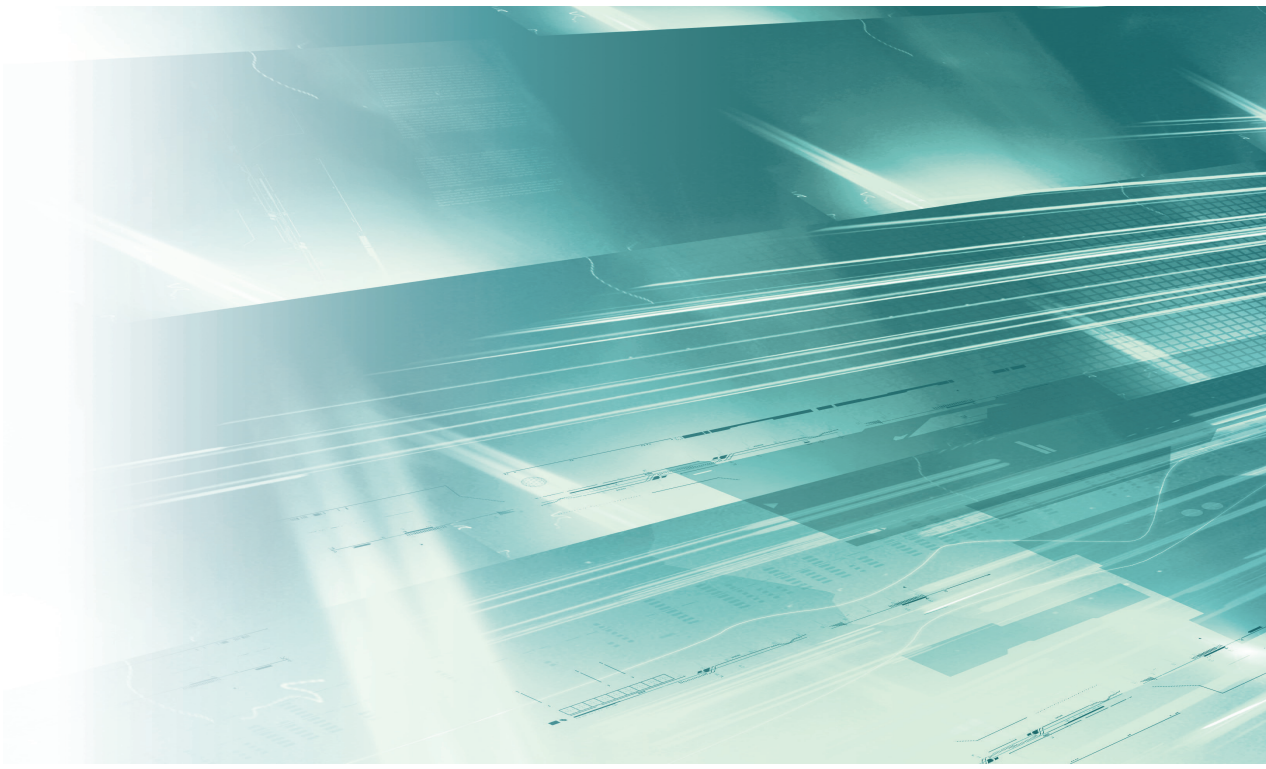
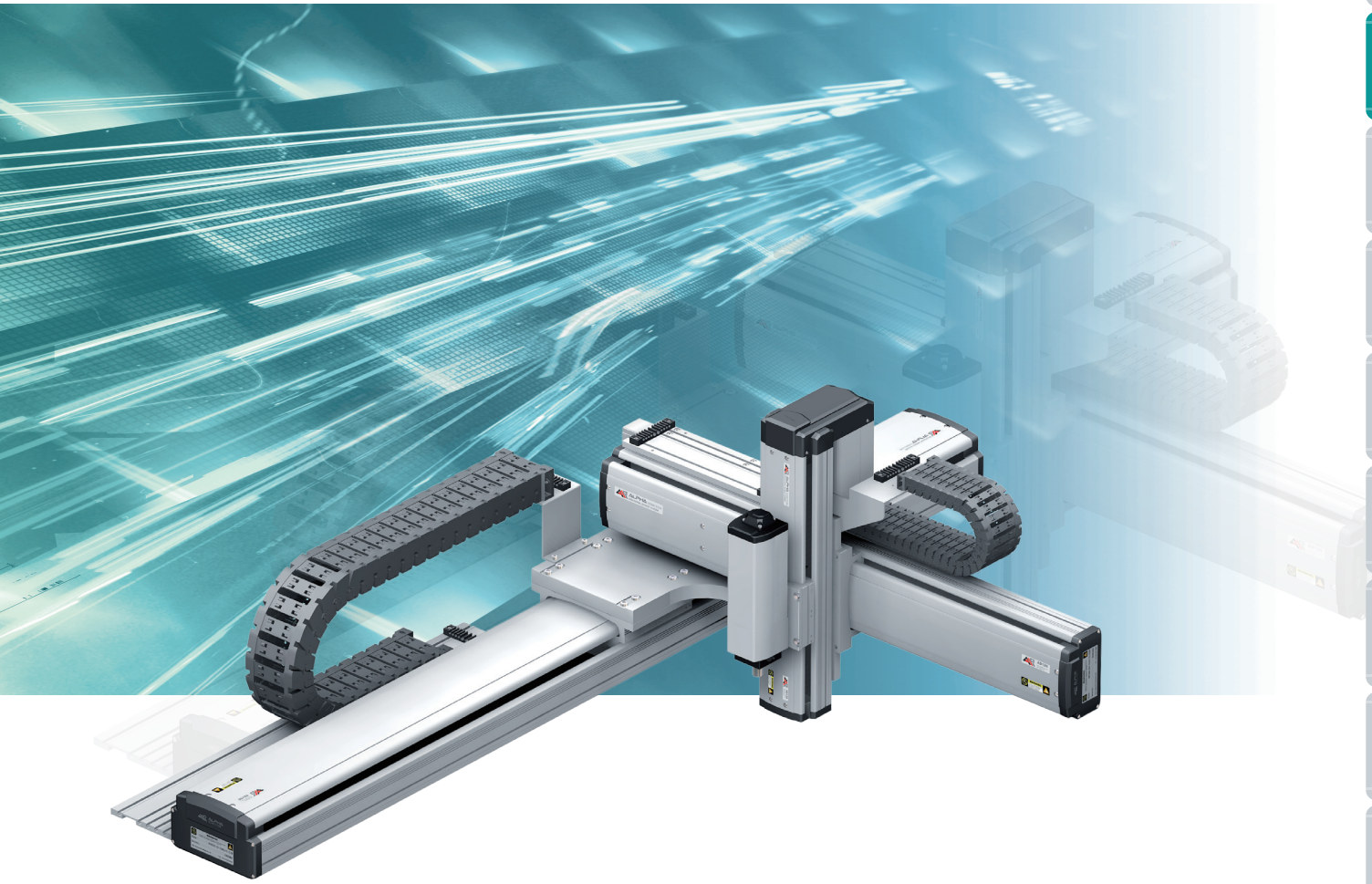
Alpha Standard Robot

AR

Ball Screw Series





Characteristics

- Compact design and high rigid structure with Alpha's standardization of ball screw
  알파로보틱스 표준 Ball screw 직각좌표 로봇 AR series는 컴팩트한 디자인의 고강성 구조
- Wide-ranging configuration and application with various sized models
  고속, 고정밀 위치결정 성능이 탁월하며 다양한 제품 모델을 갖추고 있으며 동작속도,
  위치정밀도, 동작범위 및 부하에 따른 내구성이 강하며 다양한 응용분야에 대응 가능
- High durability against high speed, long stroke, and high load
  유지보수 간편한 구조, 높은 신뢰성 실현
- Easy maintenance and high reliability positioning repeatability ±0.02mm (±0.005mm option)
  반복위치 정밀도가 ±0.02mm (Option : ±0.005mm)로 고정도 실현
- With dedicated AC servo motor for robot, convenience of maintenance and high reliability guaranteed
  로봇 전용 AC servo motor를 채택하여 유지보수의 편리성 및 높은 신뢰성 실현
- Wide range configuration and application available
  다양한 조합이 가능하도록 설계되어 적용시 유용성 실현

ORDER INFORMATION

A AR SERIES

AR050	-	S	1	-	500	-	10	N	-	H
1		2	3		4		5	6		7



1 SERIES
2 SHAPE
3 SLIDE TABLE TYPE
4 STROKE (mm)
5 MOTOR RATED OUTPUT
6 BRAKE OPTION
7 SPEED (mm/s)

B Options

I	-	H	LF	A	55	-	W	-	N	-	F00
1		2	3	4	5		6		7		8

1 SENSOR
2 3 4 5 CABLEVEYOR
6 COLOR OF ROBOT
7 SURFACE TREATMENT
8 CABLE LENGTH

ORDER INFORMATION

AR SERIES — ALPHA Standard Robot



S Straight Type 

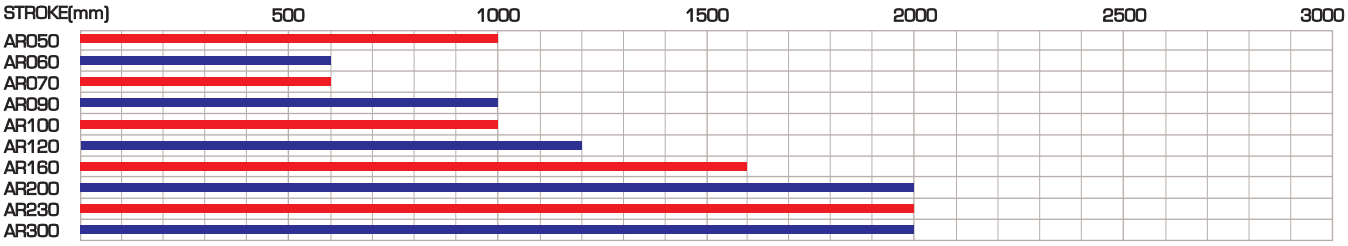
PL Parallel Left Type 

PR Parallel Right Type 

PU Parallel Under Type 

1 Normal Type 

2 Plane Type 



10 100W **20** 200W **40** 400W **75** 750W **1K** 1000W **1.5K** 1500W

N Without Brake **B** With Brake

L Low Speed Type 250 mm/s **N** Normal Speed Type 500 mm/s **H** High Speed Type 1000 mm/s

I Internal Sensor (Standard) **E** External Sensor

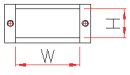
2 Attaching Type

N None **H** Horizontal  **W** Wall Hanging  **R** Rear 

3 Cableveyor direction

LF Left - Front **RF** Right - Front
LR Left - Rear **RR** Right - Rear

4 Cableveyor selection (Hmm × Wmm)



Standard / Cleanroom

	CPS	IGUS	TSUBAKI
A	26×35	F 29×40	J 28×40
B	26×50	G 29×60	K 28×60
C	26×55	H 29×80	L 28×80
D	26×75	I 29×100	M 28×100
E	26×100		

* Please see the catalogue A20.3 for more information of cableveyor.

5 The radius of curvature (mm)

46 R40 ~ R45 **66** R60 ~ R65 **86** R80 ~ R90 **116** *1 R110 ~ R120 **146** *2 R146

* 1, * 2 are non-standard

W White (Standard) **B** Black Anodizing

N Surface Treatment (Standard) **R** Raydent Surface Treatment (LM Rail)

Flexible Cable

F00 None **F03** 3m **F05** 5m **F07** 7m **F10** 10m

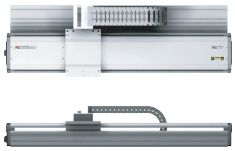
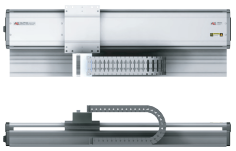
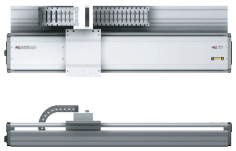
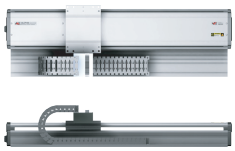
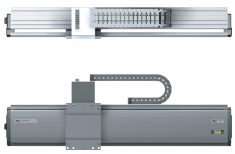
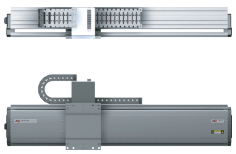
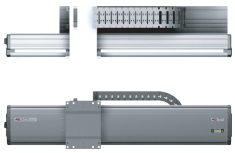
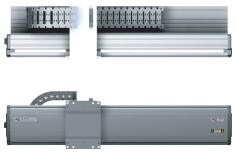
* Please do not hesitate to contact us when the cable is applied more than 10m.

B ORDER INFORMATION - OPTIONS

2 3 4 5 Cableveyor Selecting Options

Series	Applicable Type			
	Horizontal	Wall Hanging	Rear	Double
AR	●	●	●	

2 3

Applicable Type	Cableveyor Directions			
N None NOTE1	L F Left-Front	R F Right-Front	L R Left-Rear	R R Right-Rear
H Horizontal				
W Wall Hanging				
R Rear				
D Double				

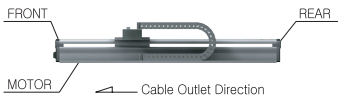
3

Cableveyor Directions

L F

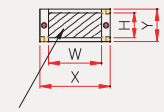
Cableveyor Mounted Direction

Cable Outlet Direction

Cableveyor Mounted Direction		Cable Outlet Direction	
L Left	R Right	F Front	R Rear
			

4 5 * Cableveyor Selecting

Unit : mm



Wiring space (Pic 10-1)

STANDARD								CLEANROOM													
Selecting Item	Internal dimentions H	Internal dimentions W	External dimentions Y	External dimentions X	Radius R	Capacity (mm²) NOTE2 Origin		Selecting Item	Internal dimentions H	Internal dimentions W	External dimentions Y	External dimentions X	Radius R	Capacity (mm²) NOTE2 Origin	Selecting Item	Internal dimentions H	Internal dimentions W	External dimentions Y	External dimentions X	Radius R	Capacity (mm²) NOTE2 Origin
A	26	35	38	55	46	1128		F	29	40	35	59.5	45	1160	J	28	40	35	60	45	1120
B	26	50	38	70	66	980		G	29	60	35	79.5	55	1740	K	28	60	35	80	55	1680
C	26	55	38	75	86	1540		H	29	80	35	99.5	75	2320	L	28	80	35	100	75	2240
D	26	75	38	95	116	2100		I	29	100	35	119.5	95	2900	M	28	100	35	120	95	2800
E	26	100	38	120	146	2800		-			-	-	100	-	-			-	-	100	-

CAUTION

*Be sure to install in the direction as specified individually.
*Installation in any other way will cause a failure.
*For requirement of installation in any way other than the above standard installation, please consult Head Office and Agent.

NOTE1 In case that cableveyor is not affixed, it does not need to mark cableveyor specification and instead, just mark 'N'(none).
NOTE2 Please select the floor area ratio by user's using environment, using condition at below 60%

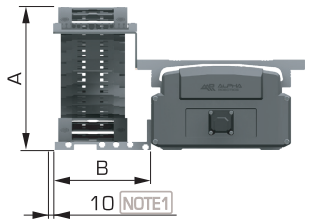
주의

*반드시 개별적으로 지정한 방향으로 설치해 주십시오.
*상기 표준 이외의 방법으로 설치하는 것은 고장의 원인이 됩니다.
*상기 표준 이외의 방법으로 설치할 경우에는 대리점 및 당사에 문의바랍니다.

NOTE1 케이블베어를 장착하지 않을 경우에는 "N"(None)만 표기하고 다른 케이블베어 사양은 표기하지 않습니다.
NOTE2 용적률은 사용자의 용적으로 검토해 주십시오.
용적률은 사용자의 사용환경, 사용조건에 따라 60%이하로 적절히 선정하십시오.

B ORDER INFORMATION

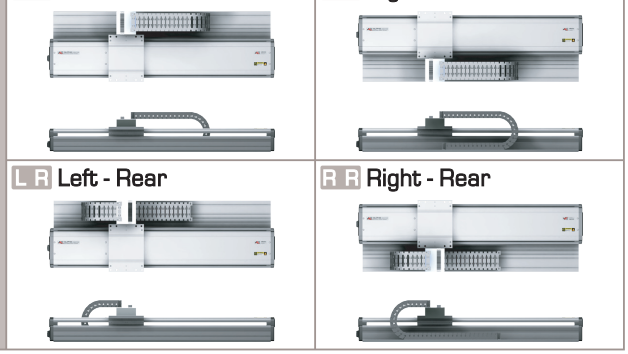
2 H Horizontal Type



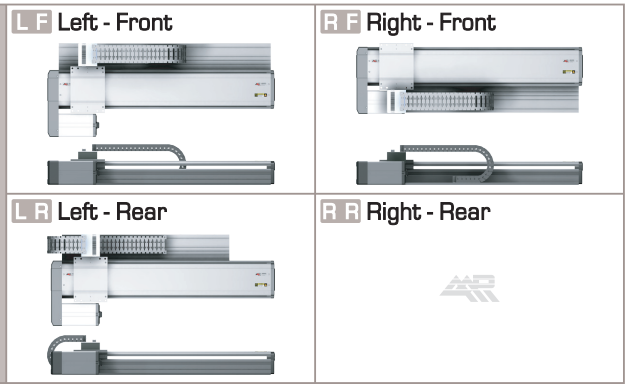
BASE SIZE	CABLEVEYOR		S1		S2	
	Bending radius R	Internal dimentions	A	B	A	B
AR050	R045	35, 40	171	80	171	98
		55, 60	171	98	171	118
AR060	R055	35, 40	138	80	138	98
		55, 60	138	98	138	118
AR070	R055	35, 40	141	98	141	98
		55, 60	141	118	141	118
AR090	R055	35, 40	152	80	152	98
		55, 60	152	98	152	118
AR100	R055	35, 40	158	80	158	98
		55, 60	158	98	158	118
AR120	R055	35, 40	164	98	164	118
		55, 60	164	118	164	138
AR160	R055	55, 60	186	98	186	118
		75, 80	186	118	186	138
AR200	R075	55, 60	208	98	208	118
		75, 80	208	118	208	138
AR230	R075	55, 60	200	98	200	118
		75, 80	200	118	200	138
AR300	R075	75, 80	228	118	228	138
		95, 100	228	138	228	158

3 NOTE2 Cableveyor Directions

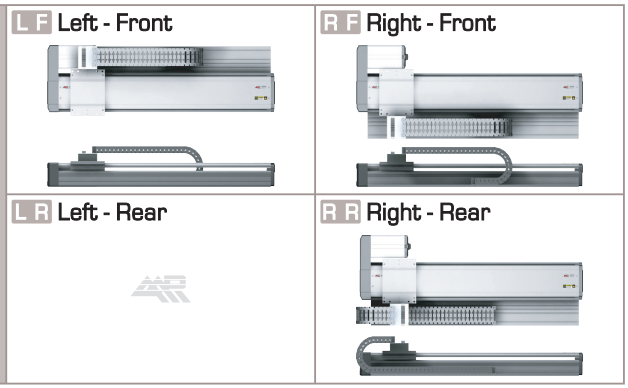
S type



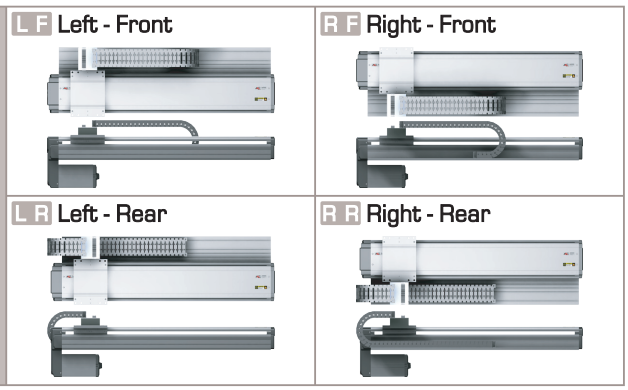
PR type



PL type



PU type

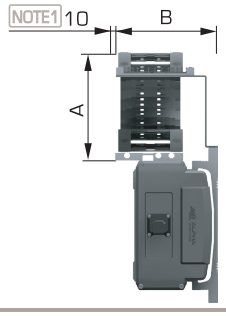


NOTE1 This is a minimum space allowance between Cableveyor and external interference when robot drives.
NOTE2 For the information of Cable veyor of blank, please contact a distributor or our company.

