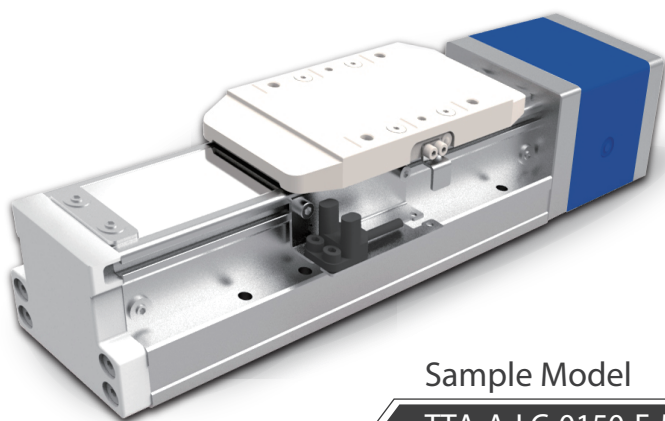




Always on track!

Guide Built-in Screw Type Positioning Stage

- ▶ High Rigidity
- ▶ High Precision
- ▶ Compact
- ▶ Easy to Use

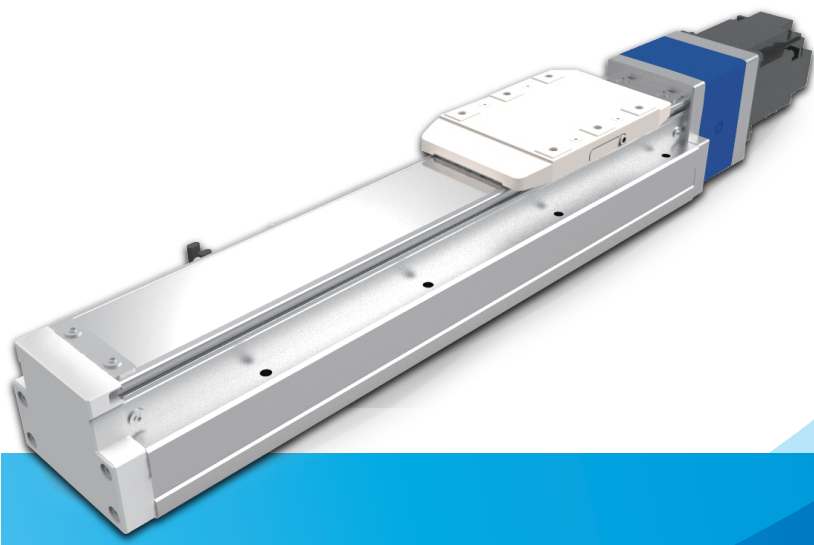


Sample Model

TTA-A-LC-0150-E-M1A-C5-N

Sample Model

TTA-P-LE-0200-E-M2A-C5-N



Website



Facebook



LinkedIn

www.ome.com.tw

General Table I

TTA guide built-in screw type positioning stage

Environment	Driving Type	Specification	Motor Power (W)	Main Width (mm)	Repeatability (mm)	Ball Screw Spec. (C7)		Max. Loading (kg)		Max. Speed (mm/s)
						Outer Diameter (mm)	Lead (mm)	Horizontal	Vertical	
Normal	Ball Screw	TTAQ	100	44	±0.005	10	2	25	8	100
							6	20	8	300
							12	12	3.5	600
		TTAA	100	54	±0.005	12	2	30	10	100
							5	30	10	250
							10	15	5	500
							20	10	2.5	1000
		TTAP	200	82	±0.005	16	5	50	15	250
			400				10	30	8	500
							20	18	3	1000
		TTAD	400	120	±0.005	16	5	110	33	250
							10	88	22	500
							20	40	10	1000

The maximum speed is defined based on the motor working at 3000 rpm and the acceleration/deacceleration value should be 0.2s.

General Table II

Table of the max. speed corresponding to the stage stroke

Specification	Motor Power (W)	Max. Speed (mm/s) & Stroke (mm) ■ Speed														
		Stroke 50 ~ 550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
TTAQ	100	100	90	80	70	60	50									
		300	270	240	210	180	150									
		600	540	480	420	360	300									
TTAA	100	100		90	80	70	60									
		250		270	200	175	150									
		500		450	400	350	300									
		1000		900	800	700	600									
TTAP	200	250					225	200	175	150	125	100	75			
	400	500					450	400	350	300	250	200	150			
		1000					900	800	700	600	500	400	300			
TTAD	400	250						225	200	175	165	157	150	132	125	115
		500						450	400	350	330	315	300	265	250	230
		1000						900	800	700	660	630	600	530	500	460

This table is the standard recommended safe working speed.
If operate over-specification, the stage life may dramatically be reduced.

TTA

Normal Environment

Guide Built-in
Screw

-Q

Model Size

Q: 4

-LQ

Lead

A: 2
P: 6
Q: 12

-0750

Stroke
(50~800 mm)

50 mm Pitch

-E

Motor Position

E: Exposed

-Y1B

Motor Power

1: 100W

Brake

A: No Brake
B: Brake

-C5

Motor Brand

M: Mitsubishi
P: Panasonic
Y: Yaskawa
T: Delta

Home Sensor

Outside
C: Motor Side
D: Opposite
Motor Side
E: No Sensor

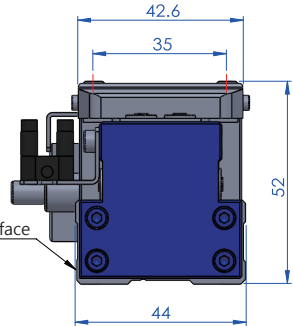
Limit Sensor

Outside
3: 1 pcs
4: 2 pcs
5: No Sensor

-N

Customization No.

