



Electric actuator Belt

ETV-05 Series

Motor side mounting (left, right, bottom)

● Servo motor capacity: 100 W

How to order

ETV - 05 - 40 - 010 - U M 1 X N N N N

A Body size
05 Body width 50 mm

B Lead equivalent
40 40 mm

C Stroke length
010 to 080 100 mm (In 50 mm increments) 800 mm

D Motor mounting direction
U Top mounting
D Bottom mounting

E Mounted motor specification
M Select the mounted motor specification from the table below.
Y
P
F

F Motor capacity
1 100 W

G Driving belt
X Standard (rubber)

H Origin sensor (1 pc)
*1 *2
N None
C Outside motor side
D Outside motor opposite side

I Limit sensor (2 pcs)
*1 *2
N None
B Outside

J Grease nipple
*3
N None (Body mounting direction: Standard)

K Positioning pin hole
N None
P 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.

*2: The user can adjust the sensor position. (Included at shipment)

*3: "Body mounting direction: Standard" here refers to mounting from the bottom side.

*Refer to page 347 for the motor model No.

Specifications

Applicable motor capacity	100 W servo motor
Drive method	Belt width 9 mm
Stroke length mm	100 to 800
Lead equivalent mm	40
Max. load capacity *1	Horizontal kg 3 Vertical kg -
Max. speed mm/s	2000
Rated thrust *1 N	42
Repeatability mm	±0.08
Lost motion	0.2 mm or less
Dynamic allowable load N	551.1
Static allowable moment N·m	MP: 20, MY: 16, MR: 19
Dynamic allowable moment N·m	MP: 2.8, MY: 2.8, MR: 6.8
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

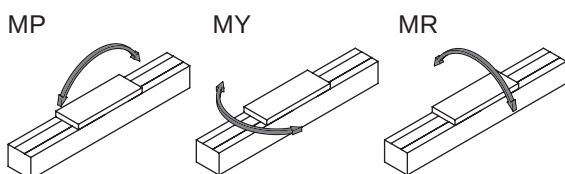
Stroke length (mm/s)	
Stroke length	Lead equivalent
100 to 800	40
2000	

*The max. speed is the speed when the motor mounted by the customer can output a rotation speed of 3000 rpm.

Allowable overhang length

*Refer to page 390 for details.

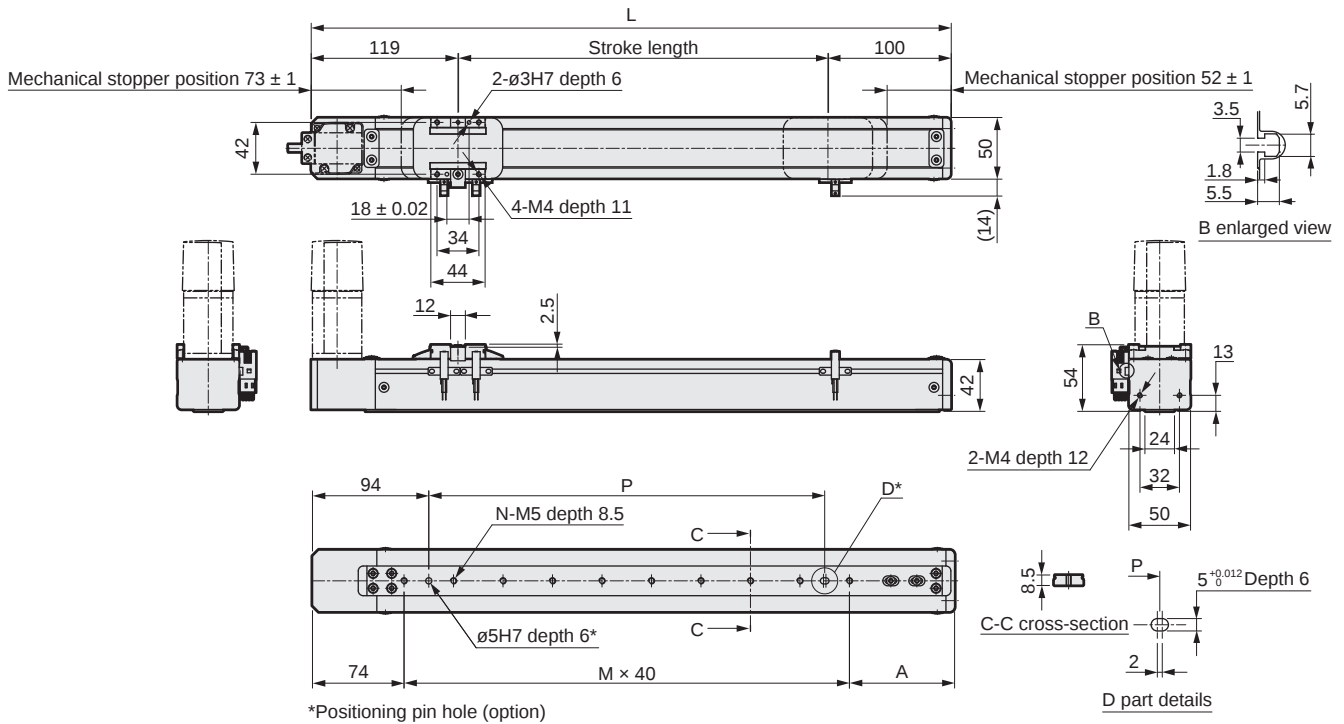
Moment direction



Safety precautions

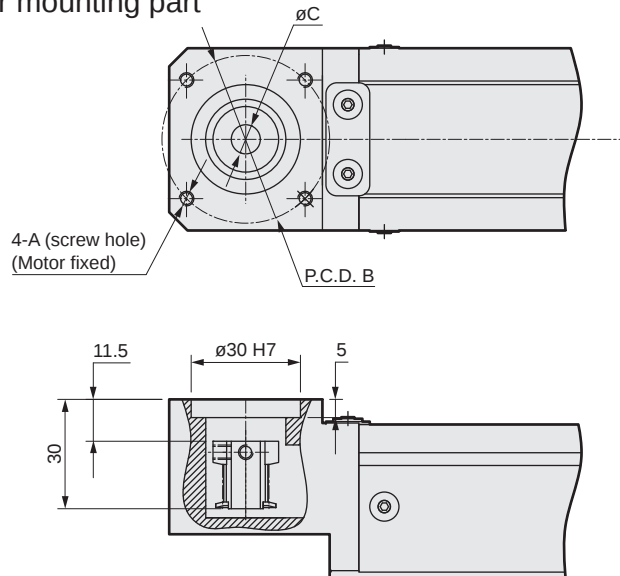
Dimensions Motor top mounting

● ETV-05-*****-U



Stroke length (mm)	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	319	369	419	469	519	569	619	669	719	769	819	869	919	969	1019
A	85	95	65	75	85	95	65	75	85	95	65	75	85	95	65
M	4	5	7	8	9	10	12	13	14	15	17	18	19	20	22
N	5	6	8	9	10	11	13	14	15	16	18	19	20	21	23
P	120	160	240	280	320	360	440	480	520	560	640	680	720	760	800
Weight (kg)	2.2	2.3	2.4	2.5	2.7	2.8	2.8	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7

Motor mounting part



Mounted motor specification	A	B	C	Motor mounting bolt
M 100 W	M4	$\phi 46$	$\phi 8$	4-M4 $\times$ L12
Y 100 W	M4	$\phi 46$	$\phi 8$	4-M4 $\times$ L12
P 100 W	M3	$\phi 45$	$\phi 8$	4-M3 $\times$ L12
F 100 W	M4	$\phi 46$	$\phi 8$	4-M4 $\times$ L12

List of attachments

[Motor mounting parts]

Mounted motor specification	Timing belt, pulley	Motor capacity	Motor mounting bolt	
			Size	Quantity
M	Included at shipment	100 W	M4	2
Y			M4	2
P			M3	4
F			M4	2