NOTE1 로봇을 구동할 때에 케이블베어와 외부 간섭과의 최소여유치수입니다.
NOTE2 빈칸의 케이블베어 장착은 영업점 및 폐사에 문의 바랍니다.

B ORDER INFORMATION

2 W Wall Hanging Type

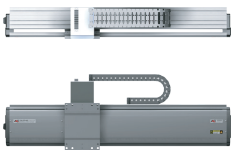


BASE SIZE	CABLEVEYOR		S1		S2	
	Bending radius R	Internal dimentions	A	B	A	B
AR050	R045	35, 40	186	98	186	98
		55, 60	186	118	186	118
AR060	-	-	-	-	-	-
		-	-	-	-	-
AR070	-	-	-	-	-	-
		-	-	-	-	-
AR090	R055	35, 40	150	98	150	98
		55, 60	150	118	150	118
AR100	R055	35, 40	150	98	150	98
		55, 60	150	118	150	118
AR120	R055	35, 40	150	118	150	118
		55, 60	150	118	150	118
AR160	R055	55, 60	150	138	150	138
		75, 80	150	138	150	138
AR200	R075	55, 60	150	138	150	138
		75, 80	150	138	150	138
AR230	R075	55, 60	190	138	190	138
		75, 80	190	138	190	138
AR300	R075	55, 60	190	138	190	138
		75, 80	190	138	190	138

3 NOTE2 Cableveyor Directions

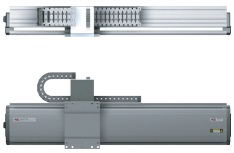
S type

L F Left - Front



R F Right - Front

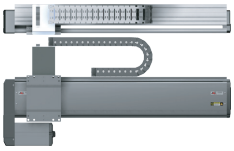
L R Left - Rear



R R Right - Rear

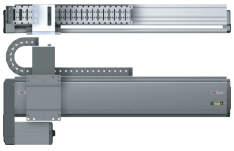
PR type

L F Left - Front



R F Right - Front

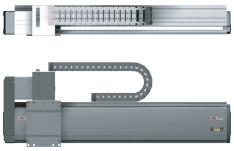
L R Left - Rear



R R Right - Rear

PL type

L F Left - Front



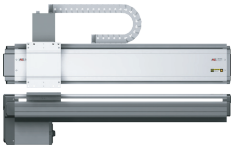
R F Right - Front

L R Left - Rear

R R Right - Rear

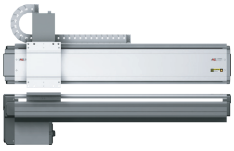
PU type

L F Left - Front



R F Right - Front

L R Left - Rear



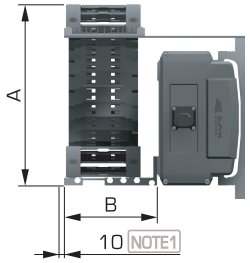
R R Right - Rear

NOTE1 This is a minimum space allowance between Cableveyor and external interference when robot drives.
NOTE2 For the information of Cable veyor of blank, please contact a distributor or our company.

NOTE1 로봇을 구동할 때에 케이블베어와 외부 간섭과의 최소여유치수입니다.
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B ORDER INFORMATION

2 R Rear Type



BASE SIZE	CABLEVEYOR		S1		S2	
	Bending radius R	Internal dimentions	A	B	A	B
AR050	-	-	-	-	-	-
		-	-	-	-	-
AR060	-	-	-	-	-	-
		-	-	-	-	-
AR070	-	-	-	-	-	-
		-	-	-	-	-
AR090	R055	35, 40	152	80	152	80
		55, 60	152	98	152	98
AR100	R055	35, 40	158	80	158	80
		55, 60	158	98	158	98
AR120	R055	35, 40	187	98	187	98
		55, 60	187	118	187	118
AR160	R055	55, 60	226	118	226	118
		75, 80	226	138	226	138
AR200	R075	55, 60	226	118	266	118
		75, 80	226	138	266	138
AR230	R075	55, 60	302	118	302	118
		75, 80	302	138	302	138
AR300	R075	55, 60	366	118	366	118
		75, 80	366	138	366	138

3 NOTE2 Cableveyor Directions

S type

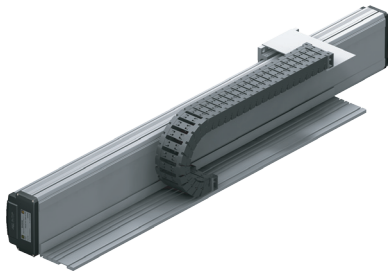
L F Left - Front	R F Right - Front
L R Left - Rear	R R Right - Rear

PR type

L F Left - Front	R F Right - Front
L R Left - Rear	R R Right - Rear

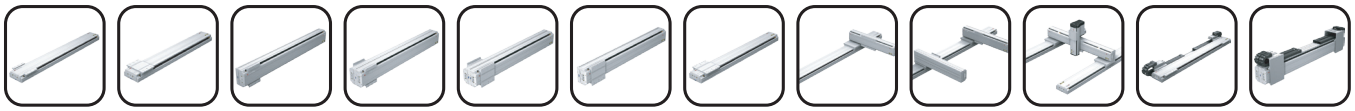
PU type

L F Left - Front	R F Right - Front
L R Left - Rear	R R Right - Rear



NOTE1 This is a minimum space allowance between Cableveyor and external interference when robot drives.
NOTE2 For the information of Cable veyor of blank, please contact a distributor or our company.

NOTE1 로봇을 구동할 때에 케이블베어와 외부 간섭과의 최소여유치수입니다.
NOTE2 빈칸의 케이블베어 장착은 영업점 및 폐사에 문의 바랍니다.

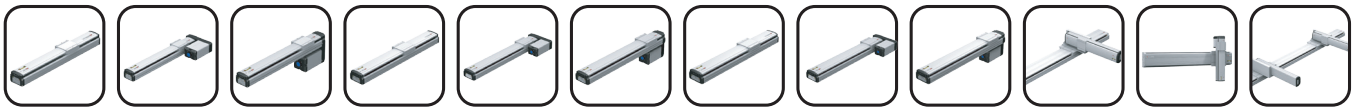




ALPHA ROBOT SPECIFICATIONS

Product		Rated Output	Ball Screw ※1		Max. Speed ※4		Max. Load (H)		Max. Load (V)	
		w	E.D	Lead		mm/s	50 100 150 200 kg		50 100 150 200 kg	
AR SERIES	050	100	∅15	10	N	500		8		6
		100	∅15	20	H	1000		2.5		2
	060	100	∅12	5	L	250		22		15
		100	∅12	10	N	500		6		4
		100	∅12	20	H	1000		6		4
	070	100	∅15	10	N	500		14		8
		100	∅15	20	H	1000		3.5		3
	090	100	∅15	10	N	500		8		6
		100	∅15	20	H	1000		2		2
		200	∅15	10	N	500		35		20
		200	∅15	20	H	1000		28		14
	100	100	∅15	10	N	500		8		6
		100	∅15	20	H	1000		2		2
		200	∅15	10	N	500		35		20
		200	∅15	20	H	1000		28		14
	120	200	∅15	10	N	500		50		22
		200	∅15	20	H	1000		28		10
		400	∅15	10	N	500		50		38
		400	∅15	20	H	1000		45		20
	160	400	∅15 ※2	10	N	500		80		40
		400	∅15 ※2	20	H	1000		30		20
		400	∅20 ※2	10	N	500		70		35
		400	∅20 ※2	20	H	1000		25		18
		750	∅15 ※2	10	N	500		80		45
		750	∅15 ※2	20	H	1000		70		30
		750	∅20 ※2	10	N	500		80		45
		750	∅20 ※2	20	H	1000		70		30

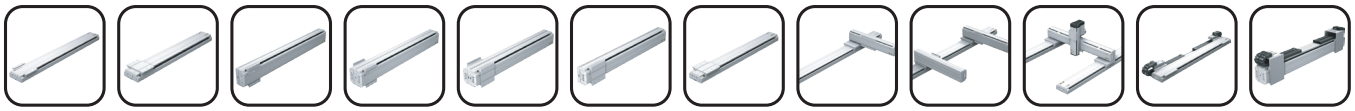
※1 : Accuracy class of Ball screw is C7 ※2 : Below stroke 500mm, Φ15 applied. Above stroke 500mm, Φ20 applied
※3 : Below stroke 800mm, Φ20 applied. Above stroke 800mm, Φ25 applied



PRO GRAM | mm | mm/s | kg

Repeatability	Max. Stroke ※5																									Page no.
mm	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	mm	
±0.02					500			480																	379	800	B21.1 ~ 4
±0.02					1000			959																	758	800	B21.1 ~ 4
±0.02					250																					600	B22.1 ~ 5
±0.02					500																					600	B22.1 ~ 5
±0.02					1000																					600	B22.1 ~ 5
±0.02					500																					600	B23.1 ~ 4
±0.02					1000																					600	B23.1 ~ 4
±0.02					500			494			388	313	258													1000	B24.1 ~ 4
±0.02					1000			984			775	627	517													1000	B24.1 ~ 5
±0.02					500			492			388	313	258													1000	B24.1 ~ 5
±0.02					100			984			775	627	517													1000	B24.1 ~ 5
±0.02					500			492			388	313	258													1000	B25.1 ~ 5
±0.02					1000			984			775	627	517													1000	B25.1 ~ 5
±0.02					500			492			388	313	258													1000	B25.1 ~ 5
±0.02					1000			984			775	627	517													1000	B25.1 ~ 5
±0.02					500			474			375	304	251	211	180											1200	B26.1 ~ 5
±0.02					1000			948			750	608	503	423	361											1200	B26.1 ~ 4
±0.02					500			474			375	304	251	211	180											1200	B26.1 ~ 4
±0.02					1000			948			750	608	503	423	361											1200	B26.1 ~ 4
±0.02					500			451			359	292	243	205	175											1200	B27.1 ~ 4
±0.02					1000			902			718	584	485	409	350											1200	B27.1 ~ 4
±0.02						500				440		384	331	288	253											1300	B27.1 ~ 4
±0.02						1000				880		750	647	560	495	438	390	350								1600	B27.1 ~ 4
±0.02					500			451			359	292	243	205	175											1200	B27.1 ~ 4
±0.02					1000			902			718	584	485	409	350											1200	B27.1 ~ 4
±0.02						500				494		402	334	282	241	208										1300	B27.1 ~ 4
±0.02						1000				988		805	668	563	482	416	364	320	284							1600	B27.1 ~ 4

※4 : In case of 1k and 1.5kW, Maximum speed in an operation of 2000min ※5 : Figures of Max.Stroke of bar graph indicate Max.Speed of each stroke

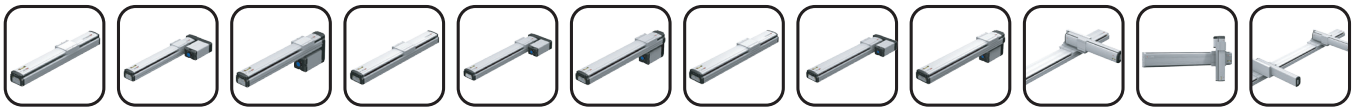




ALPHA ROBOT SPECIFICATIONS

Product		Rated Output	Ball Screw ※1		Max. Speed ※4		Max. Load (H)					Max. Load (V)				
		w	E.D	Lead	mm/s		50	100	150	200	kg	50	100	150	200	kg
AR SERIES	200	750	ϕ20 ※3	10	N	500					120					60
		750	ϕ20 ※3	20	H	1000					90					38
		750	ϕ25 ※3	10	N	500					120					60
		750	ϕ25 ※3	20	H	1000					70					38
	230	750	ϕ20 ※3	10	N	500					150					60
		750	ϕ20 ※3	20	H	1000					90					38
		750	ϕ25 ※3	10	N	500					150					60
		750	ϕ25 ※3	20	H	1000					70					38
		1K	ϕ20 ※3	10	N	330					150					140
		1K	ϕ20 ※3	20	H	660					150					80
		1K	ϕ25 ※3	10	N	330					150					140
		1K	ϕ25 ※3	20	H	660					150					80
	300	1K	ϕ25	10	N	330					200					150
		1K	ϕ25	20	H	660					180					75
		1.5K	ϕ25	10	N	330					200					180
		1.5K	ϕ25	20	H	660					200					120

※1 : Accuracy class of Ball screw is C7 ※2 : Below stroke 500mm, Φ15 applied. Above stroke 500mm, Φ20 applied
※3 : Below stroke 800mm, Φ20 applied. Above stroke 800mm, Φ25 applied



PRO GRAM | mm | mm/s | kg

Repeatability	Max. Stroke ※5																									Page no.
mm	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	mm	
±0.02	500							478	391	325	275	235	204	178	157	140										1600	B28.1 ~ 4
±0.02	1000							957	782	651	550	471	408	357	314	279	250	225	203	185						2000	B28.1 ~ 4
±0.02	500								424	358	307	266	232	205	182											1600	B28.1 ~ 4
±0.02	1000								848	717	614	532	465	410	364	326	293	265	241							2000	B28.1 ~ 4
±0.02	500							478	391	325	275	235	204	178	157	140										1600	B29.1 ~ 8
±0.02	1000							957	782	651	550	471	408	357	314	279	250	225	203	185						2000	B29.1 ~ 8
±0.02	500									495	460	399	349	307	273	244	220	199	181							2000	B29.1 ~ 8
±0.02	1000									990	921	797	697	615	546	488	439	397	361							2000	B29.1 ~ 8
±0.02	330							319	261	217	183	157	136	119	105	93										1600	B29.1 ~ 8
±0.02	660							638	521	434	367	314	272	238	210	186	166	150	135	123						2000	B29.1 ~ 8
±0.02	330										307	266	232	205	182	163	146	132	120							2000	B29.1 ~ 8
±0.02	660										614	532	465	410	364	326	293	265	241							2000	B29.1 ~ 8
±0.02	330										307	266	232	205	182	163	146	132	120							2000	B30.1 ~ 4
±0.02	660										614	532	465	410	364	326	293	265	241							2000	B30.1 ~ 4
±0.02	330										307	266	232	205	182	163	146	132	120							2000	B30.1 ~ 4
±0.02	660										614	532	465	410	364	326	293	265	241							2000	B30.1 ~ 4

※4 : In case of 1k and 1.5kW, Maximum speed in an operation of 2000min

※5 : Figures of Max.Stroke of bar graph indicate Max.Speed of each stroke

Model	AR050-S	AR050-PL	AR050-PR	AR050-PU				

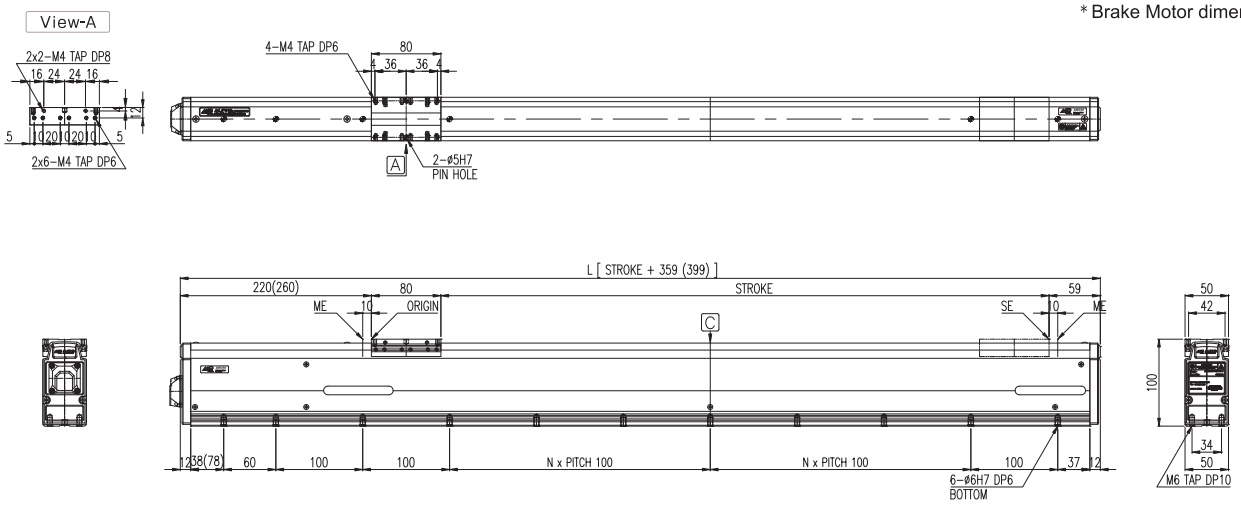
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR050-S1(PL1)-10N	
AR050-S1			AR050-PL1	
Rated Output		W	100W, 3000 min^{-1}	
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:8 (2.5)	V:6 (2)
Stroke Range		mm	100 ~ 800	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

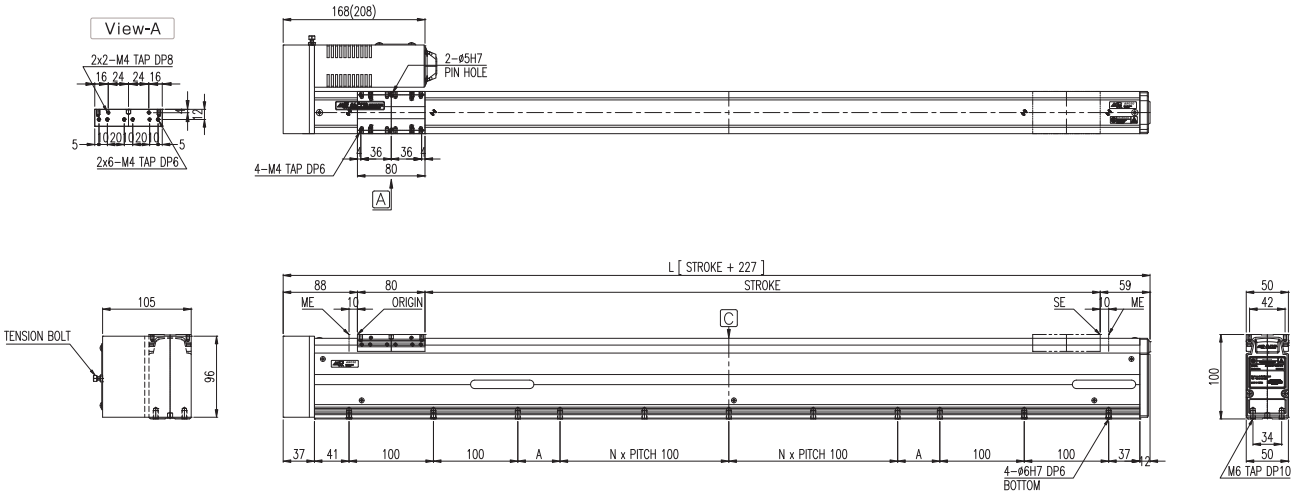
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	10	14
Allowable Overhang Distance - mm	Horizontal Use	0°	278	136	79	55
		45°	275	135	78	55
		90°	300	300	300	300
	Wall Installation Use	0°	300	300	300	300
		45°	245	116	65	43
		90°	258	123	69	46
	Vertical Use	0°	300	184	110	79
		45°	230	114	69	49
		90°	300	226	136	97
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

