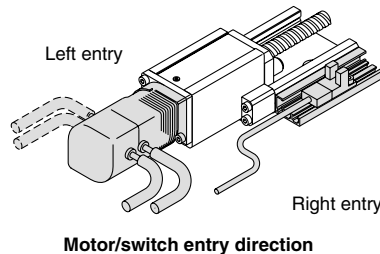
Switch specifications

Nil	Without switch and switch rail
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil". Please order the switch separately. (Refer to pages 1080, 1081, and 1083.)

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RF1	Mitsubishi Electric Corporation*2	HC-PQ23	200 W	MR-C20A1-UE	100/115 VAC
RF2				MR-C20A-UE	200/230 VAC
RF9				—	—
RF0*1		—	—	—	—
RMF1		HC-MFS23	200 W	MR-J2S-20A1	100/115 VAC
RMF2				MR-J2S-20A	200/230 VAC
RMF9				—	—
RMF0*1		—	—	—	—
RKF1		HC-KFS23	200 W	MR-J2S-20A1	100/115 VAC
RKF2				MR-J2S-20A	200/230 VAC
RKF9				—	—
RKF0*1		—	—	—	—
RPF1		HF-KP23	200 W	MR-J3-20A1	100/115 VAC
RPF2				MR-J3-20A	200/230 VAC
RPF9				—	—
RPF0*1		—	—	—	—

*1 Without motor/driver. Refer to page 826 for motor mounting dimensions.

*2 Can be supplied including motor/driver for non-standard motors by Mitsubishi Electric Corporation. Cable for joining motor and driver is optional. Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

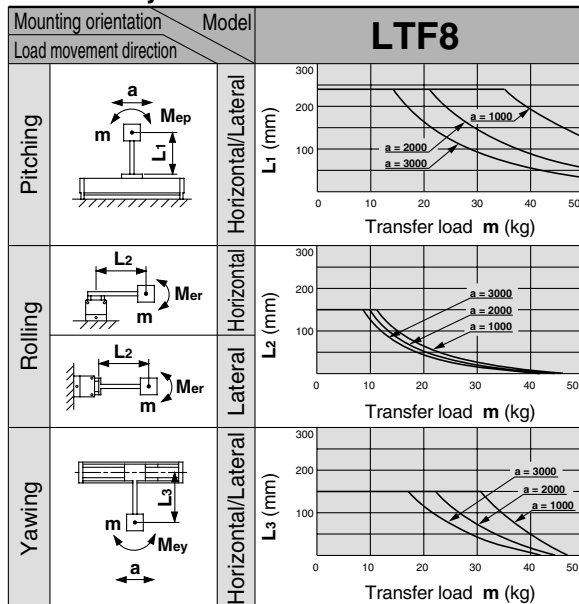
Series LTF8

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (without motor) (kg)	3.4	4.3	5.1	6.0	6.8	7.7	8.5	9.4	10.2	11.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	25									
	Rated thrust (N)	180									
	Maximum speed (mm/s)	1000						890	710	580	480
	Positioning repeatability (mm)	±0.02									
Main parts	Motor	AC servomotor (200 W)									
	Encoder	Incremental system									
	Lead screw	Ground ball screw ø15 mm, 20 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									

Allowable Moment (N·m)

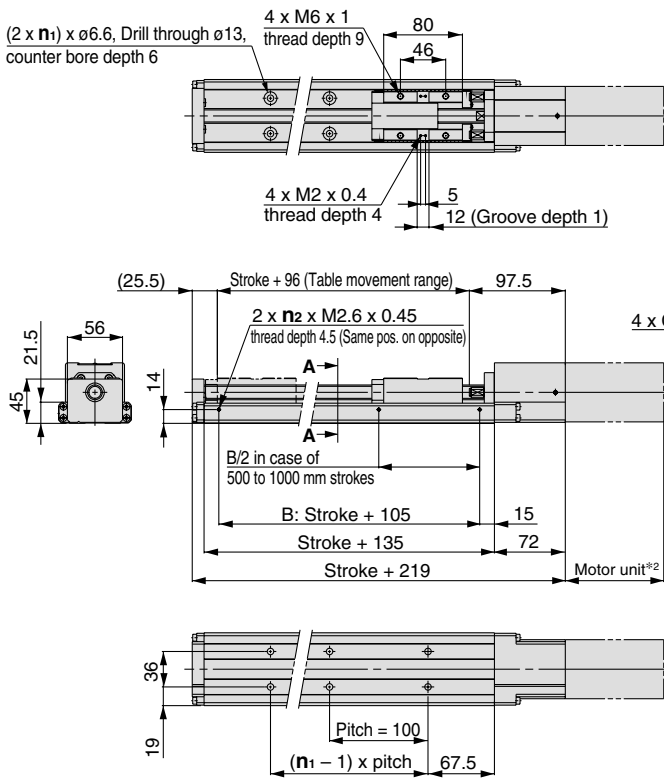
Allowable dynamic moment



m : Transfer load (kg)
a : Work piece acceleration (mm/s²)
Me: Allowable dynamic moment
L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF8□F□PL(X10)

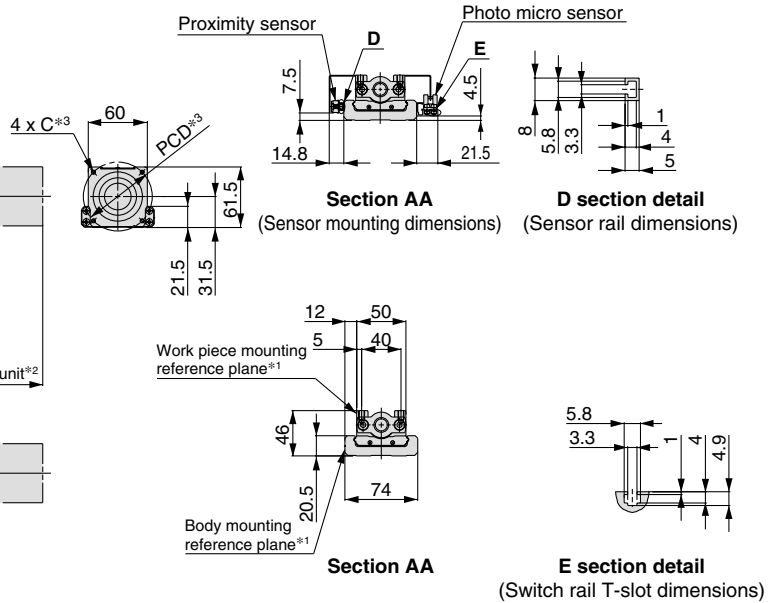


*1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.

*2. For the motor dimensions, refer to "Non-standard Motor."

*3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.

*4. With HC-MFS23, HC-KFS23 or HF-KP23 motor, the motor encoder may project from the product's bottom mounting surface. Be sure to incorporate a recess when designing the device.



Model	Stroke	n ₁	n ₂
LTF8□F□PL- 100-□□-X10	100	2	2
LTF8□F□PL- 200-□□-X10	200	3	2
LTF8□F□PL- 300-□□-X10	300	4	2
LTF8□F□PL- 400-□□-X10	400	5	2
LTF8□F□PL- 500-□□-X10	500	6	3

Model	Stroke	n ₁	n ₂
LTF8□F□PL- 600-□□-X10	600	7	3
LTF8□F□PL- 700-□□-X10	700	8	3
LTF8□F□PL- 800-□□-X10	800	9	3
LTF8□F□PL- 900-□□-X10	900	10	3
LTF8□F□PL-1000-□□-X10	1000	11	3

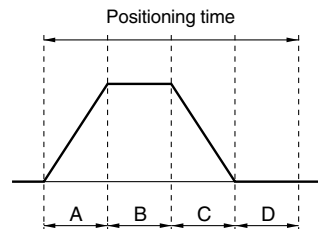
Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	500	0.6	0.7	0.9	1.7	2.7
	1000	0.6	0.7	0.9	1.4	1.9

* Values will vary slightly depending on the operating conditions.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	200	HC-PQ23	89
		HC-MFS23	99.5
		HC-KFS23	99.5
		HF-KP23	76.6



A: Acceleration time

B: Constant velocity time

C: Deceleration time

D: Resting time (0.5 sec.)*

Maximum acceleration: 3000 mm/s²

* The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

X□

D-□

E-MY

Non-standard Motor Horizontal Mount Series *LTF8*

Motor Output
200_w

Rolled Ball Screw
∅ 15 mm / 10 mm lead

How to Order

LTF8 **RF1** **NH** - **300** - **□** **□** - **X10**

● **Stroke (mm)**
For details, refer to page 791.

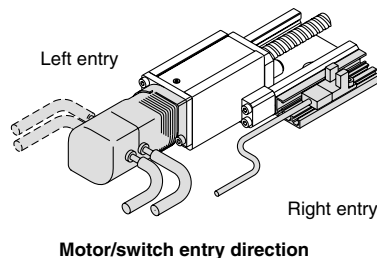
● **Switch specifications**

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

● **Motor/switch entry direction**

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



● **Motor specification**

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RF1	Mitsubishi Electric Corporation	HC-PQ23	200 W	MR-C20A1	100/115 VAC
RF2				MR-C20A	200/230 VAC
RF0				—	—

* Motor/driver is included for RF1 and RF2.

Refer to page 826 for motor mounting dimensions.

Cable for joining motor and driver is optional.

Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

Cover specification

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000	
Performance	Body mass (without motor) (kg)	3.4	4.3	5.1	6.0	6.8	7.7	8.5	9.4	10.2	11.1	
	Operating temperature range (°C)	5 to 40 (No condensation)										
	Work load (kg)	50										
	Maximum speed (mm/s)	500						440	350	290	240	
	Positioning repeatability (mm)	±0.05										
Main parts	Motor	AC servomotor (200 W)										
	Encoder	Incremental system										
	Lead screw	Rolled ball screw ø15 mm, 10 mm lead										
	Guide	Frame-type linear guide										
	Motor/Screw connection	With coupling										
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)										
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)										
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)										

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

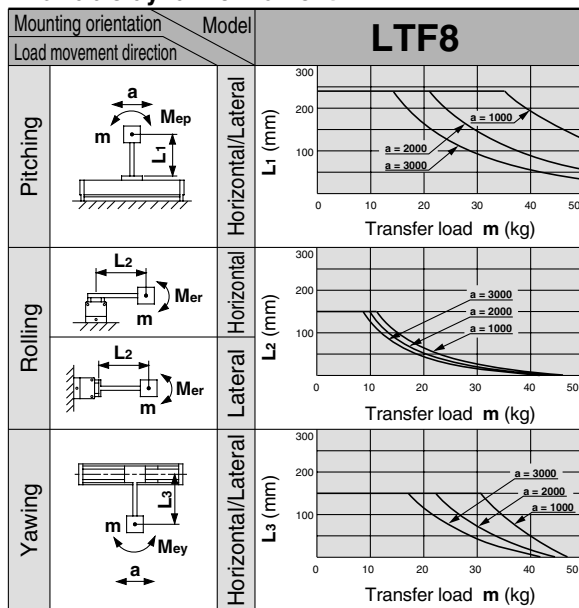
X□

D-□

E-MY

Allowable Moment (N-m)

Allowable dynamic moment



m : Transfer load (kg)
 a : Work piece acceleration (mm/s²)
 M_e : Allowable dynamic moment
 L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Non-standard Motor Horizontal Mount Series **LTF8**

Motor Output
200 W

Rolled Ball Screw
∅ 15 mm / 10 mm lead

How to Order

LTF8 **RF1** **NH** - **300** - **□** **□** - **X10** - **Q**

Stroke (mm)
For details, refer to page 793.

CE marking

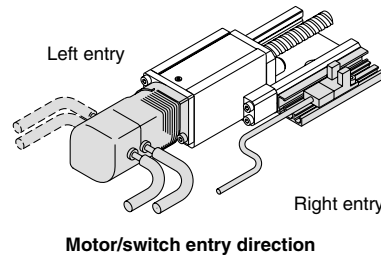
Switch specifications

Nil	Without switch and switch rail
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".
Please order the switch separately. (Refer to pages 1080, 1081, and 1083.)

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RF1	Mitsubishi Electric Corporation*2	HC-PQ23	200 W	MR-C20A1-UE	100/115 VAC
RF2				MR-C20A-UE	200/230 VAC
RF9				—	—
RF0*1		—	—	—	—
RMF1		HC-MFS23	200 W	MR-J2S-20A1	100/115 VAC
RMF2				MR-J2S-20A	200/230 VAC
RMF9				—	—
RMF0*1		—	—	—	—
RKF1		HC-KFS23	200 W	MR-J2S-20A1	100/115 VAC
RKF2				MR-J2S-20A	200/230 VAC
RKF9				—	—
RKF0*1		—	—	—	—
RPF1		HF-KP23	200 W	MR-J3-20A1	100/115 VAC
RPF2				MR-J3-20A	200/230 VAC
RPF9				—	—
RPF0*1		—	—	—	—

*1 Without motor/driver. Refer to page 826 for motor mounting dimensions.

*2 Can be supplied including motor/driver for non-standard motors by Mitsubishi Electric Corporation.
Cable for joining motor and driver is optional.
Refer to page 659 for part nos.

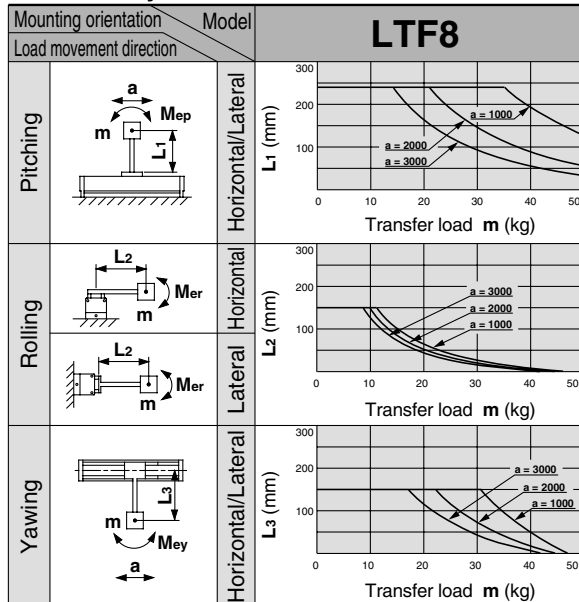
Please contact individual motor manufacturers regarding motor/driver specifications or other details.