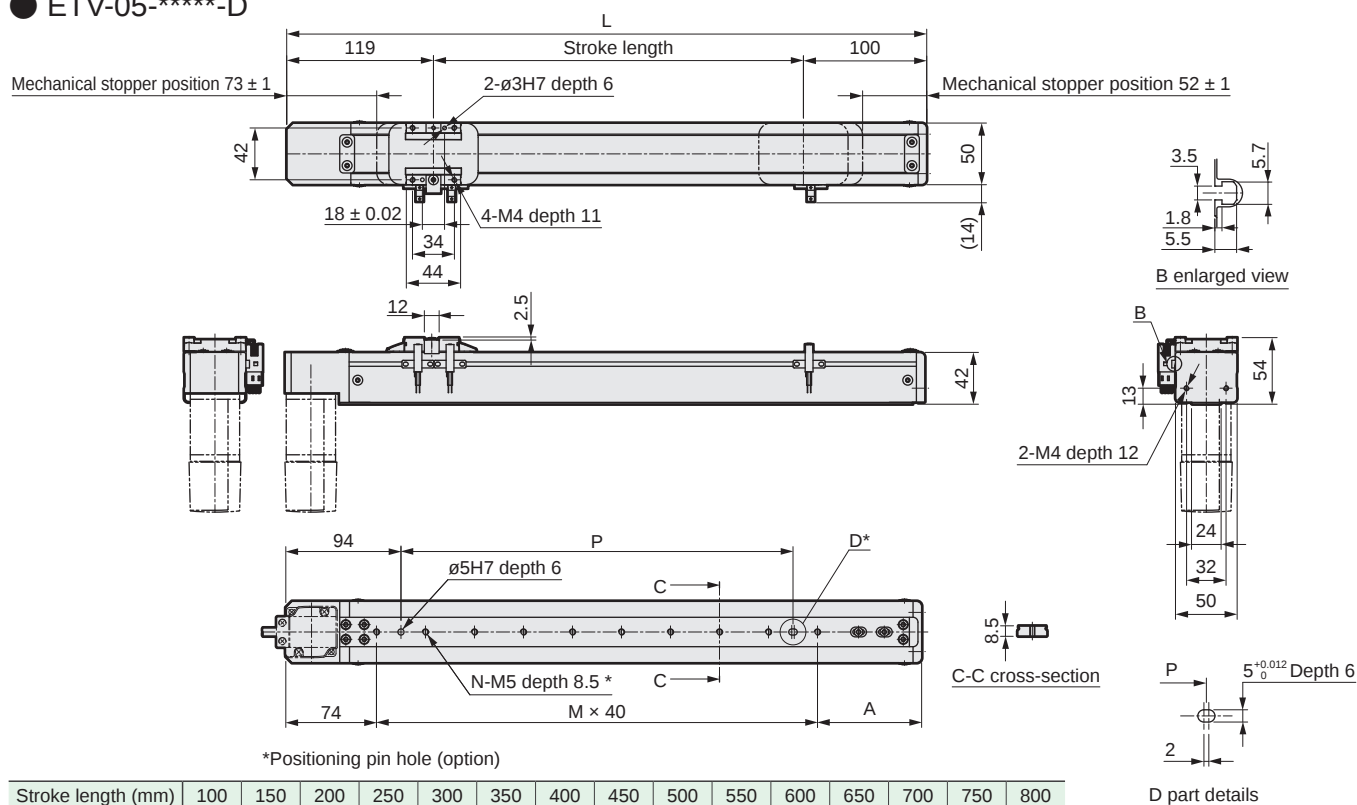
[Origin sensor/Limit sensor]

Manufacturer	Model	Quantity
OMRON Corporation	EE-SX672	3

*Refer to page 392 for sensor specifications.

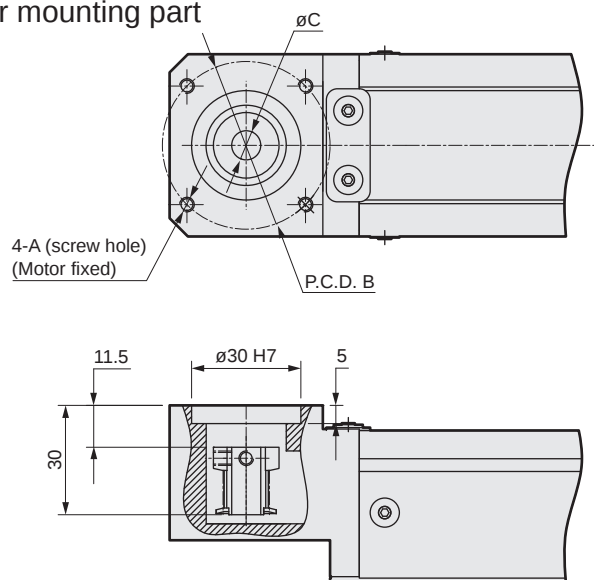
Dimensions Motor bottom mounting

● ETV-05-*****-D



Stroke length (mm)	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	319	369	419	469	519	569	619	669	719	769	819	869	919	969	1019
A	85	95	65	75	85	95	65	75	85	95	65	75	85	95	65
M	4	5	7	8	9	10	12	13	14	15	17	18	19	20	22
N	5	6	8	9	10	11	13	14	15	16	18	19	20	21	23
P	120	160	240	280	320	360	440	480	520	560	640	680	720	760	800
Weight (kg)	2.2	2.3	2.4	2.5	2.7	2.8	2.8	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7

Motor mounting part



Mounted motor specification	A	B	C	Motor mounting bolt
M 100 W	M4	ø46	ø8	4-M4 × L12
Y 100 W	M4	ø46	ø8	4-M4 × L12
P 100 W	M3	ø45	ø8	4-M3 × L12
F 100 W	M4	ø46	ø8	4-M4 × L12

List of attachments

[Motor mounting parts]

Mounted motor specification	Timing belt, pulley	Motor capacity	Motor mounting bolt	
			Size	Quantity
M	Included at shipment	100 W	M4	2
Y			M4	2
P			M3	4
F			M4	2

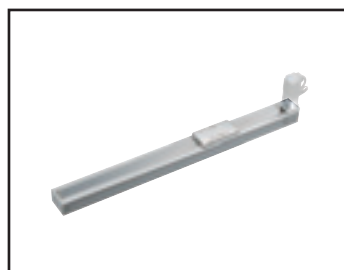
[Origin sensor/Limit sensor]

Manufacturer	Model	Quantity
OMRON Corporation	EE-SX672	3

*Refer to page 392 for sensor specifications.

MEMO

Servo motor compatible							Stepper motor compatible				Safety precautions
EBS	EBR	ETS	ETS Multi-Axis	ECS	ETV	ECV	EKS	EBS	EBR	ETS	ECS



Electric actuator Belt

ETV-06 Series

Motor side mounting (left, right, bottom)

● Servo motor capacity: 100 W

How to order

ETV - 06 - 40 - 010 - U M 1 X N N N N

A Body size
06 Body width 65 mm

B Lead equivalent
40 40 mm

C Stroke length
010 to 080 100 mm (In 50 mm increments) 800 mm

D Motor mounting direction
U Top mounting
D Bottom mounting

E Mounted motor specification
M Select the mounted motor specification from the table below.
Y
P
F

F Motor capacity
1 100 W

G Driving belt
X Standard (rubber)

H Origin sensor (1 pc)
*1 *2
N None
C Outside motor side
D Outside motor opposite side

I Limit sensor (2 pcs)
*1 *2
N None
B Outside

K Positioning pin hole
N None
P Yes

J Grease nipple
*3 *4
N None (Body mounting direction: Standard)
D None (Body mounting direction: Bottom side)

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.

*2: The user can adjust the sensor position. (Included at shipment)

*3: Select the body mounting direction. N (top side ø4.5 spot face) or D (M5 from bottom side bottom surface)

*4: "Body mounting direction: Standard" here refers to mounting from the top.

*Refer to page 347 for the motor model No.

Specifications

Applicable motor capacity	100 W servo motor
Drive method	Belt width 12 mm
Stroke length mm	100 to 800
Lead equivalent mm	40
Max. load capacity Horizontal kg	3
*1 Vertical kg	-
Max. speed mm/s	2000
Rated thrust *1 N	42
Repeatability mm	±0.08
Lost motion	0.2 mm or less
Dynamic allowable load N	1209.1
Static allowable moment N·m	MP: 80, MY: 70, MR: 75
Dynamic allowable moment N·m	MP: 8.9, MY: 8.9, MR: 24.8
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

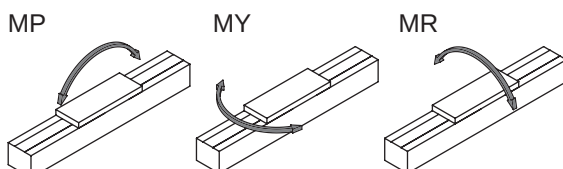
Stroke length	(mm/s)
Lead equivalent	100 to 800
40	2000

*The max. speed is the speed when the motor mounted by the customer can output a rotation speed of 3000 rpm.