N: No Customization
0: Customization No.



* The motor is not included. Only for selecting assessment.

TTA

Normal Environment

Guide Built-in
Screw

-A

Model Size

A: 5

-LA

Lead

A: 2
B: 5
C: 10
E: 20

-0100

Stroke
(50~800 mm)

50 mm Pitch

-E

Motor Position

E: Exposed

-M1B

Motor Power

1: 100W

Brake

A: No Brake
B: Brake

-C4

Motor Brand

M: Mitsubishi
P: Panasonic
Y: Yaskawa
T: Delta

Home Sensor

Outside
C: Motor Side
D: Opposite
Motor Side
E: No Sensor

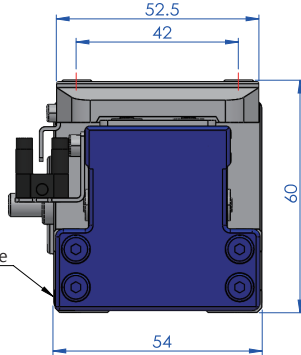
Limit Sensor

Outside
3: 1 pcs
4: 2 pcs
5: No Sensor

-N

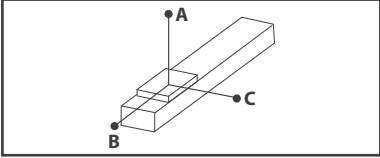
Customization No.

N: No Customization
0: Customization No.



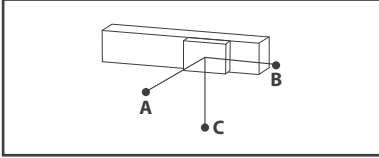
* The motor is not included. Only for selecting assessment.

Allowable Overhang



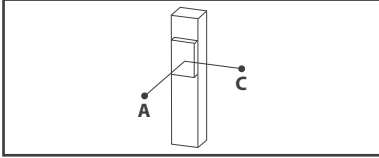
Horizontal Installation		A	B	C
Lead 2	12 kg	1000	55	80
	18 kg	750	35	50
	25 kg	500	23	32
Lead 6	10 kg	550	53	70
	15 kg	350	32	45
	20 kg	250	22	31
Lead 12	8 kg	305	59	75
	10 kg	240	45	57
	12 kg	195	37	47

(Unit: mm)



Wall Installation		A	B	C
Lead 2	12 kg	80	55	1000
	18 kg	50	35	750
	25 kg	32	23	500
Lead 6	10 kg	72	52	550
	15 kg	45	32	345
	20 kg	31	22	250
Lead 12	8 kg	75	59	300
	10 kg	58	45	240
	12 kg	47	37	190

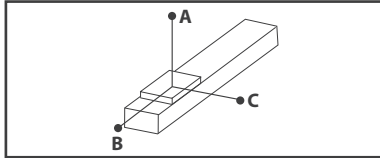
(Unit: mm)



Vertical Installation		A	C
Lead 2	4 kg	195	195
	8 kg	100	100
	-	-	-
Lead 6	4 kg	150	150
	8 kg	75	75
	-	-	-
Lead 12	2 kg	260	260
	3.5 kg	150	150
	-	-	-

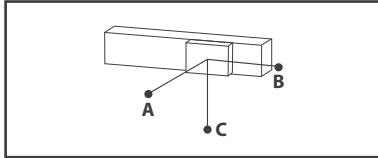
(Unit: mm)

Allowable Overhang



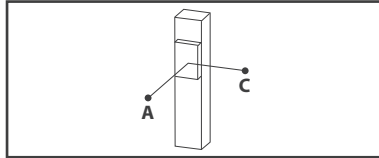
Horizontal Installation		A	B	C
Lead 2	10 kg	900	100	135
	20 kg	700	45	60
	30 kg	550	25	35
Lead 5	10 kg	650	75	100
	20 kg	440	32	45
	30 kg	270	19	25
Lead 10	5 kg	600	145	185
	10 kg	370	70	85
	15 kg	250	42	52
Lead 20	5 kg	320	120	130
	8 kg	220	70	80
	10 kg	175	55	60

(Unit: mm)



Wall Installation		A	B	C
Lead 2	10 kg	135	100	900
	20 kg	60	45	700
	30 kg	37	27	550
Lead 5	10 kg	100	75	650
	20 kg	45	32	420
	30 kg	25	19	260
Lead 10	5 kg	180	145	600
	10 kg	85	68	370
	15 kg	52	42	250
Lead 20	5 kg	130	120	320
	8 kg	75	70	220
	10 kg	60	55	170

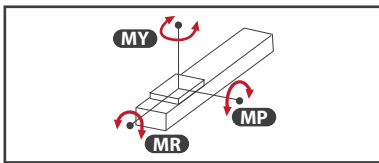
(Unit: mm)



