

EBS-04LE

Straight motor mounting

● Servo motor size: 50 W

RoHS

How to order

EBS - 04 L E - 06 0300 N NN - M H N N

A Body size
04 Body width 44 mm

B Motor
L None

C Motor mounting direction
E Straight mounting

D Screw lead
06 6 mm
12 12 mm

E Stroke length
0050 50 mm
to 0500 (In 50 mm increments) 500 mm

F Brake
N None

G Mounted motor specification
M
Y Select the mounted motor specification from the table at right.
P
F

H Motor size
H 50 W

I Origin sensor *1
N None
C Yes

J Limit sensor *1
N None
B Yes

Manufacturer	50 W
Mitsubishi Electric Corporation	M
Delta Electronics Co., Ltd.	M
Sanyo Denki Co., Ltd.	M
YASKAWA Electric Corporation	Y
Keyence Corporation	Y
Panasonic Corporation	P
OMRON Corporation	M
Fuji Electric Co., Ltd.	M
FANUC CORPORATION	F
Bosch Rexroth AG	P
Rockwell Automation, Inc.	M
SIEMENS AG	M

*1 Origin sensor and limit sensor are available as a set. As it is both-or-nothing, select "None" for both.

*Refer to page 7 for the motor model No.

Specifications

Applicable motor sizes	50 W servo motor	
Drive method	Ball screw $\phi 10$	
Stroke length mm	50 to 500	
Screw lead mm	6	12
Max. load capacity kg *1	Horizontal 20	Vertical 12
	5	2
Max. speed mm/s	300	600
Rated thrust *1 N	141	71
Repeatability mm	± 0.01	
Lost motion mm	0.1 or less	
Static allowable load N	1030	
Static allowable moment N·m	MP: 62, MY: 62, MR: 92	
Operating ambient temperature, humidity	0 to 40°C (no freezing) 35 to 80% RH (no condensation)	
Storage ambient temperature, humidity	-10 to 50°C (no freezing) 35 to 80% RH (no condensation)	
Atmosphere	No corrosive gas, explosive gas, or dust	

*1 Rated thrust and max. load capacity are guideline values assuming that the motor mounted will output the rated torque.

Stroke and max. speed

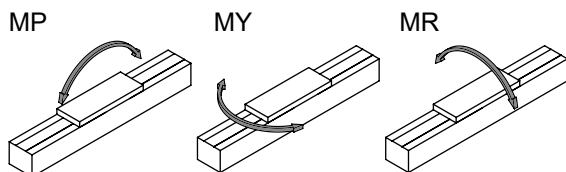
(mm/s)	
Stroke length	50 to 500
Screw lead	
6	300
12	600

*Max. speed is when the motor mounted by the customer can output rotation speed of 3000 rpm.
The max. speed is restricted by the stroke. Do not move at speeds beyond the limit.

Allowable overhang length

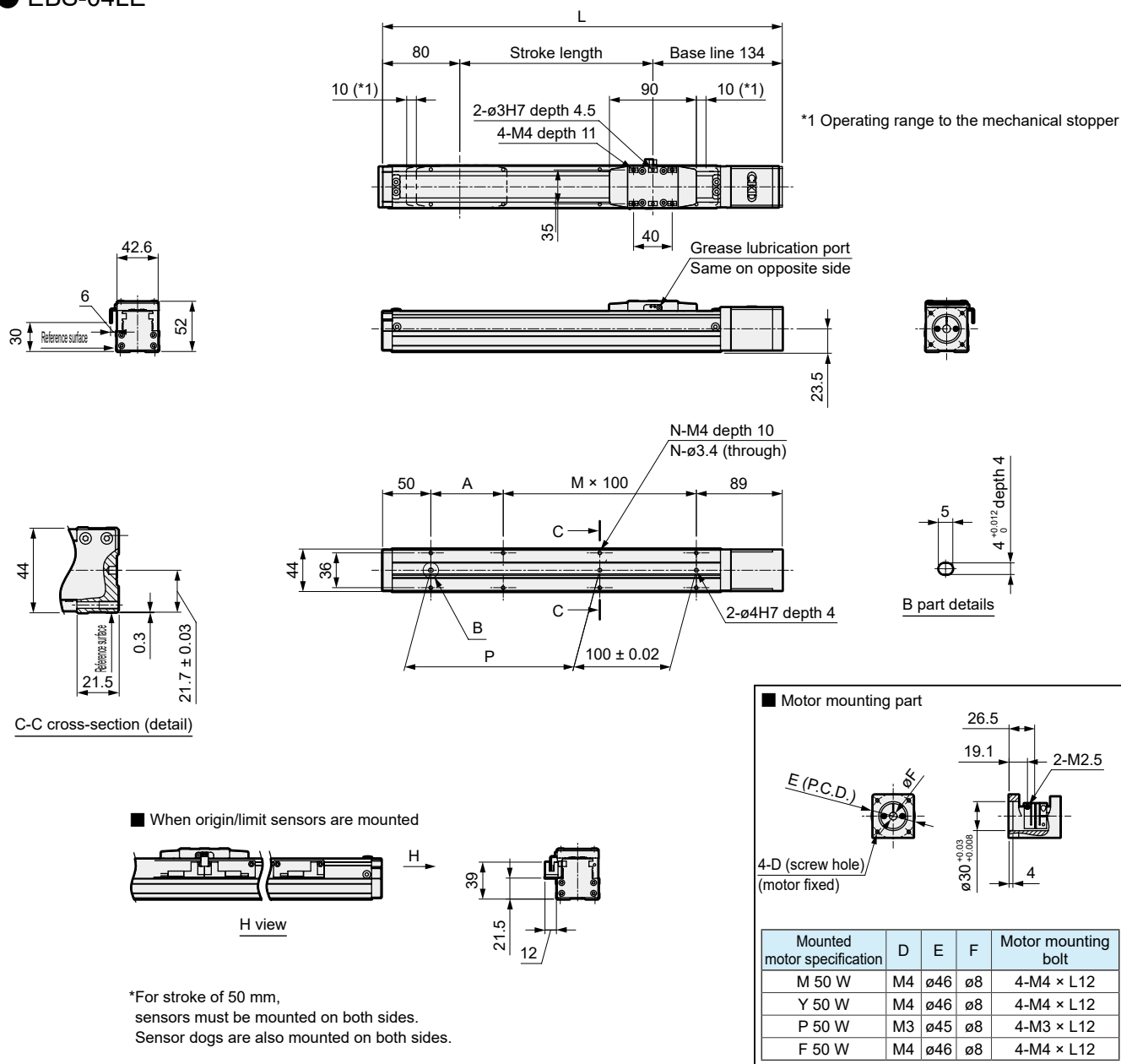
*Refer to page 34 for details.

Moment direction



Dimensions Straight motor mounting

● EBS-04LE



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500
L	264	314	364	414	464	514	564	614	664	714
A	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5
N	6	6	8	8	10	10	12	12	14	14
P	25	75	125	175	225	275	325	375	425	475
Weight (kg)	1.0	1.1	1.3	1.5	1.7	1.8	2.0	2.2	2.4	2.6

List of attachments

[Motor mounting parts]

Mounted motor specification	Coupling	Motor mounting bolt	
		Size	Quantity
M	Assembled at shipment	M4	4
Y		M4	4
P		M3	4
F		M4	4

[Origin sensor, limit sensor]

Sensor		
Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

*Refer to page 42 for sensor specifications.

Electric actuator (motorless) Slider

EBS-04L*

Motor side mounting (left, right, bottom)

● Servo motor size: 50 W

RoHS

How to order

EBS - 04 L R - 06 0300 N NN - M H N N

A Body size
04 Body width 44 mm

B Motor
L None

C Motor mounting direction
R Right mounting
D Bottom mounting
L Left mounting

D Screw lead
06 6 mm
12 12 mm

E Stroke length
0050 50 mm
to 0500 (In 50 mm increments) 500 mm

F Brake
N None

G Mounted motor specification
M Select the mounted motor specification from the table at right.
Y
P
F

H Motor size
H 50 W

I Origin sensor *1
N None
C Yes

J Limit sensor *1
N None
B Yes

Manufacturer	50 W
Mitsubishi Electric Corporation	M
Delta Electronics Co., Ltd.	M
Sanyo Denki Co., Ltd.	M
YASKAWA Electric Corporation	Y
Keyence Corporation	Y
Panasonic Corporation	P
OMRON Corporation	M
Fuji Electric Co., Ltd.	M
FANUC CORPORATION	F
Bosch Rexroth AG	P
Rockwell Automation, Inc.	M
SIEMENS AG	M

*1 Origin sensor and limit sensor are available as a set. As it is both-or-nothing, select "None" for both.

*Refer to page 7 for the motor model No.

Specifications

Applicable motor sizes	50 W servo motor	
Drive method	Ball screw $\phi 10$	
Stroke length mm	50 to 500	
Screw lead mm	6	12
Max. load capacity kg *1	Horizontal 20	Vertical 12
	5	2
Max. speed mm/s	300	600
Rated thrust *1 N	141	71
Repeatability mm	± 0.01	
Lost motion mm	0.1 or less	
Static allowable load N	1030	
Static allowable moment N·m	MP: 62, MY: 62, MR: 92	
Operating ambient temperature, humidity	0 to 40°C (no freezing) 35 to 80% RH (no condensation)	
Storage ambient temperature, humidity	-10 to 50°C (no freezing) 35 to 80% RH (no condensation)	
Atmosphere	No corrosive gas, explosive gas, or dust	

*1 Rated thrust and max. load capacity are guideline values assuming that the motor mounted will output the rated torque.

Stroke and max. speed

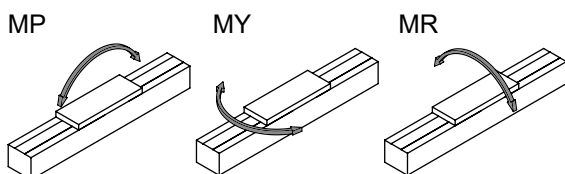
(mm/s)	
Stroke length	50 to 600
Screw lead	
6	300
12	600

*Max. speed is when the motor mounted by the customer can output rotation speed of 3000 rpm.
The max. speed is restricted by the stroke. Do not move at speeds beyond the limit.