Allowable overhang length

*Refer to page 390 for details.

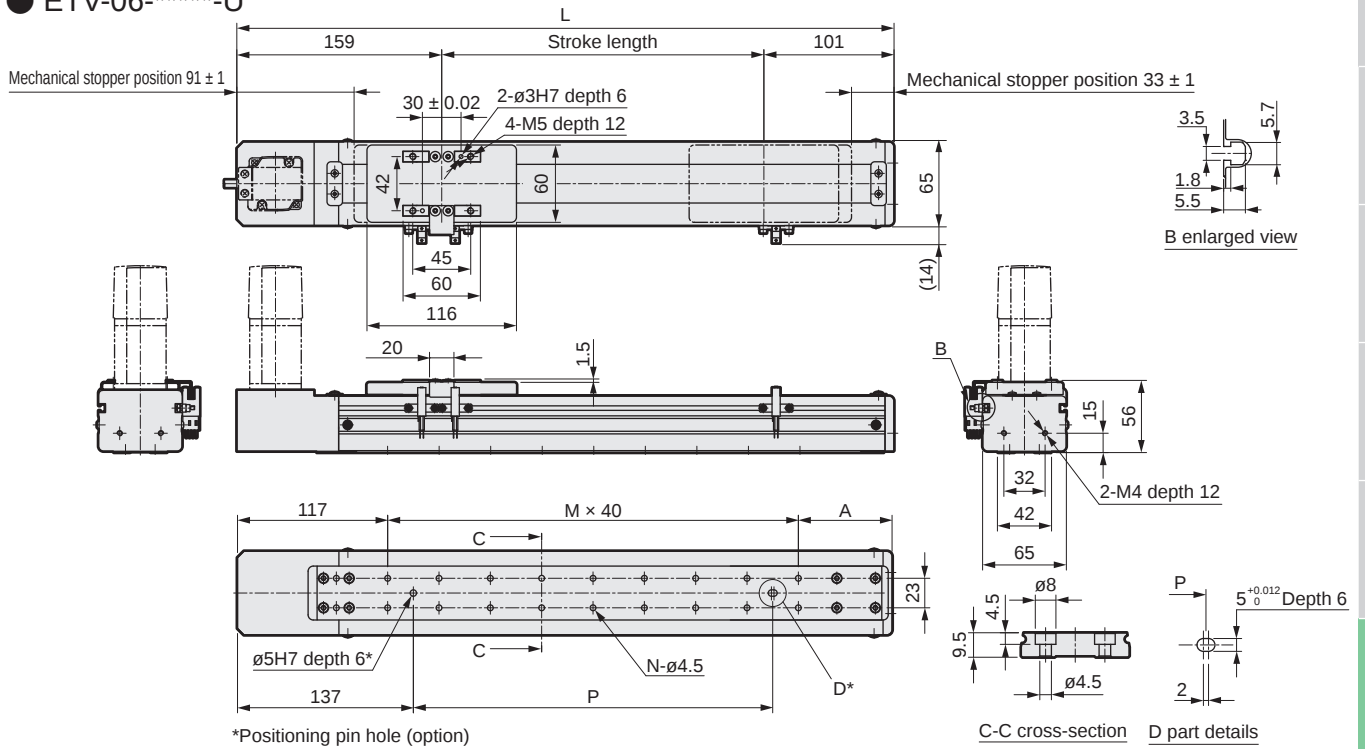
Moment direction



Safety precautions

Dimensions Motor top mounting

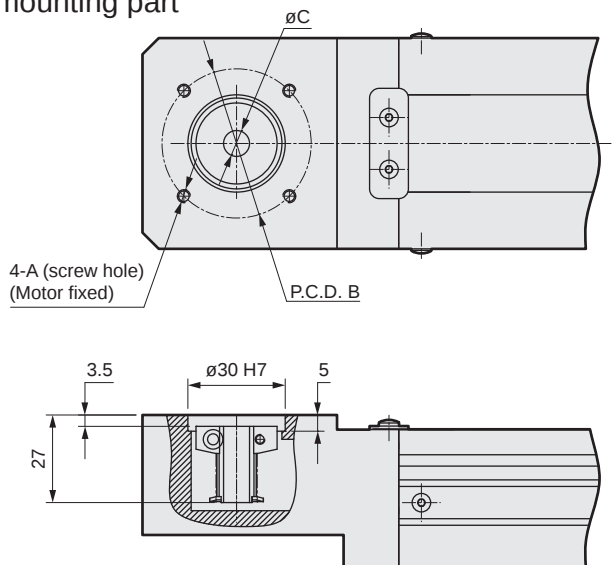
ETV-06-*****-U



Stroke length (mm)	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060
A	83	93	63	73	83	93	63	73	83	93	63	73	83	93	63
M	4	5	7	8	9	10	12	13	14	15	17	18	19	20	22
N	10	12	16	18	20	22	26	28	30	32	36	38	40	42	46
P	120	160	240	280	320	360	440	480	520	560	640	680	720	760	840
Weight (kg)	2.5	2.6	2.8	3.0	3.3	3.4	3.5	3.7	3.9	4.1	4.2	4.4	4.6	4.8	4.9

*N-M5 when J Grease nipple is D.

Motor mounting part



Mounted motor specification	A	B	C	Motor mounting bolt
M 100 W	M4	ø46	ø8	4-M4 × L12
Y 100 W	M4	ø46	ø8	4-M4 × L12
P 100 W	M3	ø45	ø8	4-M3 × L12
F 100 W	M4	ø46	ø8	4-M4 × L12

List of attachments

[Motor mounting parts]

Mounted motor specification	Timing belt, pulley	Motor capacity	Motor mounting bolt	
			Size	Quantity
M	Included at shipment	100 W	M4	2
Y			M4	2
P			M3	4
F			M4	2

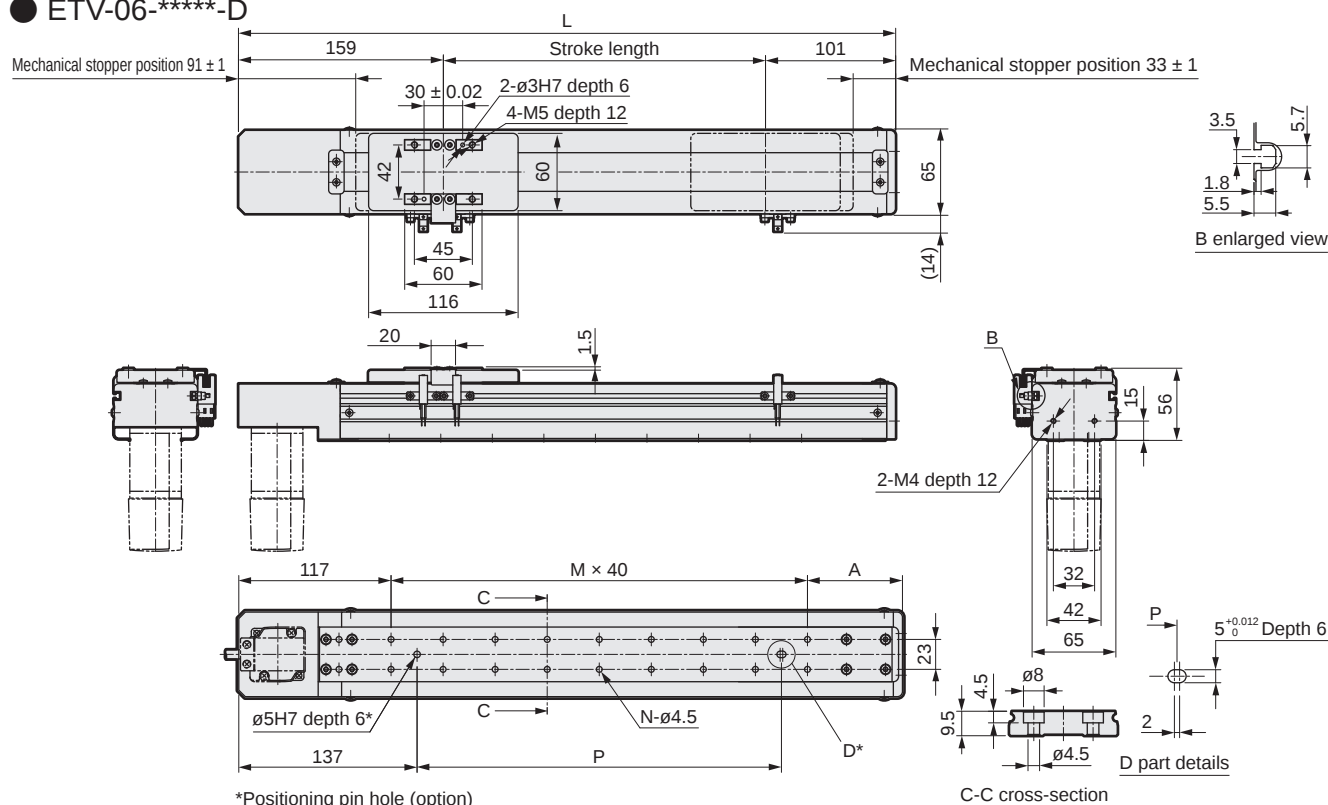
[Origin sensor/Limit sensor]