Vertical Installation		A	C
Lead 2	6 kg	180	180
	8 kg	135	135
	10 kg	110	110
Lead 5	6 kg	145	145
	8 kg	110	110
	10 kg	90	90
Lead 10	1 kg	800	800
	3 kg	260	260
	5 kg	155	155
Lead 20	1 kg	600	600
	2 kg	300	300
	2.5 kg	250	250

(Unit: mm)

Static Loading Moment

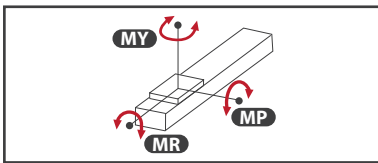


MY	79
MP	79
MR	116

(Unit: N.m)

* The torque value in the chart indicate the center of gravity.
* Operation life is 10,000km when the product is using under the specified conditions.
* Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Static Loading Moment



MY	103
MP	103
MR	144

(Unit: N.m)

* The torque value in the chart indicate the center of gravity.
* Operation life is 10,000km when the product is using under the specified conditions.
* Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

4

5

TTA

Normal Environment

Guide Built-in Screw

-P

Model Size

P: 8

-LB

Lead

B: 5
C: 10
E: 20

-1100

Stroke
(50~1100 mm)

50 mm Pitch

-E

Motor Position

E: Exposed

-M4B

Motor Power

2: 200W
4: 400W

Brake

A: No Brake
B: Brake

-D5

Motor Brand

M: Mitsubishi
P: Panasonic
Y: Yaskawa
T: Delta

Home Sensor

Outside
C: Motor Side
D: Opposite Motor Side
E: No Sensor

Limit Sensor

Outside
3: 1 pcs
4: 2 pcs
5: No Sensor

-N

Customization No.

N: No Customization
0: Customization No.

* The motor is not included. Only for selecting assessment.

TTA

Normal Environment

Guide Built-in Screw

-D

Model Size

D: 12

-LC

Lead

B: 5
C: 10
E: 20

-1050

Stroke
(50~1250 mm)

50 mm Pitch

-E

Motor Position

E: Exposed

-M4B

Motor Power

4: 400W

Brake

A: No Brake
B: Brake

-D5

Motor Brand

M: Mitsubishi
P: Panasonic
Y: Yaskawa
T: Delta

Home Sensor

Outside
C: Motor Side
D: Opposite Motor Side
E: No Sensor

Limit Sensor

Outside
3: 1 pcs
4: 2 pcs
5: No Sensor

-N

Customization No.

N: No Customization
0: Customization No.

* The motor is not included. Only for selecting assessment.

Allowable Overhang

Horizontal Installation		A	B	C
Lead 5	20 kg	1560	153	237
	35 kg	890	81	126
	50 kg	550	53	82
Lead 10	10 kg	1730	286	412
	20 kg	839	136	196
	30 kg	541	86	124
Lead 20	6 kg	1213	403	493
	9 kg	800	264	323
	18 kg	592	194	238

(Unit: mm)

Wall Installation		A	B	C
Lead 5	20 kg	214	153	1435
	35 kg	113	81	845
	50 kg	74	53	506
Lead 10	10 kg	370	286	1400
	20 kg	176	136	800
	30 kg	112	86	495
Lead 20	6 kg	444	403	760
	9 kg	292	264	650
	18 kg	214	194	544

(Unit: mm)

Vertical Installation		A	C
Lead 5	10 kg	331	331
	15 kg	220	220
	-	-	-
Lead 10	5 kg	589	589
	8 kg	368	368
	-	-	-
Lead 20	3 kg	935	935
	-	-	-
	-	-	-

(Unit: mm)

Allowable Overhang

Horizontal Installation		A	B	C
Lead 5	60 kg	2850	250	340
	80 kg	2100	180	250
	110 kg	1500	120	170
	30 kg	2850	490	600
Lead 10	50 kg	1700	280	350
	88 kg	950	140	190
	10 kg	3400	1250	1400
Lead 20	22 kg	1650	550	620
	40 kg	900	290	330
	15 kg	1100	570	550
Lead 32	25 kg	620	330	320
	30 kg	520	270	260
	-	-	-	-

(Unit: mm)

Wall Installation		A	B	C
Lead 5	55 kg	280	280	3300
	75 kg	200	195	2400
	110 kg	130	125	1550
	35 kg	400	410	2500
Lead 10	55 kg	245	250	1550
	88 kg	150	150	950
	12 kg	900	1070	3000
Lead 20	20 kg	550	630	1800
	40 kg	260	300	900
	15 kg	440	570	1050
Lead 32	30 kg	210	270	520
	-	-	-	-
	-	-	-	-

(Unit: mm)

Vertical Installation		A	C
Lead 5	15 kg	1200	1200
	22 kg	820	820
	33 kg	550	550
Lead 10	10 kg	1600	1600
	14 kg	1150	1150
	22 kg	730	730
Lead 20	7 kg	1800	1800
	10 kg	1250	1250
	-	-	-
Lead 32	5 kg	1600	1600
	8 kg	1000	1000
	-	-	-

(Unit: mm)

Static Loading Moment

MY	318
MP	318
MR	626

(Unit: N.m)

* The torque value in the chart indicate the center of gravity.
* Operation life is 10,000km when the product is using under the specified conditions.
* Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Static Loading Moment

MY	606
MP	606
MR	1168

(Unit: N.m)

