

LBAS04

Basic model

Motor-less Single Axis Actuator

Slider type



Ordering method

LBAS04

Model	Lead	Shape	Motor specification	Stroke
	12: 12 mm 6: 6 mm	S: Straight A: Bending	Y: Y specification (see below) P: P specification (see below) A: A specification (see below) S: S specification (see below) N: N specification (see below)	50 to 800 (50 mm pitch)

[Caution]

This system is provided as mechanical actuator unit and not including any adopters or electric components. Motor, driver and other components required for installation are the user's responsibility. Refer to user's manual for installation details. Refer to your motor manual for tuning or adjustment. Vibration or resonance from actuator will affect service life of actuator. The product performance may not be satisfied depending on the compatible motor. For special parts for motor installation, install and adjust on your side.

Specifications

Applicable motor	50 W	
Repeatability ^{Note 1}	±0.01 mm	
Deceleration mechanism	Shifting position ball screw φ 10 (C7 class)	
Stroke	50 mm to 800 mm (50 mm pitch)	
Maximum speed ^{Note 2} (or equivalent)	800 mm/sec	400 mm/sec
Ball screw lead	12 mm	6 mm
Maximum payload ^{Note 3} (or equivalent)	Horizontal	12 kg
	Vertical	2 kg
Rated thrust ^{Note 3} (or equivalent)	Horizontal	12 kg
	Vertical	2 kg
Maximum dimensions of cross section of main unit	W 44 mm × H 52 mm	
Overall length	Straight	ST + 214 mm
	Bending	ST + 196 mm
Using ambient temperature and humidity	0 to 40 °C, 35 to 80 %RH (non-condensing)	

Note 1. Positioning repeatability in one direction.

Note 2. When a moving distance is short and depending on an operation condition, it may not reach the maximum speed.

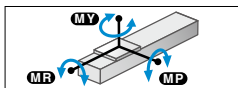
If the effective stroke exceeds 500 mm, the ball screw may resonate. (Critical speed)

At this time, make the adjustment to decrease the speed while referring to the maximum speed shown in the table.

Note 3. The rated thrust and maximum transferable weight are values assuming the attached motor outputs the rated torque.

Note. See P.106 for acceleration/deceleration and inertia moment.

Static loading moment



	MY	MP	MR
(Unit: N·m)	54	54	75

Applicable motor

• Applicable servo motor

Specification	Flange size	□ 40
	Wattage	50 W

Note. Motor models marked with * may not be 50W, but can be installed.

Motor specification	Manufacturer	Model
Y	Yaskawa Electric Corp.	SGMJV-A5
		SGMJ7-A5
	Keyence Corp.	SV- □ 005
		SV2- □ 005
	Mitsubishi Electric Corp.	HF-KP053
		HG-KR053
		HK-KT053
	Omron Electronics	R88M-K05030
		R88M-1M05030
	Panasonic Corp.	MHMF5A
	Sanyo Denki	R2 □ A04005
	Tamagawa Seiki	TSM3102
	Delta Electronics	ECMA-C1040F
	Fanuc Corp.	β iS0.2/5000
P	Siemens	1FK2102-0AG
	Schneider	1FL6022-2AF
	Beckhoff	BCH2MBA53
	Allen-Bradley	AM3011B*
	Allen-Bradley	TLY-A120*
	Panasonic Corp.	MSMD5A
		MSMF5A

• Applicable stepping motor

Specification	Flange size	□ 42
Motor specification	Manufacturer	Model
A	Oriental Motor	AZM46
		ARM46
		RKS54
S	Oriental Motor	AZM48
N	NEMA standard	NEMA17

Note. Be aware that the dimensions of the NEMA standard motor may vary depending on the manufacturer.

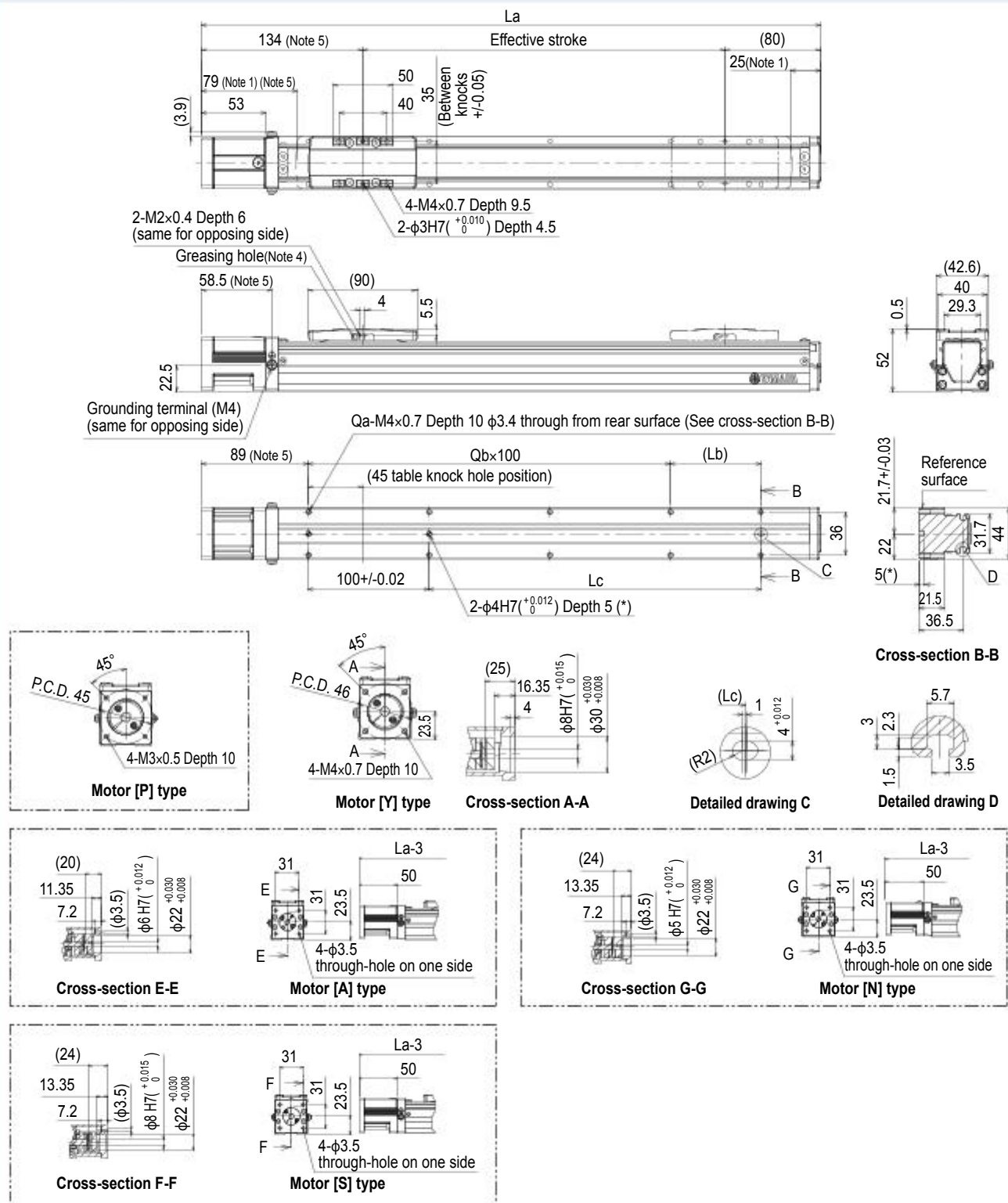
Note. For the motor specifications A, S, and N, the parts dedicated for bending cannot be used.