AR050-S1

* All dimensions in mm
* Brake Motor dimension



AR050-PL1



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR050-S(PL)-10N	kg	5.7	6.2	6.8	7.4	8.0	8.5	9.1	9.7			0.57
Speed	AR050-S(PL)-N	mm/s	500						480	379			
	AR050-S(PL)-H	mm/s	1000						959	758			

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model | AR050-S | AR050-PL | **AR050-PR** | **AR050-PU**

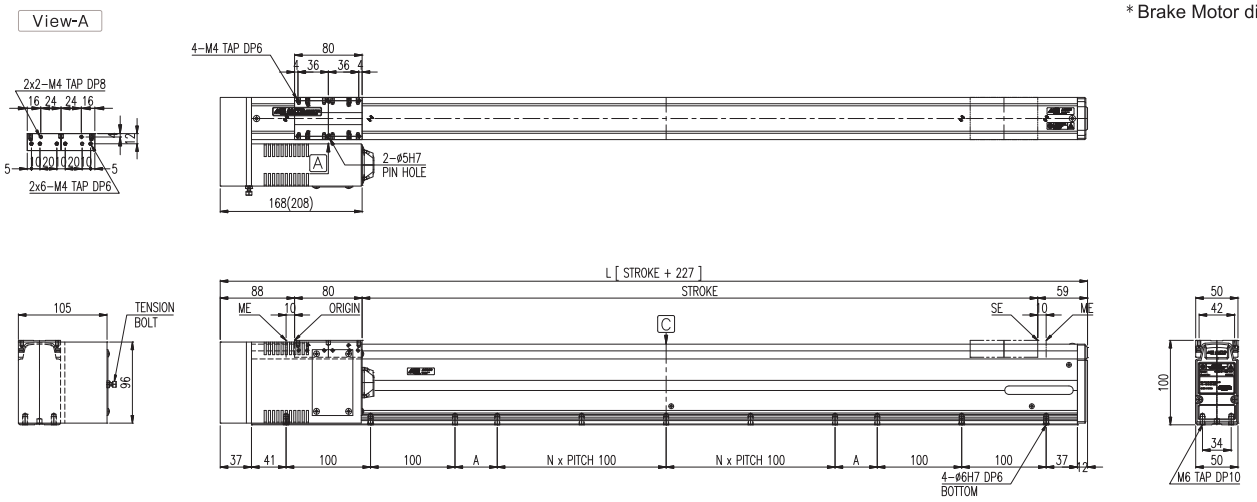
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	AR050-PR1(PU1)-10N
AR050-PR1		AR050-PU1
Rated Output	W	100W, 3000 min⁻¹
Max. Speed Note1	mm/s	500 (1000)
Max. Load Note2	kg	H:8 (2.5) / V:6 (2)
Stroke Range	mm	100 ~ 1000
Repeatability	mm	± 0.02
Drive Type	-	BALL SCREW

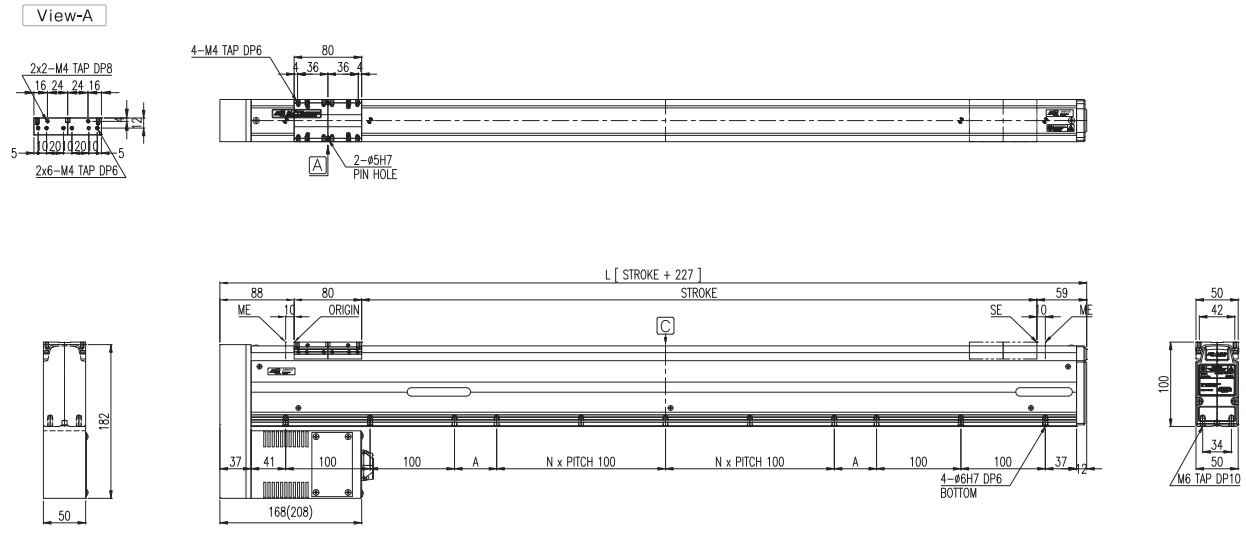
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	10	14
Allowable Overhang Distance - mm	Horizontal Use	0°	278	136	79	55
		45°	275	135	78	55
		90°	300	300	300	300
	Wall Installation Use	0°	300	300	300	300
		45°	245	116	65	43
		90°	258	123	69	46
	Vertical Use	0°	300	184	110	79
		45°	230	114	69	49
		90°	300	226	136	97
Note3	Estimated Condition	Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)		
		Life in traveled distance : 30000 km				

AR050-PR1

* All dimensions in mm
* Brake Motor dimension



AR050-PU1



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR050-PR(PU)-10N	kg	4.6	5.4	6.0	6.6	7.1	7.7	8.3	8.8	9.4	10.0	0.57

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR050-PR(PU)-N	mm/s	500						480	379			
	AR050-PR(PU)-H	mm/s	1000						959	758			

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of 'A' change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model	AR060-SN	AR060-S	AR060-PL	AR060-PR	AR060-PU			

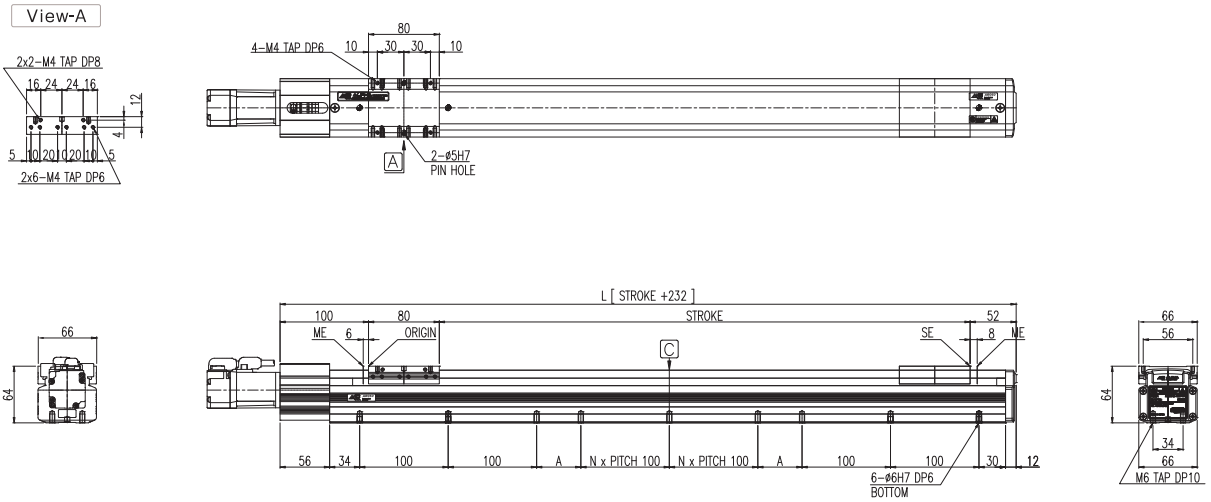
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR060-SN1/2-10N	
AR060-SN1				
AR060-SN2				
Rated Output		W	100W, 3000 min^{-1}	
Max. Speed	Note1	mm/s	500(1000)	
Max. Load	Note2	kg	H:22 (6)	H:15 (4)
Stroke Range		mm	100 ~ 600	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

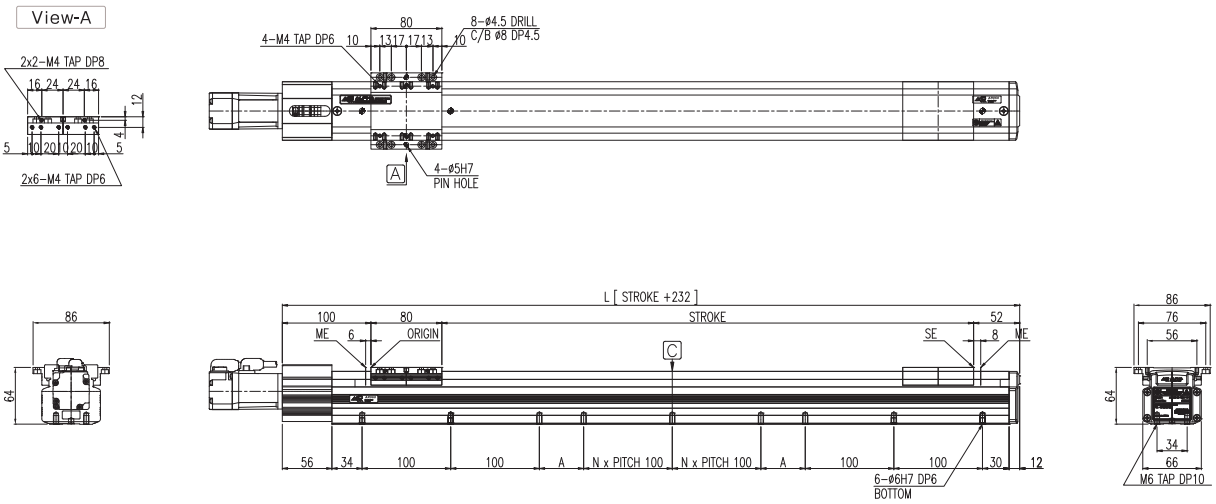
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	3	6	10	16
Allowable Overhang Distance - mm	Horizontal Use		0°	335	162	92	53
			45°	320	155	89	51
			90°	350	350	350	350
	Wall Installation Use		0°	350	350	350	350
			45°	315	154	88	51
			90°	340	165	95	55
	Vertical Use		0°	350	198	119	74
			45°	210	105	63	40
			90°	350	197	118	74
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)		
			Life in traveled distance : 30000 km				

AR060-SN1

* All dimensions in mm



AR060-SN2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR060-S-10N	kg	3.4	3.9	4.4	4.9	5.4	5.9					0.50
Speed	AR060-S-L	mm/s	250										
	AR060-S-N	mm/s	500										

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of 'A' change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model	AR060-SN	AR060-S	AR060-PL	AR060-PR	AR060-PU			

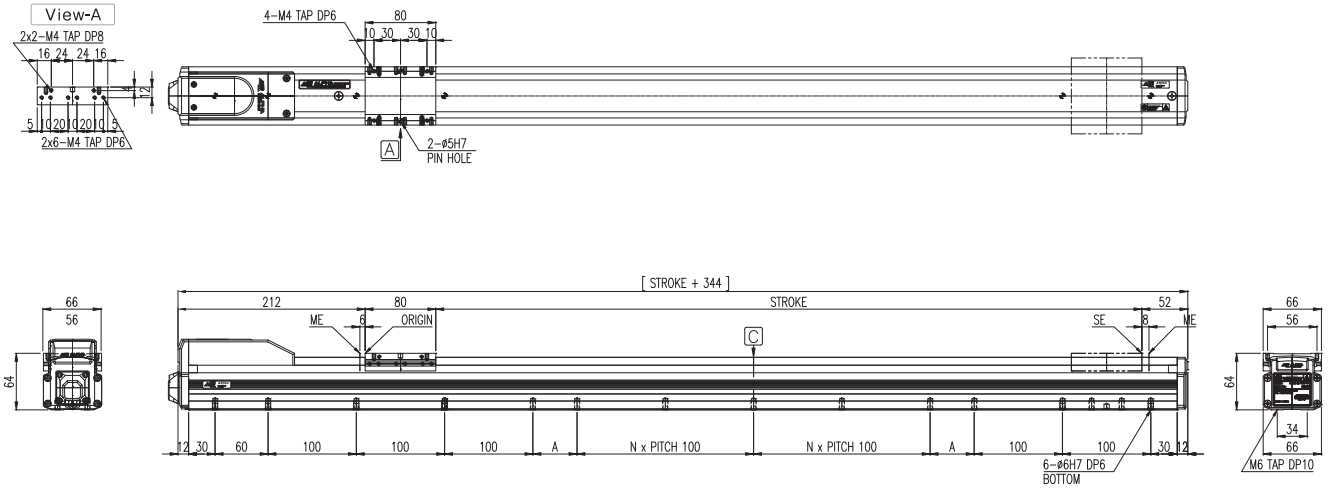
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR060-S1/2-10N	
AR060-S1			AR060-S2	
Rated Output		W	100W, 3000 min^{-1}	
Max. Speed	Note1	mm/s	500(1000)	
Max. Load	Note2	kg	H:22 (6)	H:15 (4)
Stroke Range		mm	100 ~ 600	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

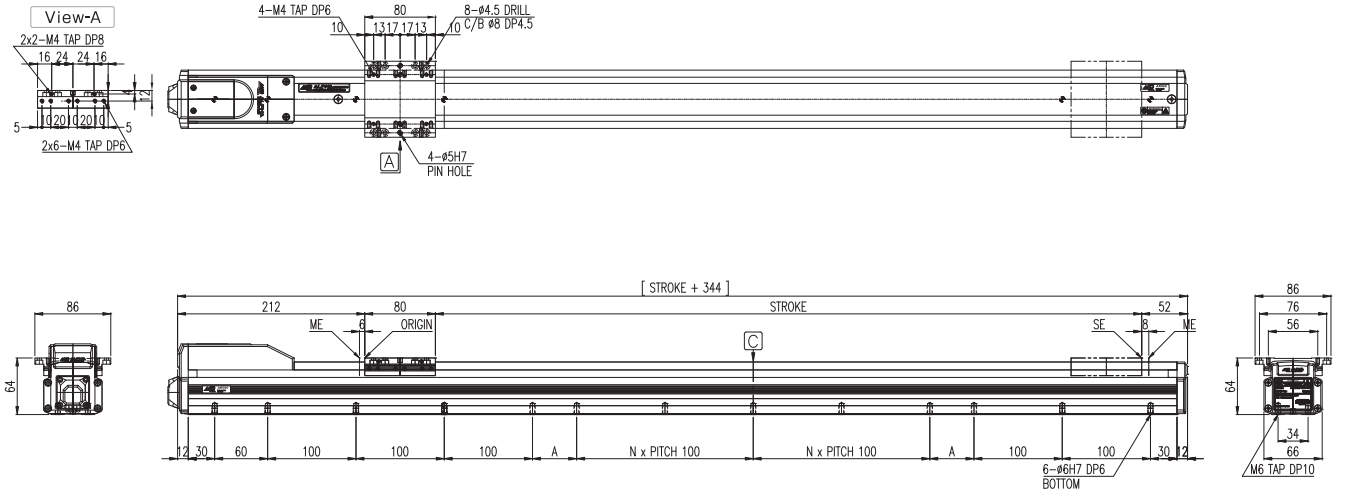
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	10	16
Allowable Overhang Distance - mm	Horizontal Use	0°	335	162	92	53
		45°	320	155	89	51
		90°	350	350	350	350
	Wall Installation Use	0°	350	350	350	350
		45°	315	154	88	51
		90°	340	165	95	55
	Vertical Use	0°	350	198	119	74
		45°	210	105	63	40
		90°	350	197	118	74
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

AR060-S1

* All dimensions in mm



AR060-S2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR060-S-10N	kg	4.7	5.2	5.7	6.2	7.7	8.2					0.50
Speed	AR060-S-L	mm/s	250										
	AR060-S-N	mm/s	500										

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of 'A' change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model	AR060-SN	AR060-S	AR060-PL	AR060-PR	AR060-PU			

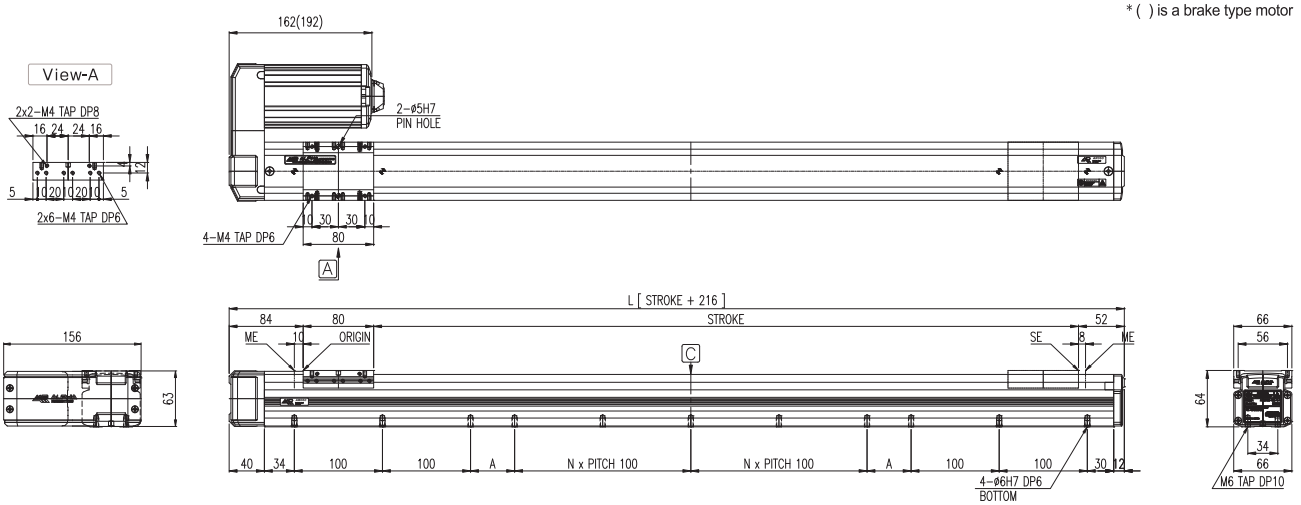
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR060-PL1/2-10N	
AR060-PL1 			AR060-PL2 	
Rated Output		W	100W, 3000 min-1	
Max. Speed	Note1	mm/s	500(1000)	
Max. Load	Note2	kg	H:22 (6)	H:15 (4)
Stroke Range		mm	100 ~ 600	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