* The torque value in the chart indicate the center of gravity.
* Operation life is 10,000km when the product is using under the specified conditions.
* Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

General Table I

TTS guide built-in screw type positioning stage

Environment	Driving Type	Specification	Motor Power (W)	Main Width (mm)	Repeatability (mm)	Ball Screw Spec. (C7)		Max. Loading (kg)		Max. Speed (mm/s)
						Outer Diameter (mm)	Lead (mm)	Horizontal	Vertical	
Normal	Ball Screw	TTSE	200	135	±0.005	16	5	70	17	250
							10	47	12	500
							20	24	6	1000
							32	13	–	1600
			400	135	±0.005	16	5	70	17	250
							10	47	12	500
							20	24	6	1000
							32	13	–	1600
		TTSF	200	135	±0.005	16	5	95	27	250
							10	75	18	500
							20	35	7	1000
							32	15	–	1600
			400	135	±0.005	16	5	110	33	250
							10	88	22	500
							20	40	10	1000
							32	30	8	1600
		TTSG	400	170	±0.005	20	5	120	40	250
							10	110	30	500
							20	75	14	1000
							40	22	7	2000
			750	170	±0.005	20	5	120	50	250
							10	120	40	500
							20	83	25	1000
							40	43	12	2000
		TTSH	750	220	±0.005	25	5	150	55	250
						25	10	150	45	500
						25	25	105	20	1250
						20	40	43	12	2000

The maximum speed is defined based on the motor working at 3000 rpm and the acceleration/deacceleration value should be 0.2s.

General Table II

Table of the max. speed corresponding to the stage stroke

Specification	Motor Power (W)	Max. Speed (mm/s) & Stroke (mm) ■ Speed																
		Stroke 50 ~ 750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	
TTSE	200	250	225	200	175	150	125	100										
		500	450	400	350	300	250	200										
		1000	900	800	700	600	500	400										
		1600	1440	1280	1120	960	800	640										
	400	250	225	200	175	150	125	100										
		500	450	400	350	300	250	200										
		1000	900	800	700	600	500	400										
		1600	1440	1280	1120	960	800	640										
TTSF	200	250	225	200	175	150	125	100										
		500	450	400	350	300	250	200										
		1000	900	800	700	600	500	400										
		1600	1440	1280	1120	960	800	640										
	400	250	225	200	175	150	125	100										
		500	450	400	350	300	250	200										
		1000	900	800	700	600	500	400										
		1600	1440	1280	1120	960	800	640										
TTSG	400	250			225		200			175		150						
		500			450		400			350		300						
		1000			900		800			700		600						
		2000			1800		1600			1400		1200						
	750	250			225		200			175		150						
		500			450		400			350		300						
		1000			900		800			700		600						
		2000			1800		1600			1400		1200						
TTSH	750	250				225			200			175		150		125		100
		500				450			400			350		300		250		200
		1000				1125			1000			875		750		625		500
		2000				1800		1600			1400		1200		1000		800	

This table is the standard recommended safe working speed.
If operate over-specification, the stage life may dramatically be reduced.

TTS

Normal Environment

Screw

-E

Model Size

E: 13

-LB

Lead

B: 5
C: 10
E: 20
G: 32

-0750

Stroke (50~1050 mm)

50 mm Pitch

-E

Motor Position

E: Exposed
D: Motor Bottom Side
L: Motor Left Side
R: Motor Right Side

-P

Brake

A: No Brake
B: Brake

2

Motor Power

2: 200W
4: 400W

B

Home Sensor

Inside
A: Motor Side
B: Opposite Motor Side
Outside
C: Motor Side
D: Opposite Motor Side
E: No Sensor

-C

Limit Sensor

Inside
1: 1 pcs
2: 2 pcs
Outside
3: 1 pcs
4: 2 pcs
5: No Sensor

5

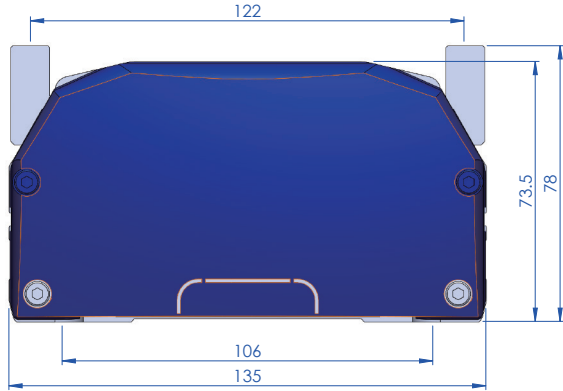
Customization No.

N: No Customization
0: Customization No.

-N

Motor Brand

M: Mitsubishi
P: Panasonic
T: Delta



* The motor is not included. Only for selecting assessment.