Access the website below.



► The cycle time simulation and service life calculation can be performed easily from our member site. For details, see P.16.

LBAS04 Straight type (S)



Note 1. Stop positions are determined by the mechanical stoppers at both ends.

Note 2. Please perform installation and adjustment on the special parts for motor installation by the customer. For detail, refer to the manual.

Note 3. For the installation through hole, the length under head $\ll 30$ mm or more $\gg$ is recommended for the hex socket head bolts $\ll M3 \times 0.5 \gg$. In the installation tap hole, the length under head $\ll$ thickness of stand ± 10 mm or less $\gg$ is recommended for the hex socket head bolts $\ll M4 \times 0.7 \gg$ used to install the main unit.

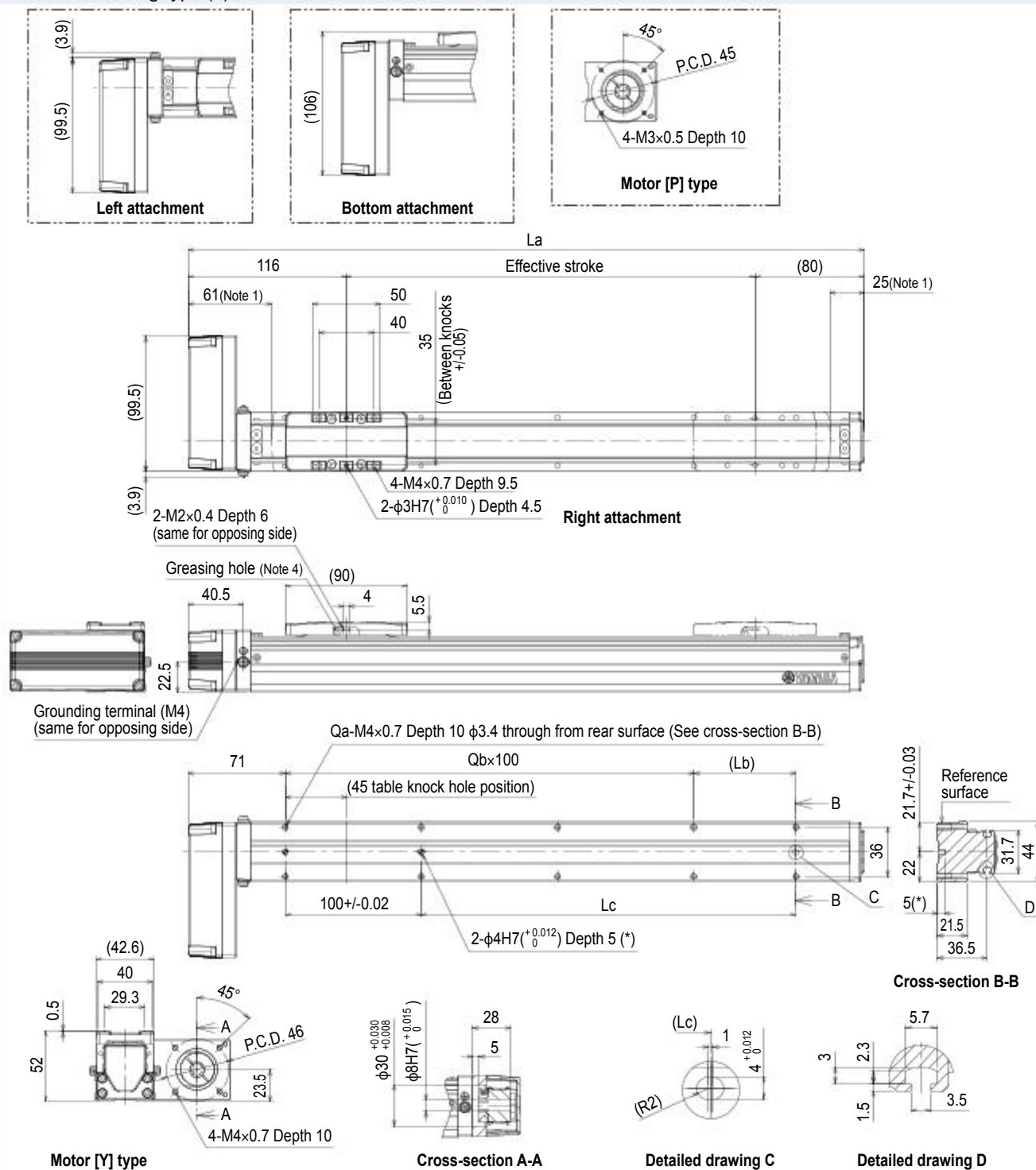
Note 4. Grease gun nozzle (recommended) (see P.143 for detail)

Part number: KFU-M3861-00

Note 5. For the motor specifications A, S, and N, the dimensions are that those stated in the table $\ll -3$ mm $\gg$.

Effective stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
La	264	314	364	414	464	514	564	614	664	714	764	814	864	914	964	1014
Lb	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
Lc	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
Qa	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
Qb	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
Weight (kg)	0.9	1.1	1.3	1.5	1.6	1.8	2	2.2	2.4	2.5	2.7	2.9	3.1	3.3	3.4	3.6
Maximum speed (mm/sec)	Lead 12										720					
	Lead 6										360					
	Speed setting										90%					

LBAS04 Bending type (A)



Note 1. Stop positions are determined by the mechanical stoppers at both ends.

Note 2. Please perform installation and adjustment on the special parts for motor installation by the customer. For detail, refer to the manual.

Note 3. For the installation through hole, the length under head ≤ 30 mm or more $\gg$ is recommended for the hex socket head bolts $\leq M3 \times 0.5$. In the installation tap hole, the length under head $\leq$ thickness of stand $+10$ mm or less $\gg$ is recommended for the hex socket head bolts $\leq M4 \times 0.7$ used to install the main unit.