Allowable overhang length

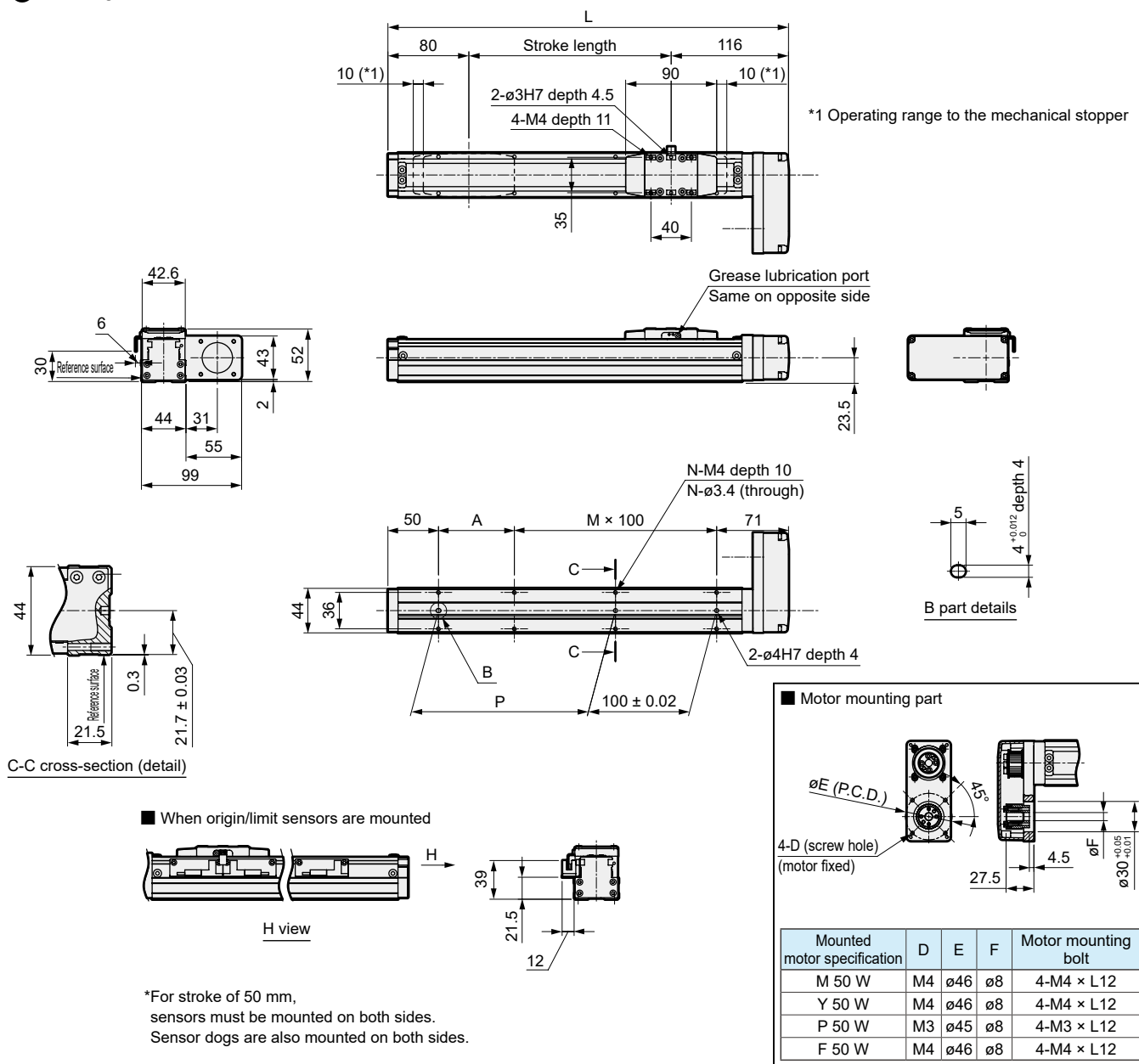
*Refer to page 34 for details.

Moment direction



Dimensions Motor right-side mounting

● EBS-04LR



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500
L	246	296	346	396	446	496	546	596	646	696
A	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5
N	6	6	8	8	10	10	12	12	14	14
P	25	75	125	175	225	275	325	375	425	475
Weight (kg)	1.0	1.2	1.4	1.7	1.8	1.9	2.1	2.3	2.5	2.7

List of attachments

[Motor mounting parts]

Mounted motor specification	Timing belt, pulley	Motor mounting bolt	
		Size	Quantity
M	Included at shipment	M4	4
Y		M4	4
P		M3	4
F		M4	4

[Origin sensor, limit sensor]

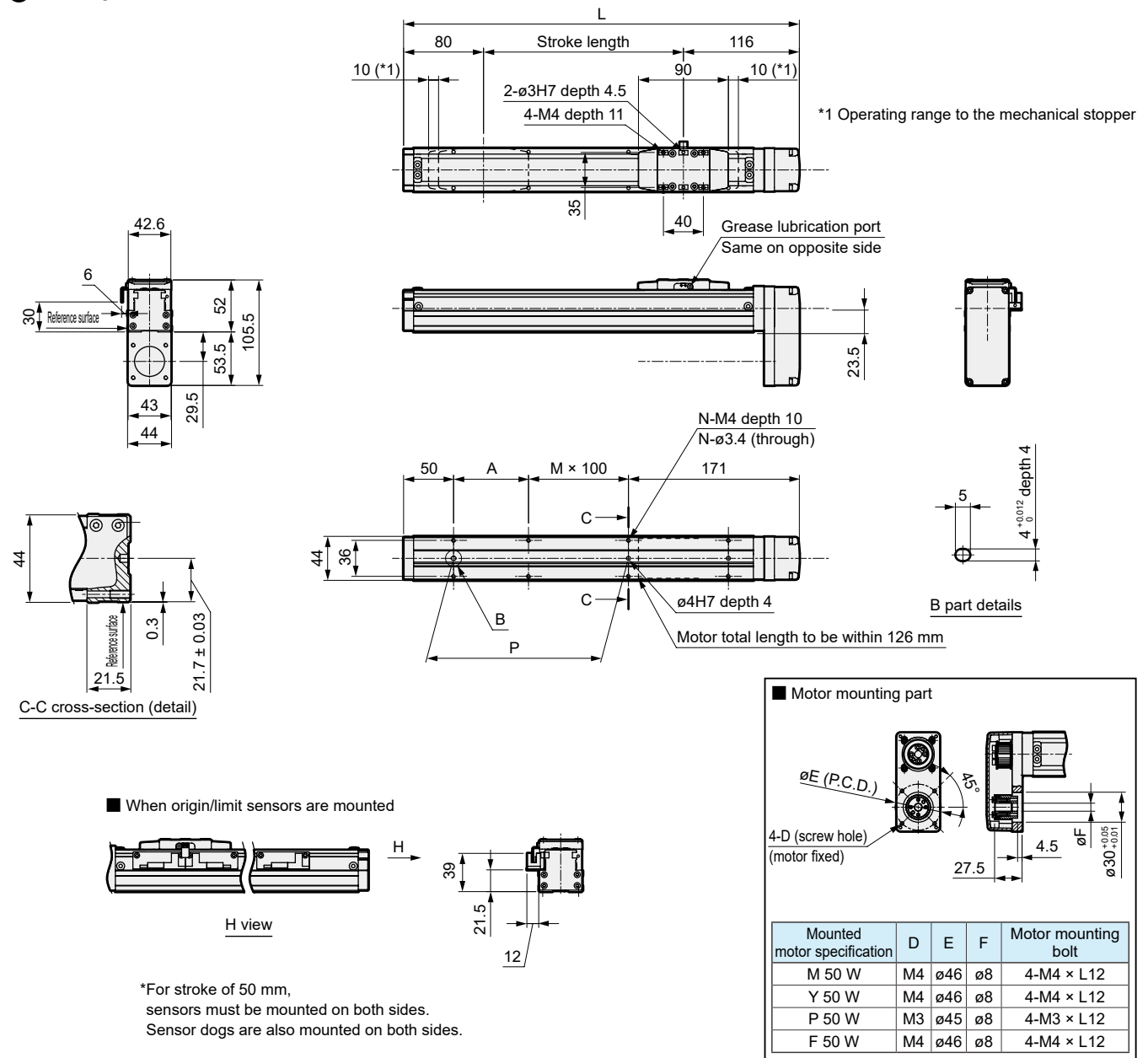
Sensor		
Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

*Refer to page 42 for sensor specifications.

EBS-04L*

Dimensions Motor bottom mounting

● EBS-04LD



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500
L	246	296	346	396	446	496	546	596	646	696
A	25	75	25	75	25	75	25	75	25	75
M	0	0	1	1	2	2	3	3	4	4
N	4	4	6	6	8	8	10	10	12	12
P	25	75	125	175	225	275	325	375	425	475
Weight (kg)	1.0	1.2	1.4	1.7	1.8	1.9	2.1	2.3	2.5	2.7

List of attachments

[Motor mounting parts]

Mounted motor specification	Timing belt, pulley	Motor mounting bolt	
		Size	Quantity
M	Included at shipment	M4	4
Y		M4	4
P		M3	4
F		M4	4

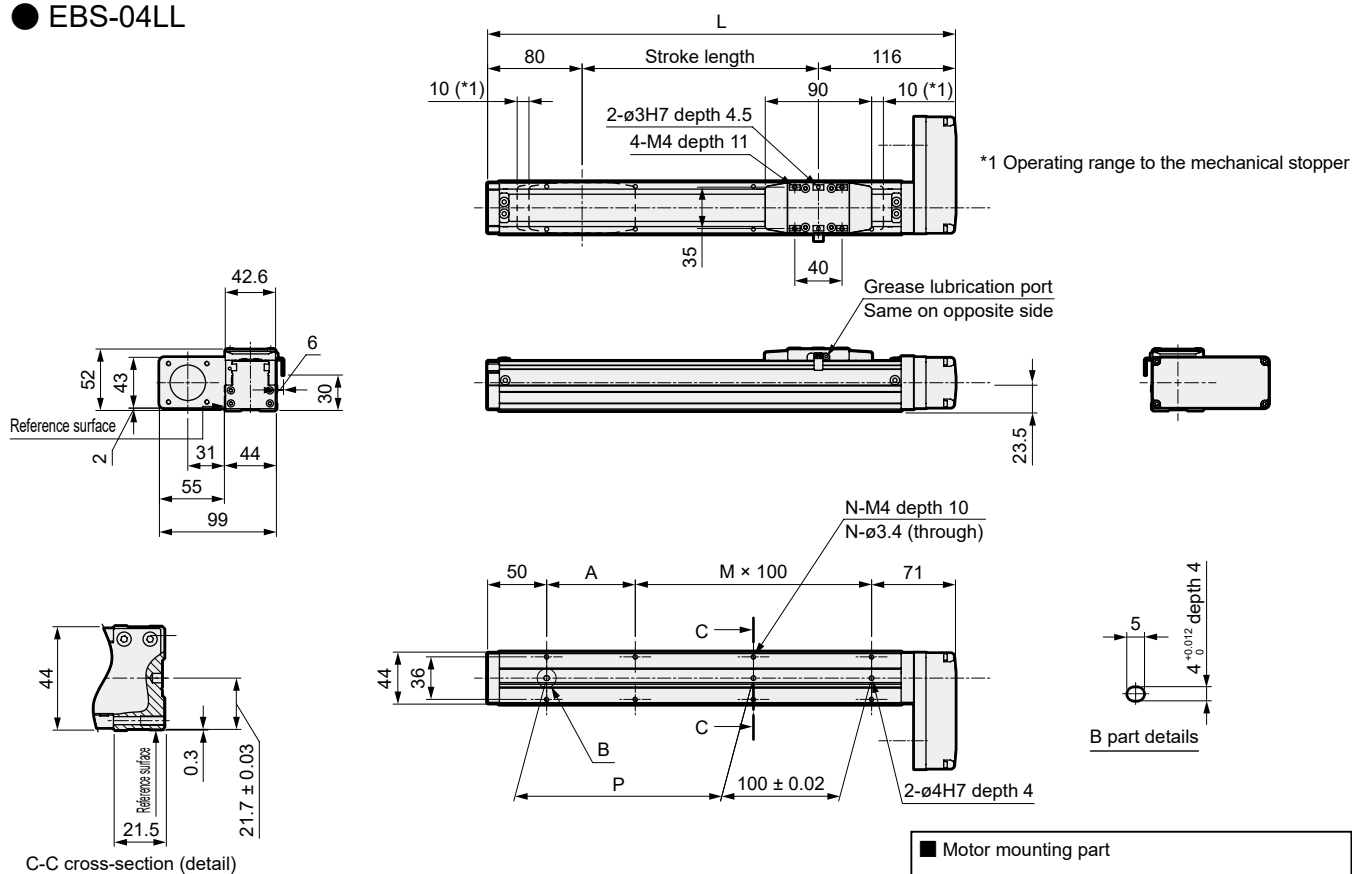
[Origin sensor, limit sensor]

Sensor		
Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

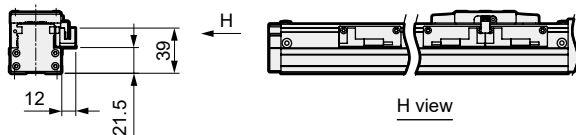
*Refer to page 42 for sensor specifications.