Manufacturer	Model	Quantity
OMRON Corporation	EE-SX672	3

*Refer to page 392 for sensor specifications.

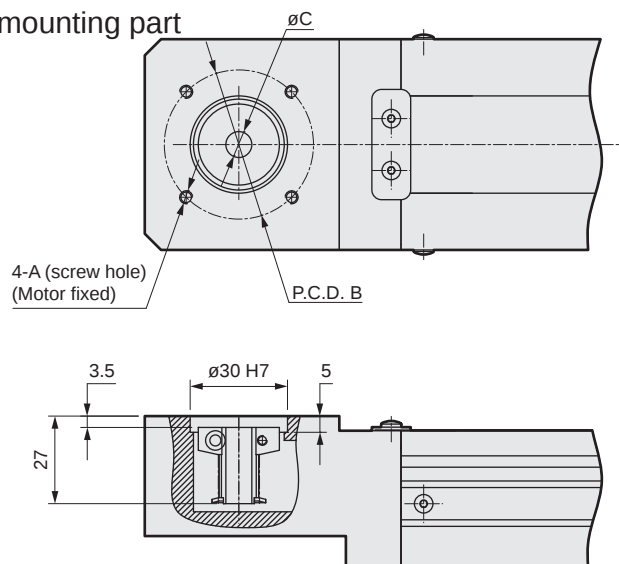
Dimensions Motor bottom mounting

● ETV-06-*****-D



Stroke length (mm)	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060
A	83	93	63	73	83	93	63	73	83	93	63	73	83	93	63
M	4	5	7	8	9	10	12	13	14	15	17	18	19	20	22
N	10	12	16	18	20	22	26	28	30	32	36	38	40	42	46
P	120	160	240	280	320	360	440	480	520	560	640	680	720	760	840
Weight (kg)	2.5	2.6	2.8	3.0	3.3	3.4	3.5	3.7	3.9	4.1	4.2	4.4	4.6	4.8	4.9

Motor mounting part



Mounted motor specification	A	B	C	Motor mounting bolt
M 100 W	M4	ø46	ø8	4-M4 × L12
Y 100 W	M4	ø46	ø8	4-M4 × L12
P 100 W	M3	ø45	ø8	4-M3 × L12
F 100 W	M4	ø46	ø8	4-M4 × L12

List of attachments

[Motor mounting parts]

Mounted motor specification	Timing belt, pulley	Motor capacity	Motor mounting bolt	
			Size	Quantity
M	Included at shipment	100 W	M4	2
Y			M4	2
P			M3	4
F			M4	2

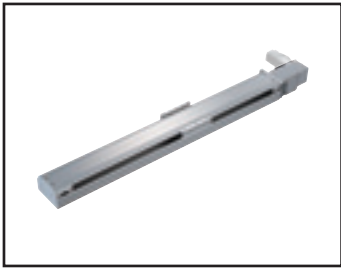
[Origin sensor/Limit sensor]

Manufacturer	Model	Quantity
OMRON Corporation	EE-SX672	3

*Refer to page 392 for sensor specifications.

MEMO

Servo motor compatible							Stepper motor compatible				Safety precautions
EBS	EBR	ETS	ETS Multi-Axis	ECS	ETV	ECV	EKS	EBS	EBR	ETS	ECS



Electric actuator Belt

ETV-10 Series

Motor side mounting (left, right, bottom)

● Servo motor capacity: 100 W

How to order

ETV - 10 - 32 010 - R M 1 X N N N N

A B C D E F G H I J K

A Body size
10 Body width 102 mm

B Lead equivalent
32 32 mm

C Stroke length
010 100 mm
to (In 50 mm increments)
255 2550 mm

D Motor mounting direction *5
R Right mounting
S Right top mounting
T Right bottom mounting
L Left mounting
V Left top mounting
W Left bottom mounting

E Mounted motor specification
M Select the mounted motor specification from the table below.
Y
P
F

F Motor capacity
1 100 W

G Driving belt
X Standard (rubber)
L Low dust generation (urethane)

H Origin sensor (1 pc)
*1 *2 *3
N None
C Outside motor side
D Outside motor opposite side

I Limit sensor (2 pcs)
*1 *2 *3
N None
B Outside

J Grease nipple *3 *4 *5
N None (Body mounting direction: Standard)
R Right
L Left

K Positioning pin hole
N None
P 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.
*2: The user can adjust the sensor position. (Included at shipment)
*3: Contact CKD to use the origin sensor, limit sensor and grease nipple in the same direction.
*4: "Body mounting direction: Standard" here indicates that either top or bottom mounting is possible.
*5: When selecting motor mounting direction R, S, or T, grease nipple R cannot be selected.
When selecting L, V, or W, grease nipple L cannot be selected.

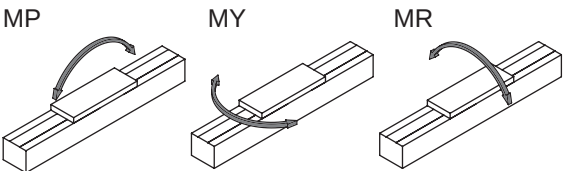
*Refer to page 347 for the motor model No.

Specifications

Applicable motor capacity	100 W servo motor
Drive method	Belt width 15 mm
Stroke length mm	100 to 2550
Lead equivalent mm	32
Max. load capacity	Horizontal kg 10
*1	Vertical kg -
Max. speed mm/s	1600
Rated thrust *1 N	61
Repeatability mm	±0.04
Lost motion	0.1 mm or less
Dynamic allowable load N	2651.4
Static allowable moment N·m	MP: 110, MY: 110, MR: 120
Dynamic allowable moment N·m	MP: 24.1, MY: 24.1, MR: 24.8
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.

Moment direction



Stroke and max. speed

Stroke length	(mm/s)
Lead equivalent	100 to 2550
32	1600

*The max. speed is the speed when the motor mounted by the customer can output a rotation speed of 3000 rpm.