Note 4. Grease gun nozzle (recommended) (see P.143 for detail)

Part number: KFU-M3861-00

Effective stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
La	246	296	346	396	446	496	546	596	646	696	746	796	846	896	946	996
Lb	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
Lc	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
Qa	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
Qb	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
Weight (kg)	1.1	1.2	1.4	1.6	1.8	1.9	2.1	2.3	2.5	2.7	2.8	3	3.2	3.4	3.6	3.7
Maximum speed (mm/sec)	800										720	600	480	400	360	320
	400										360	300	240	200	180	160
	-										90%	75%	60%	50%	45%	40%

LBAS05

Basic model

Motor-less Single Axis Actuator

Slider type



Ordering method

LBAS05

Model	Lead	Shape	Motor specification	Stroke
	20: 20 mm 10: 10 mm 5: 5 mm	S: Straight A: Bending	Y: Y specification (see below) P: P specification (see below) A: A specification (see below) S: S specification (see below) N: N specification (see below)	50 to 800 (50 mm pitch)

[Caution]

This system is provided as mechanical actuator unit and not including any adopters or electric components. Motor, driver and other components required for installation are the user's responsibility. Refer to user's manual for installation details. Refer to your motor manual for tuning or adjustment. Vibration or resonance from actuator will affect service life of actuator. The product performance may not be satisfied depending on the compatible motor. For special parts for motor installation, install and adjust on your side.

Specifications

Applicable motor		100 W		
Repeatability ^{Note 1}		+/- 0.01 mm		
Deceleration mechanism		Shifting position ball screw φ 12 (C7 class)		
Stroke		50 mm to 800 mm (50 mm pitch)		
Maximum speed ^{Note 2} (or equivalent)		1333 mm/sec	666 mm/sec	333 mm/sec
Ball screw lead		20 mm	10 mm	5 mm
Maximum payload ^{Note 3} (or equivalent)	Horizontal	12 kg	24 kg	40 kg
	Vertical	3 kg	6 kg	12 kg
Rated thrust ^{Note 3} (or equivalent)		84 N	169 N	339 N
Maximum dimensions of cross section of main unit		W 54 mm × H 60 mm		
Overall length	Straight	ST + 220.5 mm		
	Bending	ST + 200 mm		
Using ambient temperature and humidity		0 to 40 °C, 35 to 80 %RH (non-condensing)		

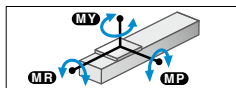
Note 1. Positioning repeatability in one direction.

Note 2. When a moving distance is short and depending on an operation condition, it may not reach the maximum speed. If the effective stroke exceeds 550 mm, the ball screw may resonate. (Critical speed) At this time, make the adjustment to decrease the speed while referring to the maximum speed shown in the table.

Note 3. The rated thrust and maximum transferable weight are values assuming the attached motor outputs the rated torque.

Note. See P.107 for acceleration/deceleration and inertia moment.

Static loading moment



	MY	MP	MR
(Unit: N·m)	59	63	103

Applicable motor

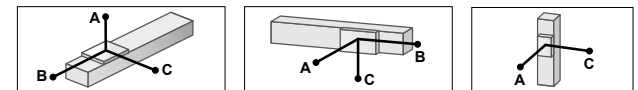
Applicable servo motor

Specification	Flange size	□ 40
	Wattage	100 W

Note. Motor models marked with * may not be 100W, but can be installed.

Motor specification	Manufacturer	Model
Y	Yaskawa Electric Corp.	SGMJV-01
		SGM7J-01
	Keyence Corp.	SV-□ 010
		SV2-□ 010
	Mitsubishi Electric Corp.	HF-KP13
		HG-KR13
		HK-KT13
	Omron Electronics	R88M-K10030
		R88M-1M10030
	Panasonic Corp.	MHMF01
	Sanyo Denki	R2 □ A04010
	Tamagawa Seiki	TSM3104
	Delta Electronics	ECMA-C10401
	Fanuc Corp.	β iS0.3/5000
	Kingservo	KSMA01LI □ S
		KSMA01LG
	Siemens	1FK2102-1AG
		1FL6024-2AF
P	Schneider	BCH2MB013
	Beckhoff	AM3012C*
	Allen-Bradley	TLY-A130*
	Panasonic Corp.	MSMD01
		MSMF01

Allowable overhang ^{Note}



LBAS05-20

Horizontal installation (Unit: mm)	A	B	C	Wall installation (Unit: mm)	A	B	C	Vertical installation (Unit: mm)	A	C
2kg	549	324	272	2kg	272	324	549	1kg	544	544
8kg	155	73	65	8kg	65	73	155	2kg	276	276
12kg	117	46	42	12kg	42	46	117	3kg	195	195

LBAS05-10

Horizontal installation (Unit: mm)	A	B	C	Wall installation (Unit: mm)	A	B	C	Vertical installation (Unit: mm)	A	C
5kg	769	178	213	5kg	213	178	769	2kg	443	443
15kg	314	53	64	15kg	64	53	314	4kg	218	218
24kg	216	29	36	24kg	36	29	216	6kg	142	142

LBAS05-5

Horizontal installation (Unit: mm)	A	B	C	Wall installation (Unit: mm)	A	B	C	Vertical installation (Unit: mm)	A	C
10kg	921	97	131	10kg	131	97	921	3kg	345	345
25kg	459	33	45	25kg	45	33	459	8kg	124	124
40kg	436	17	23	40kg	23	17	436	12kg	79	79

Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

Note. Service life is calculated for 500 mm stroke models.

Applicable stepping motor

Specification	Flange size	□ 42
Motor specification	Manufacturer	Model
A	Oriental Motor	AZM46
		ARM46
S	Oriental Motor	RKS54
N	NEMA standard	AZM48
		NEMA17

Note. Be aware that the dimensions of the NEMA standard motor may vary depending on the manufacturer.

Note. For the motor specifications A, S, and N, the parts dedicated for bending cannot be used.

Access the website below.



► The cycle time simulation and service life calculation can be performed easily from our member site. For details, see P.16.