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (without motor) (kg)	3.4	4.3	5.1	6.0	6.8	7.7	8.5	9.4	10.2	11.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	50									
	Rated thrust (N)	360									
	Maximum speed (mm/s)	500						440	350	290	240
	Positioning repeatability (mm)	±0.05									
Main parts	Motor	AC servomotor (200 W)									
	Encoder	Incremental system									
	Lead screw	Rolled ball screw ø15 mm, 10 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg)
a : Work piece acceleration (mm/s²)
Me: Allowable dynamic moment
L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

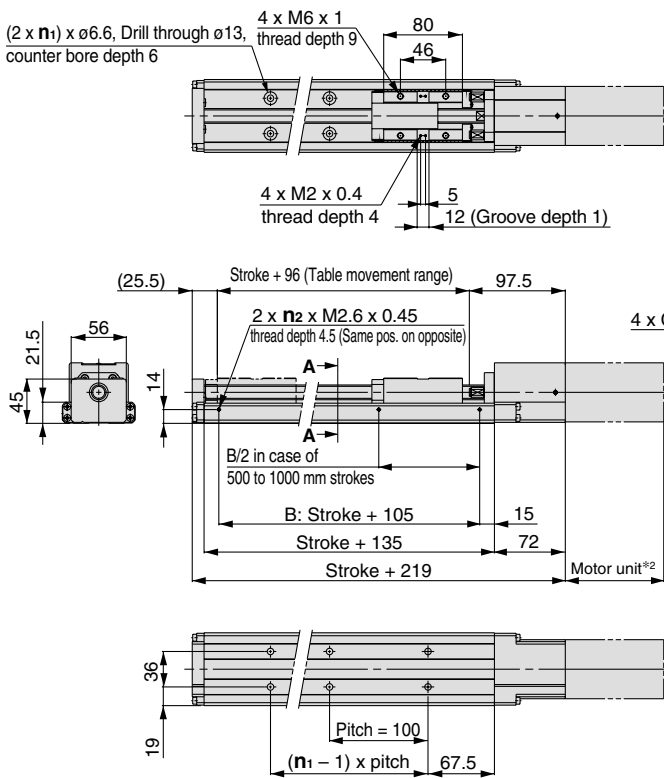
X□

D-□

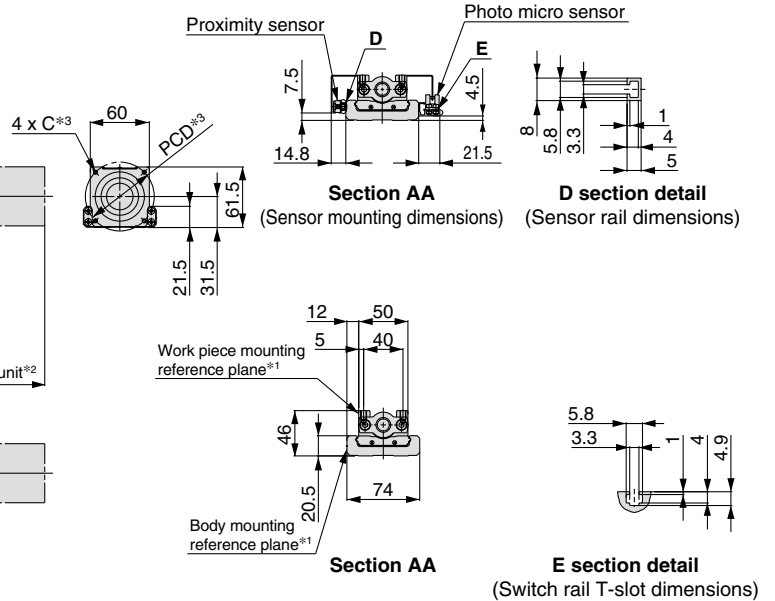
E-MY

Series LTF8

Dimensions/LTF8□F□NH(X10)



- *1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.
- *2. For the motor dimensions, refer to "Non-standard Motor."
- *3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.
- *4. With HC-MFS23, HC-KFS23 or HF-KP23 motor, the motor encoder may project from the product's bottom mounting surface. Be sure to incorporate a recess when designing the device.



Model	Stroke	n ₁	n ₂
LTF8□F□NH- 100-□□-X10	100	2	2
LTF8□F□NH- 200-□□-X10	200	3	2
LTF8□F□NH- 300-□□-X10	300	4	2
LTF8□F□NH- 400-□□-X10	400	5	2
LTF8□F□NH- 500-□□-X10	500	6	3

Model	Stroke	n ₁	n ₂
LTF8□F□NH- 600-□□-X10	600	7	3
LTF8□F□NH- 700-□□-X10	700	8	3
LTF8□F□NH- 800-□□-X10	800	9	3
LTF8□F□NH- 900-□□-X10	900	10	3
LTF8□F□NH-1000-□□-X10	1000	11	3

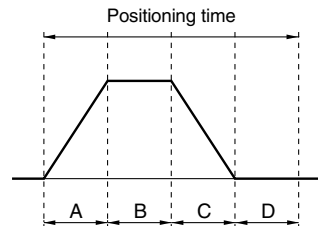
Positioning Time Guide

		Positioning time (sec.)				
Positioning distance (mm)		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	250	0.6	0.7	1.0	2.6	4.6
	500	0.6	0.7	0.9	1.7	2.7

* Values will vary slightly depending on the operating conditions.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	200	HC-PQ23	89
		HC-MFS23	99.5
		HC-KFS23	99.5
		HF-KP23	76.6



- A: Acceleration time
 - B: Constant velocity time
 - C: Deceleration time
 - D: Resting time (0.5 sec.)*
- Maximum acceleration: 3000 mm/s²

* The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

Non-standard Motor Horizontal Mount Series *LTF8*

Motor Output
200_w

Rolled Ball Screw
∅ 15 mm/20 mm lead

How to Order

LTF8 **RF1** **NL** - **300** - - **X10**

● **Stroke (mm)**
For details, refer to page 796.

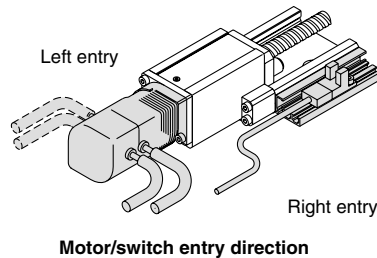
● **Switch specifications**

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

● **Motor/switch entry direction**

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



● **Motor specification**

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RF1	Mitsubishi Electric Corporation	HC-PQ23	200 W	MR-C20A1	100/115 VAC
RF2				MR-C20A	200/230 VAC
RF0				—	—

* Motor/driver is included for RF1 and RF2.
Refer to page 826 for motor mounting dimensions.
Cable for joining motor and driver is optional.
Refer to page 659 for part nos.
Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

Cover specification

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

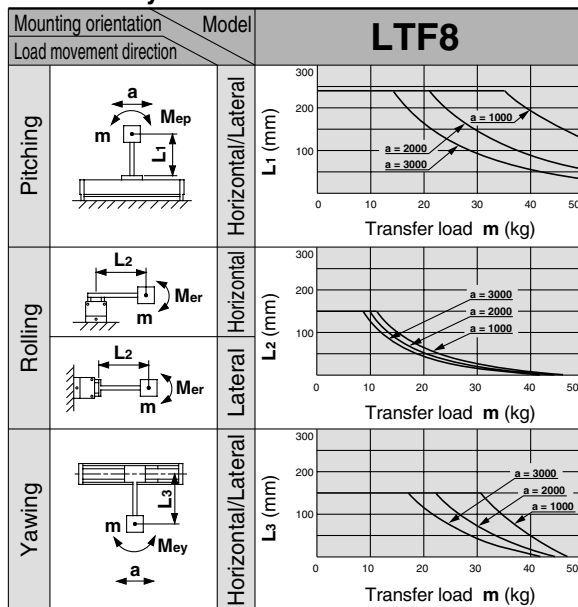
Series LTF8

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (without motor) (kg)	3.4	4.3	5.1	6.0	6.8	7.7	8.5	9.4	10.2	11.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	25									
	Maximum speed (mm/s)	1000						890	710	580	480
	Positioning repeatability (mm)	±0.05									
Main parts	Motor	AC servomotor (200 W)									
	Encoder	Incremental system									
	Lead screw	Rolled ball screw ø15 mm, 20 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)									
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)									
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)									

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg)
a : Work piece acceleration (mm/s²)
Me: Allowable dynamic moment
L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Non-standard Motor Horizontal Mount Series **LTF8**

Motor Output
200_w

Rolled Ball Screw
∅ 15 mm/20 mm lead

How to Order

LTF8 **RF1** **NL** - **300** - - **X10** - **Q**

Stroke (mm)
For details, refer to page 798.

CE marking

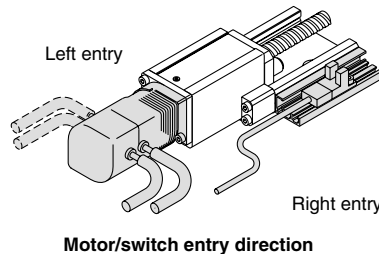
Switch specifications

Nil	Without switch and switch rail
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".
Please order the switch separately. (Refer to pages 1080, 1081, and 1083.)

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RF1	Mitsubishi Electric Corporation*2	HC-PQ23	200 W	MR-C20A1-UE	100/115 VAC
RF2				MR-C20A-UE	200/230 VAC
RF9				—	—
RF0*1		—	—	—	—
RMF1		HC-MFS23	200 W	MR-J2S-20A1	100/115 VAC
RMF2				MR-J2S-20A	200/230 VAC
RMF9				—	—
RMF0*1		—	—	—	—
RKF1		HC-KFS23	200 W	MR-J2S-20A1	100/115 VAC
RKF2				MR-J2S-20A	200/230 VAC
RKF9				—	—
RKF0*1		—	—	—	—
RPF1		HF-KP23	200 W	MR-J3-20A1	100/115 VAC
RPF2				MR-J3-20A	200/230 VAC
RPF9				—	—
RPF0*1		—	—	—	—

*1 Without motor/driver. Refer to page 826 for motor mounting dimensions.

*2 Can be supplied including motor/driver for non-standard motors by Mitsubishi Electric Corporation.
Cable for joining motor and driver is optional.
Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

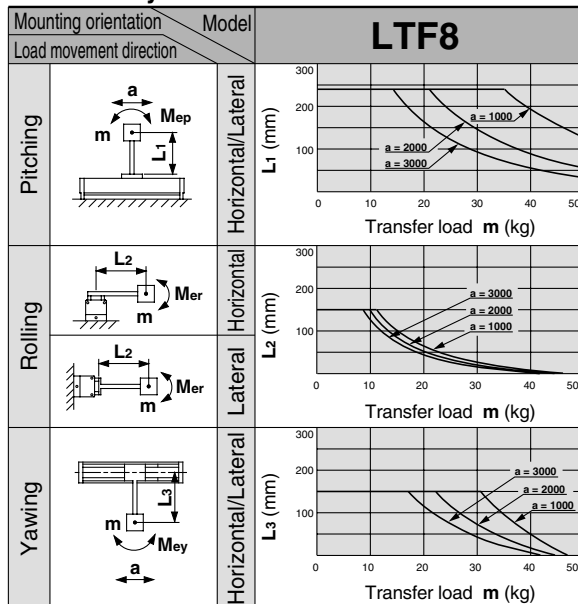
Series LTF8

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (without motor) (kg)	3.4	4.3	5.1	6.0	6.8	7.7	8.5	9.4	10.2	11.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	25									
	Rated thrust (N)	180									
	Maximum speed (mm/s)	1000						890	710	580	480
	Positioning repeatability (mm)	±0.05									
Main parts	Motor	AC servomotor (200 W)									
	Encoder	Incremental system									
	Lead screw	Rolled ball screw ø15 mm, 20 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									

Allowable Moment (N·m)