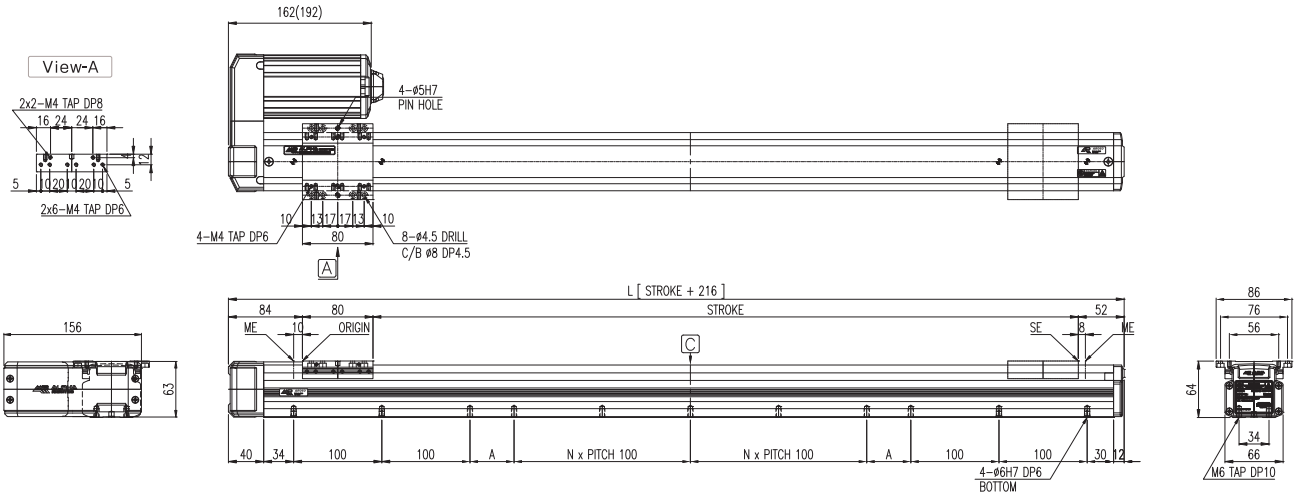
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	10	16
Allowable Overhang Distance - mm	Horizontal Use	0°	335	162	92	53
		45°	320	155	89	51
		90°	350	350	350	350
	Wall Installation Use	0°	350	350	350	350
		45°	315	154	88	51
		90°	340	165	95	55
	Vertical Use	0°	350	198	119	74
		45°	210	105	63	40
		90°	350	197	118	74
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)	
			Life in traveled distance : 30000 km			

AR060-PL1

* All dimensions in mm
* ( ) is a brake type motor



AR060-PL2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR060-PL-10N	kg	4.0	4.5	5.0	5.5	6.0	6.5					0.50

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR060-PL-L	mm/s	250										
	AR060-PL-N	mm/s	500										

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of 'A' change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model | AR060-SN | AR060-S | AR060-PL | **AR060-PR** | AR060-PU

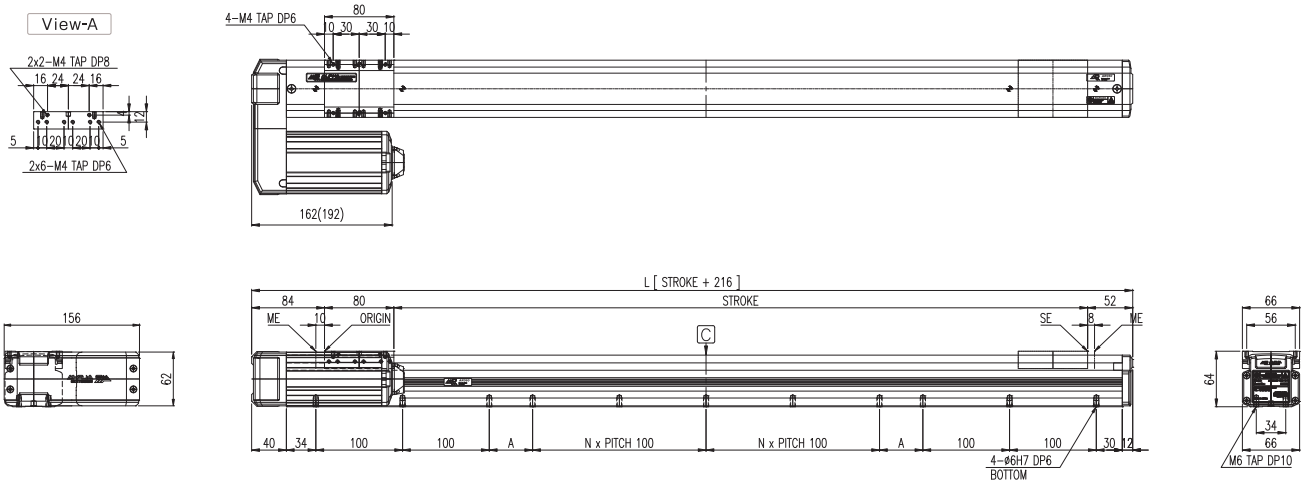
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR060-PR1/2-10N
AR060-PR1			AR060-PR2
Rated Output		W	100W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500(1000)
Max. Load	Note2	kg	H:22 (6) / H:15 (4)
Stroke Range		mm	100 ~ 600
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

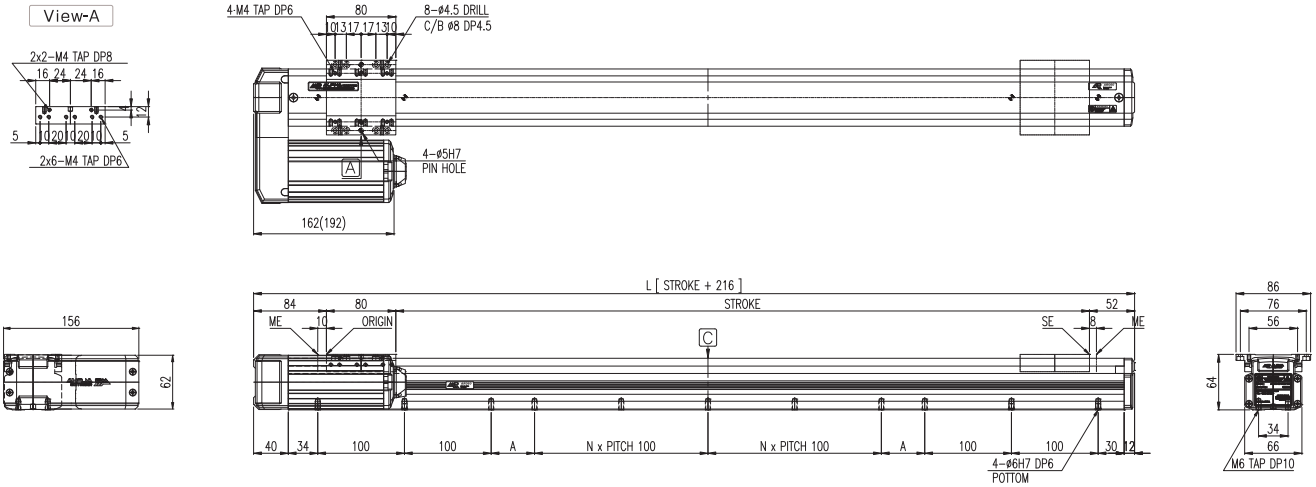
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	10	16
Allowable Overhang Distance - mm	Horizontal Use	0°	335	162	92	53
		45°	320	155	89	51
		90°	350	350	350	350
	Wall Installation Use	0°	350	350	350	350
		45°	315	154	88	51
		90°	340	165	95	55
	Vertical Use	0°	350	198	119	74
		45°	210	105	63	40
		90°	350	197	118	74
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s²)			
		Life in traveled distance : 30000 km				

AR060-PR1

* All dimensions in mm
* ( ) is a brake type motor



AR060-PR2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR060-PR-10N	kg	4.0	4.5	5.0	5.5	6.0	6.5					0.50
Speed	AR060-PR-L	mm/s	250										
	AR060-PR-N	mm/s	500										

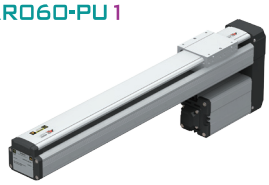
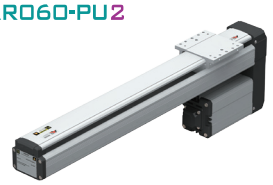
⚠ CAUTION

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Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model	AR060-SN	AR060-S	AR060-PL	AR060-PR	AR060-PU			

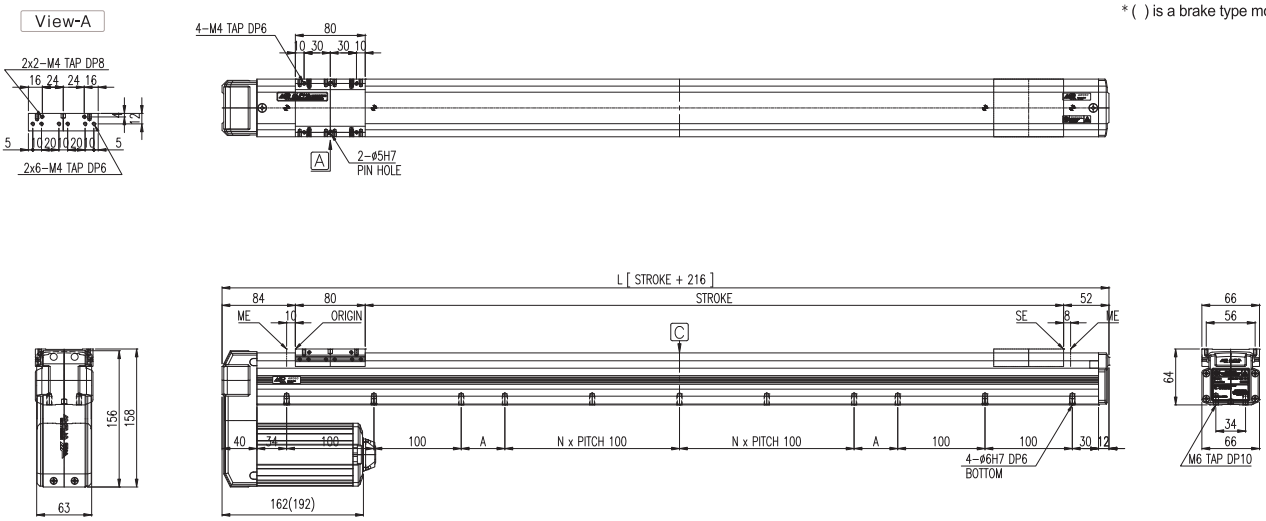
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR060-PU1/2-10N	
AR060-PU1				
AR060-PU2				
Rated Output		W	100W, 3000 min-1	
Max. Speed	Note1	mm/s	500(1000)	
Max. Load	Note2	kg	H:22 (6)	H:15 (4)
Stroke Range		mm	100 ~ 600	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

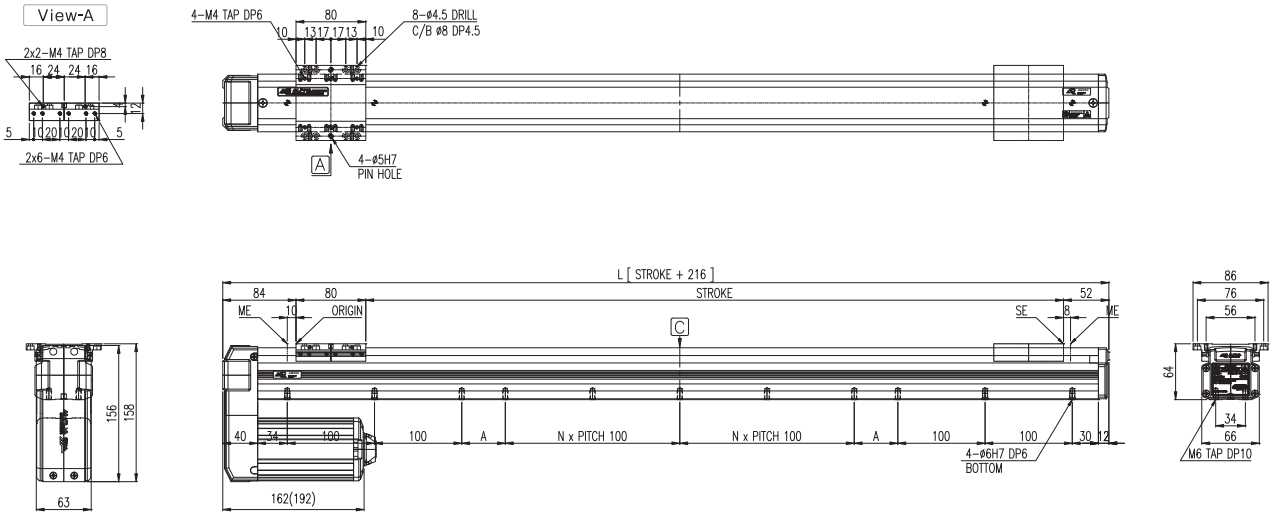
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	10	16
Allowable Overhang Distance - mm	Horizontal Use	0°	335	162	92	53
		45°	320	155	89	51
		90°	350	350	350	350
	Wall Installation Use	0°	350	350	350	350
		45°	315	154	88	51
		90°	340	165	95	55
	Vertical Use	0°	350	198	119	74
		45°	210	105	63	40
		90°	350	197	118	74
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s²)			
		Life in traveled distance : 30000 km				

AR060-PU1

* All dimensions in mm
* ( ) is a brake type motor



AR060-PU2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR060-PU-10N	kg	4.0	4.5	5.0	5.5	6.0	6.5					0.50
Speed	AR060-PU-L	mm/s	250										
	AR060-PR-N	mm/s	500										

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of 'A' change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model | **AR070-S1** | AR070-PL | AR070-PR | AR070-PU

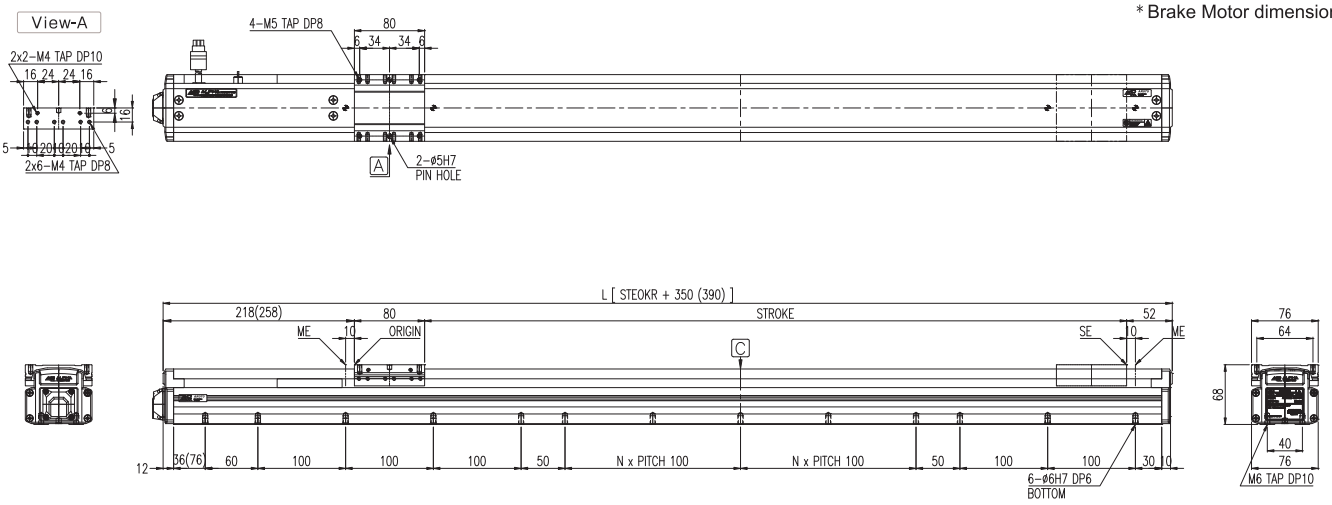
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR070-S1/2-10N
AR070-S1			AR070-S2
Rated Output		W	100W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)
Max. Load	Note2	kg	H:14 (3.5) / V:8 (3)
Stroke Range		mm	100 ~ 600
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

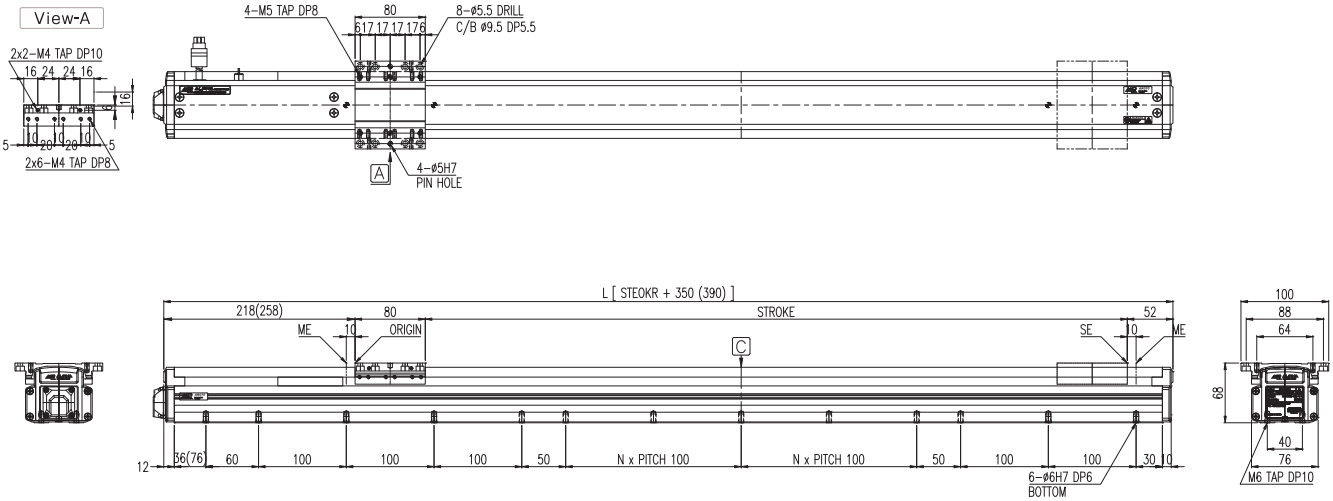
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	8	13
Allowable Overhang Distance - mm	Horizontal Use	0°	335	161	118	68
		45°	320	155	114	66
		90°	350	350	350	350
	Wall Installation Use	0°	350	350	350	350
		45°	315	152	112	65
		90°	340	164	120	70
	Vertical Use	0°	350	198	148	91
		45°	210	105	79	49
		90°	350	195	146	90
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s²)			
		Life in traveled distance : 30000 km				

AR070-S1

* All dimensions in mm
* Brake Motor dimension



AR070-S2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR070-S-10N	kg	5.2	5.8	6.4	7.0	7.5	8.1					0.59

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR070-S-N	mm/s	500										
	AR070-S-H	mm/s	1000										

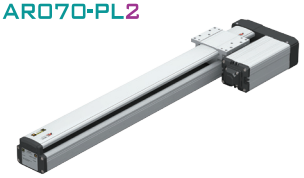
⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of 'A' change by 25, 50, 75, 100

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NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model	AR070-S1	AR070-PL	AR070-PR	AR070-PU				