Features

Motorless
Slider type
Basic model

LBAS

Advanced model

LGXS

Basic model

LBAR

Basic model

ABAS

Advanced model

AGXS

Basic model

ABAR

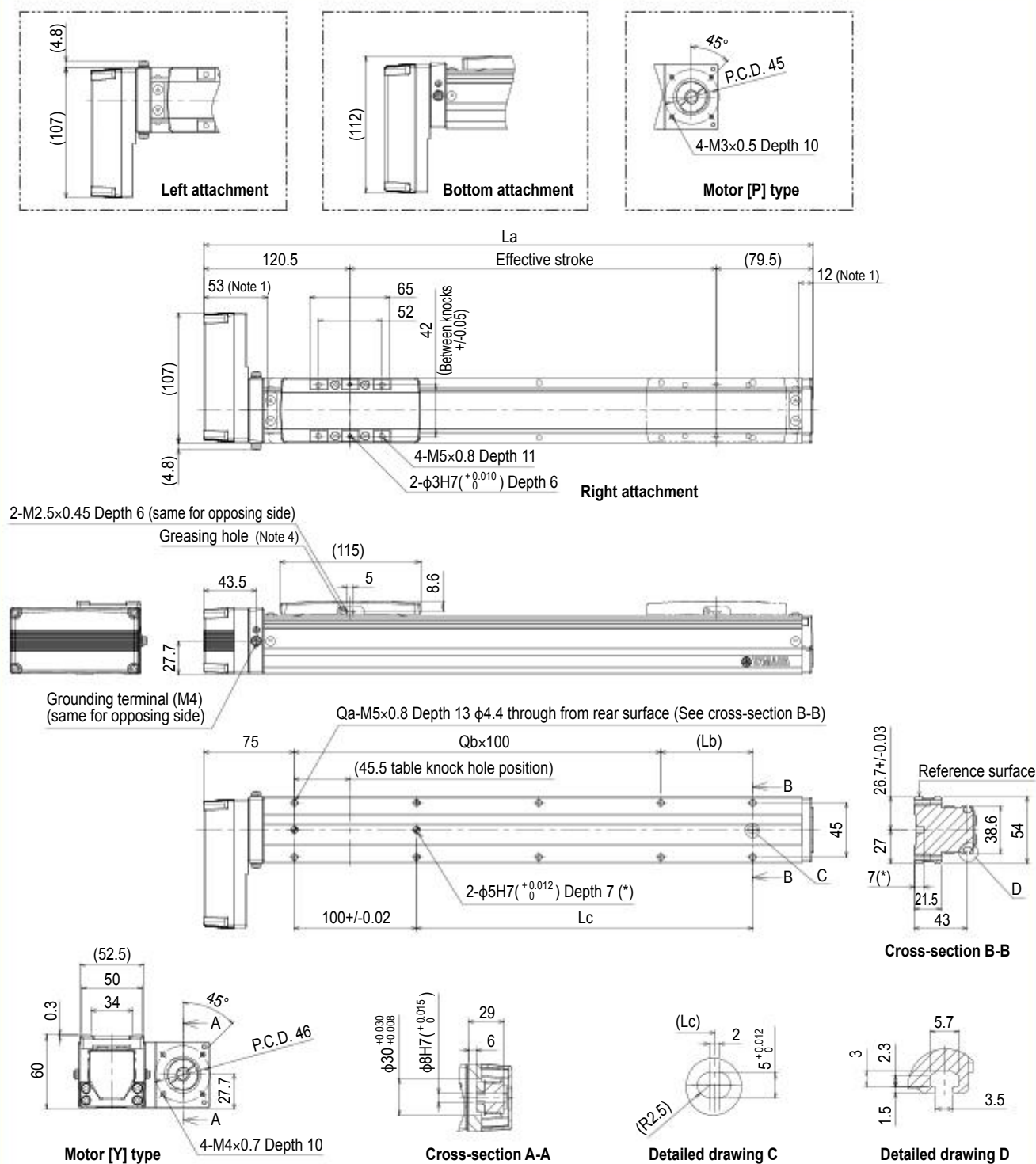
Acceleration/Deceleration
Inertia Moment

Option

Single axis basic positioner

Ep-01

LBAS05 Bending type (A)



Note 1. Stop positions are determined by the mechanical stoppers at both ends.

Note 2. Please perform installation and adjustment on the special parts for motor installation by the customer. For detail, refer to the manual.

Note 3. For the installation through hole, the length under head << 30 mm or more >> is recommended for the hex socket head bolts <M4 × 0.7>. In the installation tap hole, the length under head << thickness of stand + 10 mm or less >> is recommended for the hex socket head bolts <M5 × 0.8> used to install the main unit.

Note 4. Grease gun nozzle (recommended) (see P.143 for detail)

Part number: KFU-M3861-00

Effective stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
La	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
Lb	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
Lc	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
Qa	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
Qb	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
Weight (kg)	1.7	1.8	2	2.2	2.4	2.6	2.6	2.8	2.9	3	3.2	3.3	3.5	3.6	3.8	4.1
Maximum speed (mm/sec)	Lead 20					1333						1133	933	799	666	599
	Lead 10					666						566	466	399	333	299
	Lead 5					333						283	233	199	166	149
	Speed setting					-						85%	70%	60%	50%	45%

LBAS08

Basic model

Motor-less Single Axis Actuator

Slider type



Ordering method

LBAS08

Model	Lead	Shape	Motor specification	Stroke
	20: 20 mm 10: 10 mm 5: 5 mm	S: Straight A: Bending	Y: Y specification (see below) P: P specification (see below) K: K specification (see below) A: A specification (see below) N: N specification (see below)	50 to 1100 (50 mm pitch)

[Caution]

This system is provided as mechanical actuator unit and not including any adopters or electric components. Motor, driver and other components required for installation are the user's responsibility. Refer to user's manual for installation details. Refer to your motor manual for tuning or adjustment. Vibration or resonance from actuator will affect service life of actuator. The product performance may not be satisfied depending on the compatible motor. For special parts for motor installation, install and adjust on your side.

Specifications

Applicable motor		200 W		
Repeatability ^{Note 1}		+/-0.01 mm		
Deceleration mechanism		Shifting position ball screw φ 16 (C7 class)		
Stroke		50 mm to 1100 mm (50 mm pitch)		
Maximum speed ^{Note 2} (or equivalent)		1200 mm/sec	600 mm/sec	300 mm/sec
Ball screw lead		20 mm	10 mm	5 mm
Maximum payload ^{Note 3} (or equivalent)	Horizontal	40 kg	80 kg	100 kg
	Vertical	8 kg	20 kg	30 kg
Rated thrust ^{Note 3} (or equivalent)		174 N	341 N	683 N
Maximum dimensions of cross section of main unit		W 82 mm × H 78 mm		
Overall length	Straight	ST + 278 mm		
	Bending	ST + 264.5 mm		
Using ambient temperature and humidity		0 to 40 °C, 35 to 80 %RH (non-condensing)		

Note 1. Positioning repeatability in one direction.

Note 2. When a moving distance is short and depending on an operation condition, it may not reach the maximum speed.

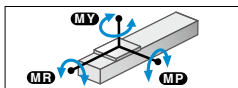
If the effective stroke exceeds 650 mm, the ball screw may resonate. (Critical speed)

At this time, make the adjustment to decrease the speed while referring to the maximum speed shown in the table.

Note 3. The rated thrust and maximum transferable weight are values assuming the attached motor outputs the rated torque.

Note. See P.109 for acceleration/deceleration and inertia moment.