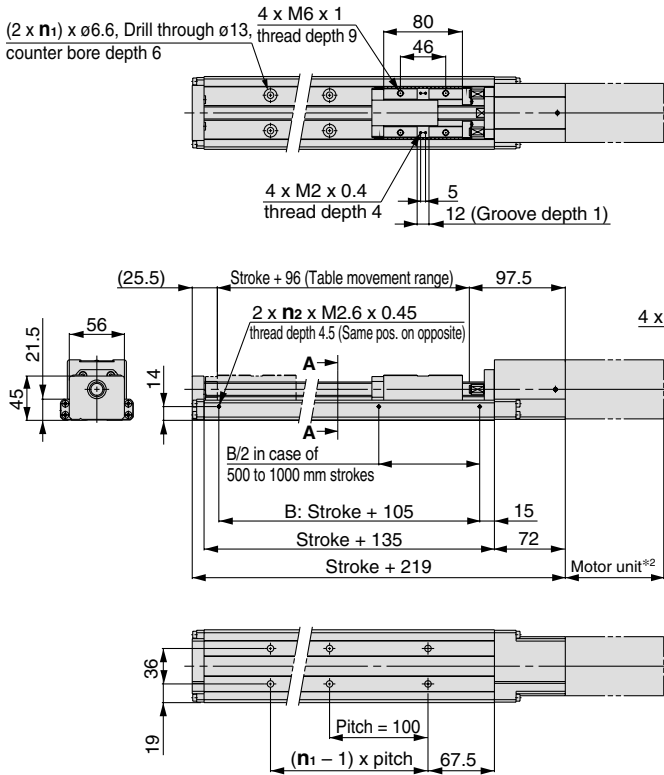
Allowable dynamic moment



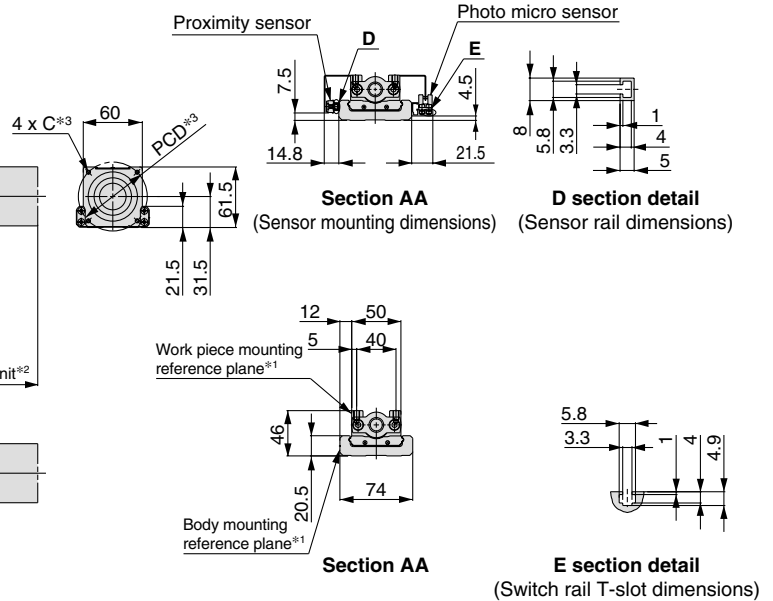
m : Transfer load (kg)
a : Work piece acceleration (mm/s²)
Me: Allowable dynamic moment
L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Dimensions/LTF8□F□NL(X10)



- *1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.
- *2. For the motor dimensions, refer to "Non-standard Motor."
- *3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.
- *4. With HC-MFS23, HC-KFS23 or HF-KP23 motor, the motor encoder may project from the product's bottom mounting surface. Be sure to incorporate a recess when designing the device.



Model	Stroke	n1	n2
LTF8□F□NL- 100-□□-X10	100	2	2
LTF8□F□NL- 200-□□-X10	200	3	2
LTF8□F□NL- 300-□□-X10	300	4	2
LTF8□F□NL- 400-□□-X10	400	5	2
LTF8□F□NL- 500-□□-X10	500	6	3

Model	Stroke	n1	n2
LTF8□F□NL- 600-□□-X10	600	7	3
LTF8□F□NL- 700-□□-X10	700	8	3
LTF8□F□NL- 800-□□-X10	800	9	3
LTF8□F□NL- 900-□□-X10	900	10	3
LTF8□F□NL-1000-□□-X10	1000	11	3

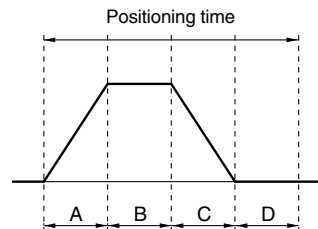
Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	500	0.6	0.7	0.9	1.7	2.7
	1000	0.6	0.7	0.9	1.4	1.9

* Values will vary slightly depending on the operating conditions.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	200	HC-PQ23	89
		HC-MFS23	99.5
		HC-KFS23	99.5
		HF-KP23	76.6



- A: Acceleration time
- B: Constant velocity time
- C: Deceleration time
- D: Resting time (0.5 sec.)*

Maximum acceleration: 3000 mm/s²

* The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

X□

D-□

E-MY

Non-standard Motor Vertical Mount Series LTF6

Motor Output
100_w

Ground Ball Screw
∅10 mm/6 mm lead

How to Order

LTF6 **RE1** **PF** - **300** K - - X10

Stroke (mm)
For details, refer to page 801.

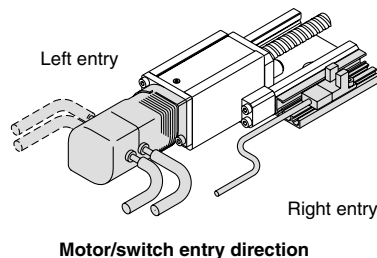
Switch specifications

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RE1	Mitsubishi Electric Corporation	HC-PQ13B	100 W	MR-C10A1	100/115 VAC
RE2				MR-C10A	200/230 VAC
RE0				—	—

* Motor/driver is included for RE1 and RE2.
Refer to page 826 for motor mounting dimensions.
Cable for joining motor and driver is optional.
Refer to page 659 for part nos.
Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

Cover specification

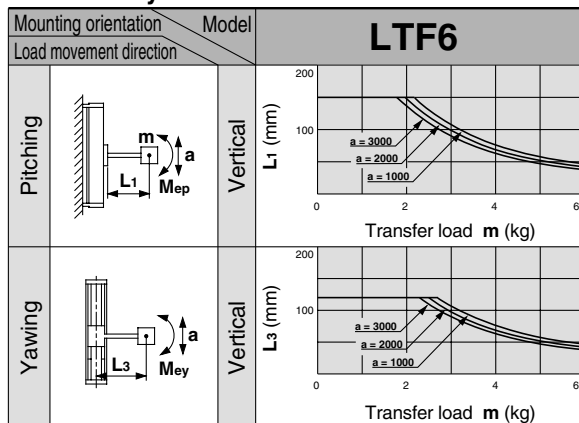
Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (without motor) (kg)	1.7	2.1	2.6	3.1	3.6	4.1
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	6					
	Maximum speed (mm/s)	300					230
	Positioning repeatability (mm)	±0.02					
Main parts	Motor	AC servomotor (100 W) with brake					
	Encoder	Incremental system					
	Lead screw	Ground ball screw ø10 mm, 6 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)					
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)					
Regenerative absorption unit		Refer to the selection guide below.					

- LJ1
- LG1
- LTF**
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6□
- LZ□
- LC3F2
- X□
- D-□
- E-MY

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg) Me : Allowable dynamic moment
 a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Regenerative Absorption Unit Selection Guide

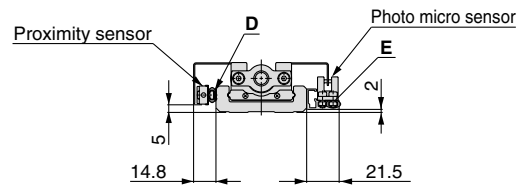
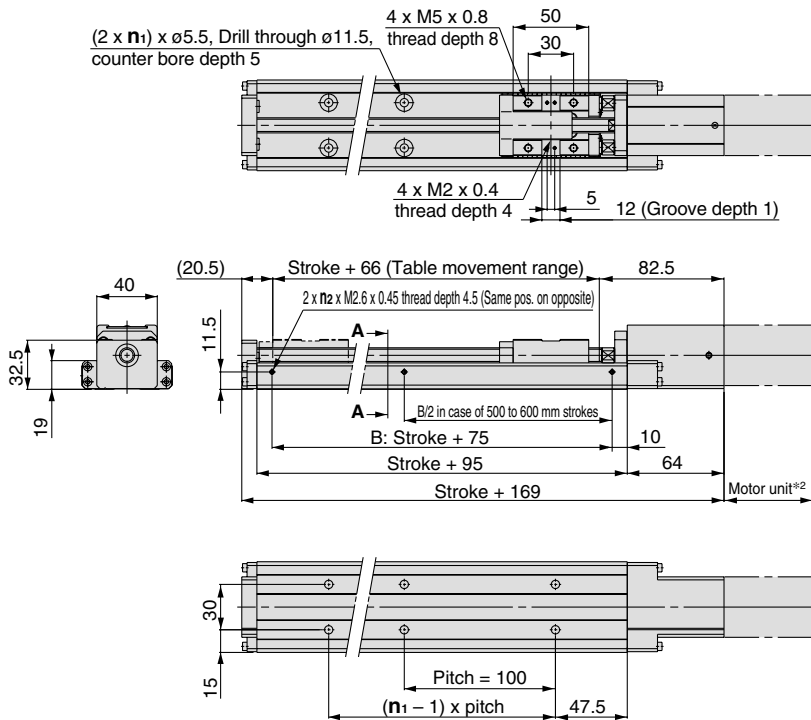
Depending on operating conditions, a regenerative absorption unit or regenerative resistor may be required for a non-standard motor with vertical mount specification. How to determine regenerative energy is shown below.

$$\text{Regenerative energy} = \text{Motor coil energy consumption} + \text{Driver capacitor energy consumption (A)} + \text{Regenerative resistor energy consumption (B)}$$

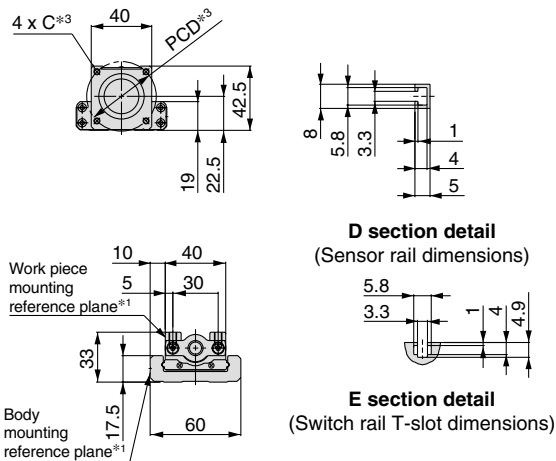
(A) and (B) vary depending on each motor and driver. Use of a regenerative absorption unit or regenerative resistor is recommended under any conditions when a vertical specification is used. Contact SMC for questions regarding selections.

Series LTF6

Dimensions/LTF6□E□PF(X10)



Section AA (Sensor mounting dimensions)



Section AA

Model	Stroke	n ₁	n ₂
LTF6□E□PF- 100K-□□-X10	100	2	2
LTF6□E□PF- 200K-□□-X10	200	3	2
LTF6□E□PF- 300K-□□-X10	300	4	2
LTF6□E□PF- 400K-□□-X10	400	5	2
LTF6□E□PF- 500K-□□-X10	500	6	3
LTF6□E□PF- 600K-□□-X10	600	7	3

*1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.

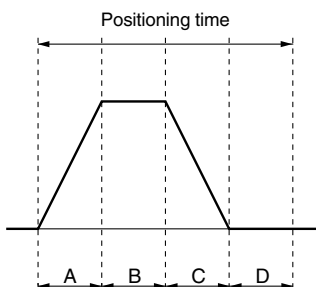
*2. For the motor dimensions, refer to "Non-standard Motor."

*3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	150	0.5	0.6	1.2	2.5	4.5
	300	0.5	0.6	0.9	1.6	2.6

* Values will vary slightly depending on the operating conditions.



A: Acceleration time
 B: Constant velocity time
 C: Deceleration time
 D: Resting time (0.4 sec.)*
 Maximum acceleration: 3000 mm/s²

* The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	100	HC-PQ13B	114.5

Non-standard Motor Vertical Mount Series LTF6

Motor Output
100_w

Ground Ball Screw
∅ 10 mm/10 mm lead

How to Order

LTF6 **RE1** **PH** - **300** K - - X10

Stroke (mm)
For details, refer to page 804.

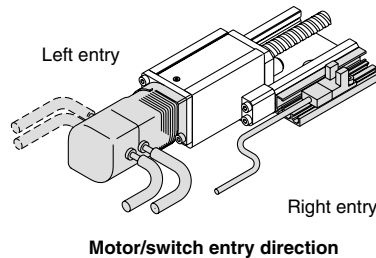
Switch specifications

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RE1	Mitsubishi Electric Corporation	HC-PQ13B	100 W	MR-C10A1	100/115 VAC
RE2				MR-C10A	200/230 VAC
RE0				—	—

* Motor/driver is included for RE1 and RE2.
Refer to page 826 for motor mounting dimensions.
Cable for joining motor and driver is optional.
Refer to page 659 for part nos.
Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

Cover specification

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

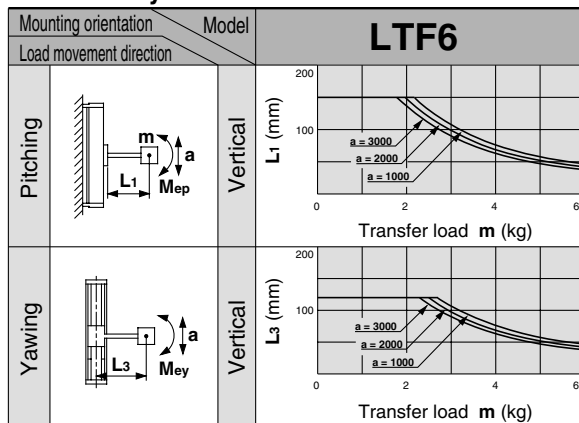
Series LTF6

Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (without motor) (kg)	1.7	2.1	2.6	3.1	3.6	4.1
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	3					
	Maximum speed (mm/s)	500					390
	Positioning repeatability (mm)	±0.02					
Main parts	Motor	AC servomotor (100 W) with brake					
	Encoder	Incremental system					
	Lead screw	Ground ball screw ø10 mm, 10 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)					
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)					
Regenerative absorption unit		Refer to the selection guide below.					