Dimensions Motor left-side mounting

● EBS-04LL

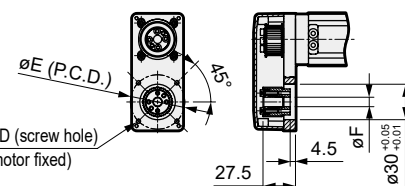


■ When origin/limit sensors are mounted



*For stroke of 50 mm, sensors must be mounted on both sides. Sensor dogs are also mounted on both sides.

■ Motor mounting part



Mounted motor specification	D	E	F	Motor mounting bolt
M 50 W	M4	ø46	ø8	4-M4 × L12
Y 50 W	M4	ø46	ø8	4-M4 × L12
P 50 W	M3	ø45	ø8	4-M3 × L12
F 50 W	M4	ø46	ø8	4-M4 × L12

Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500
L	246	296	346	396	446	496	546	596	646	696
A	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5
N	6	6	8	8	10	10	12	12	14	14
P	25	75	125	175	225	275	325	375	425	475
Weight (kg)	1.0	1.2	1.4	1.7	1.8	1.9	2.1	2.3	2.5	2.7

List of attachments

[Motor mounting parts]

Mounted motor specification	Timing belt, pulley	Motor mounting bolt	
		Size	Quantity
M	Included at shipment	M4	4
Y		M4	4
P		M3	4
F		M4	4

[Origin sensor, limit sensor]

Sensor		
Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

*Refer to page 42 for sensor specifications.

Electric actuator (motorless) Slider

EBS-05LE

Straight motor mounting

● Servo motor size: 100 W

RoHS

How to order

EBS - 05 L E - 02 0300 N NN - M 1 N N

A Body size
05 Body width 54 mm

B Motor
L None

C Motor mounting direction
E Straight mounting

D Screw lead

02	2 mm
05	5 mm
10	10 mm
20	20 mm

E Stroke length

0050	50 mm
(In 50 mm increments)	
0800	800 mm

F Brake
N None

G Mounted motor specification

M	Select the mounted motor specification from the table at right.
Y	
P	
F	

H Motor size
1 100 W

I Origin sensor *1
N None
C Yes

J Limit sensor *1
N None
B Yes

Manufacturer	100 W
Mitsubishi Electric Corporation	M
Delta Electronics Co., Ltd.	M
Sanyo Denki Co., Ltd.	M
YASKAWA Electric Corporation	Y
Keyence Corporation	Y
Panasonic Corporation	P
OMRON Corporation	M
Fuji Electric Co., Ltd.	M
FANUC CORPORATION	F
Bosch Rexroth AG	P
Rockwell Automation, Inc.	M
SIEMENS AG	M

*1 Origin sensor and limit sensor are available as a set. As it is both-or-nothing, select "None" for both.

*Refer to page 7 for the motor model No.

Specifications

Applicable motor sizes		100 W servo motor			
Drive method		Ball screw ø12			
Stroke length mm		50 to 800			
Screw lead mm		2	5	10	20
Max. load capacity kg *1	Horizontal	30	30	15	10
	Vertical	10	10	5	2.5
Max. speed mm/s		100	250	500	1000
Rated thrust *1 N		854	341	170	85
Repeatability mm		±0.01			
Lost motion mm		0.1 or less			
Static allowable load N		1168			
Static allowable moment N·m		MP: 103, MY: 103, MR: 144			
Operating ambient temperature, humidity		0 to 40°C (no freezing) 35 to 80% RH (no condensation)			
Storage ambient temperature, humidity		-10 to 50°C (no freezing) 35 to 80% RH (no condensation)			
Atmosphere		No corrosive gas, explosive gas, or dust			

*1 Rated thrust and max. load capacity are guideline values assuming that the motor mounted will output the rated torque.

Stroke and max. speed

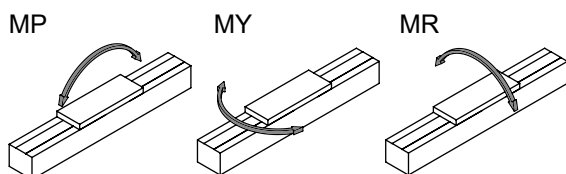
		(mm/s)				
Stroke length	Screw lead	50 to 600	650	700	750	800
		100	90	80	70	60
	5	250	225	200	175	150
	10	500	450	400	350	300
	20	1000	900	800	700	600

*Max. speed is when the motor mounted by the customer can output rotation speed of 3000 rpm.
The max. speed is restricted by the stroke. Do not move at speeds beyond the limit.

Allowable overhang length

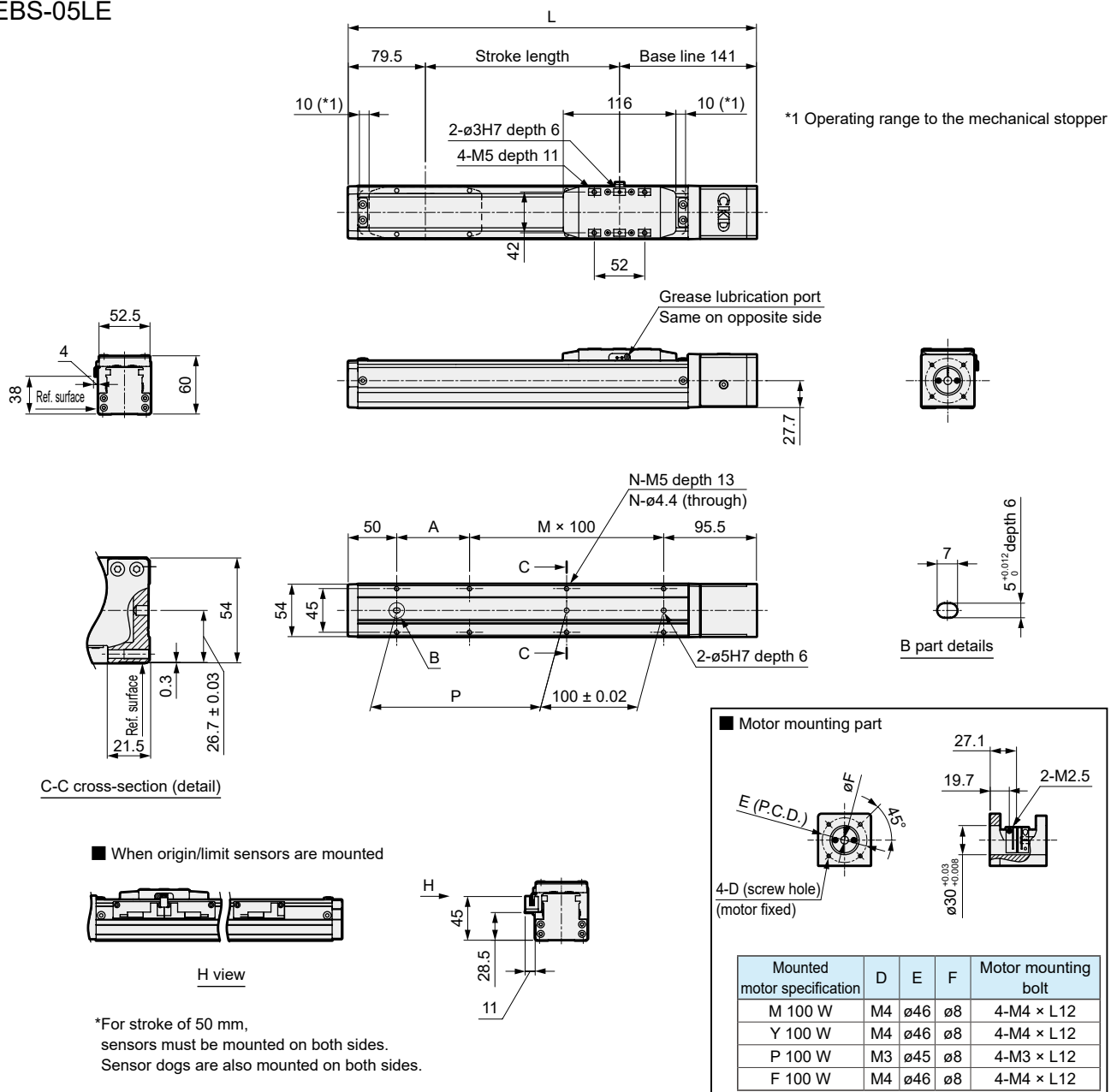
*Refer to page 34 for details.

Moment direction



Dimensions Straight motor mounting

● EBS-05LE



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500	0550	0600	0650	0700	0750	0800
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	270.5	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
Weight (kg)	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.2	3.4	3.5	3.7	3.8	4.0

List of attachments

[Motor mounting parts]

Mounted motor specification	Coupling	Motor mounting bolt	
		Size	Quantity
M	Assembled at shipment	M4	4
Y		M4	4
P		M3	4
F		M4	4

[Origin sensor, limit sensor]

Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

*Refer to page 42 for sensor specifications.



Electric actuator (motorless) Slider

EBS-05L*

Motor side mounting (left, right, bottom)

● Servo motor size: 100 W



How to order

EBS - 05 L R - 02 0300 N NN - M 1 N N

A Body size
05 Body width 54 mm

B Motor
L None

C Motor mounting direction
R Right mounting
D Bottom mounting
L Left mounting

D Screw lead
02 2 mm
05 5 mm
10 10 mm
20 20 mm

E Stroke length
0050 50 mm
to 0800 (In 50 mm increments) 800 mm

F Brake
N None

G Mounted motor specification
M Select the mounted motor specification from the table at right.
Y
P
F

H Motor size
1 100 W

I Origin sensor *1
N None
C Yes

J Limit sensor *1
N None
B Yes

Manufacturer	100 W
Mitsubishi Electric Corporation	M
Delta Electronics Co., Ltd.	M
Sanyo Denki Co., Ltd.	M
YASKAWA Electric Corporation	Y
Keyence Corporation	Y
Panasonic Corporation	P
OMRON Corporation	M
Fuji Electric Co., Ltd.	M
FANUC CORPORATION	F
Bosch Rexroth AG	P
Rockwell Automation, Inc.	M
SIEMENS AG	M

*1 Origin sensor and limit sensor are available as a set. As it is both-or-nothing, select "None" for both.

*Refer to page 7 for the motor model No.

Specifications

Applicable motor sizes		100 W servo motor			
Drive method		Ball screw $\phi 12$			
Stroke length mm		50 to 800			
Screw lead		2	5	10	20
Max. load capacity kg	Horizontal	30	30	15	10
	Vertical	10	10	5	2.5
Max. speed mm/s		100	250	500	1000
Rated thrust *1 N		854	341	170	85
Repeatability mm		± 0.01			
Lost motion mm		0.1 or less			
Static allowable load N		1168			
Static allowable moment N·m		MP: 103, MY: 103, MR: 144			
Operating ambient temperature, humidity		0 to 40°C (no freezing) 35 to 80% RH (no condensation)			
Storage ambient temperature, humidity		-10 to 50°C (no freezing) 35 to 80% RH (no condensation)			
Atmosphere		No corrosive gas, explosive gas, or dust			

*1 Rated thrust and max. load capacity are guideline values assuming that the motor mounted will output the rated torque.

Stroke and max. speed

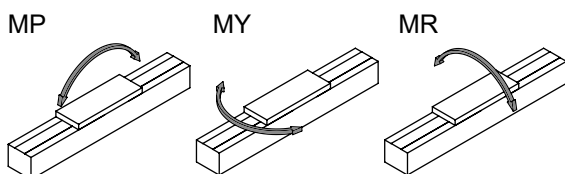
		(mm/s)				
Stroke length	Lead	50 to 600	650	700	750	800
		100	90	80	70	60
	5	250	225	200	175	150
	10	500	450	400	350	300
	20	1000	900	800	700	600

*Max. speed is when the motor mounted by the customer can output rotation speed of 3000 rpm.
The max. speed is restricted by the stroke. Do not move at speeds beyond the limit.