Static loading moment



	MY	MP	MR
(Unit: N·m)	221	309	343

Applicable motor

• Applicable servo motor

Specification	Flange size	□ 60
	Wattage	200 W

Motor specification	Manufacturer	Model
Y	Yaskawa Electric Corp.	SGMJV-02
		SGMJ7J-02
	Keyence Corp.	SV-□ 020
		SV2-□ 020
	Mitsubishi Electric Corp.	HF-KP23
		HG-KR23
		HK-KT23
	Sanyo Denki	R2 □ A06020
	Tamagawa Seiki	TSM3202
	Delta Electronics	ECMA-C10602
P	Siemens	1FL6032-2AF
	Schneider	BCH2LD023
	Omron Electronics	R88M-K20030
		R88M-1M20030
K	Panasonic Corp.	MSMD02
		MSMF02
		MHMF02
	Kingservo	KSMA02LI
		KSMA02LG

• Applicable stepping motor

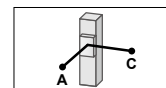
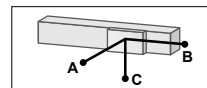
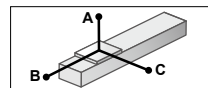
Specification	Flange size	□ 60 □ 56(NEMA)
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Motor specification	Manufacturer	Model
A	Oriental Motor	AZM66
		AZM69
		ARM66
		ARM69
		RKS56
N	NEMA standard	NEMA23

Note. Be aware that the dimensions of the NEMA standard motor may vary depending on the manufacturer.

Note. For the motor specifications A and N, the parts dedicated for bending cannot be used.

Allowable overhang ^{Note}



LBAS08-20

Horizontal installation (Unit: mm)	Wall installation (Unit: mm)	Vertical installation (Unit: mm)
15kg	A 146, B 131, C 146	A 634, C 634
25kg	A 86, B 73, C 278	A 321, C 321
40kg	A 76, B 54, C 517	A 240, C 240

LBAS08-10

Horizontal installation (Unit: mm)	Wall installation (Unit: mm)	Vertical installation (Unit: mm)
30kg	A 120, B 83, C 465	A 551, C 551
50kg	A 65, B 44, C 341	A 270, C 270
80kg	A 34, B 22, C 228	A 129, C 129

LBAS08-5

Horizontal installation (Unit: mm)	Wall installation (Unit: mm)	Vertical installation (Unit: mm)
30kg	A 1604, B 95, C 153	A 312, C 312
50kg	A 1035, B 52, C 83	A 149, C 149
80kg	A 719, B 27, C 44	A 95, C 95
100kg	A 608, B 19, C 31	

Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

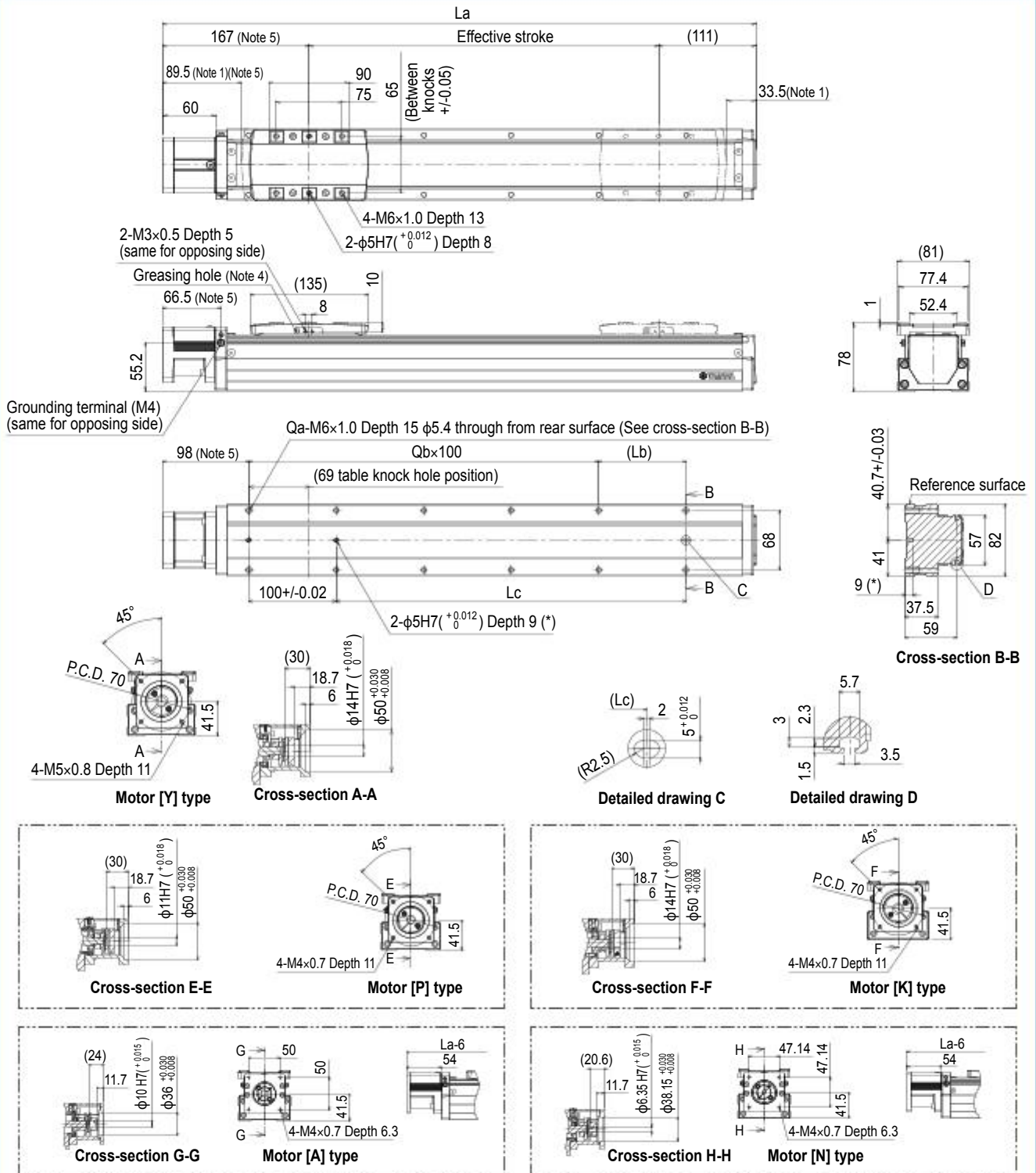
Note. Service life is calculated for 600 mm stroke models.

Access the website below.



► The cycle time simulation and service life calculation can be performed easily from our member site. For details, see P.16.

LBAS08 Straight type (S)



Note 1. Stop positions are determined by the mechanical stoppers at both ends.