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg) M_e : Allowable dynamic moment
 a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

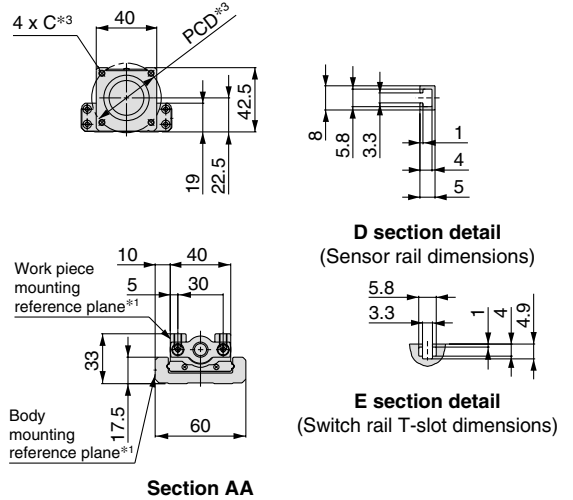
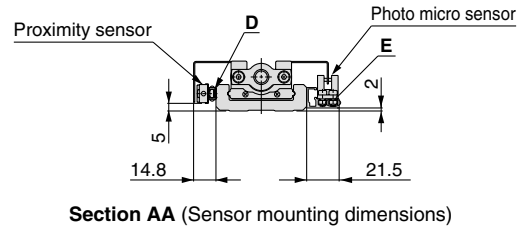
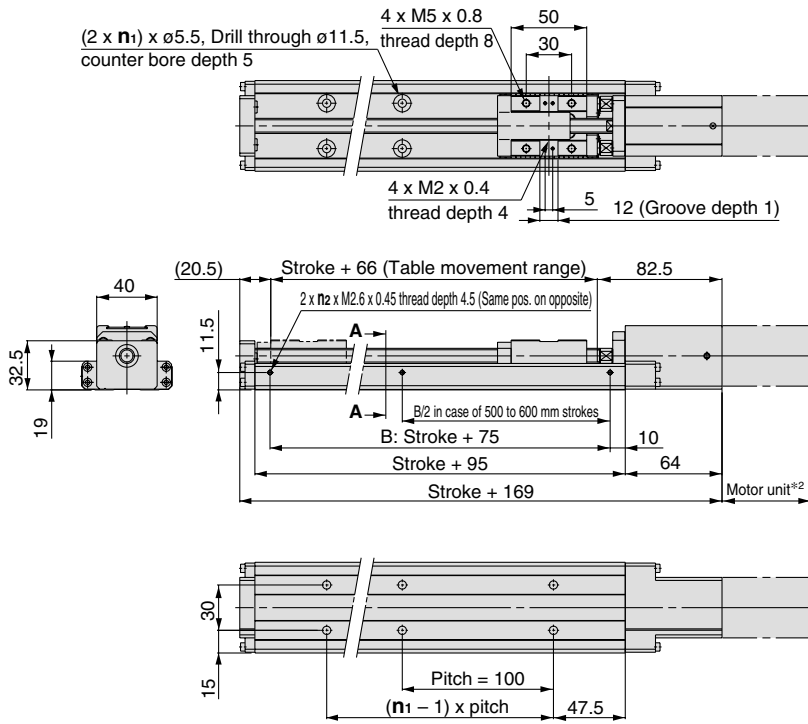
Regenerative Absorption Unit Selection Guide

Depending on operating conditions, a regenerative absorption unit or regenerative resistor may be required for a non-standard motor with vertical mount specification. How to determine regenerative energy is shown below.

Regenerative energy = Motor coil energy consumption
 + Driver capacitor energy consumption (A)
 + Regenerative resistor energy consumption (B)

(A) and (B) vary depending on each motor and driver. Use of a regenerative absorption unit or regenerative resistor is recommended under any conditions when a vertical specification is used. Contact SMC for questions regarding selections.

Dimensions/LTF6□E□PH(X10)



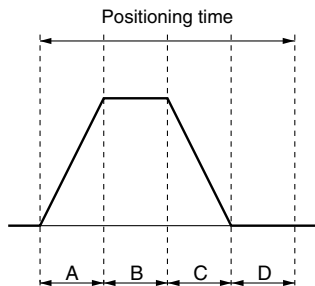
Model	Stroke	n ₁	n ₂
LTF6□E□PH-100K-□□-X10	100	2	2
LTF6□E□PH-200K-□□-X10	200	3	2
LTF6□E□PH-300K-□□-X10	300	4	2
LTF6□E□PH-400K-□□-X10	400	5	2
LTF6□E□PH-500K-□□-X10	500	6	3
LTF6□E□PH-600K-□□-X10	600	7	3

- *1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.
- *2. For the motor dimensions, refer to "Non-standard Motor."
- *3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	250	0.5	0.6	0.9	1.7	2.9
	500	0.5	0.6	0.8	1.2	1.8

* Values will vary slightly depending on the operating conditions.



- A: Acceleration time
 - B: Constant velocity time
 - C: Deceleration time
 - D: Resting time (0.4 sec.)*
- Maximum acceleration: 3000 mm/s²
- * The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	100	HC-PQ13B	114.5

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

X□

D-□

E-MY

Non-standard Motor Vertical Mount Series LTF6

Motor Output
100_w

Rolled Ball Screw
∅10 mm/6 mm lead

How to Order

LTF6 **RE1** **NF** - **300** K - - X10

Stroke (mm)
For details, refer to page 807.

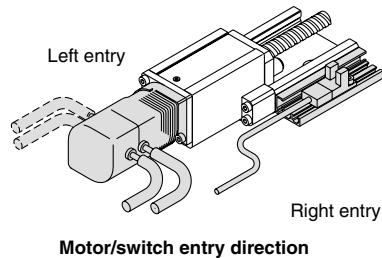
Switch specifications

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RE1	Mitsubishi Electric Corporation	HC-PQ13B	100 W	MR-C10A1	100/115 VAC
RE2				MR-C10A	200/230 VAC
RE0				—	—

* Motor/driver is included for RE1 and RE2.
Refer to page 826 for motor mounting dimensions.
Cable for joining motor and driver is optional.
Refer to page 659 for part nos.
Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

Cover specification

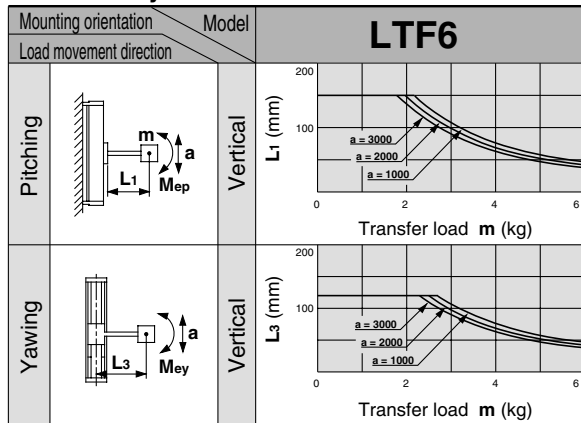
Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (without motor) (kg)	1.7	2.1	2.6	3.1	3.6	4.1
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	6					
	Maximum speed (mm/s)	300					230
	Positioning repeatability (mm)	±0.05					
Main parts	Motor	AC servomotor (100 W) with brake					
	Encoder	Incremental system					
	Lead screw	Rolled ball screw ø10 mm, 6 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)					
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)					
Regenerative absorption unit		Refer to the selection guide below.					

- LJ1
- LG1
- LTF**
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6
- LZ
- LC3F2
- X
- D-
- E-MY

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg) **Me**: Allowable dynamic moment
a : Work piece acceleration (mm/s²) **L** : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Regenerative Absorption Unit Selection Guide

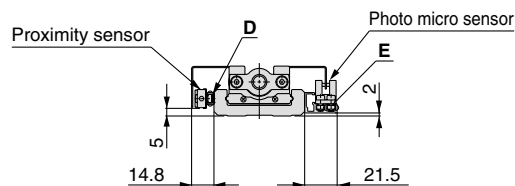
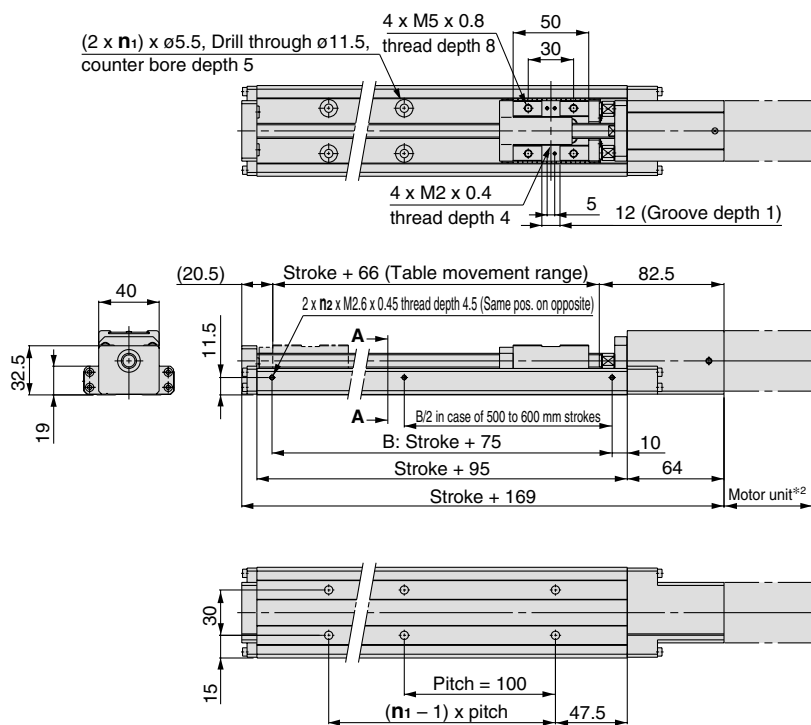
Depending on operating conditions, a regenerative absorption unit or regenerative resistor may be required for a non-standard motor with vertical mount specification. How to determine regenerative energy is shown below.

$$\begin{aligned}
 \text{Regenerative energy} = & \text{Motor coil energy consumption} \\
 & + \text{Driver capacitor energy consumption (A)} \\
 & + \text{Regenerative resistor energy consumption (B)}
 \end{aligned}$$

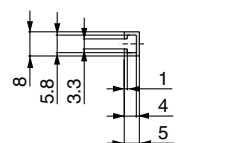
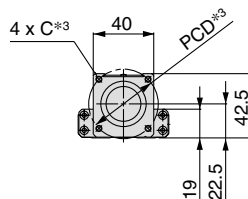
(A) and (B) vary depending on each motor and driver. Use of a regenerative absorption unit or regenerative resistor is recommended under any conditions when a vertical specification is used. Contact SMC for questions regarding selections.

Series LTF6

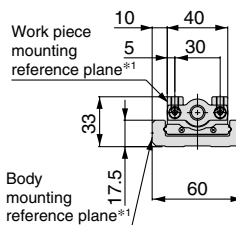
Dimensions/LTF6□E□NF(X10)



Section AA (Sensor mounting dimensions)



D section detail (Sensor rail dimensions)



E section detail (Switch rail T-slot dimensions)

Section AA

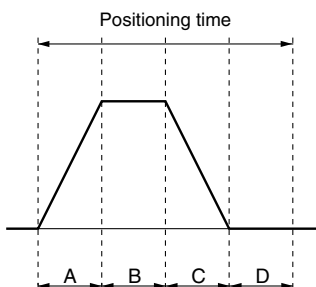
Model	Stroke	n ₁	n ₂
LTF6□E□NF-100K-□□-X10	100	2	2
LTF6□E□NF-200K-□□-X10	200	3	2
LTF6□E□NF-300K-□□-X10	300	4	2
LTF6□E□NF-400K-□□-X10	400	5	2
LTF6□E□NF-500K-□□-X10	500	6	3
LTF6□E□NF-600K-□□-X10	600	7	3

- *1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.
- *2. For the motor dimensions, refer to "Non-standard Motor."
- *3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	150	0.5	0.6	1.2	2.5	4.5
	300	0.5	0.6	0.9	1.6	2.6

* Values will vary slightly depending on the operating conditions.



- A: Acceleration time
 - B: Constant velocity time
 - C: Deceleration time
 - D: Resting time (0.4 sec.)*
- Maximum acceleration: 3000 mm/s²

* The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	100	HC-PQ13B	114.5

Non-standard Motor Vertical Mount Series LTF6

Motor Output
100_w

Rolled Ball Screw
∅ 10 mm/10 mm lead

How to Order

LTF6 **RE1** **NH** - **300** K - - X10

Stroke (mm)
For details, refer to page 810.

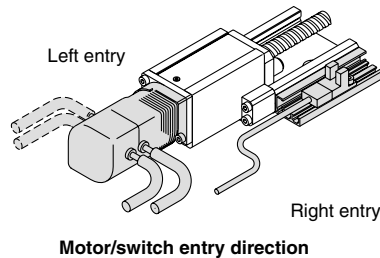
Switch specifications

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RE1	Mitsubishi Electric Corporation	HC-PQ13B	100 W	MR-C10A1	100/115 VAC
RE2				MR-C10A	200/230 VAC
RE0				—	—

* Motor/driver is included for RE1 and RE2.
Refer to page 826 for motor mounting dimensions.
Cable for joining motor and driver is optional.
Refer to page 659 for part nos.
Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

Cover specification

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

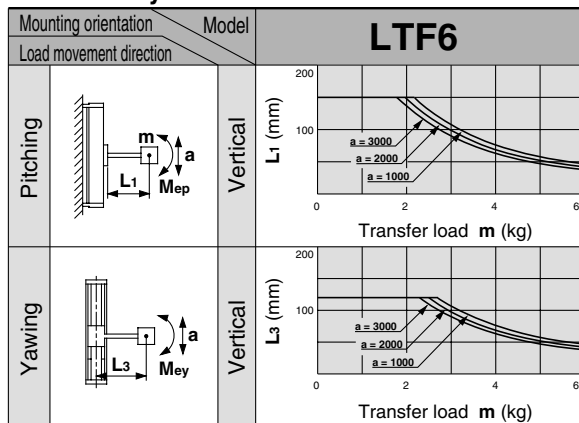
Series LTF6

Specifications

Standard stroke (mm)		100	200	300	400	500	600
Performance	Body mass (without motor) (kg)	1.7	2.1	2.6	3.1	3.6	4.1
	Operating temperature range (°C)	5 to 40 (No condensation)					
	Work load (kg)	3					
	Maximum speed (mm/s)	500					390
	Positioning repeatability (mm)	±0.05					
Main parts	Motor	AC servomotor (100 W) with brake					
	Encoder	Incremental system					
	Lead screw	Rolled ball screw ø10 mm, 10 mm lead					
	Guide	Frame-type linear guide					
	Motor/Screw connection	With coupling					
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)					
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)					
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)					
Regenerative absorption unit		Refer to the selection guide below.					