TTS

Normal Environment

Screw

-E

Model Size

E: 13

-LC

Lead

B: 5
C: 10
E: 20
G: 32

-0850

Stroke (50~1050 mm)

50 mm Pitch

-E

Motor Position

E: Exposed
D: Motor Bottom Side
L: Motor Left Side
R: Motor Right Side

-T

Brake

A: No Brake
B: Brake

4

Motor Power

2: 200W
4: 400W

A

Home Sensor

Inside
A: Motor Side
B: Opposite Motor Side
Outside
C: Motor Side
D: Opposite Motor Side
E: No Sensor

-B

Limit Sensor

Inside
1: 1 pcs
2: 2 pcs
Outside
3: 1 pcs
4: 2 pcs
5: No Sensor

4

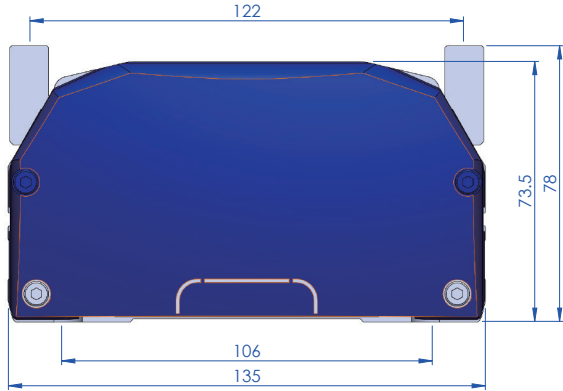
Customization No.

N: No Customization
0: Customization No.

-N

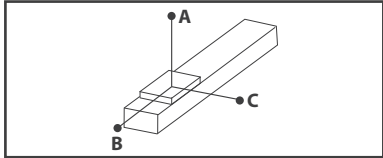
Motor Brand

M: Mitsubishi
P: Panasonic
T: Delta



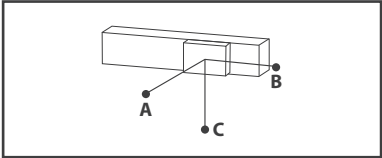
* The motor is not included. Only for selecting assessment.

Allowable Overhang



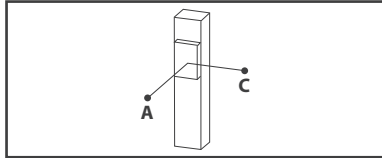
Horizontal Installation		A	B	C
Lead 5	40 kg	795	63	225
	55 kg	558	43	155
	70 kg	422	32	115
Lead 10	25 kg	588	95	276
	35 kg	410	65	190
	47 kg	295	46	135
Lead 20	6 kg	1068	355	710
	15 kg	416	136	275
	24 kg	252	81	166
Lead 32	7 kg	385	205	298
	13 kg	204	106	156
	-	-	-	-

(Unit: mm)



Wall Installation		A	B	C
Lead 5	30 kg	310	88	1066
	50 kg	172	49	620
	70 kg	115	32	422
Lead 10	20 kg	351	122	743
	30 kg	225	78	484
	47 kg	135	46	294
Lead 20	5 kg	852	428	1227
	12 kg	345	173	522
	24 kg	166	81	253
Lead 32	6 kg	350	240	453
	13 kg	155	106	204
	-	-	-	-

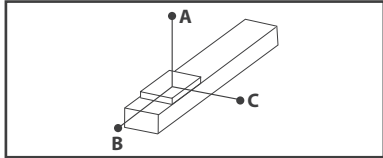
(Unit: mm)



Vertical Installation		A	C
Lead 5	5 kg	580	580
	11 kg	264	264
	17 kg	170	170
Lead 10	4 kg	644	644
	8 kg	322	322
	12 kg	215	215
Lead 20	3 kg	667	667
	6 kg	335	335
	-	-	-

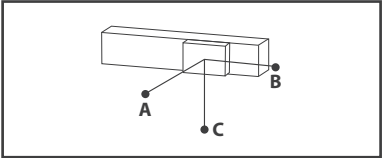
(Unit: mm)

Allowable Overhang



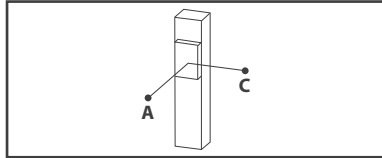
Horizontal Installation		A	B	C
Lead 5	40 kg	795	63	225
	55 kg	558	43	155
	70 kg	422	32	115
Lead 10	25 kg	588	95	276
	35 kg	410	65	190
	47 kg	295	46	135
Lead 20	6 kg	1068	355	710
	15 kg	416	136	275
	24 kg	252	81	166
Lead 32	7 kg	385	205	298
	13 kg	204	106	156
	-	-	-	-

(Unit: mm)



Wall Installation		A	B	C
Lead 5	30 kg	310	88	1066
	50 kg	172	49	620
	70 kg	115	32	422
Lead 10	20 kg	351	122	743
	30 kg	225	78	484
	47 kg	135	46	294
Lead 20	5 kg	852	428	1227
	12 kg	345	173	522
	24 kg	166	81	253
Lead 32	6 kg	350	240	453
	13 kg	155	106	204
	-	-	-	-

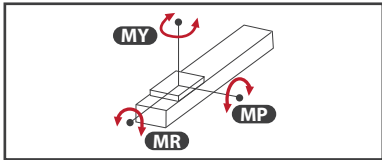
(Unit: mm)



Vertical Installation		A	C
Lead 5	5 kg	580	580
	11 kg	264	264
	17 kg	170	170
Lead 10	4 kg	644	644
	8 kg	322	322
	12 kg	215	215
Lead 20	3 kg	667	667
	6 kg	335	335
	-	-	-

(Unit: mm)

Static Loading Moment

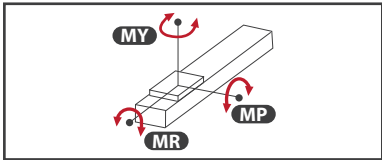


MY	174
MP	175
MR	153

(Unit: N.m)