Allowable overhang length

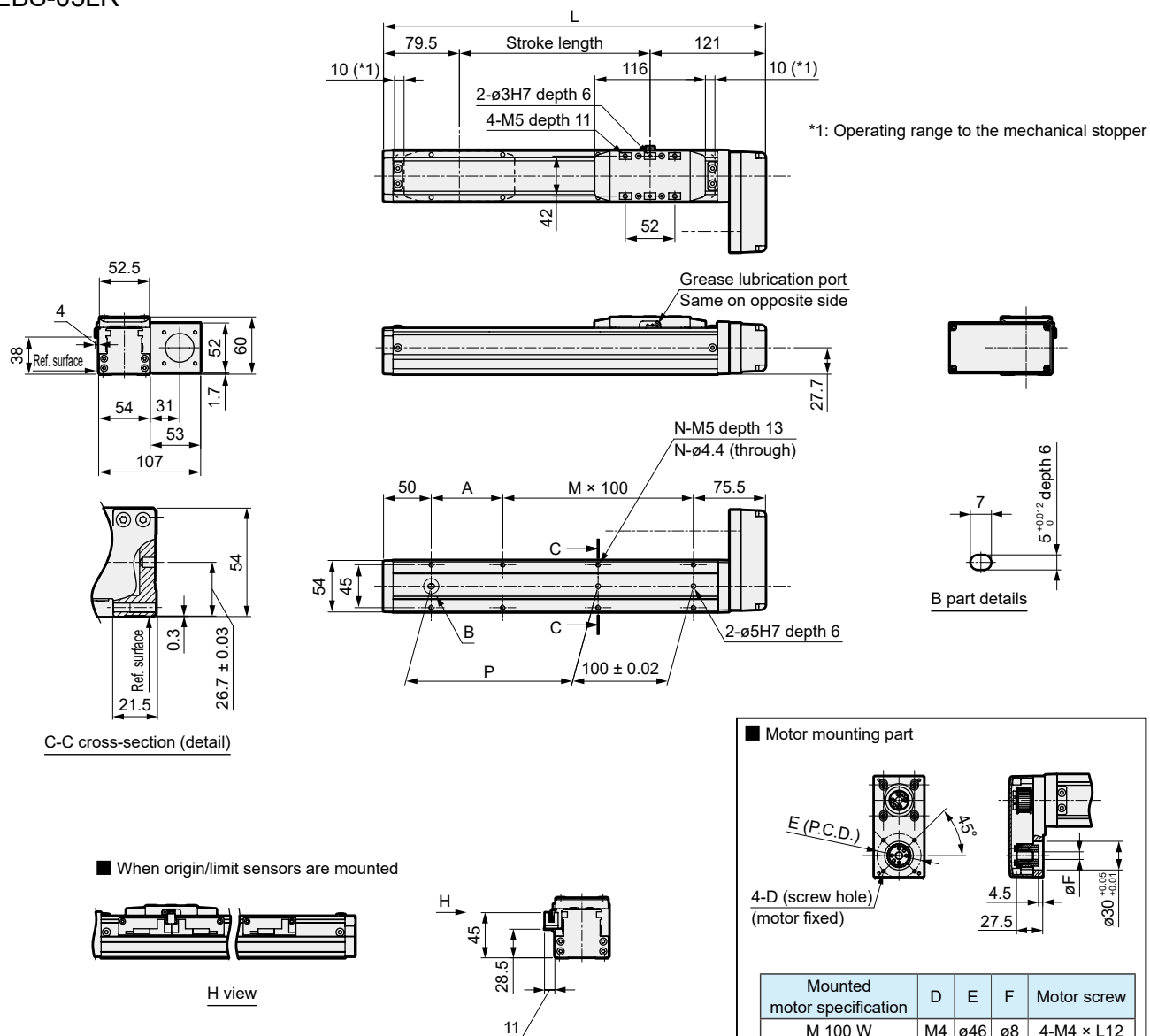
*Refer to page 34 for details.

Moment direction



Dimensions Motor right-side mounting

● EBS-05LR



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500	0550	0600	0650	0700	0750	0800
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	250.5	300.5	350.5	400.5	450.5	500.5	550.5	600.5	650.5	700.5	750.5	800.5	850.5	900.5	950.5	1000.5
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
Weight (kg)	1.8	2.0	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.4	3.5	3.7	3.8	4.0

List of attachments

[Motor mounting]

Mounted motor specification	Timing belt, pulley	Motor mounting bolt	
		Size	Included quantity
M	Included at shipment	M4	4
Y		M4	4
P		M3	4
F		M4	4

[When origin/limit sensors are selected]

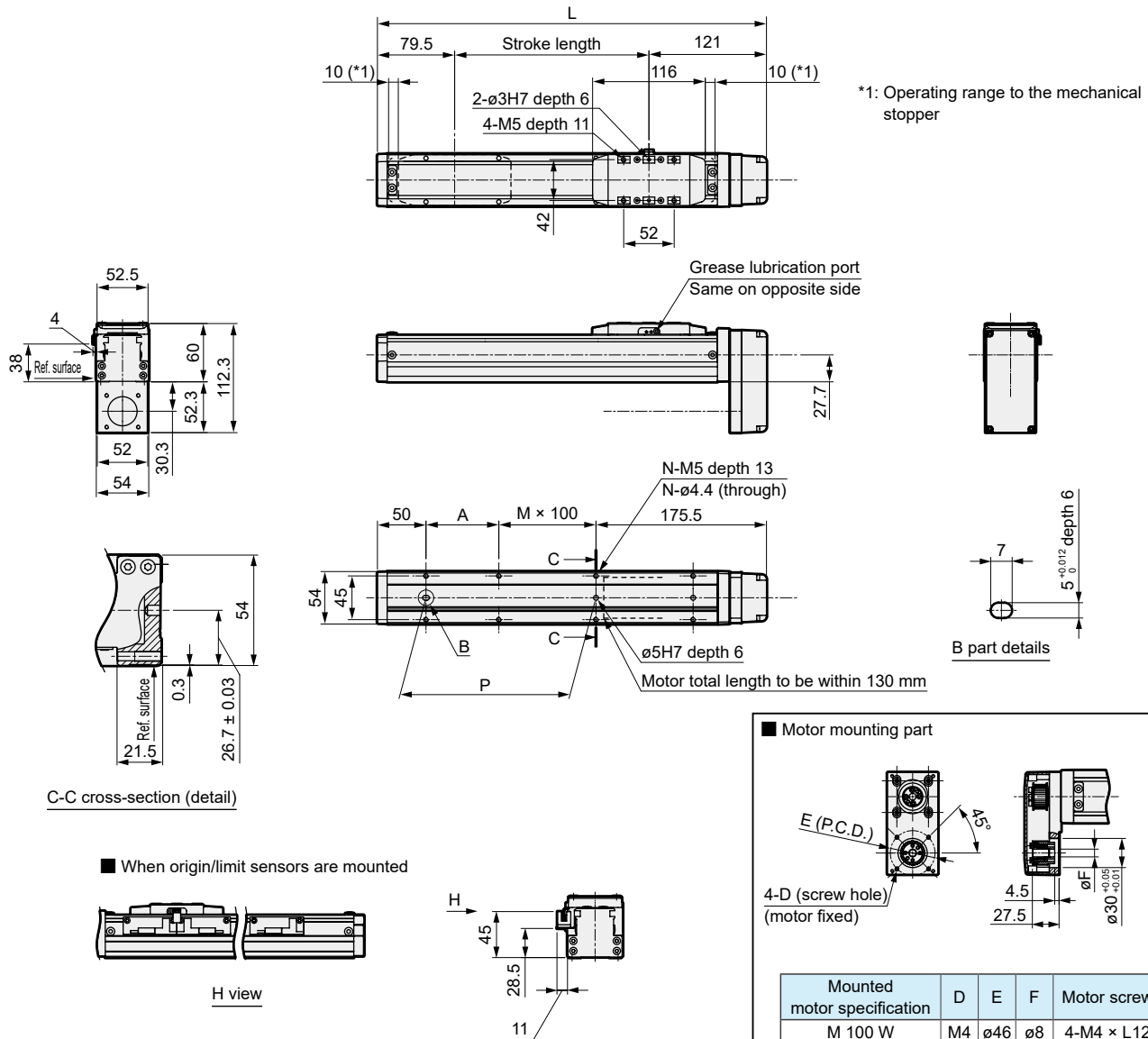
Sensor		
Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

*Refer to page 42 for sensor specifications.

EBS-05L*

Dimensions Motor bottom mounting

● EBS-05LD



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500	0550	0600	0650	0700	0750	0800
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	250.5	300.5	350.5	400.5	450.5	500.5	550.5	600.5	650.5	700.5	750.5	800.5	850.5	900.5	950.5	1000.5
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7
N	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
Weight (kg)	1.8	2.0	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.4	3.5	3.7	3.8	4.0

List of attachments

[Motor mounting]

Mounted motor specification	Timing belt, pulley	Motor mounting bolt	
		Size	Included quantity
M	Included at shipment	M4	4
Y		M4	4
P		M3	4
F		M4	4

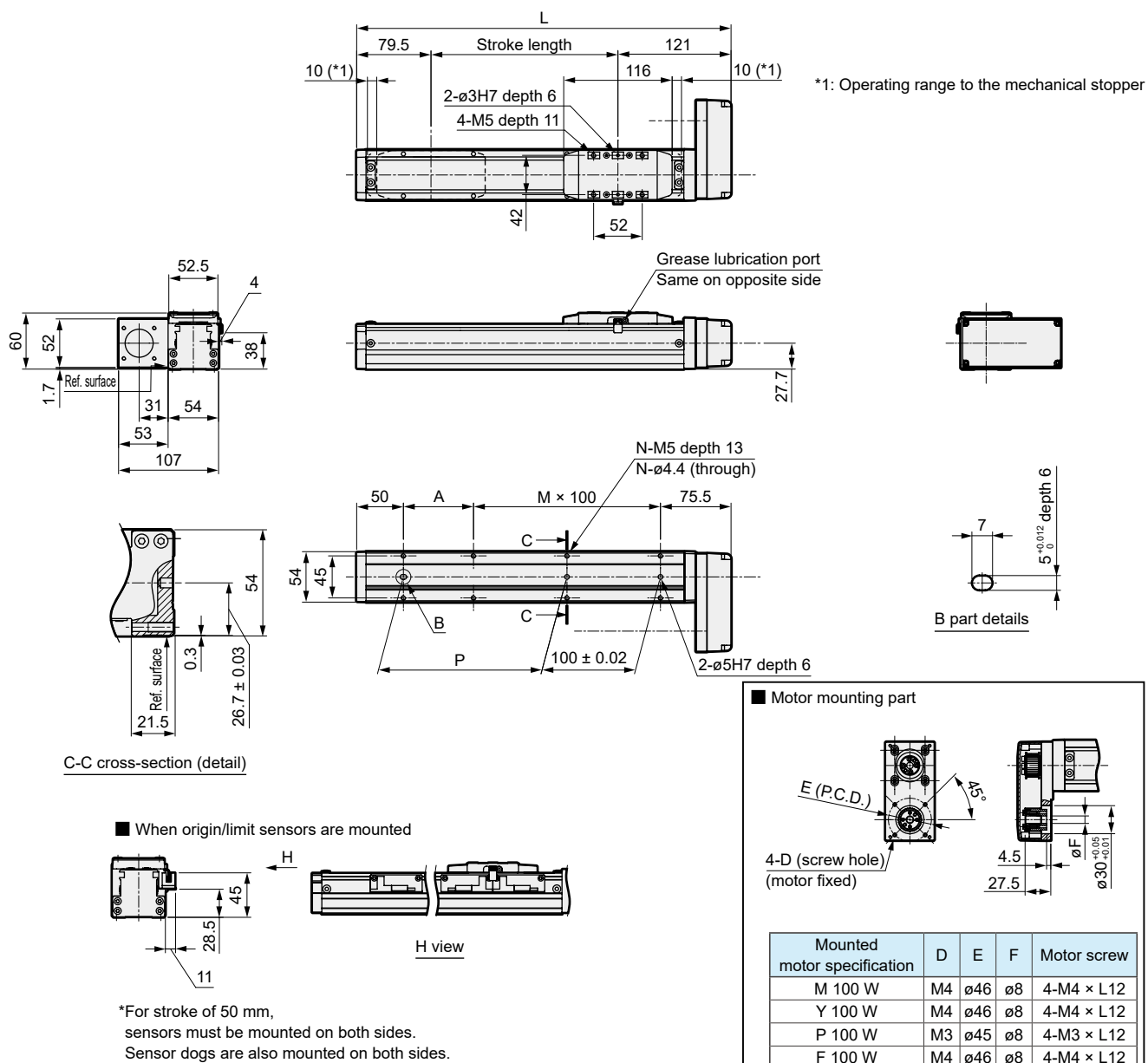
[When origin/limit sensors are selected]

Sensor		
Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

*Refer to page 42 for sensor specifications.