Note 2. Please perform installation and adjustment on the special parts for motor installation by the customer. For detail, refer to the manual.

Note 3. For the installation through hole, the length under head <<45 mm or more>> is recommended for the hex socket head bolts <M5 × 0.8>. In the installation tap hole, the length under head <<thickness of stand +15 mm or less>> is recommended for the hex socket head bolts <M6 × 1.0> used to install the main unit.

Note 4. Grease gun nozzle (recommended) (see P.143 for detail)

Part number: KFU-M3861-00

Note 5. For the motor specifications A and N the dimensions are that those stated in the table <<-3 mm>>.

Effective stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
La	328	378	428	478	528	578	628	678	728	778	828	878	928	978	1028	1078	1128	1178	1228	1278	1328	1378
Lb	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
Lc	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
Qa	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
Qb	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
Weight (kg)	3.7	4.1	4.5	4.8	5.2	5.5	5.8	6.2	6.5	6.8	7.2	7.5	7.9	8.2	8.5	8.8	9.2	9.4	9.8	10.1	10.5	10.9
Maximum speed (mm/sec)	Lead 20										1020											
	Lead 10										510											
	Lead 5										255											
	Speed setting										85%											



Ordering method

LBAS12				
Model	Lead	Shape	Motor specification	Stroke
	32: 32 mm 20: 20 mm 10: 10 mm 5: 5 mm	S: Straight A: Bending	Y: Y specification (see below) P: P specification (see below) K: K specification (see below)	50 to 1250 (50 mm pitch)

LBAS12 (200W)

Specifications

Applicable motor		200 W			
Repeatability ^{Note 1}		+/-0.01 mm			
Deceleration mechanism		Shifting position ball screw φ 16 (C7 class)			
Stroke		50 mm to 1250 mm (50 mm pitch)			
Maximum speed ^{Note 2} (or equivalent)		1800 mm/sec	1200 mm/sec	600 mm/sec	300 mm/sec
Ball screw lead		32 mm	20 mm	10 mm	5 mm
Maximum payload ^{Note 3} (or equivalent)	Horizontal	20 kg	40 kg	80 kg	100 kg
	Vertical	3 kg	8 kg	20 kg	30 kg
Rated thrust ^{Note 3} (or equivalent)		105 N	170 N	341 N	683 N
Maximum dimensions of cross section of main unit		W 120 mm × H 76 mm			
Overall length	Straight	ST + 294 mm			
	Bending	ST + 270.5 mm			
Using ambient temperature and humidity		0 to 40 °C, 35 to 80 %RH (non-condensal)			

Note 1. Positioning repeatability in one direction.

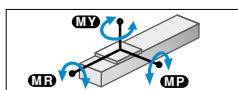
Note 2. When a moving distance is short and depending on an operation condition, it may not reach the maximum speed.
If the effective stroke exceeds 600 mm, the ball screw may resonate. (Critical speed)

At this time, make the adjustment to decrease the speed while referring to the maximum speed shown in the table.

Note 3. The rated thrust and maximum transferable weight are values assuming the attached motor outputs the rated torque.

Note. See P.111 for acceleration/deceleration and inertia moment.

Static loading moment



(Unit: N·m)		
MY	MP	MR
573	606	606

LBAS12 (400W)

Specifications

Applicable motor	400 W			
Ball screw lead	32 mm	20 mm	10 mm	5 mm
Maximum payload ^{Note 1} (or equivalent)	Horizontal	35 kg	50 kg	115 kg
	Vertical	8 kg	15 kg	40 kg
Rated thrust ^{Note 1} (or equivalent)	218 N	339 N	678 N	1360 N

Note 1. The rated thrust and maximum transferable weight are values assuming the attached motor outputs the rated torque.

Note. See P.113 for acceleration/deceleration and inertia moment.

Note. The specifications and static loading moment, etc. not described here are common to LBAS12 (200 W).

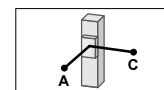
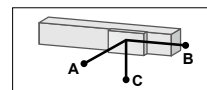
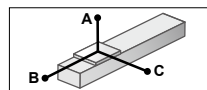
[Caution]

This system is provided as mechanical actuator unit and not including any adapters or electric components. Motor, driver and other components required for installation are the user's responsibility.

Refer to user's manual for installation details. Refer to your motor manual for tuning or adjustment. Vibration or resonance from actuator will affect service life of actuator.

The product performance may not be satisfied depending on the compatible motor. For special parts for motor installation, install and adjust on your side.

Allowable overhang ^{Note}



LBAS12-32 (200W)

Horizontal installation (Unit: mm)	A	B	C
5kg	2079	1694	1224
10kg	1134	834	627
20kg	843	422	362

Wall installation (Unit: mm)	A	B	C
5kg	1224	1694	2079
10kg	627	834	1134
20kg	362	422	843

Vertical installation (Unit: mm)	A	C
1kg	6201	6201
3kg	2057	2057

LBAS12-20 (200W)

Horizontal installation (Unit: mm)	A	B	C
15kg	946	548	445
25kg	591	321	266
40kg	442	206	182

Wall installation (Unit: mm)	A	B	C
15kg	445	548	946
25kg	266	321	591
40kg	182	206	442

Vertical installation (Unit: mm)	A	C
3kg	2174	2174
5kg	1315	1315
8kg	833	833

LBAS12-10 (200W)

Horizontal installation (Unit: mm)	A	B	C
30kg	729	299	278
50kg	788	207	223
80kg	1325	157	200

Wall installation (Unit: mm)	A	B	C
30kg	278	299	729
50kg	223	207	788
80kg	200	157	1325

Vertical installation (Unit: mm)	A	C
5kg	1934	1934
10kg	978	978
20kg	503	503

LBAS12-5 (200W)

Horizontal installation (Unit: mm)	A	B	C
30kg	2478	430	513
50kg	1820	258	320
80kg	1522	160	208
100kg	1443	127	168

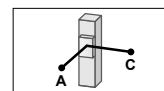
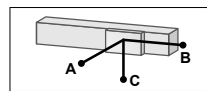
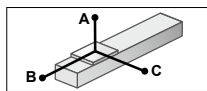
Wall installation (Unit: mm)	A	B	C
30kg	513	430	2478
50kg	320	258	1820
80kg	208	160	1522
100kg	168	127	1443

Vertical installation (Unit: mm)	A	C
10kg	1317	1317
20kg	670	670
30kg	456	456

Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

Note. Service life is calculated for 600 mm stroke models.