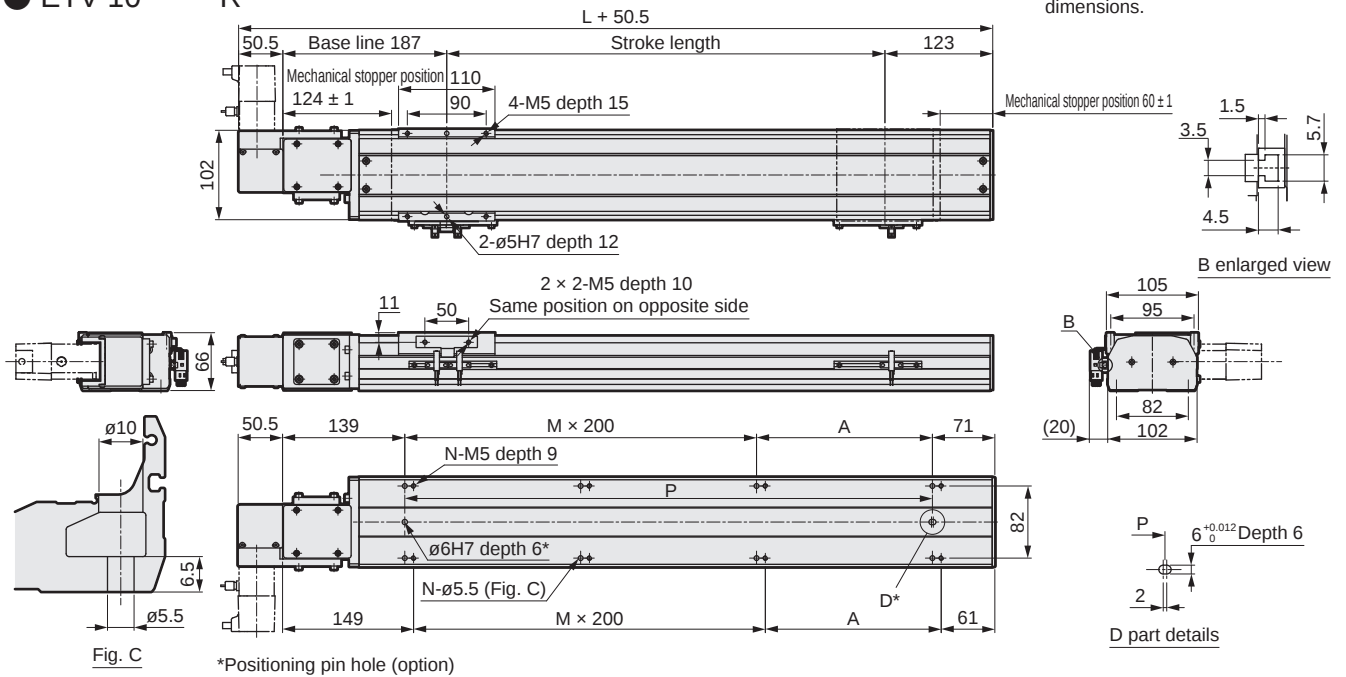
Allowable overhang length

*Refer to page 390 for details.

Dimensions Motor right-side mounting

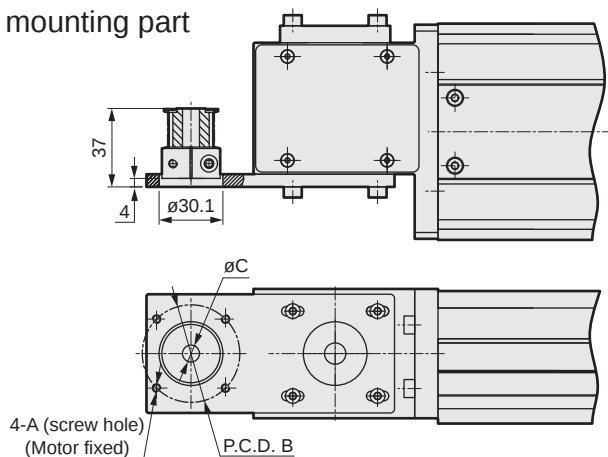
● ETV-10-*****-R

- Refer to page 394 for grease nipple dimensions.



Stroke length (mm)	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
L	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	12	12	12	12	12	14	14	14	14	16	16	16	16
P	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
Weight (kg)	6.8	7.2	7.7	8.1	8.5	8.9	9.3	9.8	10.2	10.6	11.0	11.5	11.9	12.3	12.7	13.2	13.6	14.0	14.4	14.8	15.3	15.7	16.1	16.5	16.9
Stroke length (mm)	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360	2410	2460	2510	2560	2610	2660	2710	2760	2810	2860
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
P	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650
Weight (kg)	17.4	17.8	18.2	18.6	19.0	19.5	19.9	20.3	20.7	21.1	21.6	22.0	22.4	22.8	23.2	23.7	24.1	24.5	24.9	25.3	25.8	26.2	26.6	27.0	27.4

Motor mounting part



Mounted motor specification		A	B	C	Motor mounting bolt
M	100 W	M4	ø46	ø8	4-M4 × L12
Y	100 W	M4	ø46	ø8	4-M4 × L12
P	100 W	M3	ø45	ø8	4-M3 × L12
F	100 W	M4	ø46	ø8	4-M4 × L12

List of attachments

[Motor mounting parts]

Mounted motor specification	Timing belt, pulley	Motor capacity	Motor mounting bolt	
			Size	Quantity
M	Included at shipment	100 W	M4	2
Y			M4	2
P			M3	4
F			M4	2

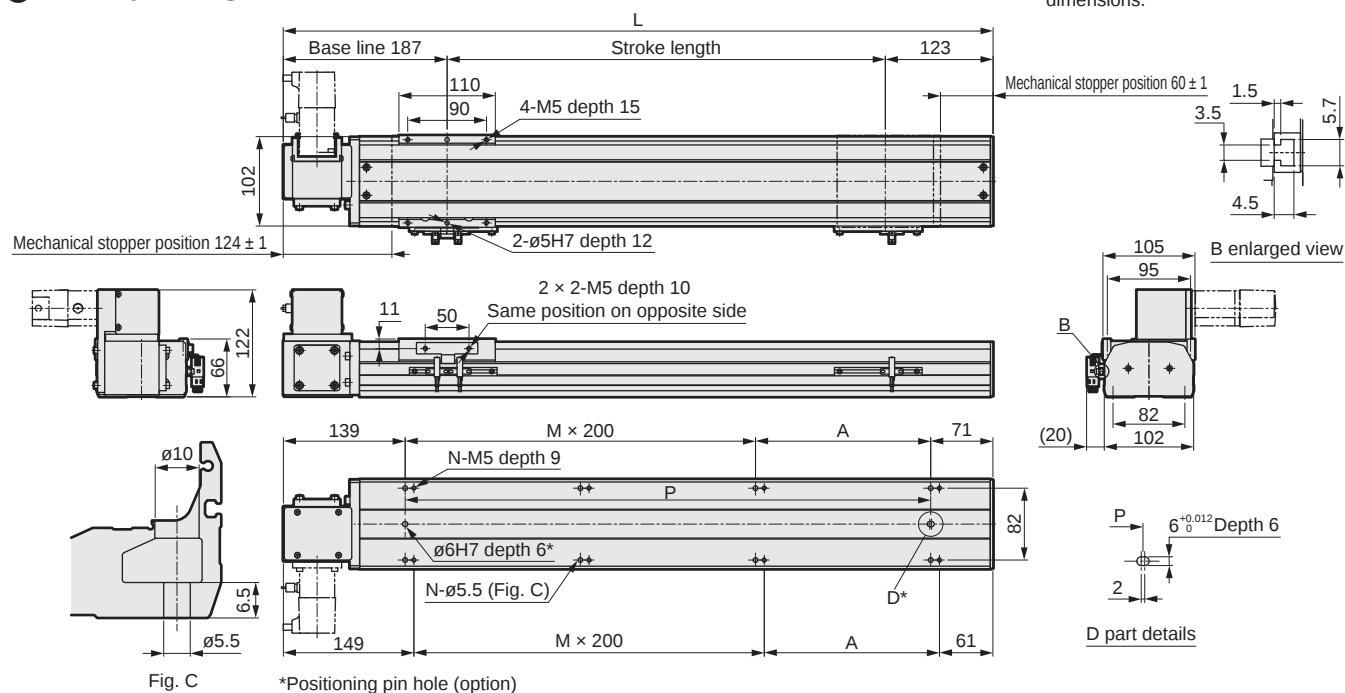
[Origin sensor/Limit sensor]

Manufacturer	Model	Quantity
OMRON Corporation	EE-SX672	3

*Refer to page 392 for sensor specifications.