Dimensions Motor left-side mounting

● EBS-05LL



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500	0550	0600	0650	0700	0750	0800
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	250.5	300.5	350.5	400.5	450.5	500.5	550.5	600.5	650.5	700.5	750.5	800.5	850.5	900.5	950.5	1000.5
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
Weight (kg)	1.8	2.0	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.4	3.5	3.7	3.8	4.0

List of attachments

[Motor mounting]

Mounted motor specification	Timing belt, pulley	Motor mounting bolt	
		Size	Included quantity
M	Included at shipment	M4	4
Y		M4	4
P		M3	4
F		M4	4

[When origin/limit sensors are selected]

Sensor		
Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

*Refer to page 42 for sensor specifications.

Electric actuator (motorless) Slider

EBS-08LE

Straight motor mounting

● Servo motor size: 200 W

RoHS

How to order

EBS - 08 L E - 05 0300 N NN - M 2 N N

A Body size
08 Body width 82 mm

B Motor
L None

C Motor mounting direction
E Straight mounting

D Screw lead
05 5 mm
10 10 mm
20 20 mm

E Stroke length
0050 50 mm
to 1100 (In 50 mm increments) 1100 mm

F Brake
N None

G Mounted motor specification
M Select the mounted motor specification from the table at right.
Y
P
F

H Motor size
2 200 W

I Origin sensor *1
N None
C Yes

J Limit sensor *1
N None
B Yes

Manufacturer	200 W
Mitsubishi Electric Corporation	M
Delta Electronics Co., Ltd.	M
Sanyo Denki Co., Ltd.	M
YASKAWA Electric Corporation	Y
Keyence Corporation	Y
Panasonic Corporation	P
OMRON Corporation	P
Fuji Electric Co., Ltd.	M
FANUC CORPORATION	F
Bosch Rexroth AG	P
Rockwell Automation, Inc.	M
SIEMENS AG	M

*1 Origin sensor and limit sensor are available as a set. As it is both-or-nothing, select "None" for both.

*Refer to page 7 for the motor model No.

Specifications

Applicable motor sizes	200 W servo motor		
Drive method	Ball screw $\phi 16$		
Stroke length mm	50 to 1100		
Screw lead mm	5	10	20
Max. load capacity kg *1	Horizontal 50	30	12
	Vertical 15	8	2.5
Max. speed mm/s	250	500	1000
Rated thrust *1 N	683	341	174
Repeatability mm	± 0.01		
Lost motion mm	0.1 or less		
Static allowable load N	2781		
Static allowable moment N·m	MP: 203, MY: 203, MR: 336		
Operating ambient temperature, humidity	0 to 40°C (no freezing) 35 to 80% RH (no condensation)		
Storage ambient temperature, humidity	-10 to 50°C (no freezing) 35 to 80% RH (no condensation)		
Atmosphere	No corrosive gas, explosive gas, or dust		

*1 Rated thrust and max. load capacity are guideline values assuming that the motor mounted will output the rated torque.

Stroke and max. speed

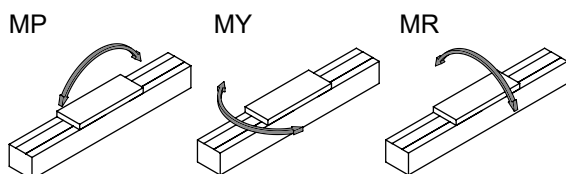
		(mm/s)								
Screw lead	Stroke length	50 to 700	750	800	850	900	950	1000	1050	1100
		250	225	200	175	150	125	100	75	50
5		250	225	200	175	150	125	100	75	50
10		500	450	400	350	300	250	200	150	100
20		1000	900	800	700	600	500	400	300	200

*Max. speed is when the motor mounted by the customer can output rotation speed of 3000 rpm.
The max. speed is restricted by the stroke. Do not move at speeds beyond the limit.

Allowable overhang length

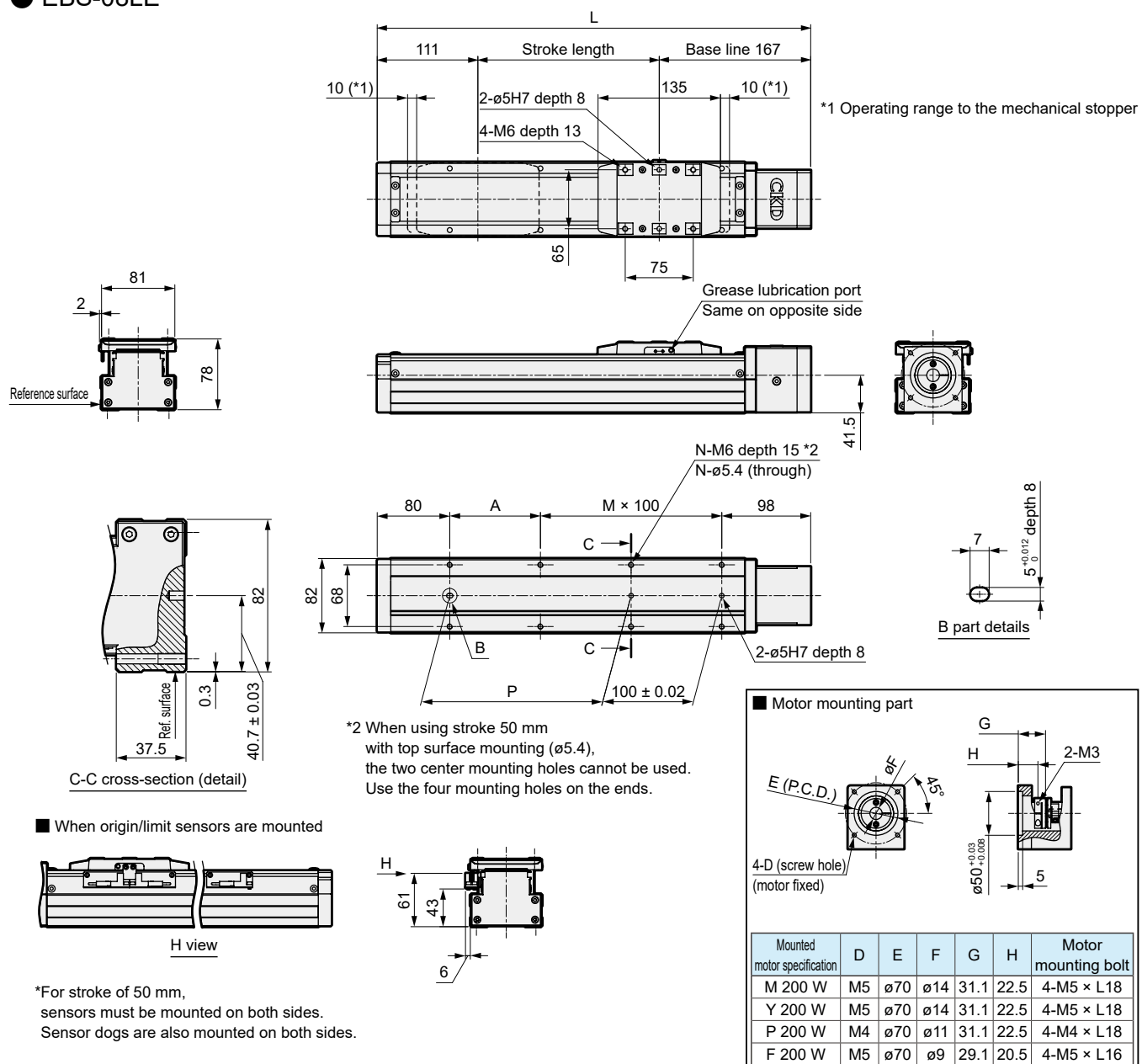
*Refer to page 34 for details.

Moment direction



Dimensions Straight motor mounting

● EBS-08LE



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500	0550	0600	0650	0700	0750	0800	0850	0900	0950	1000	1050	1100
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L	328	378	428	478	528	578	628	678	728	778	828	878	928	978	1028	1078	1128	1178	1228	1278	1328	1378
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
Weight (kg)	4.3	4.6	4.9	5.2	5.6	5.9	6.2	6.6	6.9	7.2	7.5	7.9	8.2	8.5	8.8	9.2	9.5	9.8	10.2	10.5	10.8	11.1

List of attachments

[Motor mounting parts]

Mounted motor specification	Coupling	Motor mounting bolt	
		Size	Quantity
M	Assembled at shipment	M5	4
Y		M5	4
P		M4	4
F		M5	4

[Origin sensor, limit sensor]

Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

*Refer to page 42 for sensor specifications.



Electric actuator (motorless) Slider

EBS-08L*

Motor side mounting (left, right, bottom)

● Servo motor size: 200 W

RoHS

How to order

EBS - 08 L E - 05 0300 N NN - M 2 N N

A Body size
08 Body width 82 mm

B Motor
L None

C Motor mounting direction
R Right mounting
D Bottom mounting
L Left mounting

D Screw lead
05 5 mm
10 10 mm
20 20 mm

E Stroke length
0050 50 mm
to 1100 (In 50 mm increments)
1100 mm

F Brake
N None

G Mounted motor specification
M Select the mounted motor specification from the table at right.
Y
P
F

H Motor size
2 200 W

I Origin sensor *1
N None
C Yes

J Limit sensor *1
N None
B Yes

Manufacturer	200 W
Mitsubishi Electric Corporation	M
Delta Electronics Co., Ltd.	M
Sanyo Denki Co., Ltd.	M
YASKAWA Electric Corporation	Y
Keyence Corporation	Y
Panasonic Corporation	P
OMRON Corporation	P
Fuji Electric Co., Ltd.	M
FANUC CORPORATION	F
Bosch Rexroth AG	P
Rockwell Automation, Inc.	M
SIEMENS AG	M

*1 Origin sensor and limit sensor are available as a set. As it is both-or-nothing, select "None" for both.

*Refer to page 7 for the motor model No.

Specifications

Applicable motor sizes	200 W servo motor		
Drive method	Ball screw $\phi 16$		
Stroke length mm	50 to 1100		
Screw lead	5	10	20
Max. load capacity kg	Horizontal	50	30
	Vertical	15	8
Max. speed mm/s	250	500	1000
Rated thrust N	683	341	174
Repeatability mm	± 0.01		
Lost motion mm	0.1 or less		
Static allowable load N	2781		
Static allowable moment N·m	MP: 203, MY: 203, MR: 336		
Operating ambient temperature, humidity	0 to 40°C (no freezing) 35 to 80% RH (no condensation)		
Storage ambient temperature, humidity	-10 to 50°C (no freezing) 35 to 80% RH (no condensation)		
Atmosphere	No corrosive gas, explosive gas, or dust		

*1 Rated thrust and max. load capacity are guideline values assuming that the motor mounted will output the rated torque.