Allowable overhang ^{Note}



LBAS12-32 (400W)

Horizontal installation (Unit: mm)	A	B	C
10kg	1134	834	627
20kg	843	422	362
35kg	926	286	294

Wall installation (Unit: mm)	A	B	C
10kg	627	834	1134
20kg	362	422	843
35kg	294	286	926

Vertical installation (Unit: mm)	A	C
3kg	2057	2057
5kg	1228	1228
8kg	762	762

LBAS12-20 (400W)

Horizontal installation (Unit: mm)	A	B	C
15kg	826	548	427
30kg	485	263	218
50kg	433	172	162

Wall installation (Unit: mm)	A	B	C
15kg	427	548	826
30kg	218	263	485
50kg	162	172	433

Vertical installation (Unit: mm)	A	C
5kg	1315	1315
10kg	672	672
15kg	522	522

LBAS12-10 (400W)

Horizontal installation (Unit: mm)	A	B	C
30kg	528	270	230
60kg	667	171	185
95kg	1350	132	173

Wall installation (Unit: mm)	A	B	C
30kg	230	270	528
60kg	185	171	667
95kg	173	132	1350

Vertical installation (Unit: mm)	A	C
5kg	1934	1934
15kg	660	660
25kg	409	409

LBAS12-5 (400W)

Horizontal installation (Unit: mm)	A	B	C
30kg	2478	430	513
60kg	1668	215	270
90kg	1475	142	186
115kg	1384	109	146

Wall installation (Unit: mm)	A	B	C
30kg	513	430	2478
60kg	270	215	1668
90kg	186	142	1475
115kg	146	109	1384

Vertical installation (Unit: mm)	A	C
15kg	885	885
25kg	541	541
40kg	350	350

Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

Note. Service life is calculated for 600 mm stroke models.

Access the website below.



► The cycle time simulation and service life calculation can be performed easily from our member site. For details, see P.16.

■ Applicable motor (200W)

● Applicable servo motor

Specification	Flange size	Wattage
	□ 60	200 W
Motor specification	Manufacturer	Model
Y	Yaskawa Electric Corp.	SGMJV-02 SGM7J-02
	Keyence Corp.	SV- □ 020 SV2- □ 020
	Mitsubishi Electric Corp.	HF-KP23 HG-KR23 HK-KT23
	Sanyo Denki	R2 □ A06020
	Tamagawa Seiki	TSM3202
	Delta Electronics	ECMA-C10602
	Siemens	1FL6032-2AF
	Schneider	BCH2LD023
	Omron Electronics	R88M-K20030 R88M-1M20030
	Panasonic Corp.	MSMD02 MSMF02 MHMF02
P	Kingservo	KSMA02LI KSMA02LG
K		

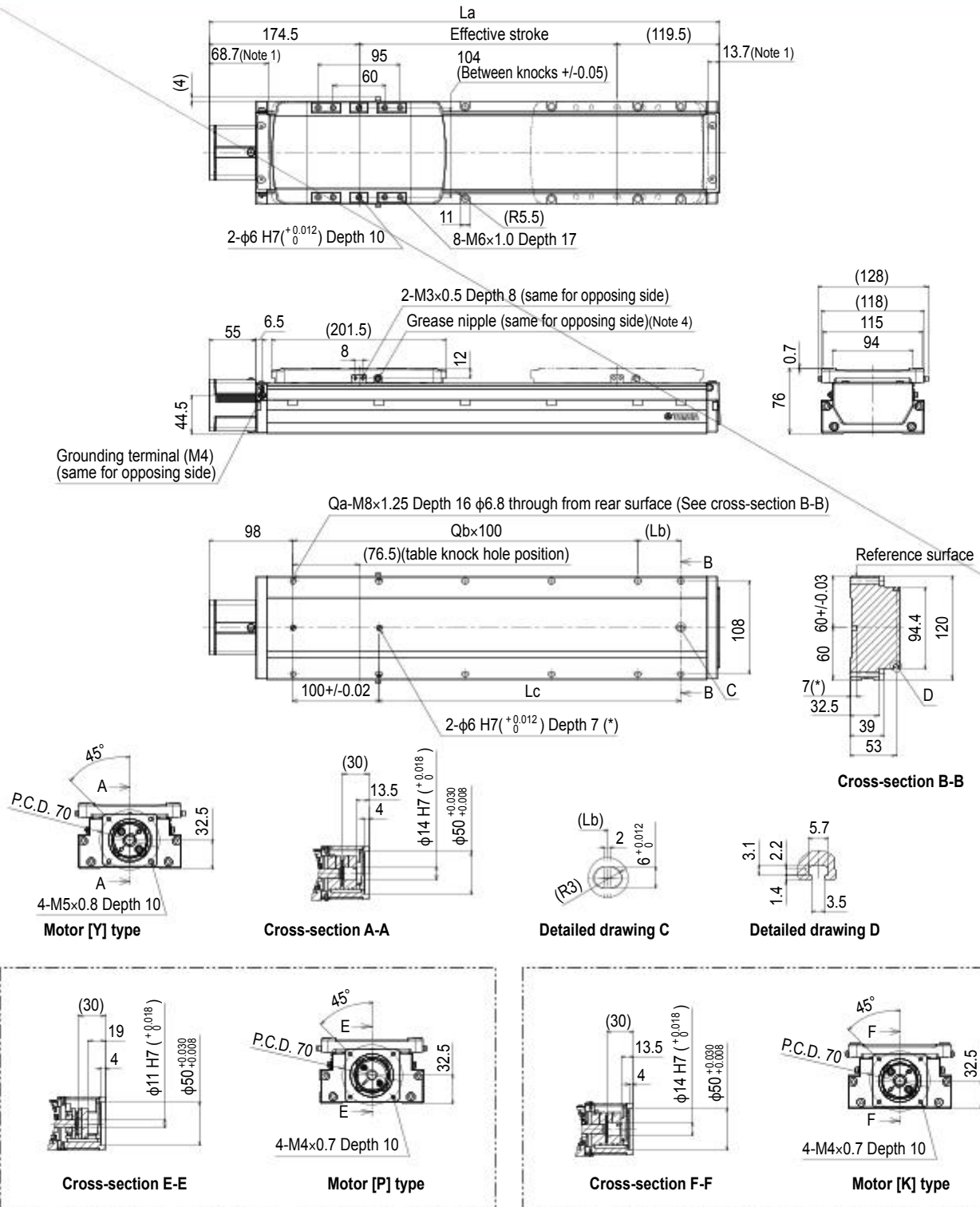
■ Applicable motor (400W)

● Applicable servo motor

Specification	Flange size	Wattage
	□ 60	400 W
Motor specification	Manufacturer	Model
Y	Yaskawa Electric Corp.	SGMJV-04 SGM7J-04
	Keyence Corp.	SV- □ 040 SV2- □ 040
	Mitsubishi Electric Corp.	HF-KP43 HG-KR43 HK-KT43
	Sanyo Denki	R2 □ A06040
	Tamagawa Seiki	TSM3204
	Delta Electronics	ECMA-C10604
	Siemens	1FL6034-2AF
	Schneider	BCH2LD043
	Omron Electronics	R88M-K40030 R88M-1M40030
	Panasonic Corp.	MSMD04 MSMF04 MHMF04
K	Kingservo	KSMA04LI KSMA04LG

LBAS12 Straight type (S)

Note. The external views of LBAS12 (200 W) and LBAS12 (400 W) are the same.