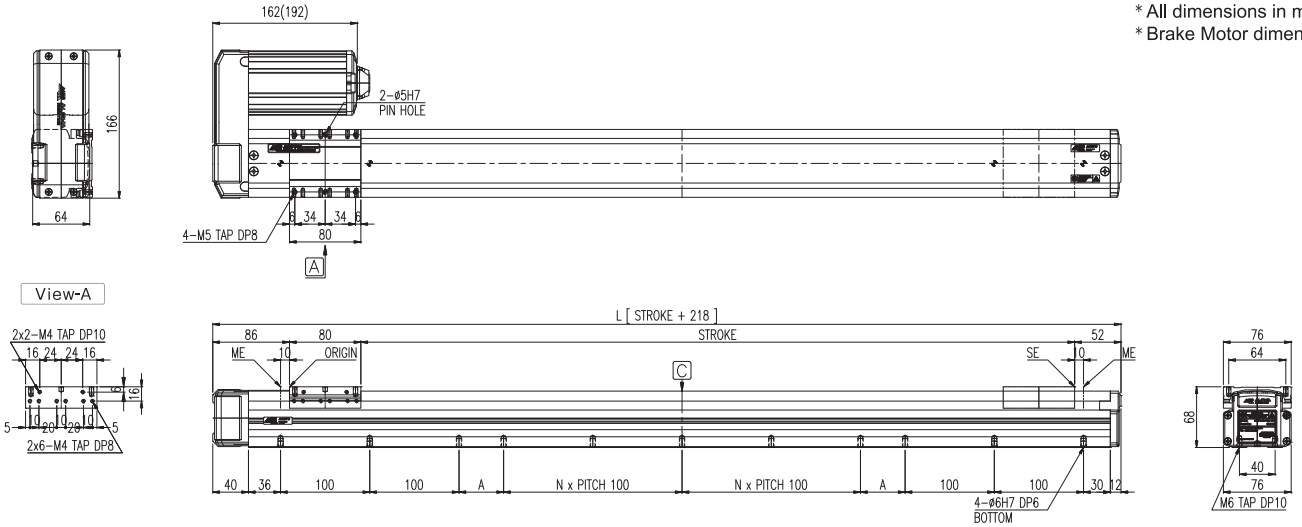
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR070-PL1/2-10N	
AR070-PL1 			AR070-PL2 	
Rated Output		W	100W, 3000 min^{-1}	
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:14 (3.5)	V:8 (2.5)
Stroke Range		mm	100 ~ 600	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

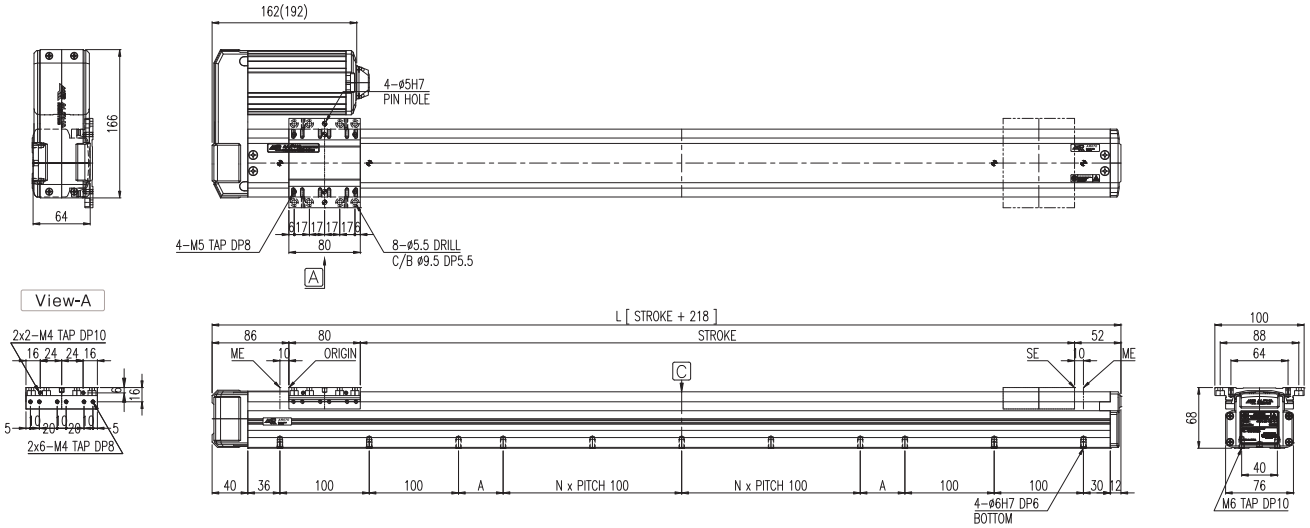
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	8	13
Allowable Overhang Distance - mm	Horizontal Use 	0°	335	161	118	68
		45°	320	155	114	66
		90°	350	350	350	350
	Wall Installation Use 	0°	350	350	350	350
		45°	315	152	112	65
		90°	340	164	120	70
	Vertical Use 	0°	350	198	148	91
		45°	210	105	79	49
		90°	350	195	146	90
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

AR070-PL1

* All dimensions in mm
* Brake Motor dimension



AR070-PL2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR070-PL-10N	kg	4.7	5.3	5.9	6.5	7.0	7.6					0.59

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR070-PL-N	mm/s	500										
	AR070-PL-H	mm/s	1000										

⚠ CAUTION

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NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model | AR070-S1 | AR070-PL | **AR070-PR** | AR070-PU

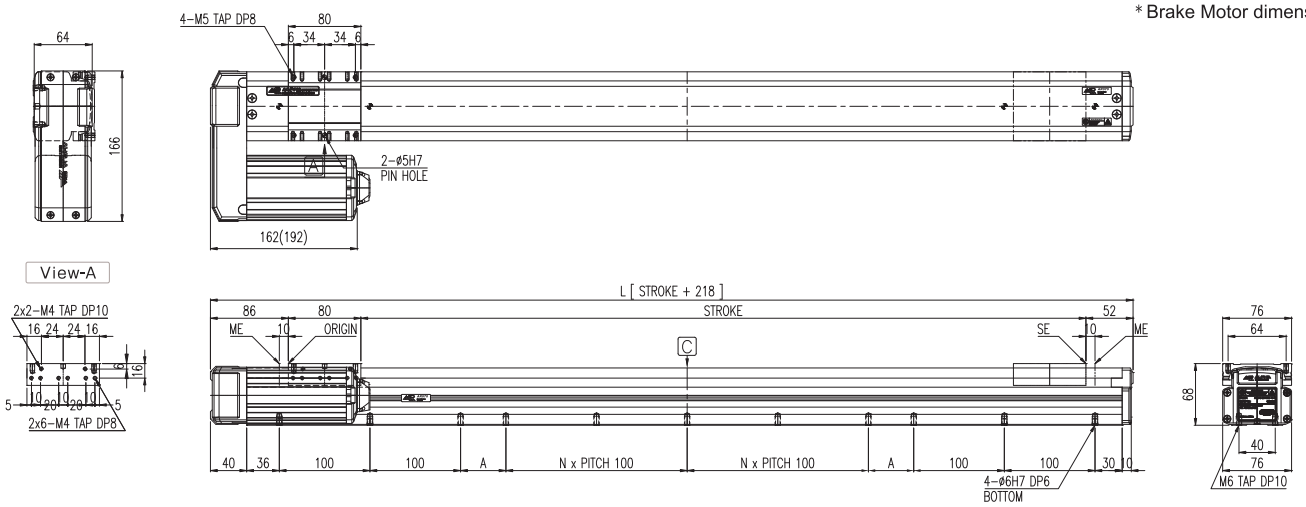
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR070PR1/2-10N
AR070-PR1			AR070-PR2
			
Rated Output		W	100W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)
Max. Load	Note2	kg	H:14 (3.5) / V:8 (2.5)
Stroke Range		mm	100 ~ 600
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

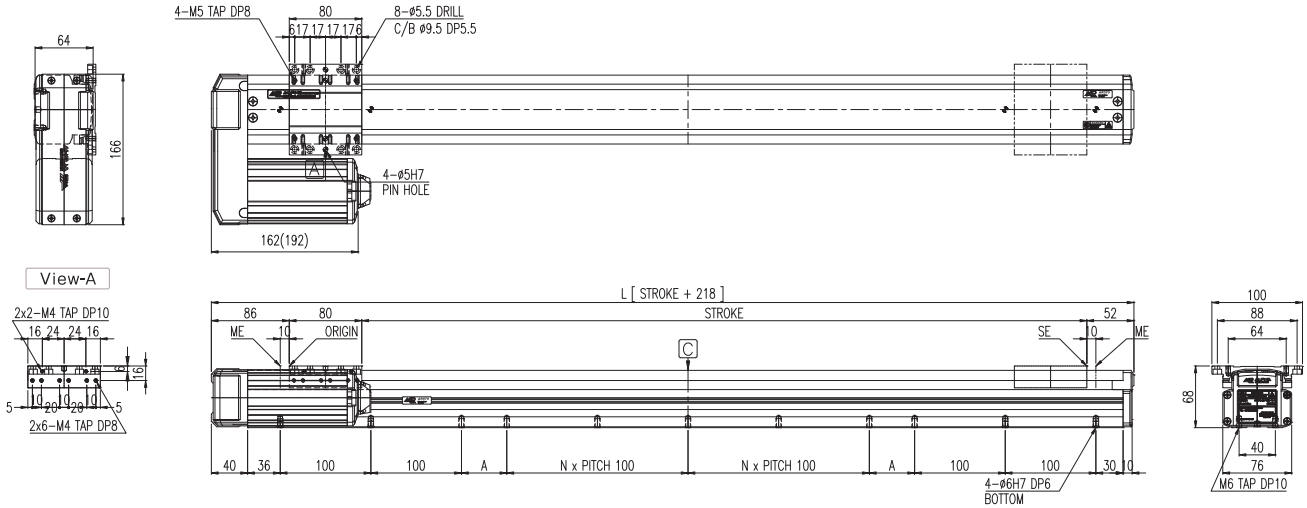
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	8	13
Allowable Overhang Distance - mm	Horizontal Use	0°	335	161	118	68
		45°	320	155	114	66
		90°	350	350	350	350
	Wall Installation Use	0°	350	350	350	350
		45°	315	152	112	65
		90°	340	164	120	70
	Vertical Use	0°	350	198	148	91
		45°	210	105	79	49
		90°	350	195	146	90
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

AR070-PR1

* All dimensions in mm
* Brake Motor dimension



AR070-PR1



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR070-PR-10N	kg	4.7	5.3	5.9	6.5	7.0	7.6					0.59

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR070-PR-N	mm/s	500										
	AR070-PR-H	mm/s	1000										

⚠ CAUTION

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NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model	AR070-S1	AR070-PL	AR070-PR	AR070-PU			

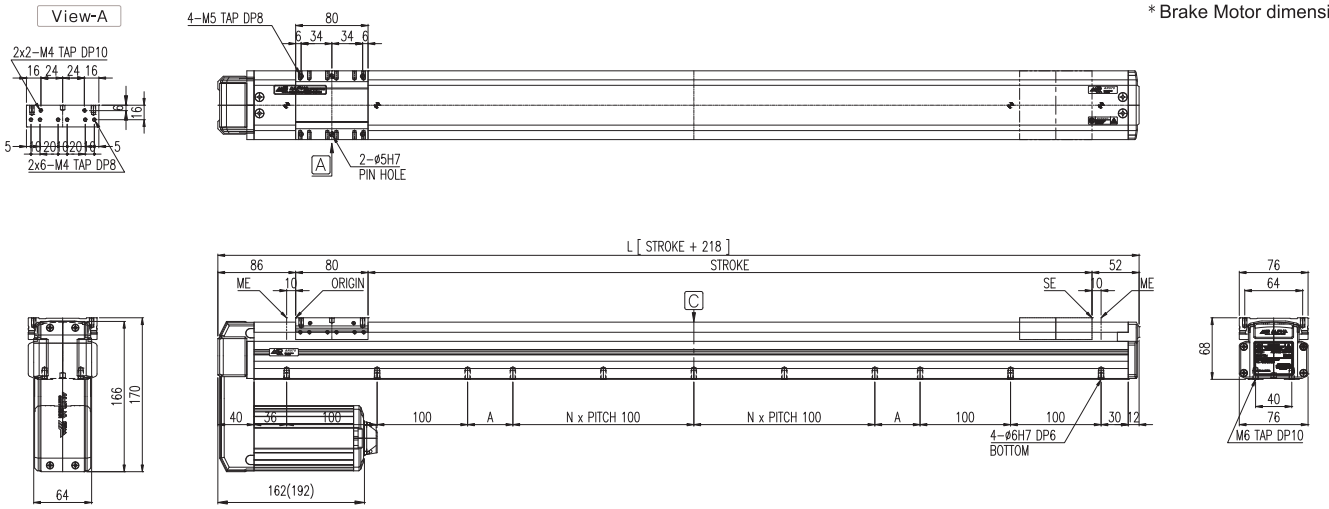
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR070-PU1/2-10N	
AR070-PU1 			AR070-PU2 	
Rated Output		W	100W, 3000 min^{-1}	
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:14 (3.5)	V:8 (2.5)
Stroke Range		mm	100 ~ 600	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

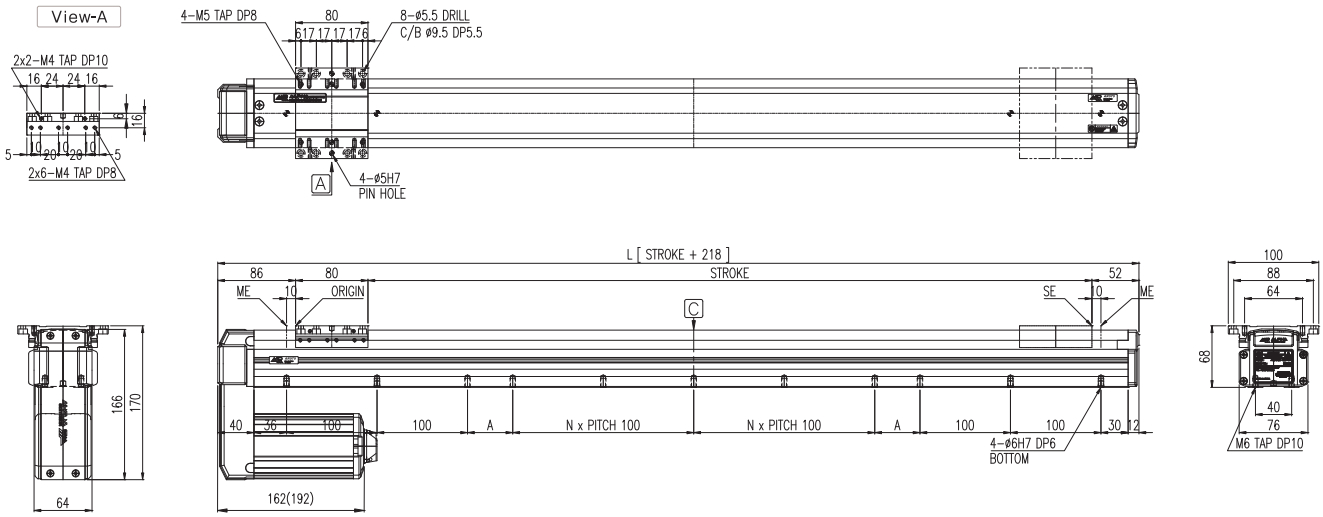
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	8	13
Allowable Overhang Distance - mm	Horizontal Use 	0°	335	161	118	68
		45°	320	155	114	66
		90°	350	350	350	350
	Wall Installation Use 	0°	350	350	350	350
		45°	315	152	112	65
		90°	340	164	120	70
	Vertical Use 	0°	350	198	148	91
		45°	210	105	79	49
		90°	350	195	146	90
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

AR070-PU1

* All dimensions in mm
* Brake Motor dimension



AR070-PU2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR070-PU-10N	kg	4.7	5.3	5.9	6.5	7.0	7.6					0.59

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR070-PU-N	mm/s	500										
	AR070-PU-H	mm/s	1000										

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model	AR090-S	AR090-PL	AR090-PR	AR090-PU				

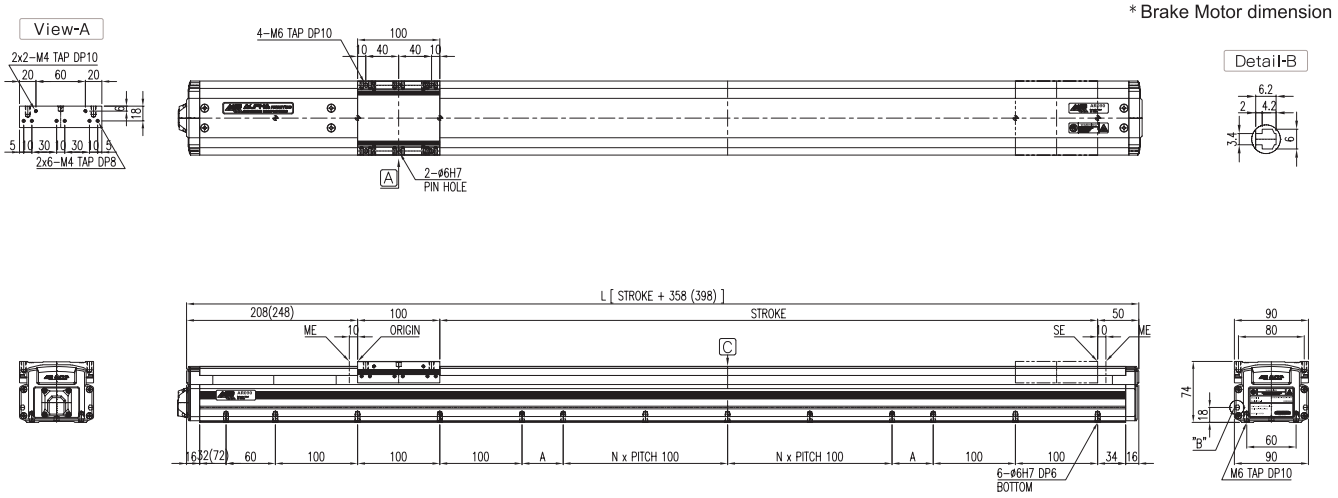
Specification	Unit	AR090-S1/2-10N
AR090-S1 		AR090-S2 
Rated Output	W	100W, 3000 min^{-1}
Max. Speed Note1	mm/s	500 (1000)
Max. Load Note2	kg	H:8 (2) V:6 (2)
Stroke Range	mm	100 ~ 1000
Repeatability	mm	± 0.02
Drive Type	-	BALL SCREW

Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

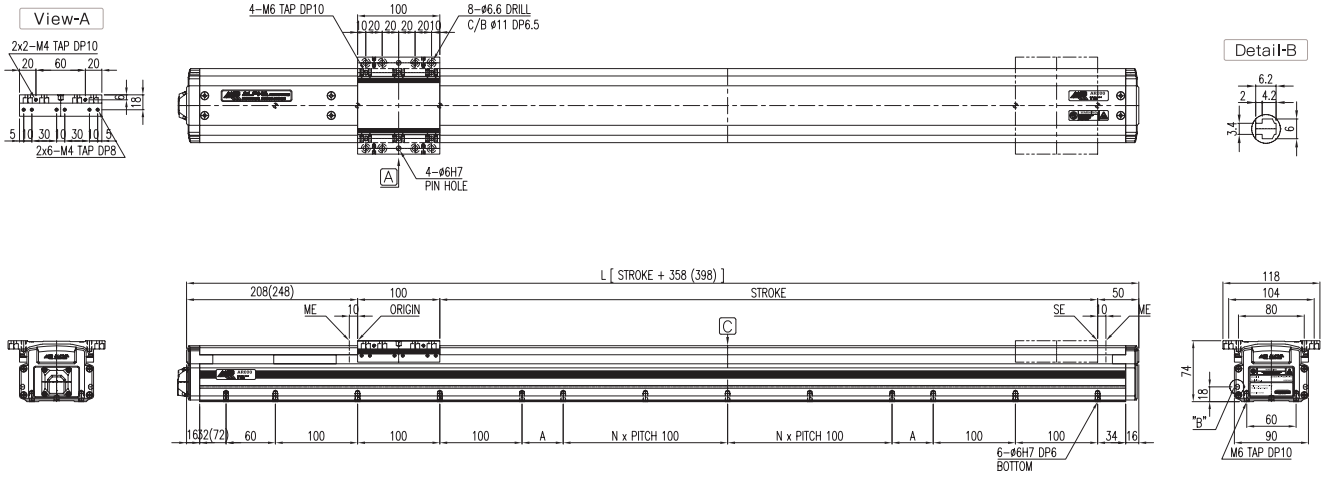
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Allowable Overhang Distance - mm	Horizontal Use 	0°	450	260	121	74
		45°	450	242	114	70
		90°	450	450	450	450
	Wall Installation Use 	0°	450	450	450	445
		45°	450	240	112	70
		90°	450	268	125	77
	Vertical Use 	0°	450	245	123	82
		45°	260	130	65	44
		90°	450	243	122	81
Note3	Estimated Condition	Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
		Life in traveled distance : 30000 km				

AR090-S1

* All dimensions in mm
* Brake Motor dimension



AR090-S2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR090-S-10N	kg	7.1	7.9	8.7	9.5	10.4	11.2	12.0	12.9	13.7	14.5	0.83

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR090-S-N	mm/s	500						494	388	313	258	
	AR090-S-H	mm/s	1000						984	775	627	517	

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model | **AR090-S** | AR090-PL | AR090-PR | AR090-PU

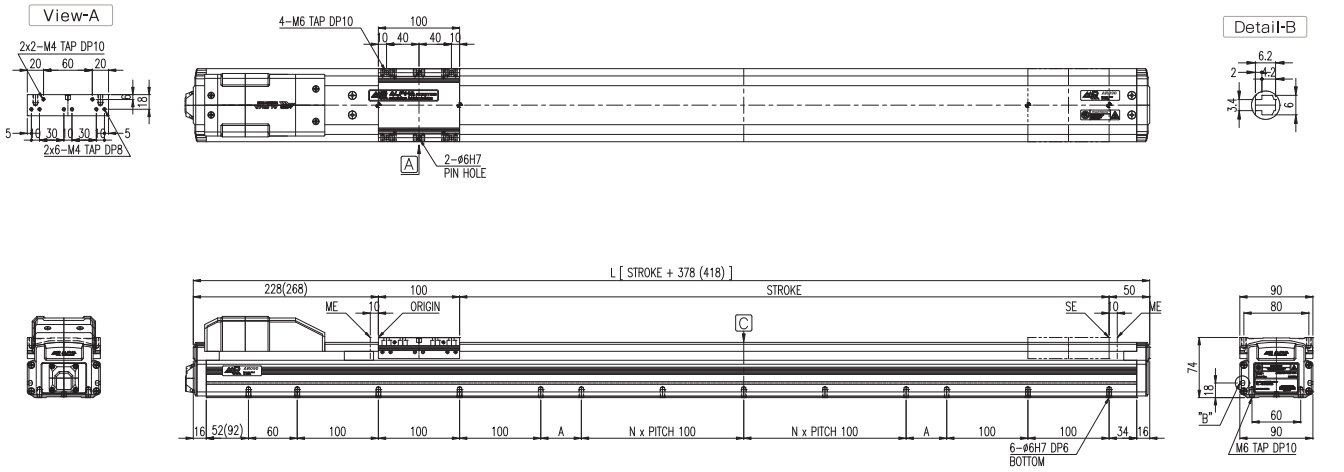
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR090-S1/2-20N
AR090-S1			AR090-S2
Rated Output		W	200W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)
Max. Load	Note2	kg	H:35 (28) / V:20 (14)
Stroke Range		mm	100 ~ 1000
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

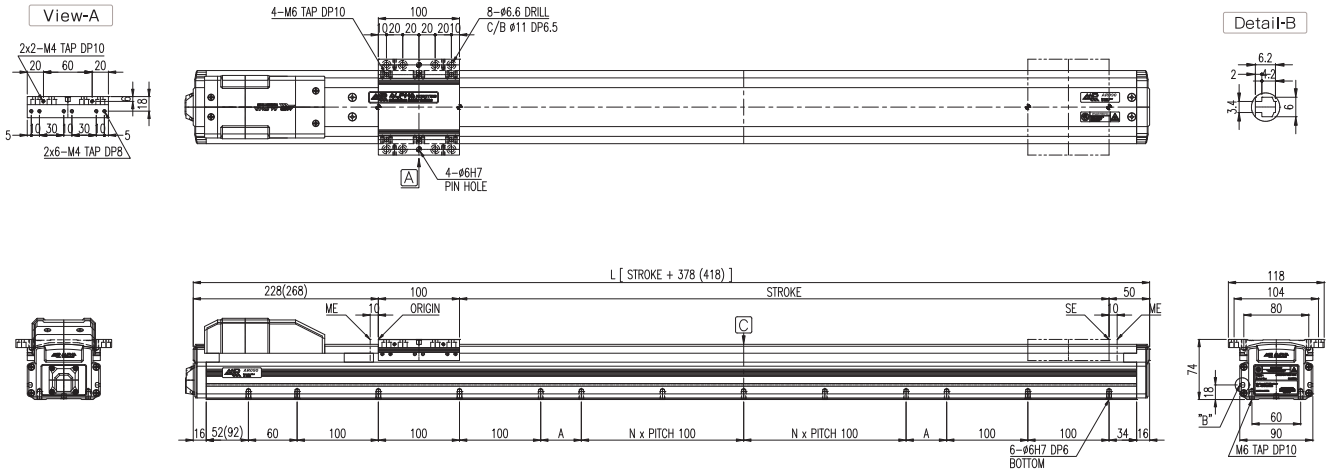
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Allowable Overhang Distance - mm	Horizontal Use	0°	450	260	121	74
		45°	450	242	114	70
		90°	450	450	450	450
	Wall Installation Use	0°	450	450	450	445
		45°	450	240	112	70
		90°	450	268	125	77
	Vertical Use	0°	450	245	123	82
		45°	260	130	65	44
		90°	450	243	122	81
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

AR090-S1

* All dimensions in mm
* Brake Motor dimension



AR090-S2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR090-S-20N	kg	7.7	8.6	9.4	10.2	11.0	11.9	12.7	13.5	14.4	15.2	0.83
Speed	AR090-S-N	mm/s	500						494	388	313	258	
	AR090-S-H	mm/s	1000						984	775	627	517	

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model | AR090-S | **AR090-PL** | AR090-PR | AR090-PU

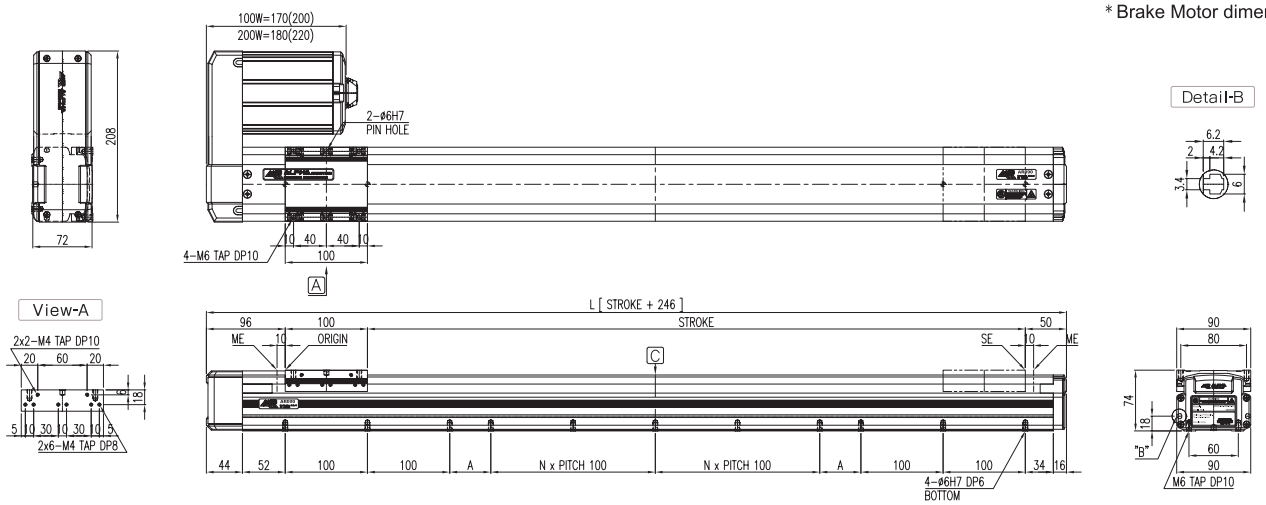
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR090-PL1/2-10N/20N	
AR090-PL1			AR090-PL2	
Rated Output		W	100W, 3000 min^{-1}	200W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:8 (2) V:6 (2)	H:35 (28) V:20 (14)
Stroke Range		mm	100 ~ 1000	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

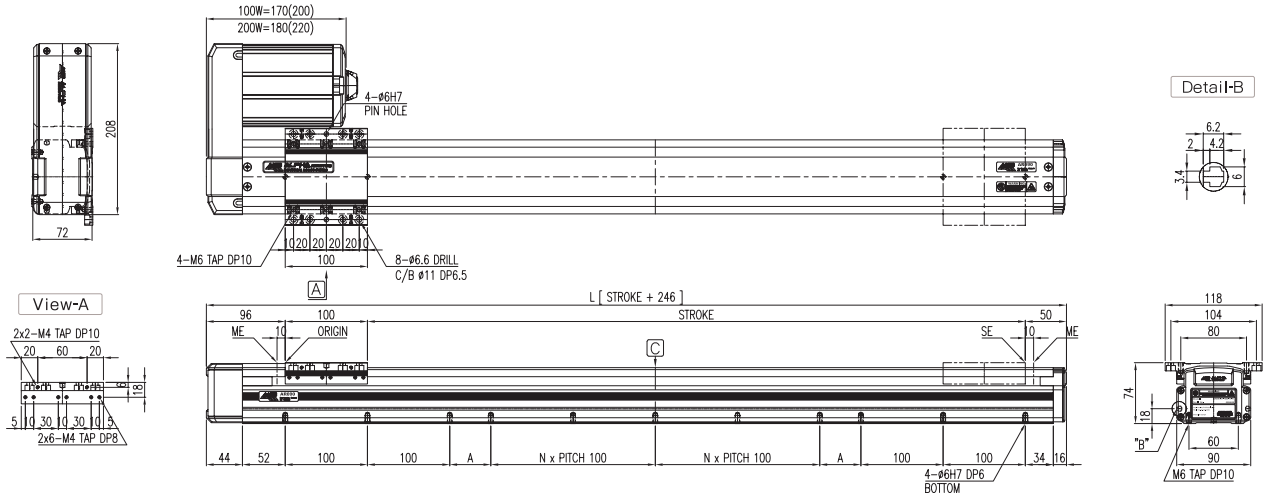
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Allowable Overhang Distance - mm	Horizontal Use	0°	450	260	121	74
		45°	450	242	114	70
		90°	450	450	450	450
	Wall Installation Use	0°	450	450	450	445
		45°	450	240	112	70
		90°	450	268	125	77
	Vertical Use	0°	450	245	123	82
		45°	260	130	65	44
		90°	450	243	122	81
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

AR090-PL1

* All dimensions in mm
* Brake Motor dimension



AR090-PL2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR090-PL-10N	kg	6.3	7.1	8.0	8.8	9.6	10.4	11.3	12.1	12.9	13.8	0.83
	AR090-PL-20N	kg	6.8	7.6	8.4	9.2	10.1	10.9	11.7	12.6	13.4	14.2	0.83
Speed	AR090-PL-N	mm/s	500						494	388	313	258	
	AR090-PL-H	mm/s	1000						984	775	627	517	

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of 'A' change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model | AR090-S | AR090-PL | **AR090-PR** | AR090-PU

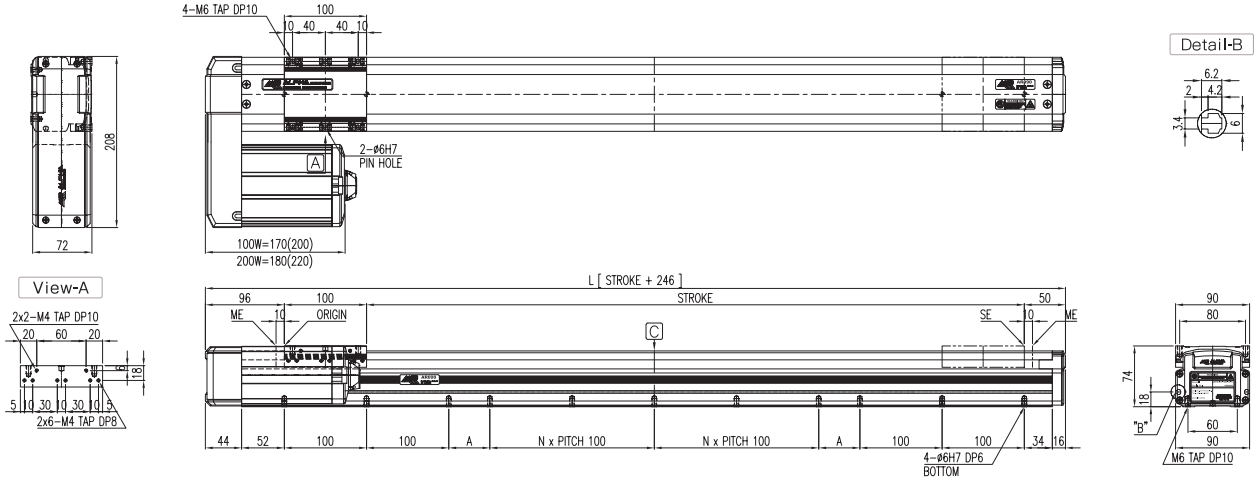
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR090-PR1/2-10N/20N	
AR090-PR1			AR090-PR2	
Rated Output		W	100W, 3000 min^{-1}	200W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:8 (2) V:6 (2)	H:35 (28) V:20 (14)
Stroke Range		mm	100 ~ 1000	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

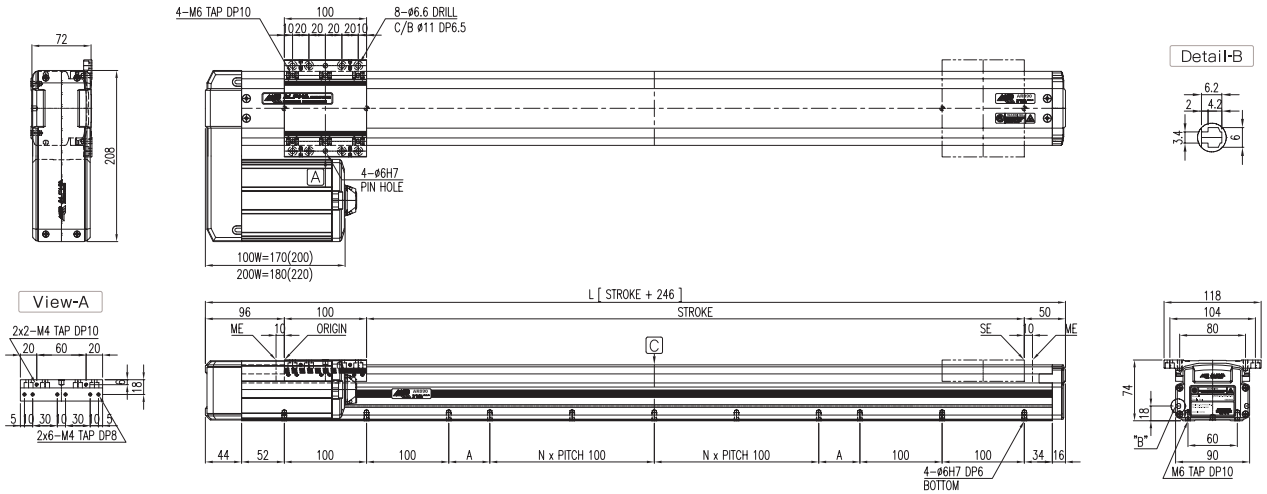
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Allowable Overhang Distance - mm	Horizontal Use	0°	450	260	121	74
		45°	450	242	114	70
		90°	450	450	450	450
	Wall Installation Use	0°	450	450	450	445
		45°	450	240	112	70
		90°	450	268	125	77
	Vertical Use	0°	450	245	123	82
		45°	260	130	65	44
		90°	450	243	122	81
Note3	Estimated Condition	Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
		Life in traveled distance : 30000 km				

AR090-PR1

* All dimensions in mm
* Brake Motor dimension



AR090-PR2



Weight

Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
AR090-PR-10N	kg	6.3	7.1	8.0	8.8	9.6	10.4	11.3	12.1	12.9	13.8	0.83
AR090-PR-20N	kg	6.8	7.6	8.4	9.2	10.1	10.9	11.7	12.6	13.4	14.2	0.83

Speed

Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
AR090-PR-N	mm/s	500						492	388	313	258	
AR090-PR-H	mm/s	1000						984	775	627	517	

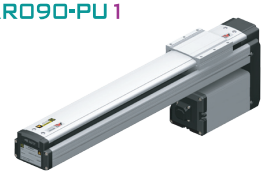
⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of 'A' change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model | AR090-S | AR090-PL | AR090-PR | **AR090-PU**

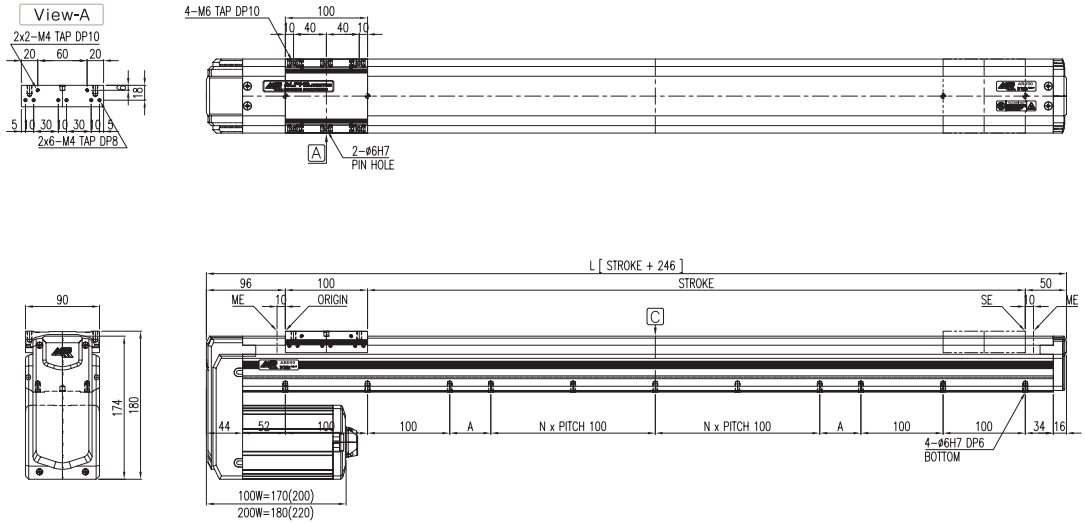
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR090-PU1/2-10N/20N	
AR090-PU1 			AR090-PU2 	
Rated Output		W	100W, 3000 min^{-1}	200W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:8 (2) V:6 (2)	H:35 (28) V:20 (14)
Stroke Range		mm	100 ~ 1000	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