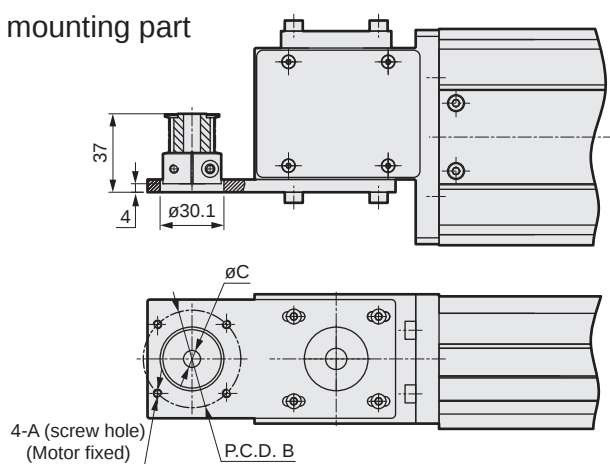
● ETV-10-*****-S

- Refer to page 394 for grease nipple dimensions.



Stroke length (mm)	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
L	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
P	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
Weight (kg)	6.8	7.2	7.7	8.1	8.5	8.9	9.3	9.8	10.2	10.6	11.0	11.5	11.9	12.3	12.7	13.2	13.6	14.0	14.4	14.8	15.3	15.7	16.1	16.5	16.9
Stroke length (mm)	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360	2410	2460	2510	2560	2610	2660	2710	2760	2810	2860
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
P	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650
Weight (kg)	17.4	17.8	18.2	18.6	19.0	19.5	19.9	20.3	20.7	21.1	21.6	22.0	22.4	22.8	23.2	23.7	24.1	24.5	24.9	25.3	25.8	26.2	26.6	27.0	27.4

Motor mounting part



Mounted motor specification		A	B	C	Motor mounting bolt
M	100 W	M4	ø46	ø8	4-M4 × L12
Y	100 W	M4	ø46	ø8	4-M4 × L12
P	100 W	M3	ø45	ø8	4-M3 × L12
F	100 W	M4	ø46	ø8	4-M4 × L12

List of attachments

[Motor mounting parts]

Mounted motor specification	Timing belt, pulley	Motor capacity	Motor mounting bolt	
			Size	Quantity
M	Included at shipment	100 W	M4	2
Y			M4	2
P			M3	4
F			M4	2

[Origin sensor/Limit sensor]

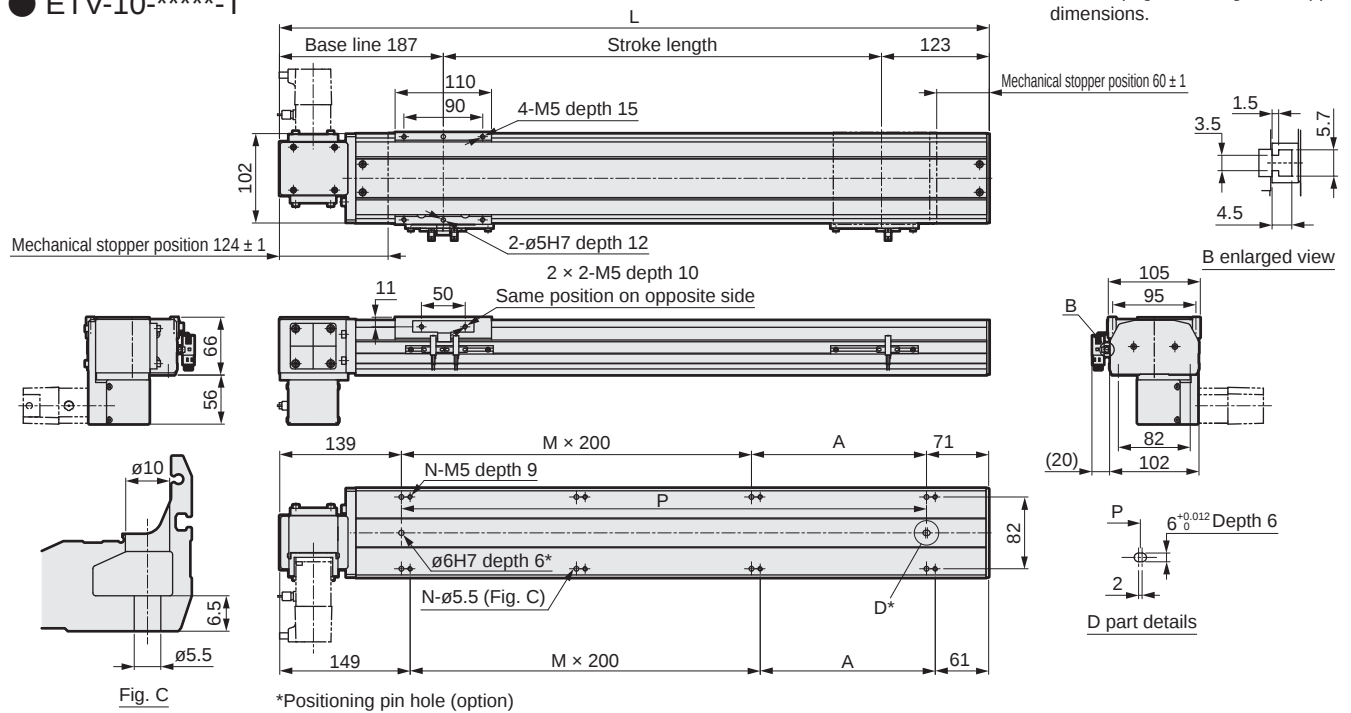
Manufacturer	Model	Quantity
OMRON Corporation	EE-SX672	3

*Refer to page 392 for sensor specifications.

Dimensions Motor right bottom mounting

● ETV-10-*****-T

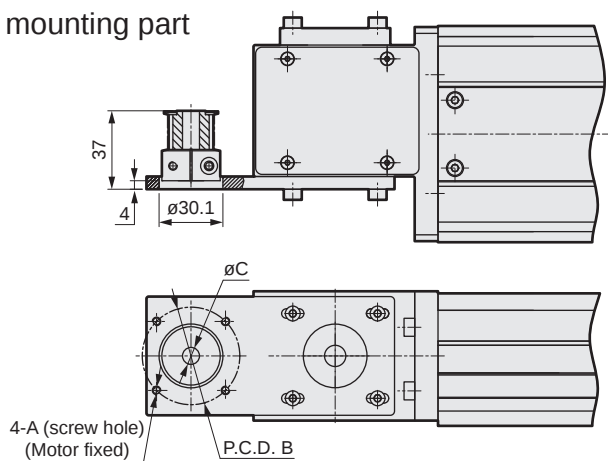
· Refer to page 394 for grease nipple dimensions.



Stroke length (mm)	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
L	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
P	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
Weight (kg)	6.8	7.2	7.7	8.1	8.5	8.9	9.3	9.8	10.2	10.6	11.0	11.5	11.9	12.3	12.7	13.2	13.6	14.0	14.4	14.8	15.3	15.7	16.1	16.5	16.9

Stroke length (mm)	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360	2410	2460	2510	2560	2610	2660	2710	2760	2810	2860
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	13	
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
P	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650
Weight (kg)	17.4	17.8	18.2	18.6	19.0	19.5	19.9	20.3	20.7	21.1	21.6	22.0	22.4	22.8	23.2	23.7	24.1	24.5	24.9	25.3	25.8	26.2	26.6	27.0	27.4

Motor mounting part



Mounted motor specification	A	B	C	Motor mounting bolt
M 100 W	M4	ø46	ø8	4-M4 × L12
Y 100 W	M4	ø46	ø8	4-M4 × L12
P 100 W	M3	ø45	ø8	4-M3 × L12
F 100 W	M4	ø46	ø8	4-M4 × L12

List of attachments

[Motor mounting parts]

Mounted motor specification	Timing belt, pulley	Motor capacity	Motor mounting bolt	
			Size	Quantity
M	Included at shipment	100 W	M4	2
Y			M4	2
P			M3	4
F			M4	2

[Origin sensor/Limit sensor]