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg) M_e : Allowable dynamic moment
 a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

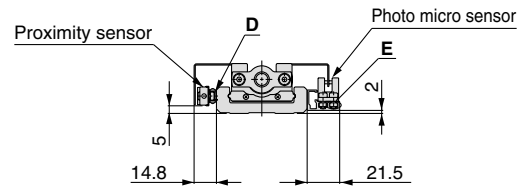
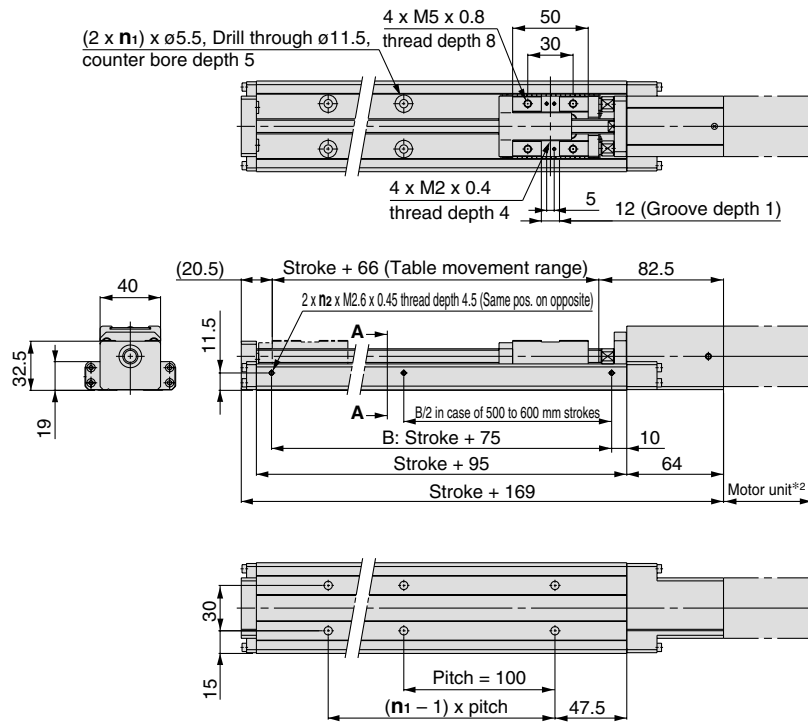
Regenerative Absorption Unit Selection Guide

Depending on operating conditions, a regenerative absorption unit or regenerative resistor may be required for a non-standard motor with vertical mount specification. How to determine regenerative energy is shown below.

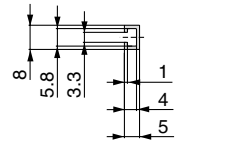
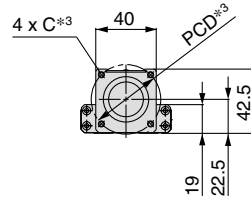
Regenerative energy = Motor coil energy consumption
 + Driver capacitor energy consumption (A)
 + Regenerative resistor energy consumption (B)

(A) and (B) vary depending on each motor and driver. Use of a regenerative absorption unit or regenerative resistor is recommended under any conditions when a vertical specification is used. Contact SMC for questions regarding selections.

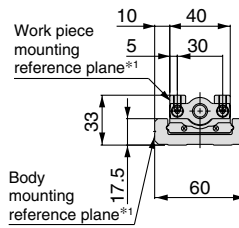
Dimensions/LTF6□E□NH(X10)



Section AA (Sensor mounting dimensions)



D section detail (Sensor rail dimensions)



Section AA

E section detail (Switch rail T-slot dimensions)

Model	Stroke	n ₁	n ₂
LTF6□E□NH-100K-□□-X10	100	2	2
LTF6□E□NH-200K-□□-X10	200	3	2
LTF6□E□NH-300K-□□-X10	300	4	2
LTF6□E□NH-400K-□□-X10	400	5	2
LTF6□E□NH-500K-□□-X10	500	6	3
LTF6□E□NH-600K-□□-X10	600	7	3

*1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.

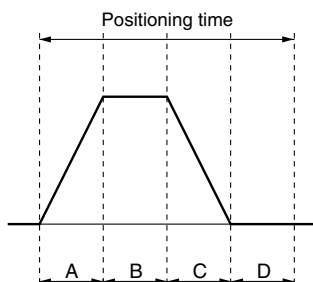
*2. For the motor dimensions, refer to "Non-standard Motor."

*3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.

Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	300	600
Speed (mm/s)	10	0.5	1.5	10.5	30.5	60.5
	100	0.5	0.6	1.5	3.5	6.5
	250	0.5	0.6	0.9	1.7	2.9
	500	0.5	0.6	0.8	1.2	1.8

* Values will vary slightly depending on the operating conditions.



A: Acceleration time
 B: Constant velocity time
 C: Deceleration time
 D: Resting time (0.4 sec.)*
 Maximum acceleration: 3000 mm/s²

* The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	100	HC-PQ13B	114.5

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

X□

D-□

E-MY

Non-standard Motor Vertical Mount Series LTF8

Motor Output
200_w

Ground Ball Screw
∅ 15 mm / 10 mm lead

How to Order

LTF8 **RF1** **PH** - **300** K - - X10

Stroke (mm)
For details, refer to page 813.

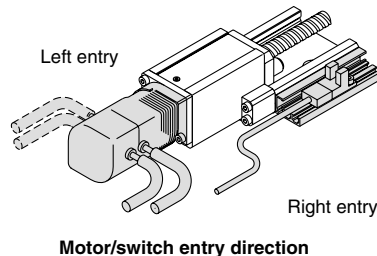
Switch specifications

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RF1	Mitsubishi Electric Corporation	HC-PQ23B	200 W	MR-C20A1	100/115 VAC
RF2				MR-C20A	200/230 VAC
RF0				—	—

* Motor/driver is included for RF1 and RF2.

Refer to page 826 for motor mounting dimensions.

Cable for joining motor and driver is optional.

Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

Cover specification

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (without motor) (kg)	3.4	4.3	5.1	6.0	6.8	7.7	8.5	9.4	10.2	11.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	10									
	Maximum speed (mm/s)	500						440	350	290	240
	Positioning repeatability (mm)	±0.02									
Main parts	Motor	AC servomotor (200 W) with brake									
	Encoder	Incremental system									
	Lead screw	Ground ball screw ø15 mm, 10 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)									
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)									
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)									
Regenerative absorption unit		Refer to the selection guide below.									

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

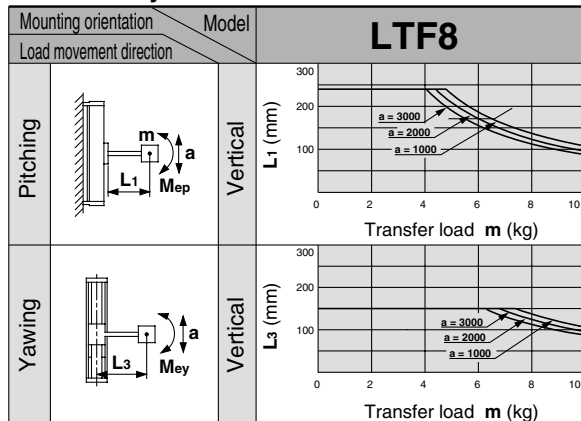
X□

D-□

E-MY

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg) M_e : Allowable dynamic moment
 a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Regenerative Absorption Unit Selection Guide

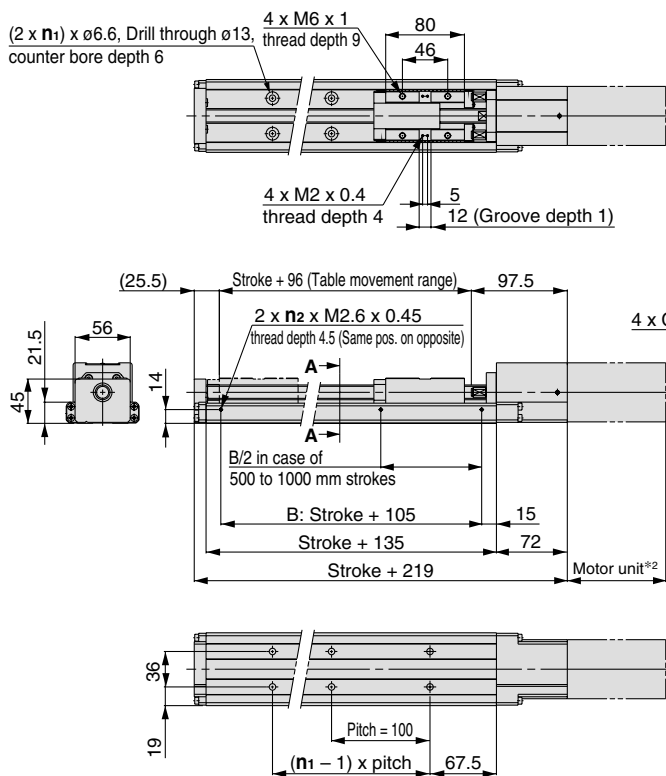
Depending on operating conditions, a regenerative absorption unit or regenerative resistor may be required for a non-standard motor with vertical mount specification. How to determine regenerative energy is shown below.

Regenerative energy = Motor coil energy consumption
 + Driver capacitor energy consumption (A)
 + Regenerative resistor energy consumption (B)

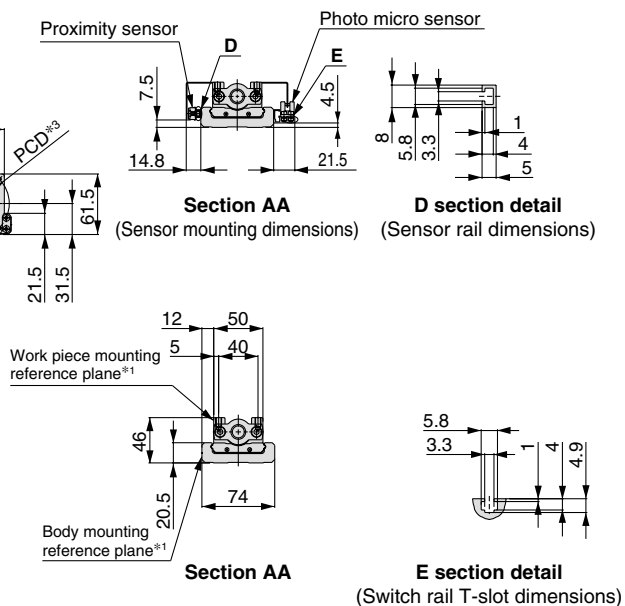
(A) and (B) vary depending on each motor and driver. Use of a regenerative absorption unit or regenerative resistor is recommended under any conditions when a vertical specification is used. Contact SMC for questions regarding selections.

Series LTF8

Dimensions/LTF8□F□PH(X10)



- *1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.
- *2. For the motor dimensions, refer to "Non-standard Motor."
- *3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.



Model	Stroke	n ₁	n ₂
LTF8□F□PH- 100K-□□-X10	100	2	2
LTF8□F□PH- 200K-□□-X10	200	3	2
LTF8□F□PH- 300K-□□-X10	300	4	2
LTF8□F□PH- 400K-□□-X10	400	5	2
LTF8□F□PH- 500K-□□-X10	500	6	3

Model	Stroke	n ₁	n ₂
LTF8□F□PH- 600K-□□-X10	600	7	3
LTF8□F□PH- 700K-□□-X10	700	8	3
LTF8□F□PH- 800K-□□-X10	800	9	3
LTF8□F□PH- 900K-□□-X10	900	10	3
LTF8□F□PH-1000K-□□-X10	1000	11	3

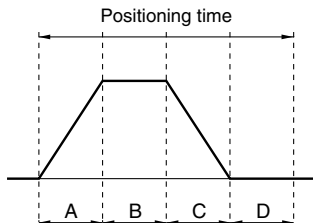
Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	250	0.6	0.7	1.0	2.6	4.6
	500	0.6	0.7	0.9	1.7	2.7

* Values will vary slightly depending on the operating conditions.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	200	HC-PQ23B	121



- A: Acceleration time
 - B: Constant velocity time
 - C: Deceleration time
 - D: Resting time (0.5 sec.)*
- Maximum acceleration: 3000 mm/s²
- * The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

Non-standard Motor Vertical Mount Series LTF8

Motor Output
200_w

Ground Ball Screw
∅ 15 mm/20 mm lead

How to Order

LTF8 **RF1** **PL** - **300** K - - X10

Stroke (mm)
For details, refer to page 816.

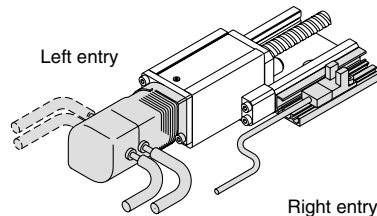
Switch specifications

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RF1	Mitsubishi Electric Corporation	HC-PQ23B	200 W	MR-C20A1	100/115 VAC
RF2				MR-C20A	200/230 VAC
RF0				—	—

* Motor/driver is included for RF1 and RF2.

Refer to page 826 for motor mounting dimensions.

Cable for joining motor and driver is optional.

Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

Cover specification

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

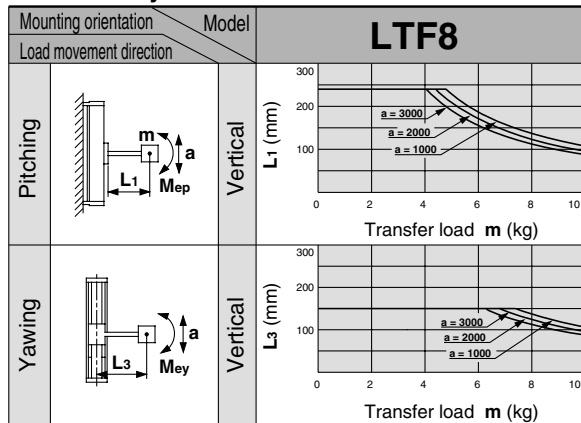
Series LTF8

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (without motor) (kg)	3.4	4.3	5.1	6.0	6.8	7.7	8.5	9.4	10.2	11.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	5									
	Maximum speed (mm/s)	1000						890	710	580	480
	Positioning repeatability (mm)	±0.02									
Main parts	Motor	AC servomotor (200 W) with brake									
	Encoder	Incremental system									
	Lead screw	Ground ball screw ø15 mm, 20 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)									
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)									
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)									
Regenerative absorption unit		Refer to the selection guide below.									

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg) M_e : Allowable dynamic moment
 a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)
 Refer to page 827 for deflection data.

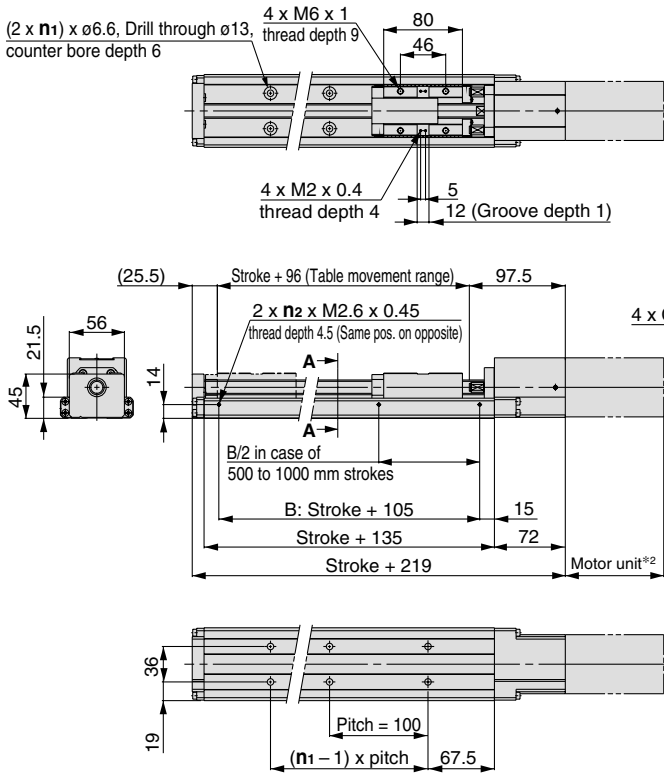
Regenerative Absorption Unit Selection Guide

Depending on operating conditions, a regenerative absorption unit or regenerative resistor may be required for a non-standard motor with vertical mount specification. How to determine regenerative energy is shown below.

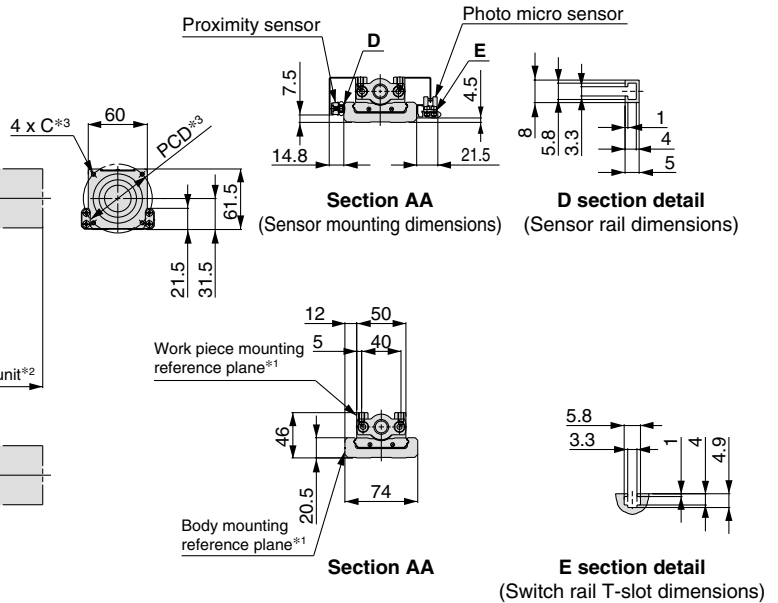
Regenerative energy = Motor coil energy consumption
 + Driver capacitor energy consumption (A)
 + Regenerative resistor energy consumption (B)

(A) and (B) vary depending on each motor and driver. Use of a regenerative absorption unit or regenerative resistor is recommended under any conditions when a vertical specification is used. Contact SMC for questions regarding selections.

Dimensions/LTF8□F□PL(X10)



- *1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.
- *2. For the motor dimensions, refer to "Non-standard Motor."
- *3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.



Model	Stroke	n ₁	n ₂
LTF8□F□PL- 100K-□□-X10	100	2	2
LTF8□F□PL- 200K-□□-X10	200	3	2
LTF8□F□PL- 300K-□□-X10	300	4	2
LTF8□F□PL- 400K-□□-X10	400	5	2
LTF8□F□PL- 500K-□□-X10	500	6	3

Model	Stroke	n ₁	n ₂
LTF8□F□PL- 600K-□□-X10	600	7	3
LTF8□F□PL- 700K-□□-X10	700	8	3
LTF8□F□PL- 800K-□□-X10	800	9	3
LTF8□F□PL- 900K-□□-X10	900	10	3
LTF8□F□PL-1000K-□□-X10	1000	11	3

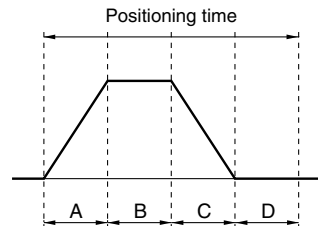
Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	500	0.6	0.7	0.9	1.7	2.7
	1000	0.6	0.7	0.9	1.4	1.9

* Values will vary slightly depending on the operating conditions.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	200	HC-PQ23B	121



- A: Acceleration time
 - B: Constant velocity time
 - C: Deceleration time
 - D: Resting time (0.5 sec.)*
- Maximum acceleration: 3000 mm/s²
- * The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

- LJ1
- LG1
- LTF**
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6□
- LZ□
- LC3F2
- X□
- D-□
- E-MY

Non-standard Motor Vertical Mount Series LTF8

Motor Output
200_w

Rolled Ball Screw
∅ 15 mm / 10 mm lead

How to Order

LTF8 **RF1** **NH** - **300** K - - X10

Stroke (mm)
For details, refer to page 819.

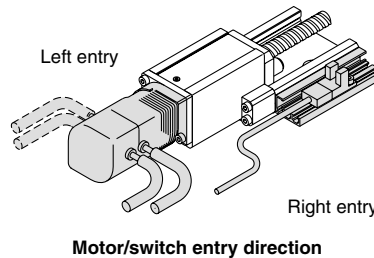
Switch specifications

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RF1	Mitsubishi Electric Corporation	HC-PQ23B	200 W	MR-C20A1	100/115 VAC
RF2				MR-C20A	200/230 VAC
RF0				—	—

* Motor/driver is included for RF1 and RF2.

Refer to page 826 for motor mounting dimensions.

Cable for joining motor and driver is optional.

Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

Cover specification

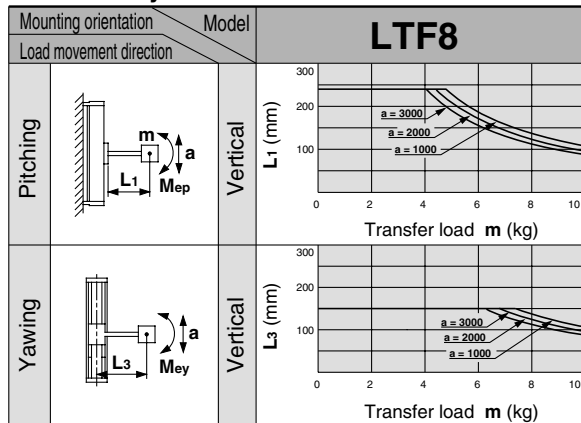
Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (without motor) (kg)	3.4	4.3	5.1	6.0	6.8	7.7	8.5	9.4	10.2	11.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	10									
	Maximum speed (mm/s)	500						440	350	290	240
	Positioning repeatability (mm)	±0.05									
Main parts	Motor	AC servomotor (200 W) with brake									
	Encoder	Incremental system									
	Lead screw	Rolled ball screw ø15 mm, 10 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)									
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)									
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)									
Regenerative absorption unit		Refer to the selection guide below.									

- LJ1
- LG1
- LTF**
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6□
- LZ□
- LC3F2
- X□
- D-□
- E-MY

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg) M_e : Allowable dynamic moment
 a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)

Refer to page 827 for deflection data.

Regenerative Absorption Unit Selection Guide

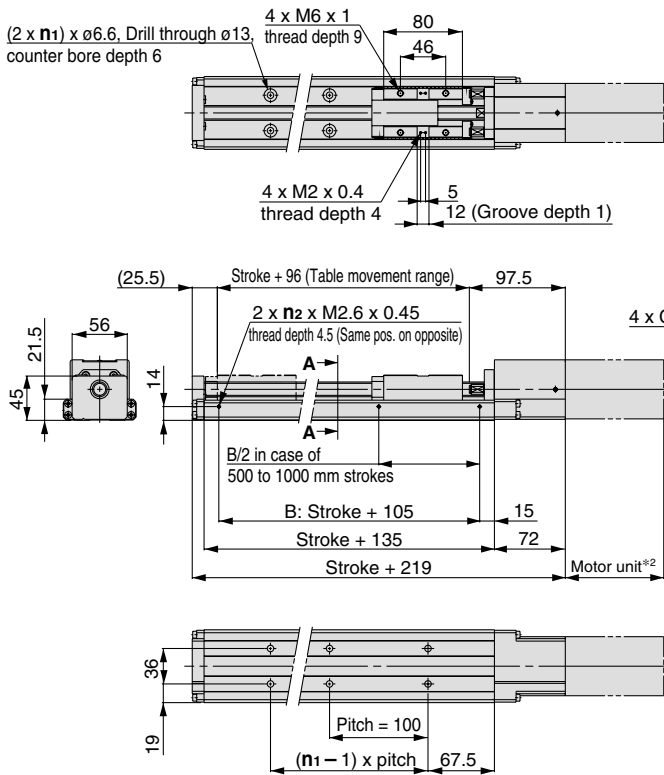
Depending on operating conditions, a regenerative absorption unit or regenerative resistor may be required for a non-standard motor with vertical mount specification. How to determine regenerative energy is shown below.

$$\begin{aligned} \text{Regenerative energy} = & \text{Motor coil energy consumption} \\ & + \text{Driver capacitor energy consumption (A)} \\ & + \text{Regenerative resistor energy consumption (B)} \end{aligned}$$

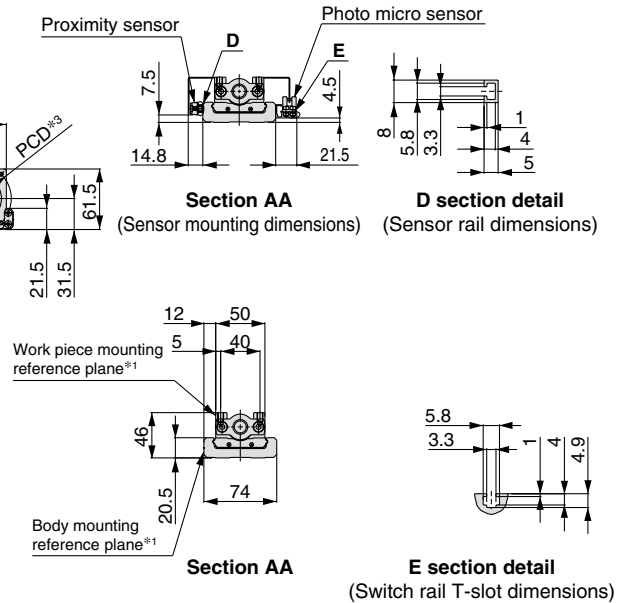
(A) and (B) vary depending on each motor and driver. Use of a regenerative absorption unit or regenerative resistor is recommended under any conditions when a vertical specification is used. Contact SMC for questions regarding selections.

Series LTF8

Dimensions/LTF8□F□NH(X10)



- *1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.
- *2. For the motor dimensions, refer to "Non-standard Motor."
- *3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.



Model	Stroke	n1	n2
LTF8□F□NH- 100K-□□-X10	100	2	2
LTF8□F□NH- 200K-□□-X10	200	3	2
LTF8□F□NH- 300K-□□-X10	300	4	2
LTF8□F□NH- 400K-□□-X10	400	5	2
LTF8□F□NH- 500K-□□-X10	500	6	3

Model	Stroke	n1	n2
LTF8□F□NH- 600K-□□-X10	600	7	3
LTF8□F□NH- 700K-□□-X10	700	8	3
LTF8□F□NH- 800K-□□-X10	800	9	3
LTF8□F□NH- 900K-□□-X10	900	10	3
LTF8□F□NH-1000K-□□-X10	1000	11	3

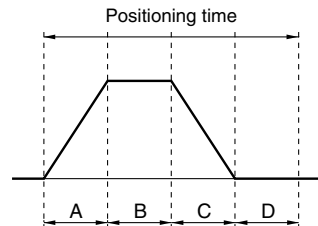
Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	250	0.6	0.7	1.0	2.6	4.6
	500	0.6	0.7	0.9	1.7	2.7

* Values will vary slightly depending on the operating conditions.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	200	HC-PQ23B	121



- A: Acceleration time
 - B: Constant velocity time
 - C: Deceleration time
 - D: Resting time (0.5 sec.)*
- Maximum acceleration: 3000 mm/s²
- * The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

Non-standard Motor Vertical Mount Series LTF8

Motor Output
200_w

Rolled Ball Screw
∅ 15 mm/20 mm lead

How to Order

LTF8 **RF1** **NL** - **300** K - - X10

Stroke (mm)
For details, refer to page 822.