Note 1. Stop positions are determined by the mechanical stoppers at both ends.

Note 2. Please perform installation and adjustment on the special parts for motor installation by the customer. For detail, refer to the manual.

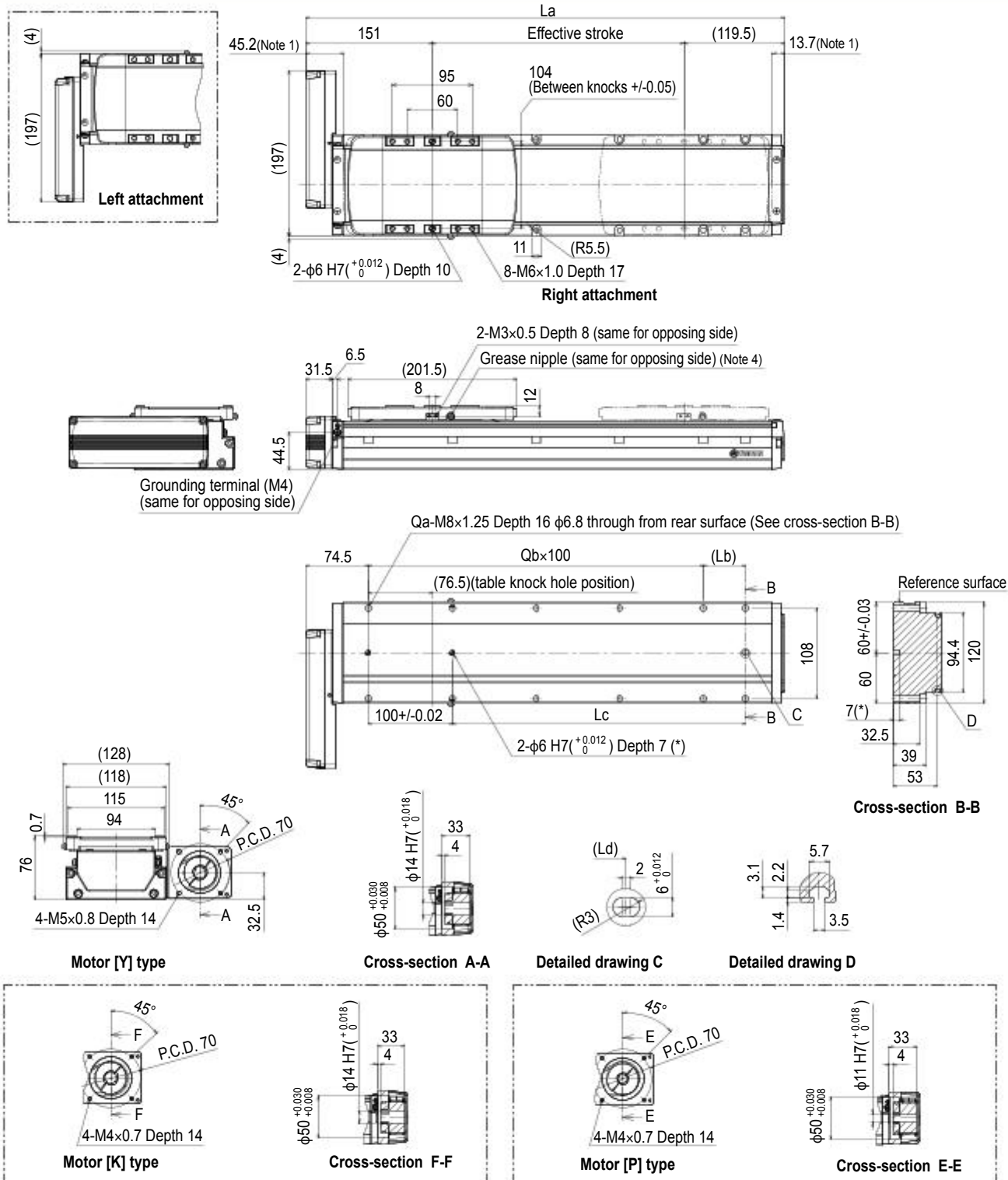
Note 3. For the installation through hole, the length under head ≤ 45 mm or more is recommended for the hex socket head bolts $\leq M6 \times 1.0$. In the installation tap hole, the length under head $\leq$ thickness of stand +16 mm or less is recommended for the hex socket head bolts $\leq M8 \times 1.25$ used to install the main unit.

Note 4. Grease gun nozzle (recommended) (see P.143 for detail)

Effective stroke	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
La	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
Lb	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
Lc	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
Qa	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	24	24	26	26	28	28	30	30	30
Qb	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
Weight (kg)	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.6	9	9.4	9.9	10.3	10.7	11.2	11.6	12.1	12.5	12.9	13.4	13.8	14.3	14.7
Lead 32	1800										1620														
Lead 20	1200										1080														
Lead 10	600										540														
Lead 5	300										270														
Speed setting	-										90%														

LBAS12 Bending type (A)

Note. The external views of LBAS12 (200 W) and LBAS12 (400 W) are the same.



Note 1. Stop positions are determined by the mechanical stoppers at both ends.

Note 2. Please perform installation and adjustment on the special parts for motor installation by the customer. For detail, refer to the manual.

Note 3. For the installation through hole, the length under head $\ll 45$ mm or more $\gg$ is recommended for the hex socket head bolts $\langle M6 \times 1.0 \rangle$. In the installation tap hole, the length under head $\ll$ thickness of stand ± 16 mm or less $\gg$ is recommended for the hex socket head bolts $\langle M8 \times 1.25 \rangle$ used to install the main unit.

Note 4. Grease gun nozzle (recommended) (see P.143 for detail)

Effective stroke	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
La	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
Lb	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
Lc	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
Qa	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
Qb	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
Weight (kg)	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.2	8.6	9.1	9.5	9.9	10.4	10.8	11.2	11.7	12.1	12.6	13	13.4	13.9	14.3	14.8
Maximum speed (mm/sec)	Lead 32	1800										1620 1440 1260 1080 990 810 720 630 630 540 450 360 360													
	Lead 20	1200										1080 960 840 720 660 540 480 420 420 360 300 240 240													
	Lead 10	600										540 480 420 360 330 270 240 210 210 180 150 120 120													
	Lead 5	300										270 240 210 180 165 135 120 105 105 90 75 60 60													
	Speed setting	-										90% 80% 70% 60% 55% 40% 35% 35% 30% 25% 20% 20%													