Stroke and max. speed

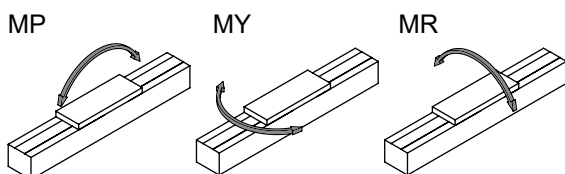
		(mm/s)								
Stroke length	Lead	50 to 700	750	800	850	900	950	1000	1050	1100
		250	225	200	175	150	125	100	75	50
	5	250	225	200	175	150	125	100	75	50
	10	500	450	400	350	300	250	200	150	100
	20	1000	900	800	700	600	500	400	300	200

*Max. speed is when the motor mounted by the customer can output rotation speed of 3000 rpm.
The max. speed is restricted by the stroke. Do not move at speeds beyond the limit.

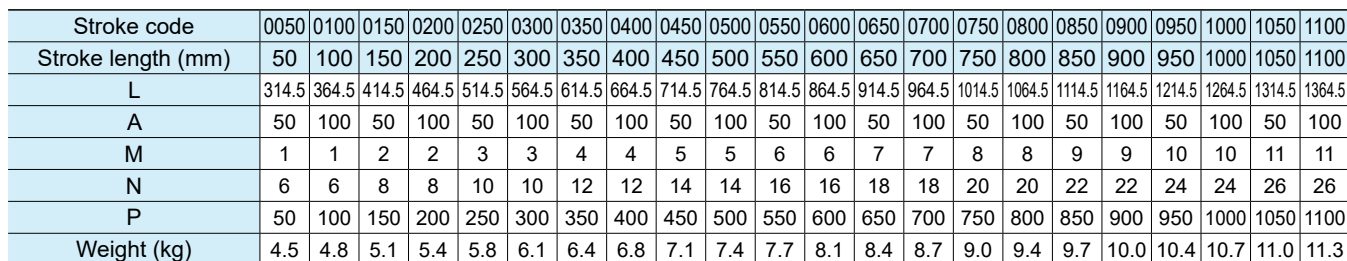
Allowable overhang length

*Refer to page 34 for details.

Moment direction



● EBS-08LR



[Motor mounting]

Mounted motor specification	Timing belt, pulley	Motor mounting bolt	
		Size	Included quantity
M	Included at shipment	M5	4
Y		M5	4
P		M4	4
F		M5	4

[When origin/limit sensors are selected]

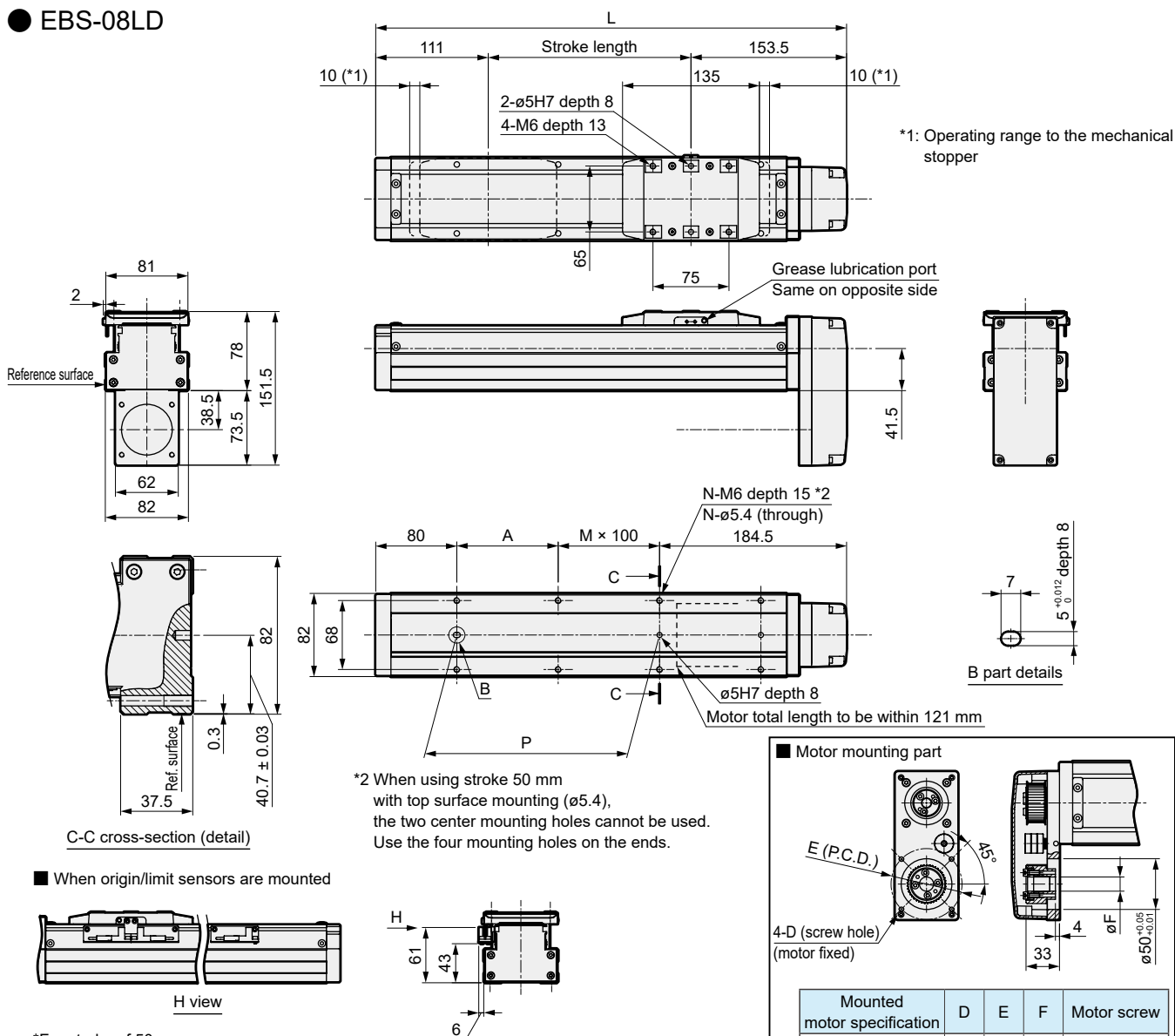
Sensor		
Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

*Refer to page 42 for sensor specifications.

EBS-08L*

Dimensions Motor bottom mounting

● EBS-08LD



*For stroke of 50 mm, sensors must be mounted on both sides. Sensor dogs are also mounted on both sides.

Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500	0550	0600	0650	0700	0750	0800	0850	0900	0950	1000	1050	1100
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5	1214.5	1264.5	1314.5	1364.5
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
N	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
Weight (kg)	4.5	4.8	5.1	5.4	5.8	6.1	6.4	6.8	7.1	7.4	7.7	8.1	8.4	8.7	9.0	9.4	9.7	10.0	10.4	10.7	11.0	11.3

List of attachments

[Motor mounting]

Mounted motor specification	Timing belt, pulley	Motor mounting bolt	
		Size	Included quantity
M	Included at shipment	M5	4
Y		M5	4
P		M4	4
F		M5	4

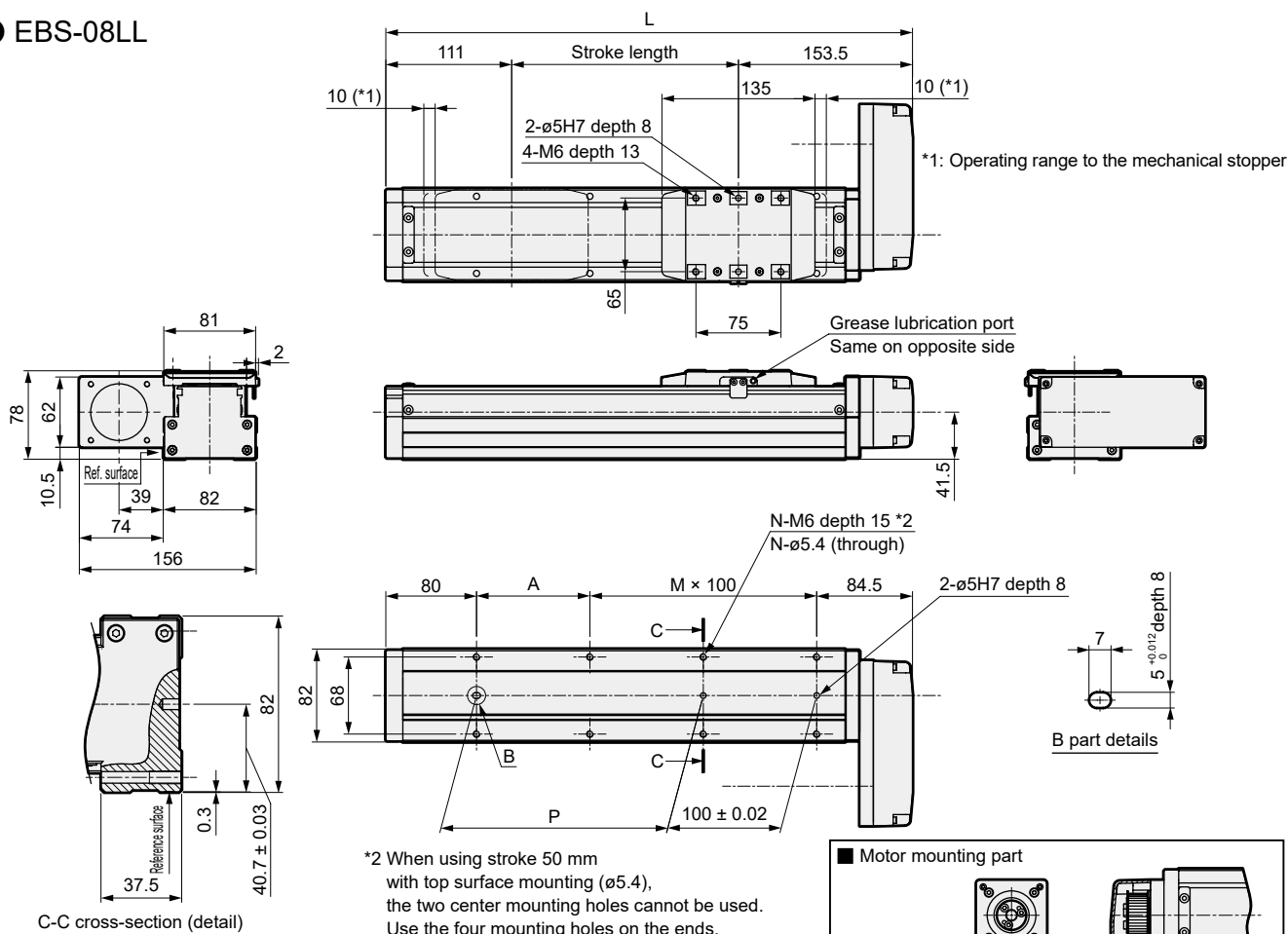
[When origin/limit sensors are selected]

Sensor		
Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

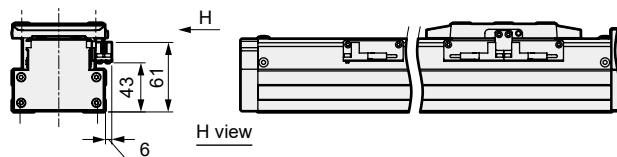
*Refer to page 42 for sensor specifications.

Dimensions Motor left-side mounting

● EBS-08LL



■ When origin/limit sensors are mounted



*For stroke of 50 mm, sensors must be mounted on both sides. Sensor dogs are also mounted on both sides.

Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500	0550	0600	0650	0700	0750	0800	0850	0900	0950	1000	1050	1100
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5	1214.5	1264.5	1314.5	1364.5
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
Weight (kg)	4.5	4.8	5.1	5.4	5.8	6.1	6.4	6.8	7.1	7.4	7.7	8.1	8.4	8.7	9.0	9.4	9.7	10.0	10.4	10.7	11.0	11.3

List of attachments

[Motor mounting]

Mounted motor specification	Timing belt, pulley	Motor mounting bolt	
		Size	Included quantity
M	Included at shipment	M5	4
Y		M5	4
P		M4	4
F		M5	4

[When origin/limit sensors are selected]

Sensor		
Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

*Refer to page 42 for sensor specifications.

Electric actuator (motorless) Slider

EBS-12LE

Straight motor mounting

● Servo motor size: 400 W

RoHS

How to order

EBS - 12 L E - 05 0300 N NN - M 4 N N

A Body size
12 Body width 120 mm

B Motor
L None

C Motor mounting direction
E Straight mounting

D Screw lead

05	5 mm
10	10 mm
20	20 mm
32	32 mm

E Stroke length

0050	50 mm
to	(In 50 mm increments)
1250	1250 mm

F Brake
N None

G Mounted motor specification

M	Select the mounted motor specification from the table at right.
Y	
P	

H Motor size
4 400 W

I Origin sensor *1
N None
C Yes

J Limit sensor *1

N	None
B	Yes

Manufacturer	400 W
Mitsubishi Electric Corporation	M
Delta Electronics Co., Ltd.	M
Sanyo Denki Co., Ltd.	M
YASKAWA Electric Corporation	Y
Keyence Corporation	Y
Panasonic Corporation	P
OMRON Corporation	P
Fuji Electric Co., Ltd.	M
Bosch Rexroth AG	P
Rockwell Automation, Inc.	M
SIEMENS AG	M

*1 Origin sensor and limit sensor are available as a set. As it is both-or-nothing, select "None" for both.

*Refer to page 7 for the motor model No.

Specifications

Applicable motor sizes		400 W servo motor			
Drive method		Ball screw ø16			
Stroke length mm		50 to 1250			
Screw lead mm		5	10	20	32
Max. load capacity kg *1	Horizontal	110	88	40	30
	Vertical	33	22	10	8
Max. speed mm/s		250	500	1000	1600
Rated thrust *1 N		1388	694	347	218
Repeatability mm		±0.01			
Lost motion mm		0.1 or less			
Static allowable load N		8310			
Static allowable moment N·m		MP: 606, MY: 606, MR: 1168			
Operating ambient temperature, humidity		0 to 40°C (no freezing) 35 to 80% RH (no condensation)			
Storage ambient temperature, humidity		-10 to 50°C (no freezing) 35 to 80% RH (no condensation)			
Atmosphere		No corrosive gas, explosive gas, or dust			

*1 Rated thrust and max. load capacity are guideline values assuming that the motor mounted will output the rated torque.

Stroke and max. speed

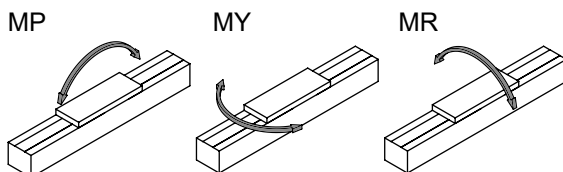
		(mm/s)											
Screw lead	Stroke length	50 to 700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
	5	250	225	200	175	150	140	130	120	110	100	90	80
10	500	450	400	350	325	300	275	250	225	200	175	150	
20	1000	1000	900	800	700	650	600	550	500	450	400	350	
32	1600	1450	1300	1150	1050	950	850	750	650	550	450	350	

*Max. speed is when the motor mounted by the customer can output rotation speed of 3000 rpm.
The max. speed is restricted by the stroke. Do not move at speeds beyond the limit.

Allowable overhang length

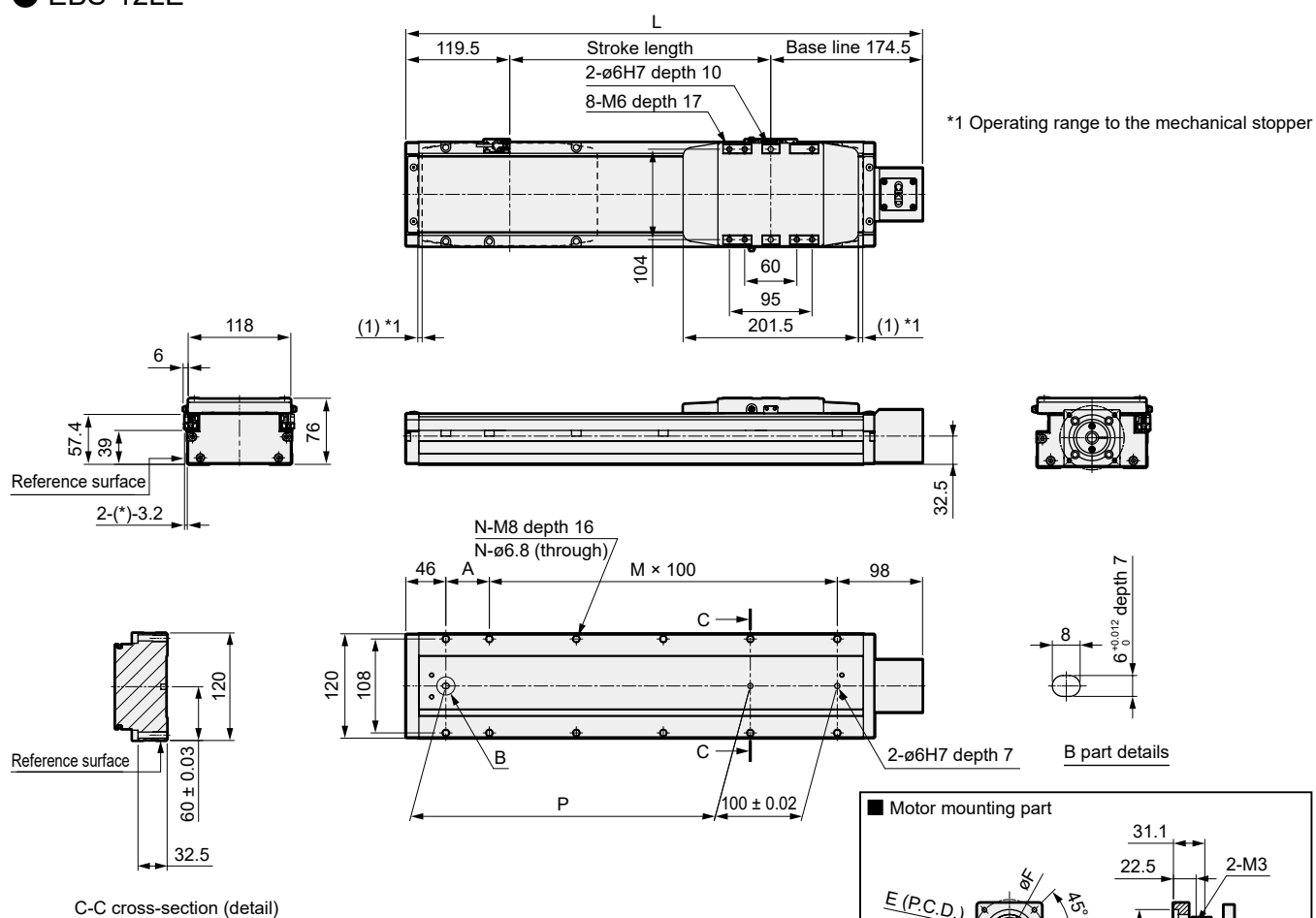
*Refer to page 34 for details.

Moment direction



Dimensions Straight motor mounting

● EBS-12LE



*For stroke of 50 mm,
sensors must be mounted on both sides.
Sensor dogs are also mounted on both sides.

Mounted motor specification	D	E	F	Motor mounting bolt
M 400 W	M5	ø70	ø14	4-M5 × L18
Y 400 W	M5	ø70	ø14	4-M5 × L18
P 400 W	M4	ø70	ø14	4-M4 × L18

Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500	0550	0600	0650	0700	0750	0800	0850	0900	0950	1000	1050	1100	1150	1200	1250
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	344	394	444	494	544	594	644	694	744	794	844	894	944	994	1044	1094	1144	1194	1244	1294	1344	1394	1444	1494	1544
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
Weight (kg)	5.1	5.4	5.8	6.1	6.5	6.8	7.2	7.5	7.9	8.2	8.6	8.9	9.3	9.6	10.0	10.3	10.7	11.0	11.4	11.7	12.1	12.4	12.8	13.1	13.5

List of attachments

[Motor mounting parts]

Mounted motor specification	Coupling	Motor mounting bolt	
		Size	Quantity
M	Assembled at shipment	M5	4
Y		M5	4
P		M4	4

[Origin sensor, limit sensor]

Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

*Refer to page 42 for sensor specifications.



Electric actuator (motorless) Slider

EBS-12L*

Motor side mounting (left, right, bottom)

● Servo motor size: 400 W

RoHS

How to order

EBS - 12 L R - 05 0300 N NN - M 4 N N

A Body size
12 Body width 120 mm

B Motor
L None

C Motor mounting direction
R Right mounting
D Bottom mounting
L Left mounting

D Screw lead
05 5 mm
10 10 mm
20 20 mm
32 32 mm

E Stroke length
0050 50 mm
to 1250 (In 50 mm increments) 1250 mm

F Brake
N None

G Mounted motor specification
M Select the mounted motor specification from the table at right.
Y
P

H Motor size
4 400 W

I Origin sensor *1
N None
C Yes

J Limit sensor *1
N None
B Yes

Manufacturer	400 W
Mitsubishi Electric Corporation	M
Delta Electronics Co., Ltd.	M
Sanyo Denki Co., Ltd.	M
YASKAWA Electric Corporation	Y
Keyence Corporation	Y
Panasonic Corporation	P
OMRON Corporation	P
Fuji Electric Co., Ltd.	M
Bosch Rexroth AG	P
Rockwell Automation, Inc.	M
SIEMENS AG	M

*1 Origin sensor and limit sensor are available as a set. As it is both-or-nothing, select "None" for both.

*Refer to page 7 for the motor model No.

Specifications

Applicable motor sizes	400 W servo motor			
Drive method	Ball screw $\phi 16$			
Stroke length mm	50 to 1250			
Screw lead mm	5	10	20	32
Max. load capacity kg *1	Horizontal	88	40	30
	Vertical	33	22	10
		8		
Max. speed mm/s	250	500	1000	1600
Rated thrust *1 N	1388	694	347	218
Repeatability mm	± 0.01			
Lost motion mm	0.1 or less			
Static allowable load N	8310			
Static allowable moment N·m	MP: 606, MY: 606, MR: 1168			
Operating ambient temperature, humidity	0 to 40°C (no freezing) 35 to 80% RH (no condensation)			
Storage ambient temperature, humidity	-10 to 50°C (no freezing) 35 to 80% RH (no condensation)			
Atmosphere	No corrosive gas, explosive gas, or dust			

*1 Rated thrust and max. load capacity are guideline values assuming that the motor mounted will output the rated torque.

Stroke and max. speed

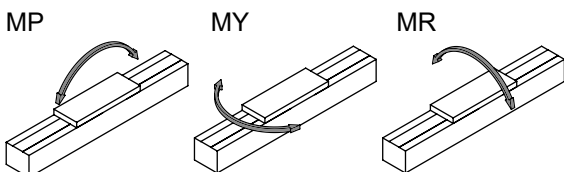
		(mm/s)											
Stroke length	Screw lead	50 to 700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
		250	225	200	175	150	140	130	120	110	100	90	80
5		500	450	400	350	325	300	275	250	225	200	175	150
10		1000	1000	900	800	700	650	600	550	500	450	400	350
20		1600	1450	1300	1150	1050	950	850	750	650	550	450	350
32													

*Max. speed is when the motor mounted by the customer can output rotation speed of 3000 rpm.
The max. speed is restricted by the stroke. Do not move at speeds beyond the limit.