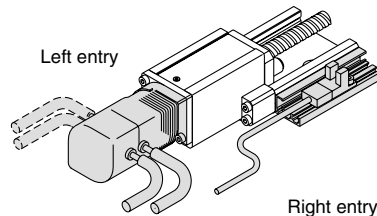
Switch specifications

Nil	Without switch and switch rail
1	Photo micro sensor 1 pc., Photo micro sensor rail 1 pc.
2	Photo micro sensor 2 pcs., Photo micro sensor rail 1 pc.
3	Photo micro sensor 3 pcs., Photo micro sensor rail 1 pc.
4	Proximity switch (A contact) 1 pc., Proximity switch rail 1 pc.
5	Proximity switch (A contact) 2 pcs., Proximity switch rail 1 pc.
6	Proximity switch (B contact) 2 pcs., Proximity switch rail 1 pc.
7	Proximity switch (A contact) 1 pc., (B contact) 2 pcs., Proximity switch rail 1 pc.
A	Photo micro sensor rail 1 pc.
B	Proximity switch rail 1 pc.

* Dog fittings for switch are attached to all types except type "Nil".

Motor/switch entry direction

Nil	Without motor, switch and switch rail
R	Motor straight, motor cable, switch and switch rail located on the right
L	Motor straight, motor cable, switch and switch rail located on the left



Motor/switch entry direction

Motor specification

Symbol	Motor manufacturer	Motor model	Motor output	Compatible driver model	Power supply voltage
RF1	Mitsubishi Electric Corporation	HC-PQ23B	200 W	MR-C20A1	100/115 VAC
RF2				MR-C20A	200/230 VAC
RF0				—	—

* Motor/driver is included for RF1 and RF2.

Refer to page 826 for motor mounting dimensions.

Cable for joining motor and driver is optional.

Refer to page 659 for part nos.

Please contact individual motor manufacturers regarding motor/driver specifications or other details.



Made to order specifications
(For details, refer to page 999)

Cover specification

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY

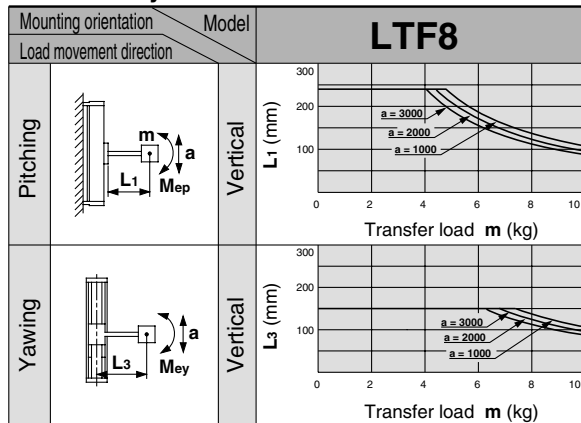
Series LTF8

Specifications

Standard stroke (mm)		100	200	300	400	500	600	700	800	900	1000
Performance	Body mass (without motor) (kg)	3.4	4.3	5.1	6.0	6.8	7.7	8.5	9.4	10.2	11.1
	Operating temperature range (°C)	5 to 40 (No condensation)									
	Work load (kg)	5									
	Maximum speed (mm/s)	1000						890	710	580	480
	Positioning repeatability (mm)	±0.05									
Main parts	Motor	AC servomotor (200 W) with brake									
	Encoder	Incremental system									
	Lead screw	Rolled ball screw ø15 mm, 20 mm lead									
	Guide	Frame-type linear guide									
	Motor/Screw connection	With coupling									
Switch	Model	Photo micro sensor EE-SX674 (Refer to page 1083 for details.)									
		Proximity switch GXL-N12FT (A contact) (Refer to page 1080 for details.)									
		Proximity switch GXL-N12FTB (B contact) (Refer to page 1080 for details.)									
Regenerative absorption unit		Refer to the selection guide below.									

Allowable Moment (N·m)

Allowable dynamic moment



m : Transfer load (kg) M_e : Allowable dynamic moment
 a : Work piece acceleration (mm/s²) L : Overhang to work piece center of gravity (mm)
 Refer to page 827 for deflection data.

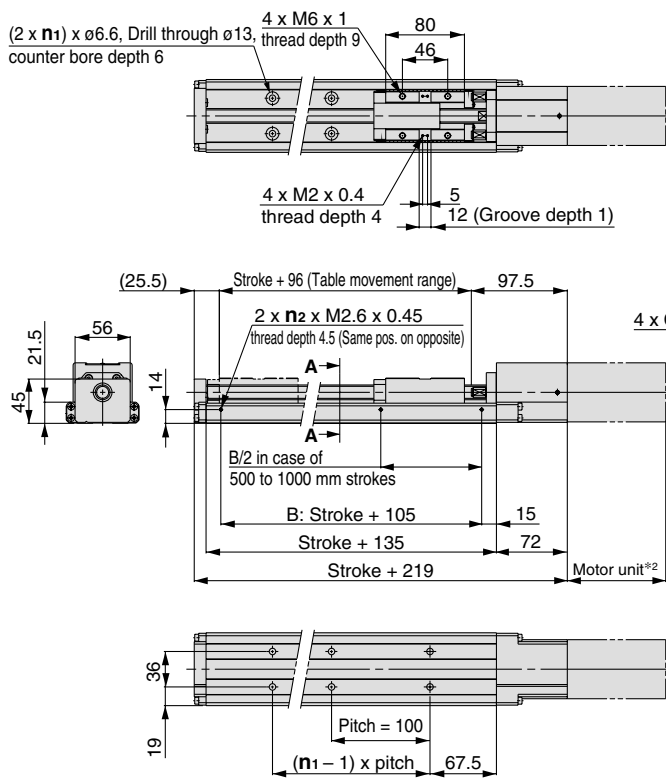
Regenerative Absorption Unit Selection Guide

Depending on operating conditions, a regenerative absorption unit or regenerative resistor may be required for a non-standard motor with vertical mount specification. How to determine regenerative energy is shown below.

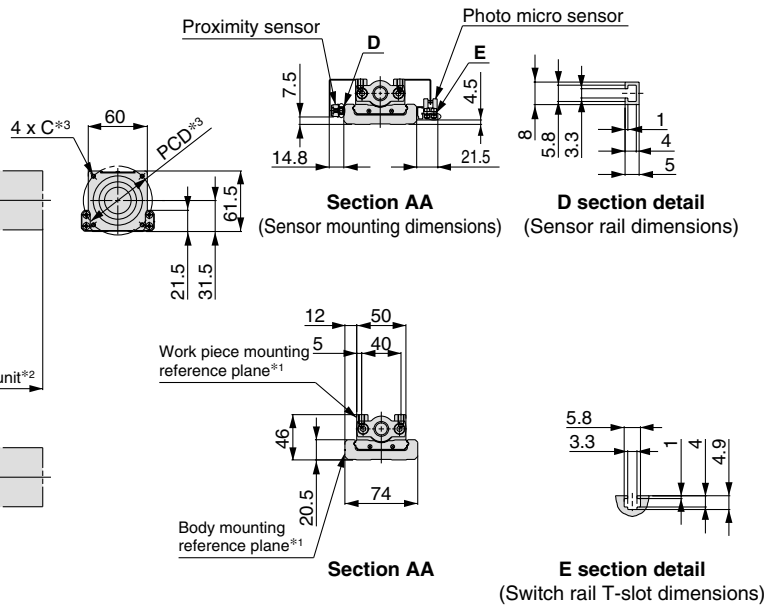
Regenerative energy = Motor coil energy consumption
 + Driver capacitor energy consumption (A)
 + Regenerative resistor energy consumption (B)

(A) and (B) vary depending on each motor and driver. Use of a regenerative absorption unit or regenerative resistor is recommended under any conditions when a vertical specification is used. Contact SMC for questions regarding selections.

Dimensions/LTF8□F□NL(X10)



- *1. The body and work piece mounting reference planes are to be used as guidelines for equipment mounting. Refer to page 825 for the mounting procedure.
- *2. For the motor dimensions, refer to "Non-standard Motor."
- *3. For the dimensions of the motor mounting position, refer to the dimensions on page 826 for the guidelines for assembly and designing.



Model	Stroke	n ₁	n ₂
LTF8□F□NL- 100K-□□-X10	100	2	2
LTF8□F□NL- 200K-□□-X10	200	3	2
LTF8□F□NL- 300K-□□-X10	300	4	2
LTF8□F□NL- 400K-□□-X10	400	5	2
LTF8□F□NL- 500K-□□-X10	500	6	3

Model	Stroke	n ₁	n ₂
LTF8□F□NL- 600K-□□-X10	600	7	3
LTF8□F□NL- 700K-□□-X10	700	8	3
LTF8□F□NL- 800K-□□-X10	800	9	3
LTF8□F□NL- 900K-□□-X10	900	10	3
LTF8□F□NL-1000K-□□-X10	1000	11	3

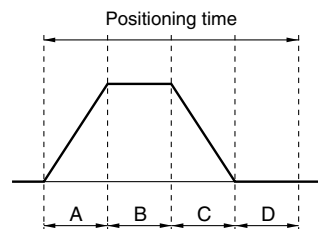
Positioning Time Guide

		Positioning time (sec.)				
		1	10	100	500	1000
Speed (mm/s)	10	0.6	1.6	10.6	50.6	100.6
	100	0.6	0.7	1.6	5.6	10.6
	500	0.6	0.7	0.9	1.7	2.7
	1000	0.6	0.7	0.9	1.4	1.9

* Values will vary slightly depending on the operating conditions.

Non-standard Motors: The following motors will be mounted when a motor mounted type is specified.

	Motor output (W)	Motor model	Motor dimension (mm)
Mitsubishi Electric Corporation	200	HC-PQ23B	121



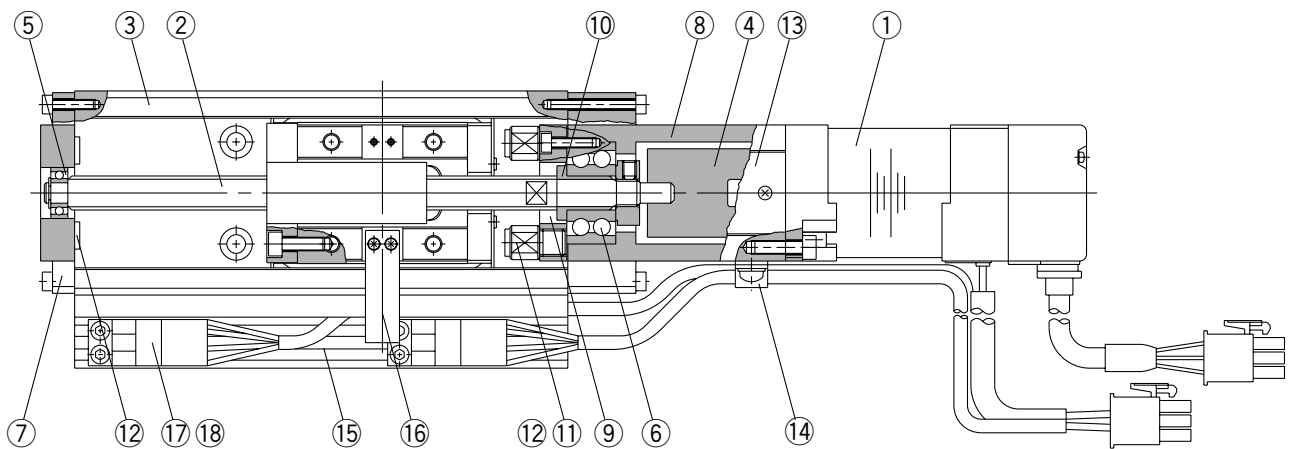
- A: Acceleration time
 - B: Constant velocity time
 - C: Deceleration time
 - D: Resting time (0.5 sec.)*
- Maximum acceleration: 3000 mm/s²
- * The value is a guide when SMC's series LC1 controller is used and may vary depending on the driver capacity.