* The torque value in the chart indicate the center of gravity.
* Operation life is 10,000km when the product is using under the specified conditions.
* Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Static Loading Moment



MY	174
MP	175
MR	153

(Unit: N.m)

* The torque value in the chart indicate the center of gravity.
* Operation life is 10,000km when the product is using under the specified conditions.
* Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

TTS

Normal Environment

Screw

-F-

Model Size

F: 14

-LE-

Lead

B: 5
C: 10
E: 20
G: 32

-0950-

Stroke (50~1050 mm)

50 mm Pitch

-E-

Motor Position

E: Exposed
D: Motor Bottom Side
L: Motor Left Side
R: Motor Right Side

-M2A-

Brake

A: No Brake
B: Brake

-D3-

Customization No.

N: No Customization
0: Customization No.

-N

Motor Brand

M: Mitsubishi
P: Panasonic
T: Delta

Motor Power

2: 200W
4: 400W

Home Sensor

Inside
A: Motor Side
B: Opposite Motor Side
Outside
C: Motor Side
D: Opposite Motor Side
E: No Sensor

Limit Sensor

Inside
1: 1 pcs
2: 2 pcs
Outside
3: 1 pcs
4: 2 pcs
5: No Sensor

* The motor is not included. Only for selecting assessment.

TTS

Normal Environment

Screw

-F-

Model Size

F: 14

-LG-

Lead

B: 5
C: 10
E: 20
G: 32

-1050-

Stroke (50~1050 mm)

50 mm Pitch

-E-

Motor Position

E: Exposed
D: Motor Bottom Side
L: Motor Left Side
R: Motor Right Side

-T4A-

Brake

A: No Brake
B: Brake

-C4-

Customization No.

N: No Customization
0: Customization No.

-N

Motor Brand

M: Mitsubishi
P: Panasonic
T: Delta

Motor Power

2: 200W
4: 400W

Home Sensor

Inside
A: Motor Side
B: Opposite Motor Side
Outside
C: Motor Side
D: Opposite Motor Side
E: No Sensor

Limit Sensor

Inside
1: 1 pcs
2: 2 pcs
Outside
3: 1 pcs
4: 2 pcs
5: No Sensor

* The motor is not included. Only for selecting assessment.

Allowable Overhang

Horizontal Installation		A	B	C
Lead 5	60 kg	2512	242	232
	80 kg	1811	172	164
	95 kg	1537	138	133
Lead 10	30 kg	2727	470	430
	50 kg	1577	266	242
	75 kg	1004	164	150
Lead 20	10 kg	2304	1222	1028
	22 kg	1443	540	451
	35 kg	1005	324	271
Lead 32	10 kg	1555	840	623
	15 kg	1033	545	405
	-	-	-	-

(Unit: mm)

Wall Installation		A	B	C
Lead 5	55 kg	257	269	2883
	75 kg	178	186	2000
	95 kg	133	138	1537
Lead 10	35 kg	363	395	2368
	55 kg	218	238	1445
	75 kg	150	164	1004
Lead 20	12 kg	854	1019	2552
	20 kg	500	596	1588
	35 kg	271	324	1005
Lead 32	8 kg	787	1060	1980
	15 kg	405	545	1033
	-	-	-	-

(Unit: mm)

Vertical Installation		A	C
Lead 5	15 kg	1118	1118
	22 kg	770	770
	27 kg	626	626
Lead 10	10 kg	1500	1500
	14 kg	1072	1072
	18 kg	833	833
Lead 20	4 kg	2980	2980
	7 kg	1700	1700
	-	-	-

(Unit: mm)

Allowable Overhang

Horizontal Installation		A	B	C
Lead 5	60 kg	2512	242	232
	80 kg	1811	172	164
	110 kg	1284	114	108
	110 kg	1284	114	108
Lead 10	30 kg	2727	470	430
	50 kg	1577	266	242
	88 kg	854	134	122
	88 kg	854	134	122
Lead 20	10 kg	2304	1222	1028
	22 kg	1443	540	451
	40 kg	860	277	233
	40 kg	860	277	233
Lead 32	15 kg	1033	545	405
	25 kg	604	311	233
	30 kg	495	251	188
	30 kg	495	251	188

(Unit: mm)

Wall Installation		A	B	C
Lead 5	55 kg	257	269	2883
	75 kg	178	186	2000
	110 kg	108	114	1284
	110 kg	108	114	1284
Lead 10	35 kg	363	395	2368
	55 kg	218	238	1445
	88 kg	123	134	854
	88 kg	123	134	854
Lead 20	12 kg	854	1019	2552
	20 kg	500	596	1588
	40 kg	233	277	860
	40 kg	233	277	860
Lead 32	15 kg	405	545	1033
	30 kg	188	251	495
	-	-	-	-
	-	-	-	-

(Unit: mm)

Vertical Installation		A	C
Lead 5	15 kg	1118	1118
	22 kg	770	770
	33 kg	513	513
	33 kg	513	513
Lead 10	10 kg	1500	1500
	14 kg	1072	1072
	22 kg	682	682
	22 kg	682	682
Lead 20	7 kg	1700	1700
	10 kg	1188	1188
	-	-	-
	-	-	-
Lead 32	5 kg	1503	1503
	8 kg	944	944
	-	-	-
	-	-	-