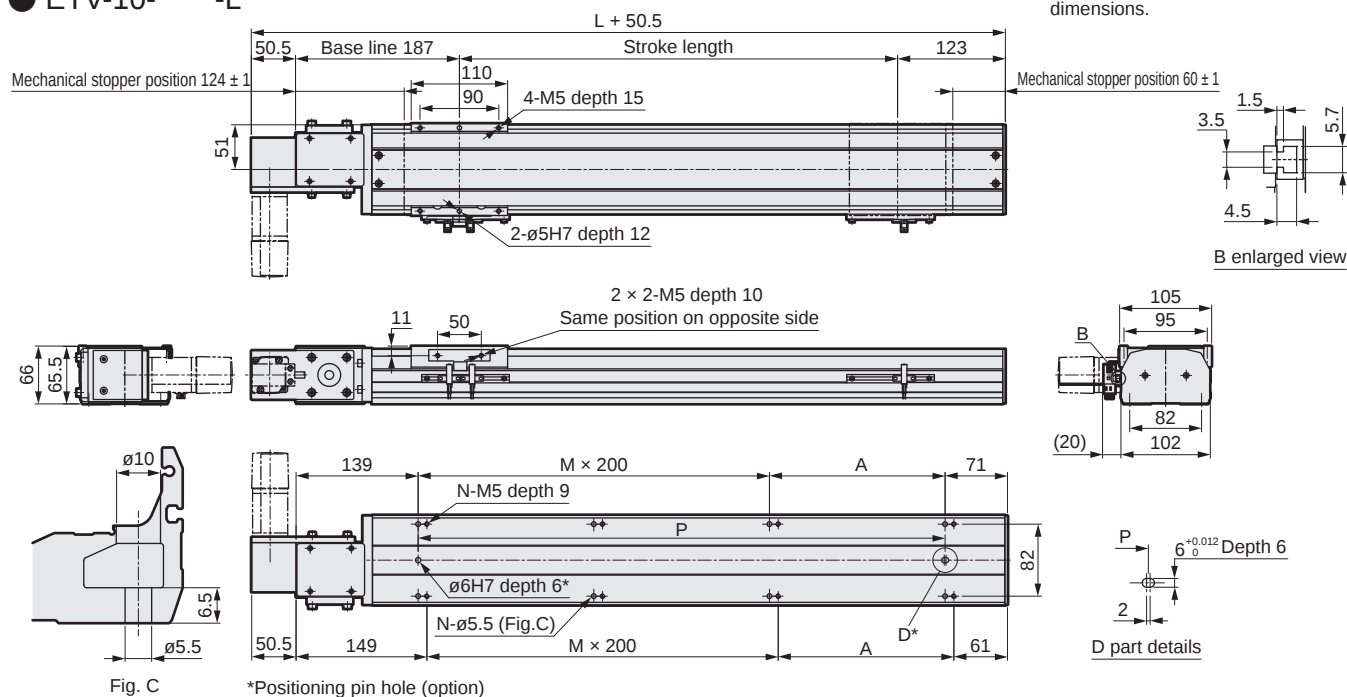
Manufacturer	Model	Quantity
OMRON Corporation	EE-SX672	3

*Refer to page 392 for sensor specifications.

Dimensions Motor left-side mounting

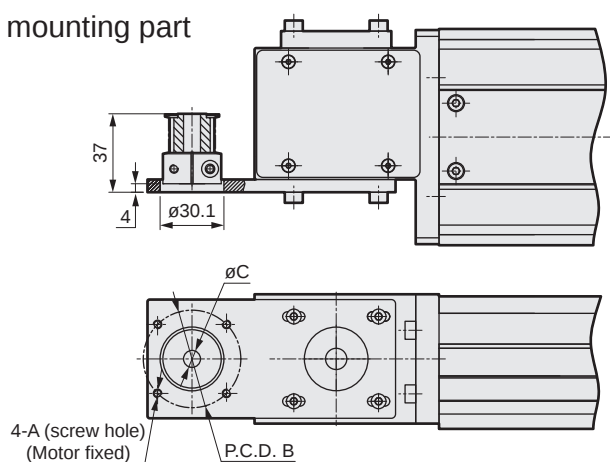
● ETV-10-*****-L

- Refer to page 394 for grease nipple dimensions.



Stroke length (mm)	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
L	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
P	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
Weight (kg)	6.8	7.2	7.7	8.1	8.5	8.9	9.3	9.8	10.2	10.6	11.0	11.5	11.9	12.3	12.7	13.2	13.6	14.0	14.4	14.8	15.3	15.7	16.1	16.5	16.9
Stroke length (mm)	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360	2410	2460	2510	2560	2610	2660	2710	2760	2810	2860
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
P	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650
Weight (kg)	17.4	17.8	18.2	18.6	19.0	19.5	19.9	20.3	20.7	21.1	21.6	22.0	22.4	22.8	23.2	23.7	24.1	24.5	24.9	25.3	25.8	26.2	26.6	27.0	27.4

Motor mounting part



Mounted motor specification		A	B	C	Motor mounting bolt
M	100 W	M4	ø46	ø8	4-M4 × L12
Y	100 W	M4	ø46	ø8	4-M4 × L12
P	100 W	M3	ø45	ø8	4-M3 × L12
F	100 W	M4	ø46	ø8	4-M4 × L12

List of attachments

[Motor mounting parts]

Mounted motor specification	Timing belt, pulley	Motor capacity	Motor mounting bolt	
			Size	Quantity
M	Included at shipment	100 W	M4	2
Y			M4	2
P			M3	4
F			M4	2

[Origin sensor/Limit sensor]

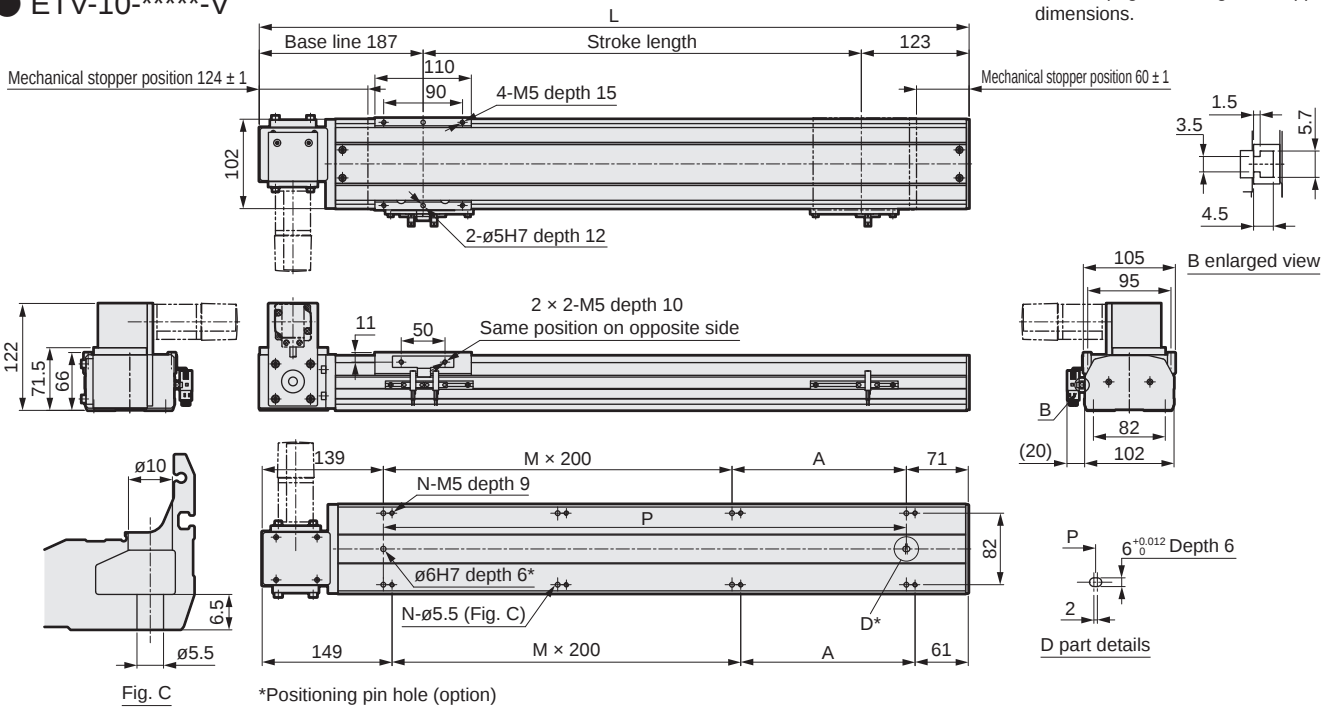
Manufacturer	Model	Quantity
OMRON Corporation	EE-SX672	3

*Refer to page 392 for sensor specifications.