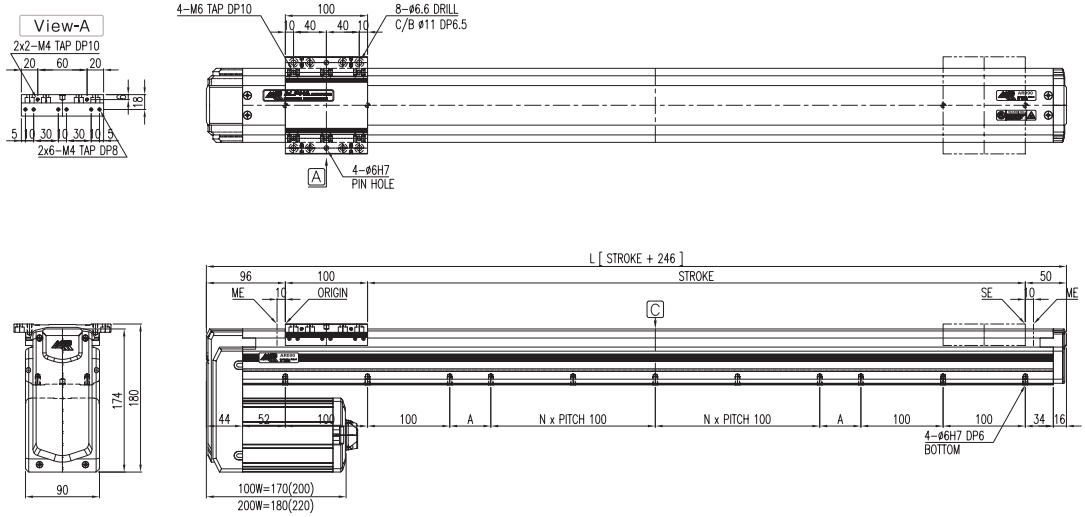
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	5	10	20	30
Allowable Overhang Distance - mm	Horizontal Use	0°		450	260	121	74
		45°		450	242	114	70
		90°		450	450	450	450
	Wall Installation Use	0°		450	450	450	445
		45°		450	240	112	70
		90°		450	268	125	77
	Vertical Use	0°		450	245	123	82
		45°		260	130	65	44
		90°		450	243	122	81
Note3	Estimated Condition			Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
				Life in traveled distance : 30000 km			

AR090-PU1

* All dimensions in mm
* Brake Motor dimension



AR090-PU2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR090-PU-10N	kg	6.3	7.1	8.0	8.8	9.6	10.4	11.3	12.1	12.9	13.8	0.83
	AR090-PU-20N	kg	6.8	7.6	8.4	9.2	10.1	10.9	11.7	12.6	13.4	14.2	0.83
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR090-PU-N	mm/s	500						492	388	313	258	
	AR090-PU-H	mm/s	1000						984	775	627	517	

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
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NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model	AR100-S	AR100-PL	AR100-PR	AR100-PU				

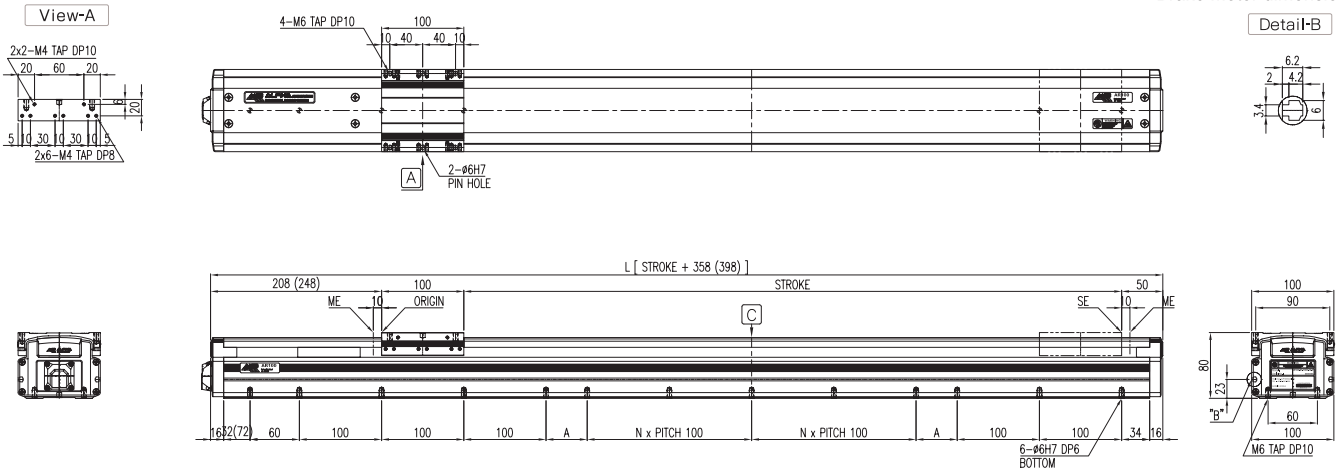
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR100-S1/2-10N	
AR100-S1 			AR100-S2 	
Rated Output		W	100W, 3000 min^{-1}	
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:8 (2)	V:6 (2)
Stroke Range		mm	100 ~ 1000	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

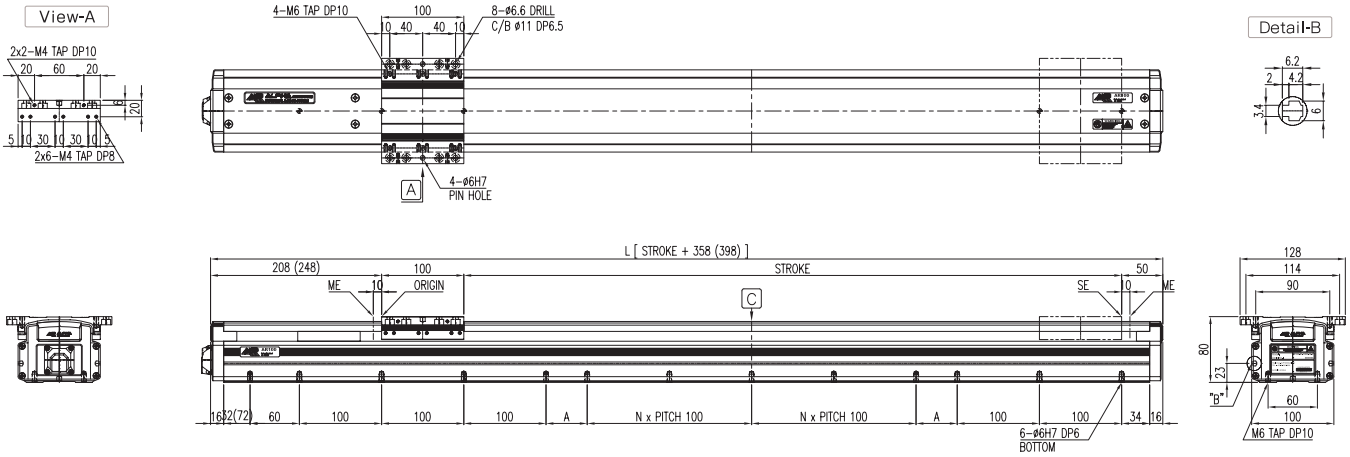
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Allowable Overhang Distance - mm	Horizontal Use 	0°	450	260	120	74
		45°	450	245	113	70
		90°	450	450	450	450
	Wall Installation Use 	0°	450	450	450	445
		45°	450	240	112	69
		90°	450	265	124	77
	Vertical Use 	0°	450	245	123	82
		45°	260	130	65	43
		90°	450	243	121	81
Note3	Estimated Condition	Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
		Life in traveled distance : 30000 km				

AR100-S1

* All dimensions in mm
* Brake Motor dimension



AR100-S2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR100-S-10N	kg	7.6	8.5	9.4	10.4	11.3	12.2	13.1	14.0	15.0	15.9	0.92

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR100-S-N	mm/s	500						492	388	313	258	
	AR100-S-H	mm/s	1000						984	775	627	517	

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model	AR100-S	AR100-PL	AR100-PR	AR100-PU				

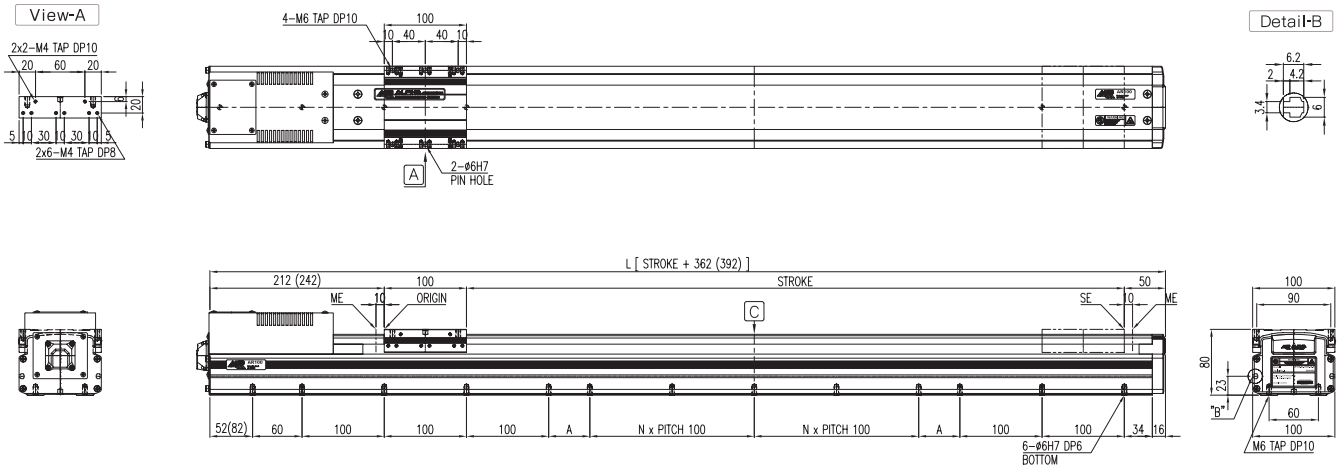
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR100-S1/2-20N
AR100-S1 			AR100-S2 
Rated Output		W	200W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)
Max. Load	Note2	kg	H:35 (28) / V:20 (14)
Stroke Range		mm	100 ~ 1000
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

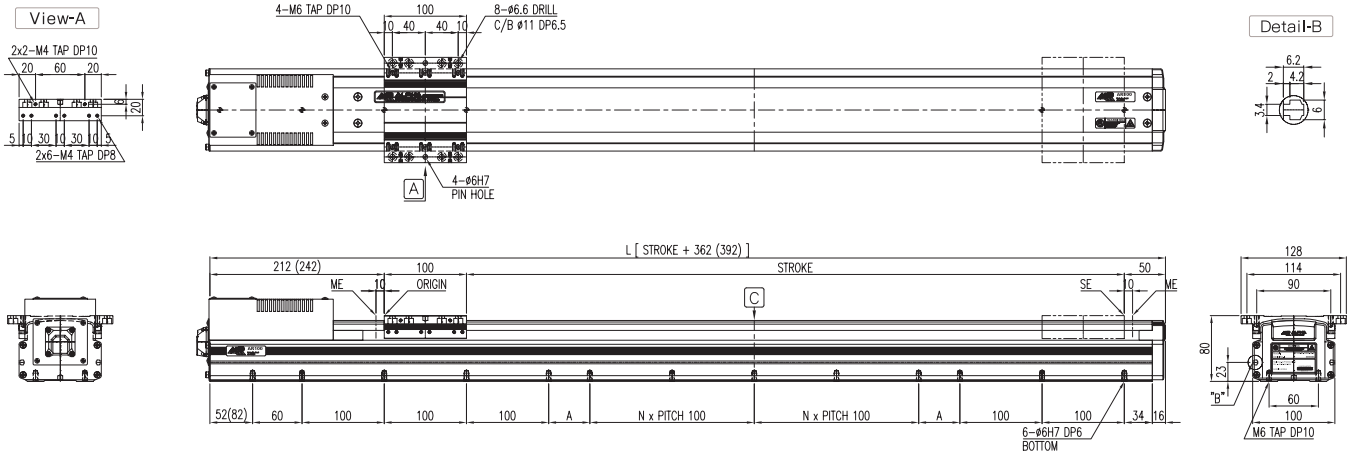
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Allowable Overhang Distance - mm	Horizontal Use 	0°	450	260	120	74
		45°	450	245	113	70
		90°	450	450	450	450
	Wall Installation Use 	0°	450	450	450	445
		45°	450	240	112	69
		90°	450	265	124	77
	Vertical Use 	0°	450	245	123	82
		45°	260	130	65	43
		90°	450	243	121	81
Note3	Estimated Condition	Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
		Life in traveled distance : 30000 km				

AR100-S1

* All dimensions in mm
* Brake Motor dimension



AR100-S2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR100-S-20N	kg	8.3	9.2	10.1	11.0	12.0	12.9	13.8	14.7	15.6	16.6	0.92

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR100-S-N	mm/s	500						492	388	313	258	
	AR100-S-H	mm/s	1000						984	775	627	517	

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model	AR100-S	AR100-PL	AR100-PR	AR100-PU				

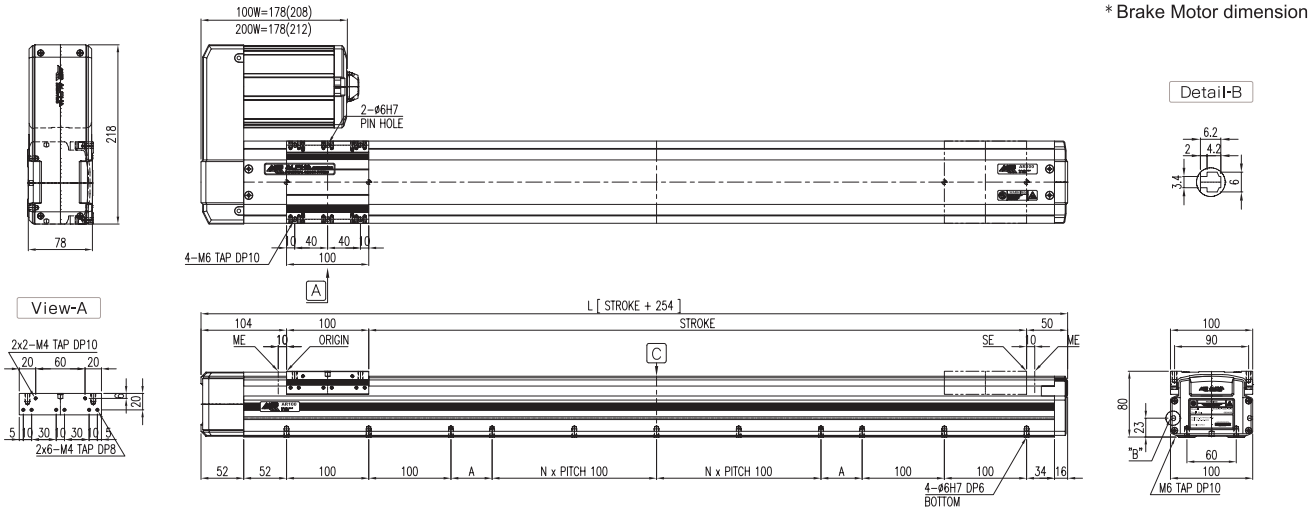
Specification	Unit	AR100-PL1/2-10N/20N	
AR100-PL1		AR100-PL2	
Rated Output	W	100W, 3000 min^{-1}	200W, 3000 min^{-1}
Max. Speed Note1	mm/s	500 (1000)	
Max. Load Note2	kg	H:8 (2) V:6 (2)	H:35 (28) V:20 (14)
Stroke Range	mm	100 ~ 1000	
Repeatability	mm	± 0.02	
Drive Type	-	BALL SCREW	

Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

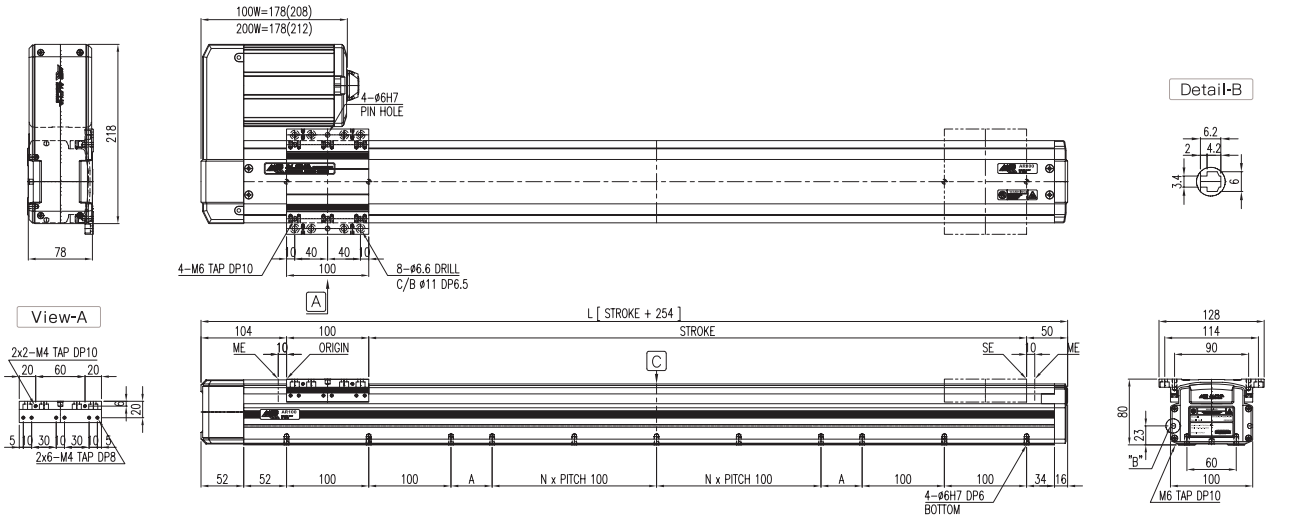
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Allowable Overhang Distance - mm	Horizontal Use	0°	450	260	120	74
		45°	450	245	113	70
		90°	450	450	450	450
	Wall Installation Use	0°	450	450	450	445
		45°	450	240	112	69
		90°	450	265	124	77
	Vertical Use	0°	450	245	123	82
		45°	260	130	65	43
		90°	450	243	121	81
Note3	Estimated Condition	Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
		Life in traveled distance : 30000 km				

AR100-PL1

* All dimensions in mm
* Brake Motor dimension



AR100-PL2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR100-PL-10N	kg	6.7	7.6	8.5	9.4	10.4	11.3	12.2	13.1	14.0	15.0	0.92
	AR100-PL-20N	kg	7.1	8.1	9.0	9.9	10.8	11.7	12.7	13.6	14.5	15.4	0.92
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR100-PL-N	mm/s	500						492	388	313	258	
	AR100-PL-H	mm/s	1000						984	775	627	517	