(Unit: mm)

Static Loading Moment

MY	551
MP	552
MR	485

(Unit: N.m)

* The torque value in the chart indicate the center of gravity.
* Operation life is 10,000km when the product is using under the specified conditions.
* Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Static Loading Moment

MY	551
MP	552
MR	455

(Unit: N.m)

* The torque value in the chart indicate the center of gravity.
* Operation life is 10,000km when the product is using under the specified conditions.
* Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

14

15

TTS

Normal Environment

Screw

-G

Model Size

G:17

-LE

Lead

B:5
C:10
E:20
H:40

-1150

Stroke (50~1250 mm)

50 mm Pitch

-E

Motor Position

E: Exposed
D: Motor Bottom Side
L: Motor Left Side
R: Motor Right Side

-M4A

Brake

A: No Brake
B: Brake

-C3

Customization No.

N: No Customization
0: Customization No.

-N

Motor Brand

M: Mitsubishi
P: Panasonic
T: Delta

Motor Power

4: 400W
7: 750W

Home Sensor

Inside
A: Motor Side
B: Opposite Motor Side
Outside
C: Motor Side
D: Opposite Motor Side
E: No Sensor

Limit Sensor

Inside
1: 1 pcs
2: 2 pcs
Outside
3: 1 pcs
4: 2 pcs
5: No Sensor

* The motor is not included. Only for selecting assessment.

TTS

Normal Environment

Screw

-G

Model Size

G:17

-LH

Lead

B:5
C:10
E:20
H:40

-1250

Stroke (50~1250 mm)

50 mm Pitch

-E

Motor Position

E: Exposed
D: Motor Bottom Side
L: Motor Left Side
R: Motor Right Side

-P7A

Brake

A: No Brake
B: Brake

-D4

Customization No.

N: No Customization
0: Customization No.

-N

Motor Brand

M: Mitsubishi
P: Panasonic
T: Delta

Motor Power

4: 400W
7: 750W

Home Sensor

Inside
A: Motor Side
B: Opposite Motor Side
Outside
C: Motor Side
D: Opposite Motor Side
E: No Sensor

Limit Sensor

Inside
1: 1 pcs
2: 2 pcs
Outside
3: 1 pcs
4: 2 pcs
5: No Sensor

* The motor is not included. Only for selecting assessment.

Allowable Overhang

Horizontal Installation		A	B	C
Lead 5	70 kg	3235	349	408
	90 kg	2482	263	306
	120 kg	1850	187	217
Lead 10	65 kg	1911	338	373
	85 kg	1445	248	276
	110 kg	1102	182	202
Lead 20	35 kg	1666	547	538
	55 kg	1030	331	328
	75 kg	733	231	230
Lead 40	15 kg	1126	740	577
	22 kg	755	491	384
	-	-	-	-

(Unit: mm)

Wall Installation		A	B	C
Lead 5	75 kg	377	322	2988
	95 kg	288	246	2333
	120 kg	218	187	1850
Lead 10	60 kg	408	368	2092
	80 kg	296	266	1554
	110 kg	202	182	1102
Lead 20	30 kg	633	644	1961
	50 kg	365	369	1143
	75 kg	230	231	733
Lead 40	12 kg	729	936	1417
	22 kg	384	491	755
	-	-	-	-

(Unit: mm)

Vertical Installation		A	C
Lead 5	20 kg	1368	1368
	30 kg	911	911
	40 kg	683	683
Lead 10	15 kg	1618	1618
	25 kg	970	970
	30 kg	808	808
Lead 20	10 kg	1922	1922
	14 kg	1377	1377
	-	-	-
Lead 40	4 kg	2377	2377
	7 kg	1356	1356
	-	-	-

(Unit: mm)

Allowable Overhang

Horizontal Installation		A	B	C
Lead 5	70 kg	3235	349	408
	90 kg	2482	263	306
	120 kg	1861	187	218
Lead 10	65 kg	1911	338	373
	85 kg	1445	248	276
	120 kg	1000	164	182
Lead 20	35 kg	1666	547	538
	55 kg	1030	331	328
	83 kg	654	206	204
Lead 40	15 kg	1126	740	577
	22 kg	755	491	384
	43 kg	366	231	183

(Unit: mm)

Wall Installation		A	B	C
Lead 5	75 kg	377	322	2988
	95 kg	288	246	2333
	120 kg	218	187	1850
Lead 10	60 kg	408	368	2092
	80 kg	296	266	1554
	120 kg	182	164	1002
Lead 20	30 kg	633	644	1961
	50 kg	365	369	1143
	83 kg	204	206	656
Lead 40	12 kg	729	936	1417
	22 kg	384	491	755
	43 kg	183	231	366

(Unit: mm)

Vertical Installation		A	C
Lead 5	20 kg	1368	1368
	30 kg	911	911
	50 kg	546	546
Lead 10	15 kg	1618	1618
	25 kg	970	970
	40 kg	607	607
Lead 20	10 kg	1922	1922
	14 kg	1377	1377
	25 kg	769	769
Lead 40	7 kg	1356	1356
	12 kg	790	790
	-	-	-

(Unit: mm)

Static Loading Moment

MY	1032
MP	1034
MR	908

(Unit: N.m)