- LJ1
- LG1
- LTF**
- LC1
- LC7
- LC8
- LXF
- LXP
- LXS
- LC6□
- LZ□
- LC3F2
- X□
- D-□
- E-MY

Series LTF Construction

Construction

LTF6/LTF8



Parts list

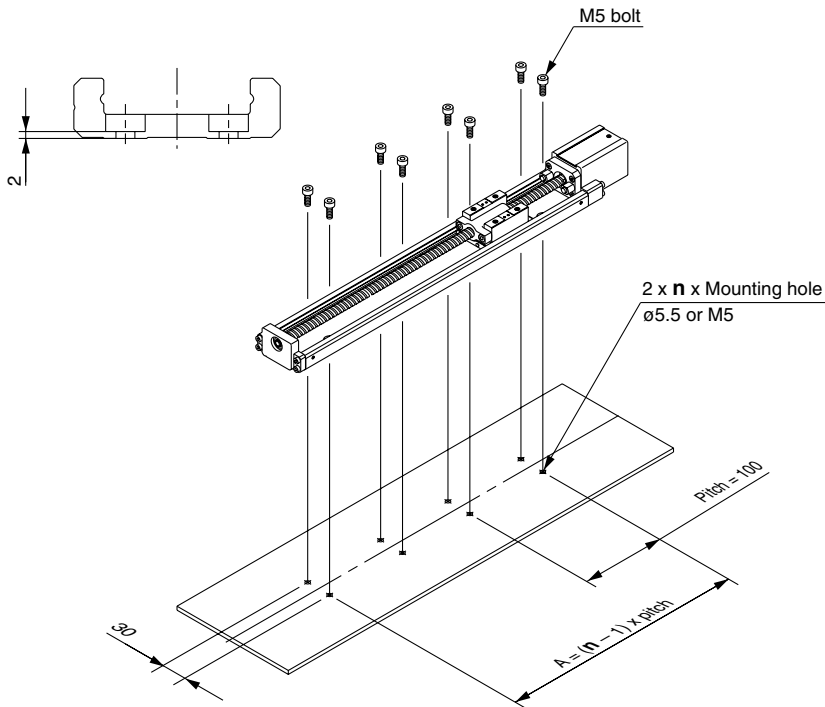
No.	Description	Material	Note
1	AC servomotor	—	100/200 W
2	Lead screw	—	Ball screw
3	Frame-type linear guide	—	
4	Coupling	—	
5	Bearing R	—	
6	Bearing F	—	
7	Housing A	Aluminum alloy	
8	Housing B	Aluminum alloy	
9	Bearing retainer	Carbon steel	

No.	Description	Material	Note
10	Spacer	Stainless steel	
11	Bumper bolt	Alloy steel	
12	Bumper	Resin	
13	Housing plate	Mild steel	
14	Cable clip	Resin	
15	Photo micro sensor rail	Aluminum alloy	
16	Dog fitting for switch	Mild steel	Chromate
17	Photo micro sensor		
18	Connector cable for sensor		

Series LTF Mounting

Top Mount

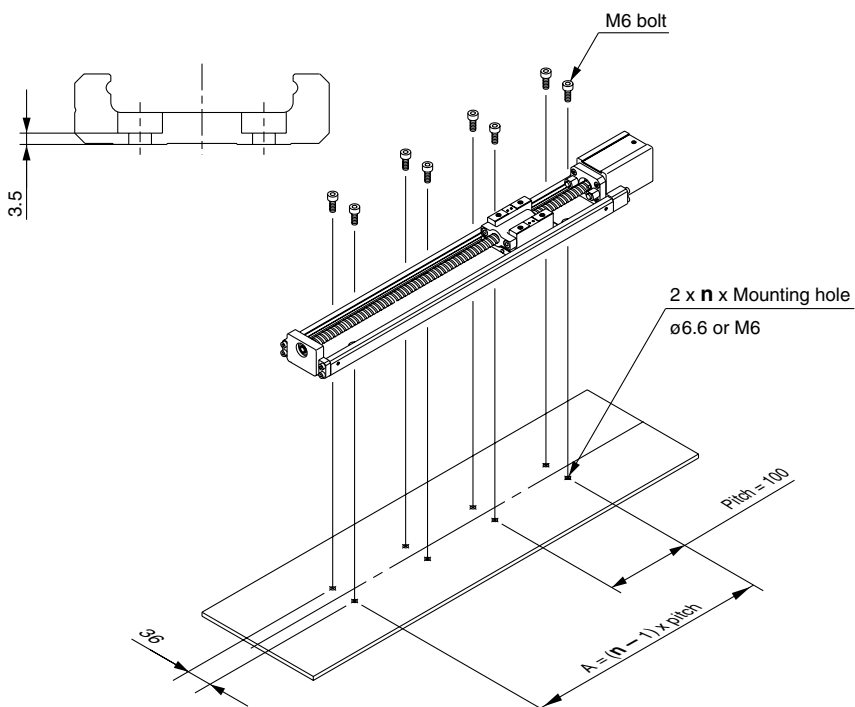
LTF6



Mounting hole quantity

Stroke	n	Quantity
100	2	4
200	3	6
300	4	8
400	5	10
500	6	12
600	7	14

LTF8



Mounting hole quantity

Stroke	n	Quantity	Stroke	n	Quantity
100	2	4	600	7	14
200	3	6	700	8	16
300	4	8	800	9	18
400	5	10	900	10	20
500	6	12	1000	11	22

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6□

LZ□

LC3F2

X□

D-□

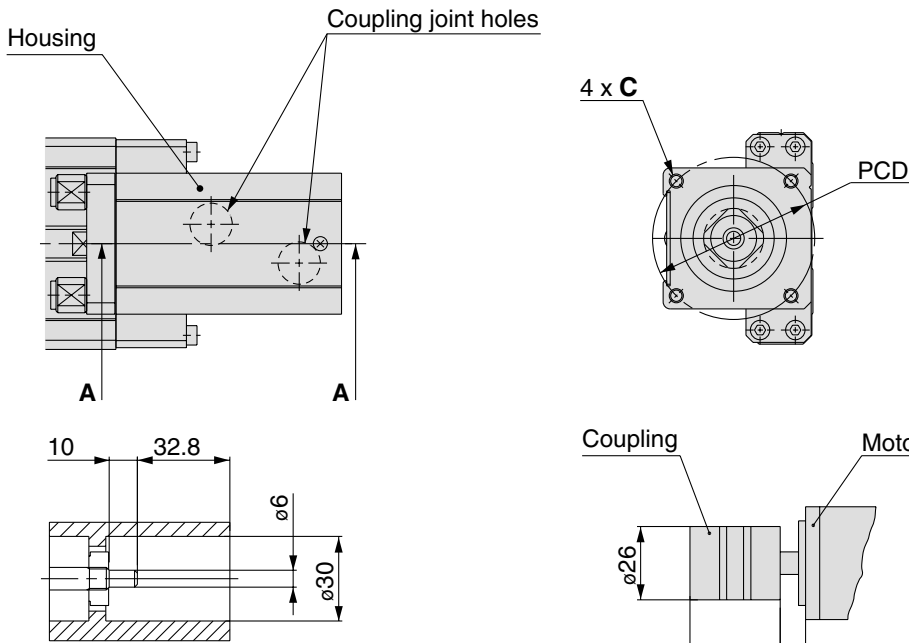
E-MY

Series LTF

Non-standard Motor Mounting Dimensions

Non-standard Motor Mounting Dimensions

LTF6



Section AA (Housing interior)

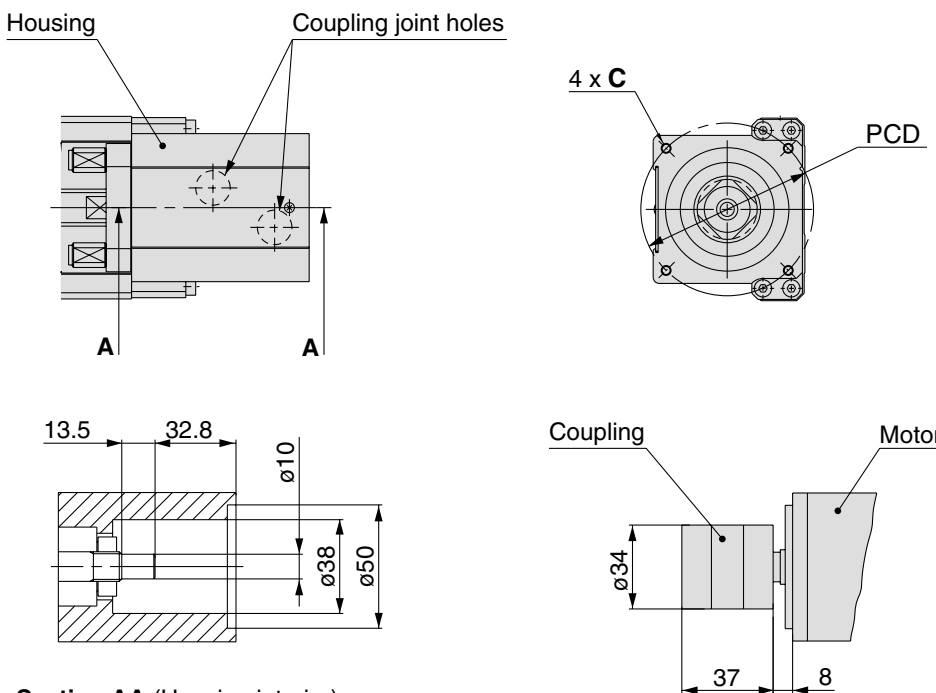
Coupling mounting dimensions*

Motor mounting area dimensions

Manufacturer	Mitsubishi Electric Corporation
C (Thread size)	M4 x 0.7
Effective thread length (mm)	8
Quantity	2
P.C.D.	46

* When mounting a coupling on the motor, mount it within the dimensional range shown on the left.

LTF8



Section AA (Housing interior)

Coupling mounting dimensions*

Motor mounting area dimensions

Manufacturer	Mitsubishi Electric Corporation
C (Thread size)	M5 x 0.8
Effective thread length (mm)	10
Quantity	4
P.C.D.	70

* When mounting a coupling on the motor, mount it within the dimensional range shown on the left.

Series LTF

Deflection Data

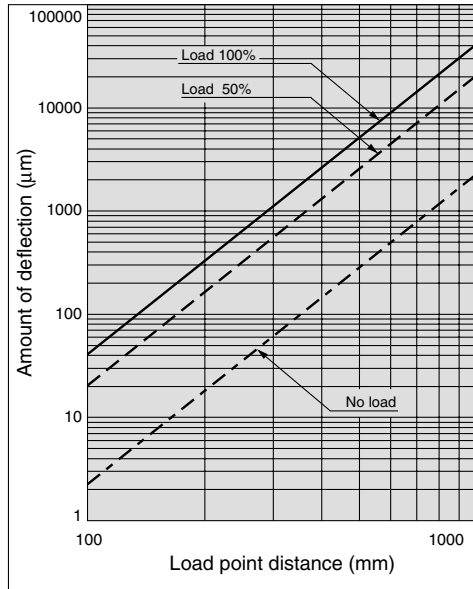
Deflection Data

* Calculated values based on the body's sectional secondary moment.

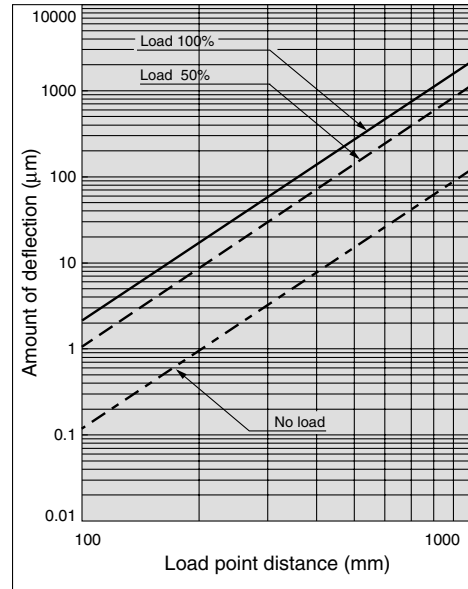
The load and the amount of deflection at load point W are shown in the graphs below for each series.

LTF6

Horizontal

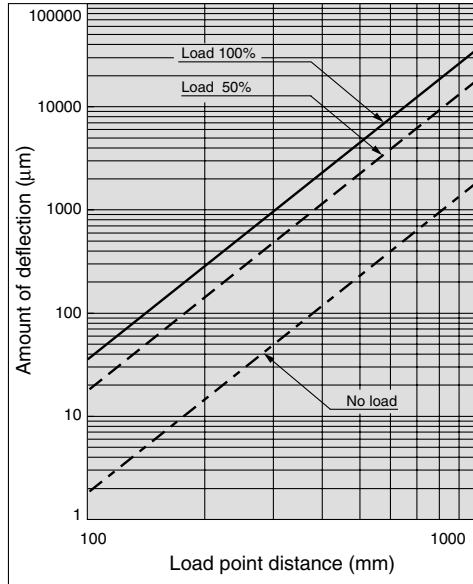


Lateral

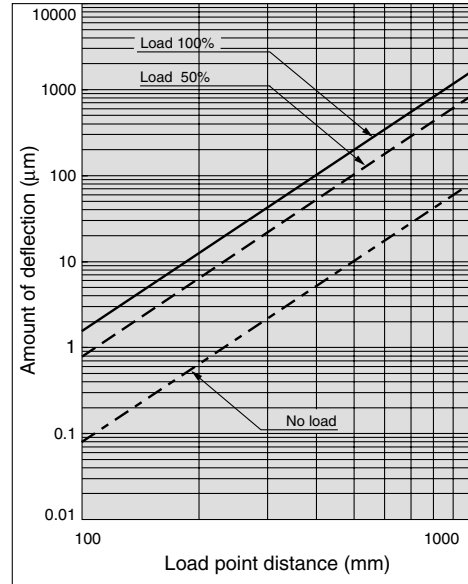


LTF8

Horizontal



Lateral



With single end support and table moved to the end of the stroke

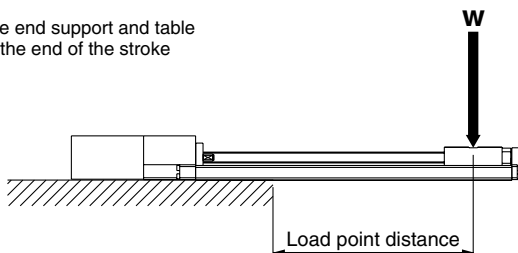


Figure 1. Horizontal

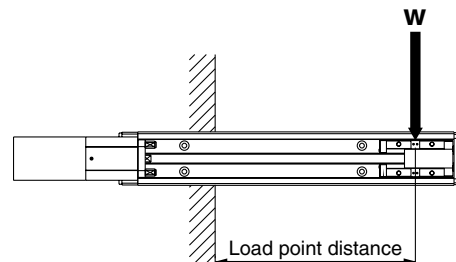


Figure 2. Lateral

LJ1

LG1

LTF

LC1

LC7

LC8

LXF

LXP

LXS

LC6

LZ

LC3F2

X

D-

E-MY