Dimensions Motor left top mounting

● ETV-10-****-V

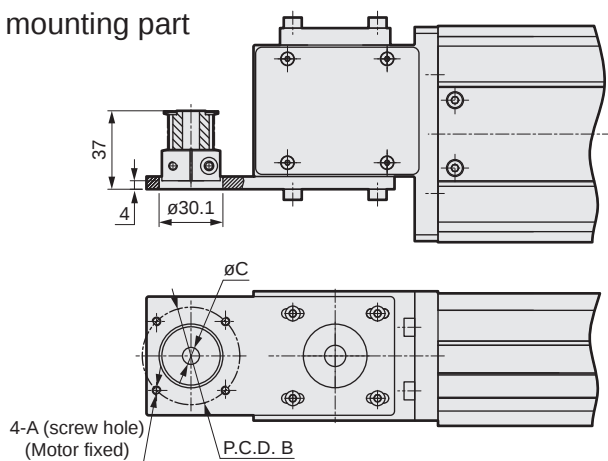
· Refer to page 394 for grease nipple dimensions.



Stroke length (mm)	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
L	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
P	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
Weight (kg)	6.8	7.2	7.7	8.1	8.5	8.9	9.3	9.8	10.2	10.6	11.0	11.5	11.9	12.3	12.7	13.2	13.6	14.0	14.4	14.8	15.3	15.7	16.1	16.5	16.9

Stroke length (mm)	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360	2410	2460	2510	2560	2610	2660	2710	2760	2810	2860
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
P	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650
Weight (kg)	17.4	17.8	18.2	18.6	19.0	19.5	19.9	20.3	20.7	21.1	21.6	22.0	22.4	22.8	23.2	23.7	24.1	24.5	24.9	25.3	25.8	26.2	26.6	27.0	27.4

Motor mounting part



Mounted motor specification	A	B	C	Motor mounting bolt
M 100 W	M4	Ø46	Ø8	4-M4 × L12
Y 100 W	M4	Ø46	Ø8	4-M4 × L12
P 100 W	M3	Ø45	Ø8	4-M3 × L12
F 100 W	M4	Ø46	Ø8	4-M4 × L12

List of attachments

[Motor mounting parts]

Mounted motor specification	Timing belt, pulley	Motor capacity	Motor mounting bolt	
			Size	Quantity
M	Included at shipment	100 W	M4	2
Y			M4	2
P			M3	4
F			M4	2

[Origin sensor/Limit sensor]

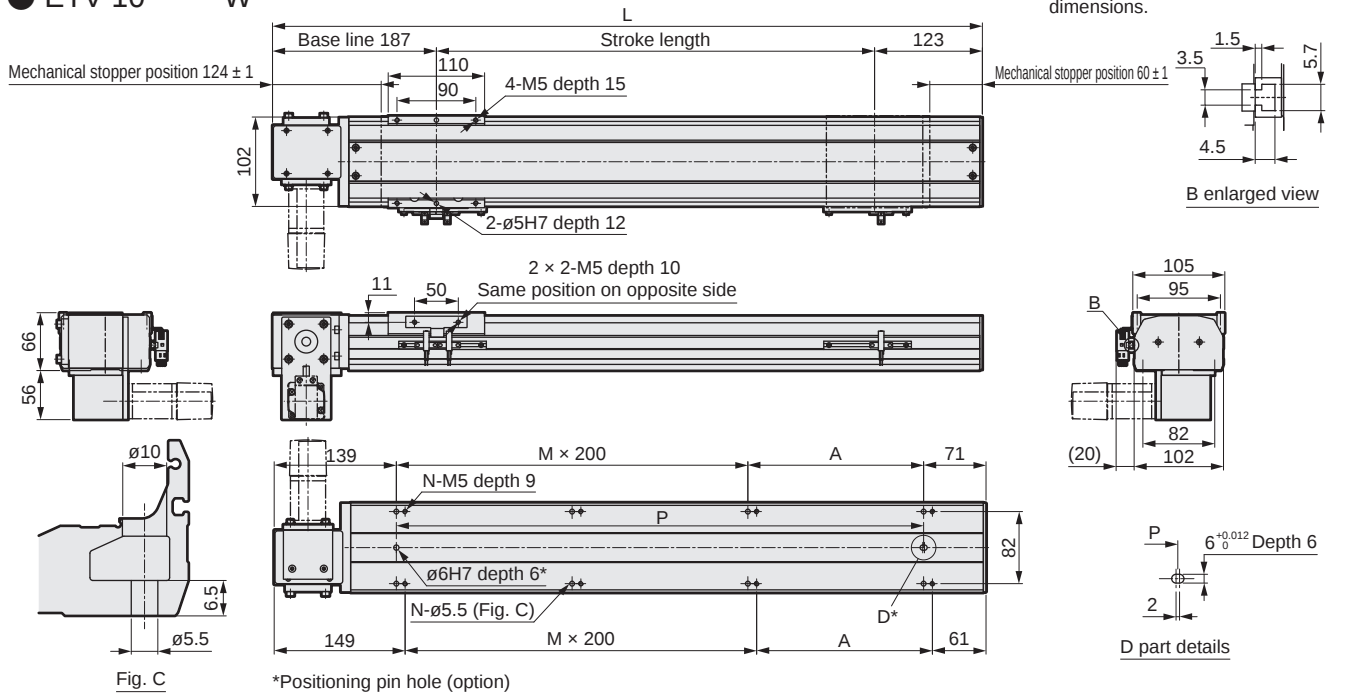
Manufacturer	Model	Quantity
OMRON Corporation	EE-SX672	3

*Refer to page 392 for sensor specifications.

ETV-10 Series

Dimensions Motor left bottom mounting

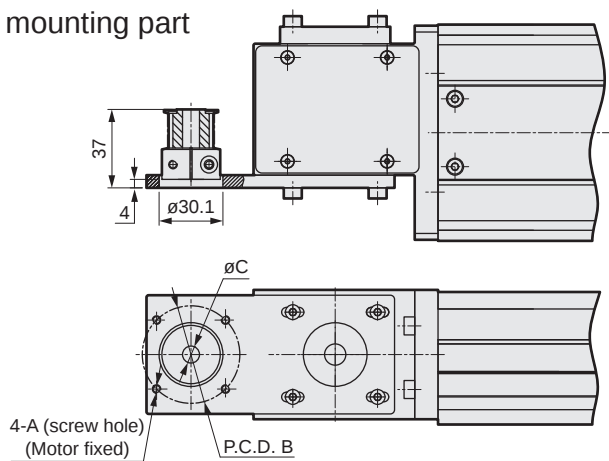
ETV-10-*****-W



Stroke length (mm)	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
L	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
P	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
Weight (kg)	6.8	7.2	7.7	8.1	8.5	8.9	9.3	9.8	10.2	10.6	11.0	11.5	11.9	12.3	12.7	13.2	13.6	14.0	14.4	14.8	15.3	15.7	16.1	16.5	16.9

Stroke length (mm)	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360	2410	2460	2510	2560	2610	2660	2710	2760	2810	2860
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
P	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650
Weight (kg)	17.4	17.8	18.2	18.6	19.0	19.5	19.9	20.3	20.7	21.1	21.6	22.0	22.4	22.8	23.2	23.7	24.1	24.5	24.9	25.3	25.7	26.2	26.6	27.0	27.4

Motor mounting part



Mounted motor specification	A	B	C	Motor mounting bolt
M 100 W	M4	ø46	ø8	4-M4 × L12
Y 100 W	M4	ø46	ø8	4-M4 × L12
P 100 W	M3	ø45	ø8	4-M3 × L12
F 100 W	M4	ø46	ø8	4-M4 × L12

List of attachments

[Motor mounting parts]

Mounted motor specification	Timing belt, pulley	Motor capacity	Motor mounting bolt	
			Size	Quantity
M	Included at shipment	100 W	M4	2
Y			M4	2
P			M3	4
F			M4	2

[Origin sensor/Limit sensor]

Manufacturer	Model	Quantity
OMRON Corporation	EE-SX672	3

*Refer to page 392 for sensor specifications.