* The torque value in the chart indicate the center of gravity.
* Operation life is 10,000km when the product is using under the specified conditions.
* Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Static Loading Moment

MY	1032
MP	1034
MR	908

(Unit: N.m)

* The torque value in the chart indicate the center of gravity.
* Operation life is 10,000km when the product is using under the specified conditions.
* Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

16

17

TTS

Normal Environment

Screw

-H

Model Size

H: 22

-LF

Lead

B: 5
C: 10
F: 25
H: 40

-1450

Stroke (50~1500 mm)

50 mm Pitch

-E

Motor Position

E: Exposed
D: Motor Bottom Side
L: Motor Left Side
R: Motor Right Side

-T7B

Brake

A: No Brake
B: Brake

-C4

Motor Power

7: 750W

-N

Customization No.

N: No Customization
0: Customization No.

Home Sensor

Inside
A: Motor Side
B: Opposite Motor Side
Outside
C: Motor Side
D: Opposite Motor Side
E: No Sensor

Limit Sensor

Inside
1: 1 pcs
2: 2 pcs
Outside
3: 1 pcs
4: 2 pcs
5: No Sensor

Motor Brand

M: Mitsubishi
P: Panasonic
T: Delta

230
214
122
182
220
14
55

* The motor is not included. Only for selecting assessment.

Allowable Overhang

Horizontal Installation		A	B	C
Lead 5	100 kg	5000	633	557
	125 kg	3880	491	431
	150 kg	3357	396	347
Lead 10	100 kg	3220	563	474
	125 kg	2554	434	367
	150 kg	2113	349	295
Lead 25	65 kg	1522	614	458
	85 kg	1136	451	336
	105 kg	893	350	262
Lead 40	18 kg	2445	1616	1052
	30 kg	1436	938	613
	43 kg	978	630	412

(Unit: mm)

Wall Installation		A	B	C
Lead 5	110 kg	500	569	4500
	130 kg	412	469	3711
	150 kg	347	396	3357
Lead 10	110 kg	427	503	2900
	130 kg	351	414	2444
	150 kg	295	349	2113
Lead 25	70 kg	420	564	1404
	90 kg	315	420	1066
	105 kg	262	350	893
Lead 40	15 kg	1272	1955	2948
	24 kg	778	1190	1813
	43 kg	412	630	978

(Unit: mm)

Vertical Installation		A	C
Lead 5	30 kg	2355	2355
	40 kg	1768	1768
	55 kg	1288	1288
Lead 10	25 kg	2505	2505
	35 kg	1795	1795
	45 kg	1396	1396
Lead 25	15 kg	2711	2711
	20 kg	2033	2033
	-	-	-
Lead 40	7 kg	3511	3511
	12 kg	2055	2055
	-	-	-

(Unit: mm)

Static Loading Moment

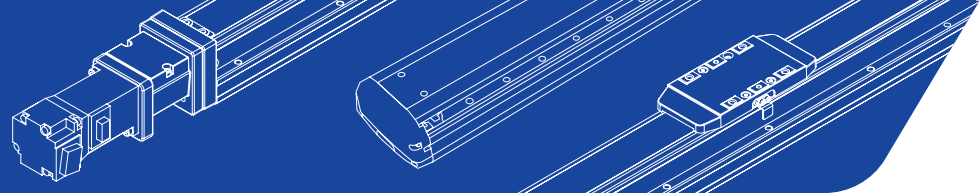
MY	2052
MP	2052
MR	1810

(Unit: N.m)

* The torque value in the chart indicate the center of gravity.
* Operation life is 10,000km when the product is using under the specified conditions.
* Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Table of Recommended Motors

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Motor Model
Mitsubishi	M	No Brake (Horizontal Type)	100	220	HG-KR13	MR-J4-10A
			200	220	HG-KR23	MR-J4-20A
			400	220	HG-KR43	MR-J4-40A
			750	220	HG-KR73	MR-J4-70A
		With Brake (Vertical Type)	100	220	HG-KR13B	MR-J4-10A
			200	220	HG-KR23B	MR-J4-20A
			400	220	HG-KR43B	MR-J4-40A
			750	220	HG-KR73B	MR-J4-70A
Panasonic	P	No Brake (Horizontal Type)	100	220	MSMD012G1U	MADHT1505
			200	220	MHMD022G1U	MADHT1507
			400	220	MHMD042G1U	MBDHT2510
			750	220	MHMD082G1U	MCDHT3520
		With Brake (Vertical Type)	100	220	MSMD012G1V	MADHT1505
			200	220	MHMD022G1V	MADHT1507
			400	220	MHMD042G1V	MBDHT2510
			750	220	MHMD082G1V	MCDHT3520
Delta	T	No Brake (Horizontal Type)	100	220	ECMA-C20401ES	ASD-B20121-B
			200	220	ECMA-C20602ES	ASD-B20221-B
			400	220	ECMA-C20604ES	ASD-B20421-B
			750	220	ECMA-C20807ES	ASD-B20721-B
		With Brake (Vertical Type)	100	220	ECMA-C20401FS	ASD-B20121-B
			200	220	ECMA-C20602FS	ASD-B20221-B
			400	220	ECMA-C20604FS	ASD-B20421-B
			750	220	ECMA-C20807FS	ASD-B20721-B



MEMO