Allowable overhang length

*Refer to page 34 for details.

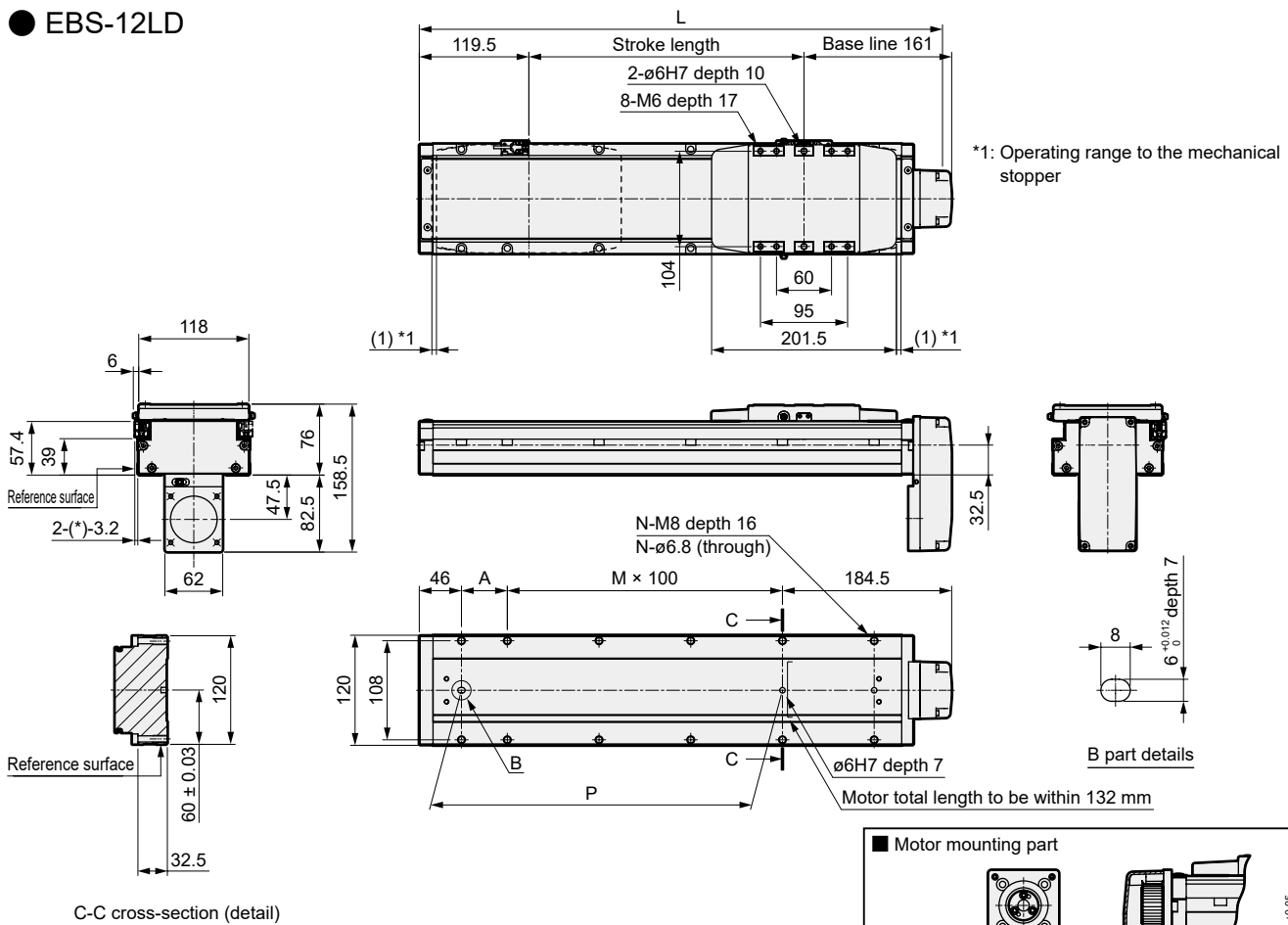
Moment direction



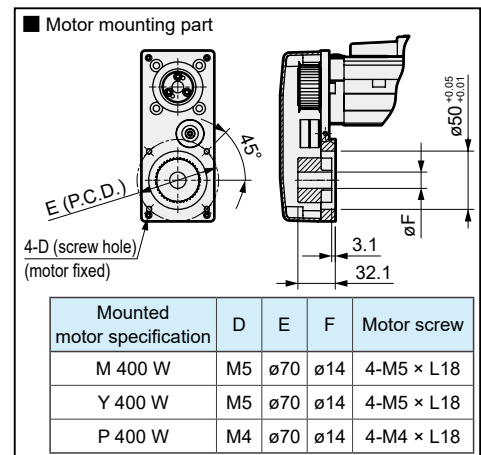
EBS-12L*

Dimensions Motor bottom mounting

● EBS-12LD



*For stroke of 50 mm, sensors must be mounted on both sides. Sensor dogs are also mounted on both sides.



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500	0550	0600	0650	0700	0750	0800	0850	0900	0950	1000	1050	1100	1150	1200	1250
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	330.5	380.5	430.5	480.5	530.5	580.5	630.5	680.5	730.5	780.5	830.5	880.5	930.5	980.5	1030.5	1080.5	1130.5	1180.5	1230.5	1280.5	1330.5	1380.5	1430.5	1480.5	1530.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12
N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
Weight (kg)	5.3	5.6	6.0	6.3	6.7	7.0	7.4	7.7	8.1	8.4	8.8	9.1	9.5	9.8	10.2	10.5	10.9	11.2	11.6	11.9	12.3	12.6	13.0	13.3	13.7

List of attachments

[Motor mounting]

Mounted motor specification	Timing belt, pulley	Motor mounting bolt	
		Size	Included quantity
M	Included at shipment	M5	4
Y		M5	4
P		M4	4

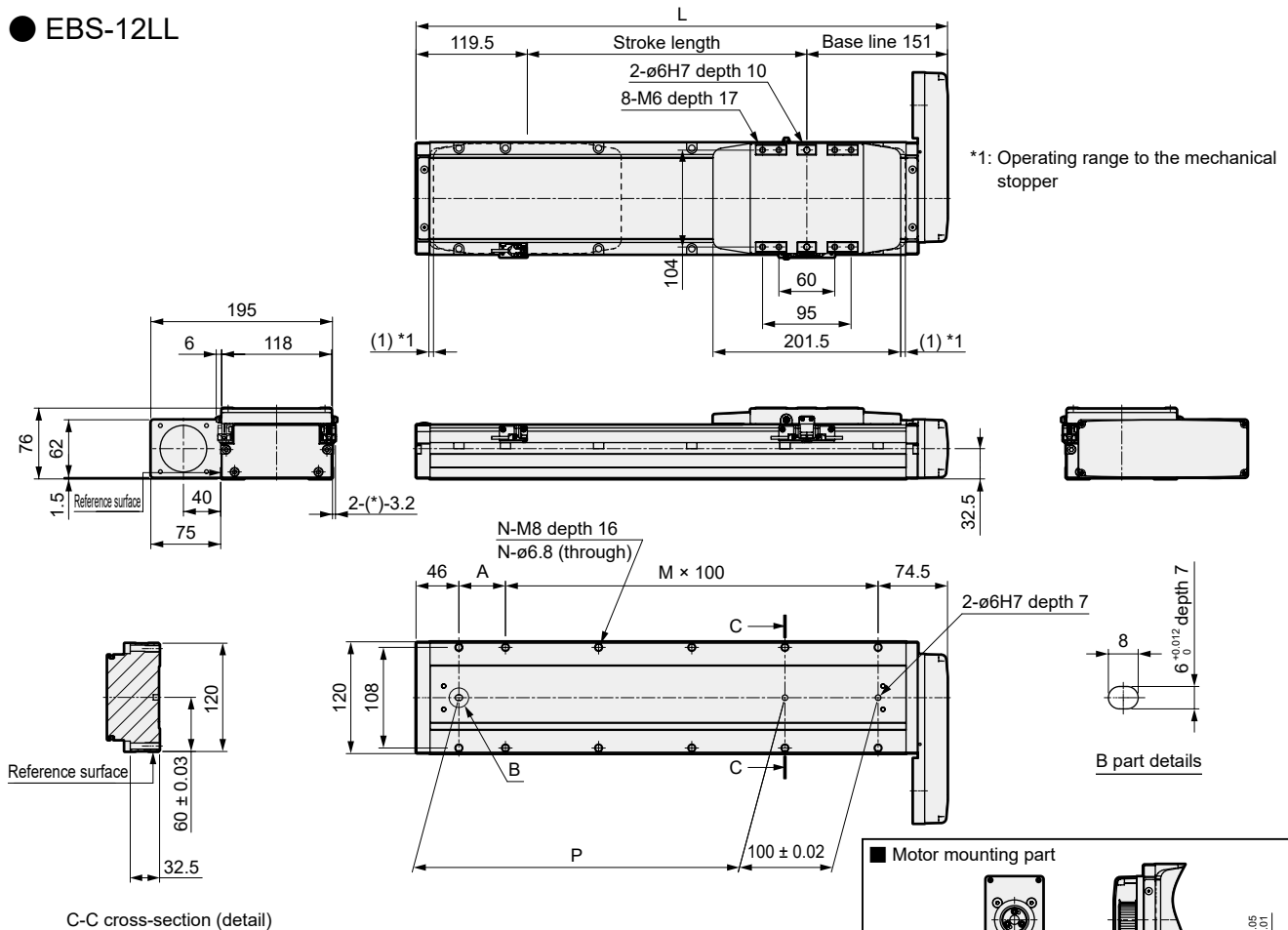
[When origin/limit sensors are selected]

Sensor		
Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

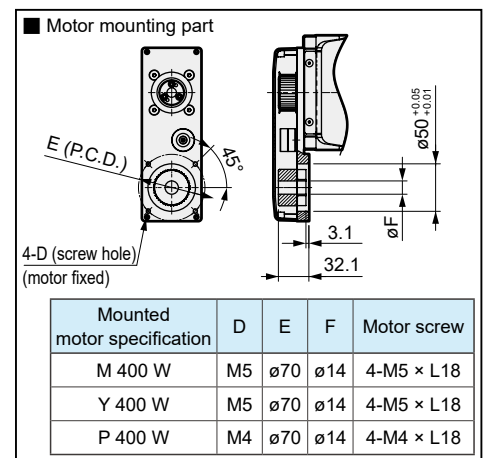
*Refer to page 42 for sensor specifications.

Dimensions Motor left-side mounting

● EBS-12LL



*For stroke of 50 mm,
sensors must be mounted on both sides.
Sensor dogs are also mounted on both sides.



Stroke code	0050	0100	0150	0200	0250	0300	0350	0400	0450	0500	0550	0600	0650	0700	0750	0800	0850	0900	0950	1000	1050	1100	1150	1200	1250
Stroke length (mm)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
Weight (kg)	5.3	5.6	6.0	6.3	6.7	7.0	7.4	7.7	8.1	8.4	8.8	9.1	9.5	9.8	10.2	10.9	11.2	11.6	11.9	12.3	12.6	12.6	13.0	13.3	13.7

List of attachments

[Motor mounting]

Mounted motor specification	Timing belt, pulley	Motor mounting bolt	
		Size	Included quantity
M	Included at shipment	M5	4
Y		M5	4
P		M4	4

[When origin/limit sensors are selected]

Sensor		
Manufacturer	Model	Included quantity
OMRON Corporation	EE-SX674	3

*Refer to page 42 for sensor specifications.