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model | AR100-S | AR100-PL | **AR100-PR** | AR100-PU

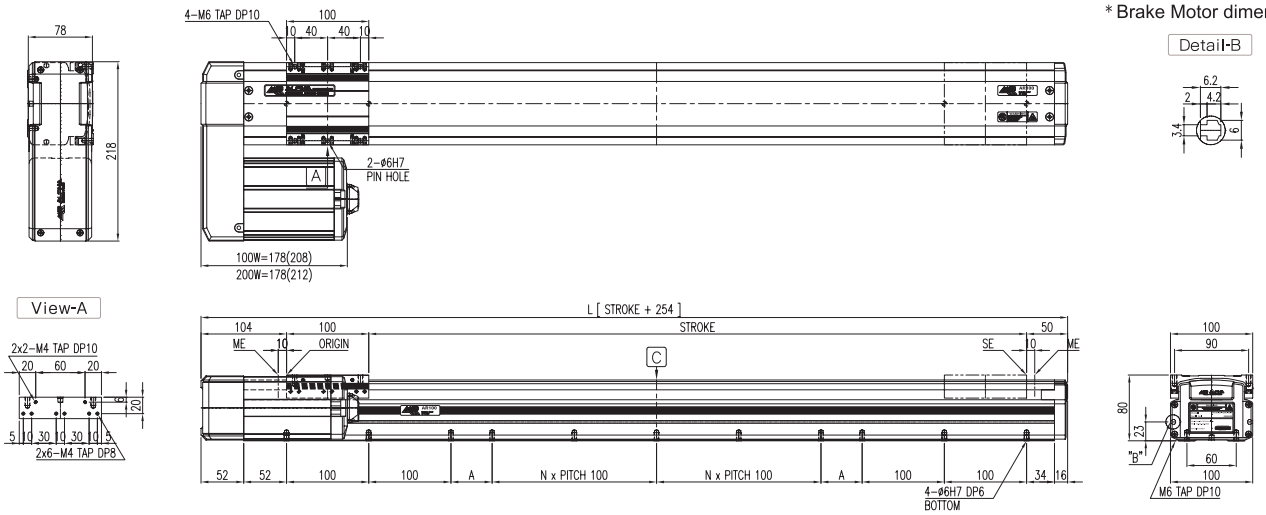
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	AR100-PR1/2-10N/20N
AR100-PR1		AR100-PR2
Rated Output	W	100W, 3000 min^{-1} / 200W, 3000 min^{-1}
Max. Speed Note1	mm/s	500 (1000)
Max. Load Note2	kg	H:8 (2) V:6 (2) / H:35 (28) V:20 (14)
Stroke Range	mm	100 ~ 1000
Repeatability	mm	± 0.02
Drive Type	-	BALL SCREW

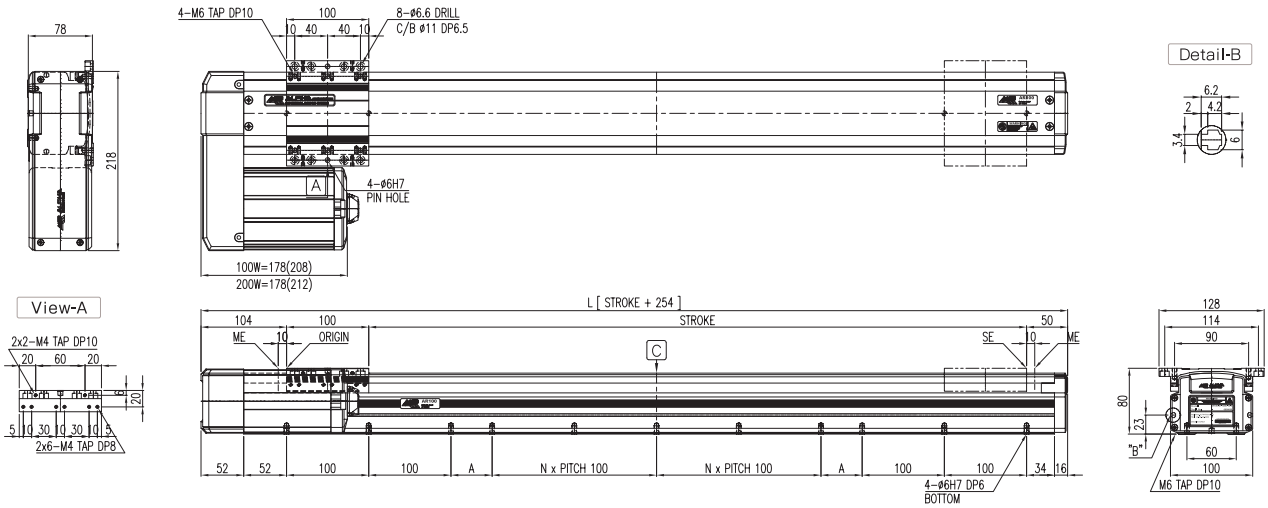
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Allowable Overhang Distance - mm	Horizontal Use	0°	450	260	120	74
		45°	450	245	113	70
		90°	450	450	450	450
	Wall Installation Use	0°	450	450	450	445
		45°	450	240	112	69
		90°	450	265	124	77
	Vertical Use	0°	450	245	123	82
		45°	260	130	65	43
		90°	450	243	121	81
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

AR100-PR1

* All dimensions in mm
* Brake Motor dimension



AR100-PR2



Weight

Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
AR100-PR-10N	kg	6.7	7.6	8.5	9.4	10.4	11.3	12.2	13.1	14.0	15.0	0.92
AR100-PR-20N	kg	7.1	8.1	9.0	9.9	10.8	11.7	12.7	13.6	14.5	15.4	0.92

Speed

Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
AR100-PR-N	mm/s	500						492	388	313	258	
AR100-PR-H	mm/s	1000						984	775	627	517	

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of 'A' change by 25, 50, 75, 100

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NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model | AR100-S | AR100-PL | AR100-PR | **AR100-PU**

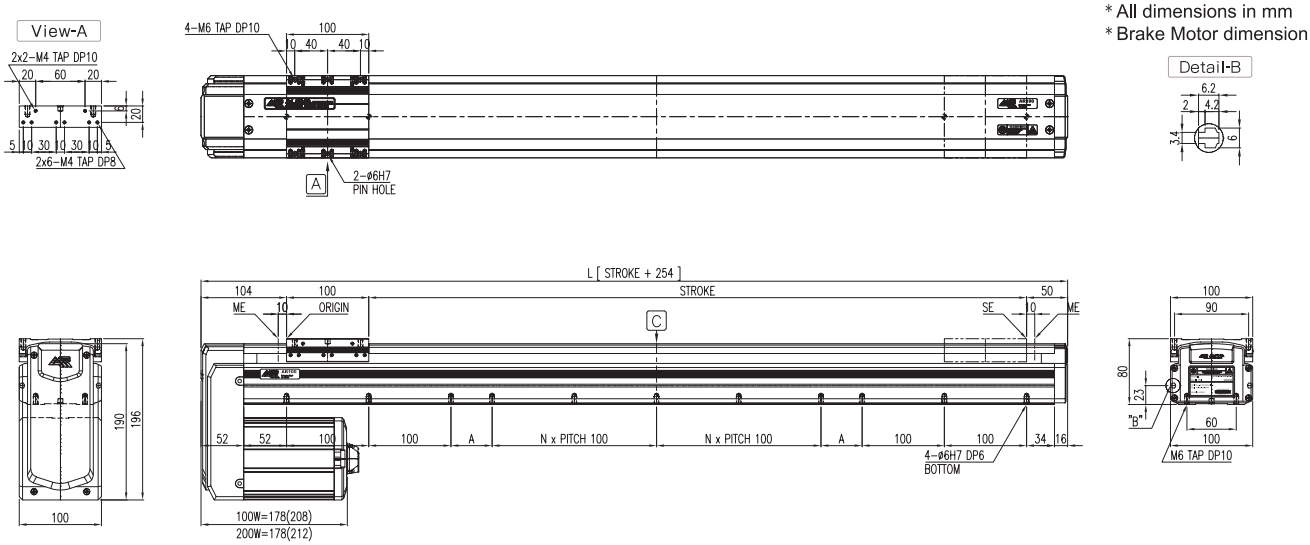
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR100-PU1/2-10N/20N	
AR100-PU1				
AR100-PU2				
Rated Output		W	100W, 3000 min^{-1}	200W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:8 (2) V:6 (2)	H:35 (28) V:20 (14)
Stroke Range		mm	100 ~ 1000	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

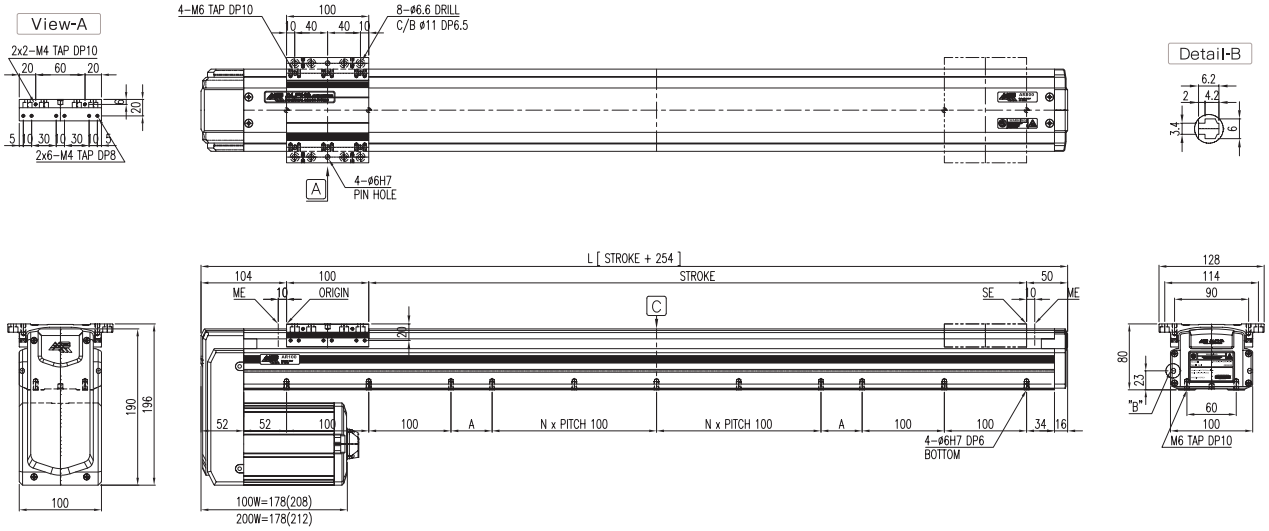
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Allowable Overhang Distance - mm	Horizontal Use	0°	450	260	120	74
		45°	450	245	113	70
		90°	450	450	450	450
	Wall Installation Use	0°	450	450	450	455
		45°	450	240	112	69
		90°	450	265	124	77
	Vertical Use	0°	450	245	123	82
		45°	260	130	65	43
		90°	450	243	121	81
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s²)			
		Life in traveled distance : 30000 km				

AR100-PU1

* All dimensions in mm
* Brake Motor dimension



AR100-PU2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR100-PU-10N	kg	6.7	7.6	8.5	9.4	10.4	11.3	12.2	13.1	14.0	15.0	0.92
	AR100-PU-20N	kg	7.1	8.1	9.0	9.9	10.8	11.7	12.7	13.6	14.5	15.4	0.92
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR100-PU-N	mm/s	500						492	388	313	258	
	AR100-PU-H	mm/s	1000						984	775	627	517	

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

Model	AR120-S	AR120-PL	AR120-PR	AR120-PU				

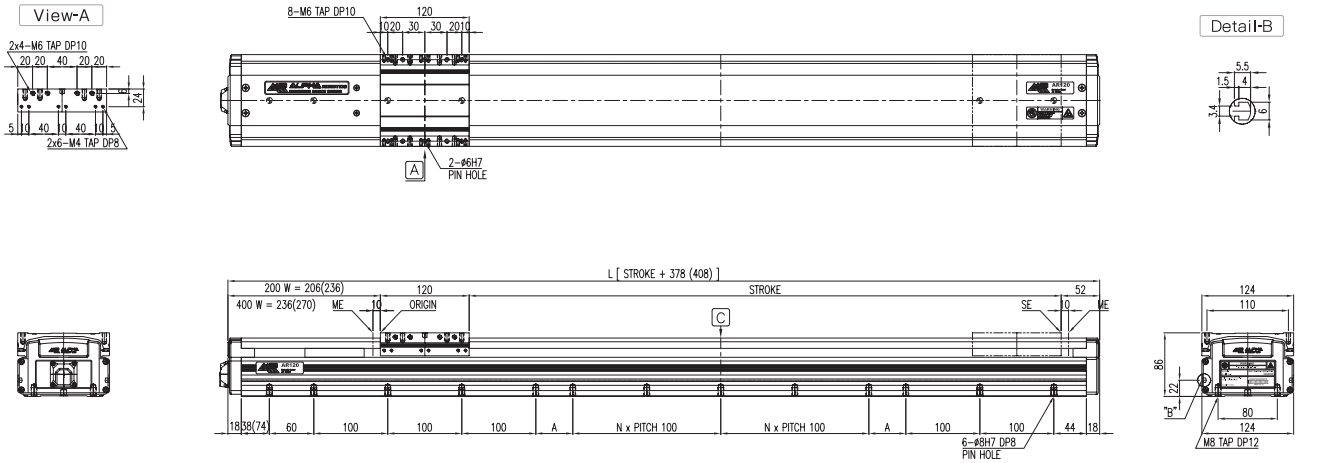
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	AR120-S1/2-20N/40N	
AR120-S1 		AR120-S2 	
Rated Output	W	200W, 3000 min^{-1}	400W, 3000 min^{-1}
Max. Speed Note1	mm/s	500 (1000)	
Max. Load Note2	kg	H:50 (28) V:22 (10)	H:50 (45) V:38 (20)
Stroke Range	mm	100 ~ 1200	
Repeatability	mm	± 0.02	
Drive Type	-	BALL SCREW	

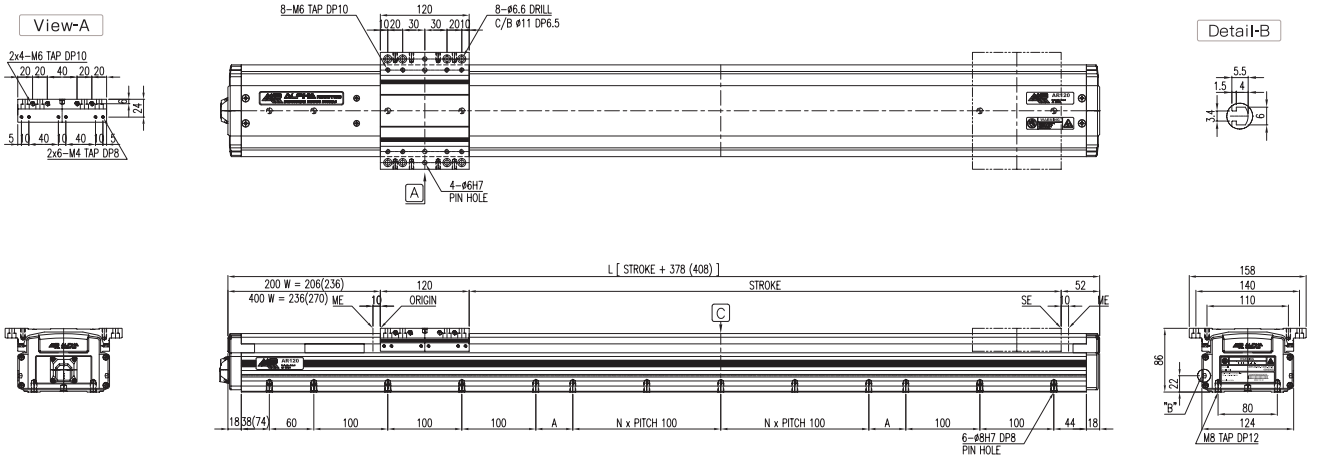
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	30	40	50
Allowable Overhang Distance - mm	Horizontal Use 	0°	700	475	350	273
		45°	700	558	408	320
		90°	700	700	700	700
	Wall Installation Use 	0°	700	460	336	263
		45°	481	316	231	179
		90°	700	510	376	295
	Vertical Use 	0°	700	490	370	295
		45°	700	319	241	191
		90°	700	490	370	295
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

AR120-S1

* All dimensions in mm
* Brake Motor dimension



AR120-S2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR120-S-20N	kg	11.2	12.4	13.5	14.7	15.9	17.0	18.2	19.4	20.6	21.7	1.17
	AR120-S-40N	kg	12.0	13.2	14.3	15.5	16.7	17.9	19.0	20.2	21.4	22.5	1.17
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR120-S-N	mm/s	500						474	375	304	251	Note4
	AR120-S-H	mm/s	1000						948	750	608	503	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of 'A' change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification(20.7age).

Model | AR120-S | **AR120-PL** | AR120-PR | AR120-PU

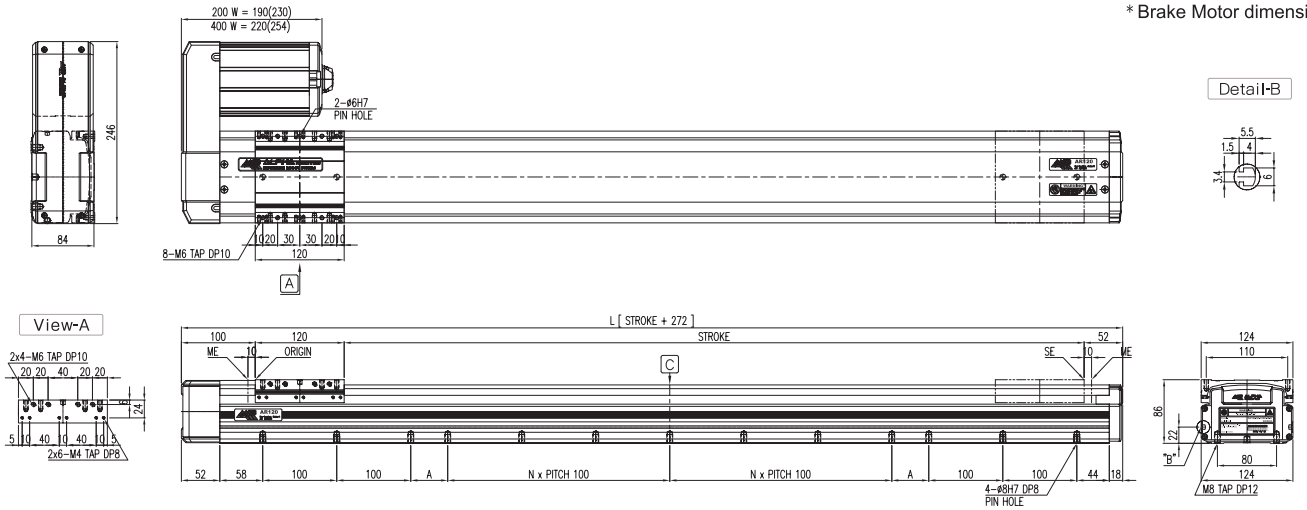
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR120-PL1/2-20N/40N	
AR120-PL1			AR120-PL2	
Rated Output		W	200W, 3000 min^{-1}	400W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:50 (28) V:22 (10)	H:50 (45) V:38 (20)
Stroke Range		mm	100 ~ 1200	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

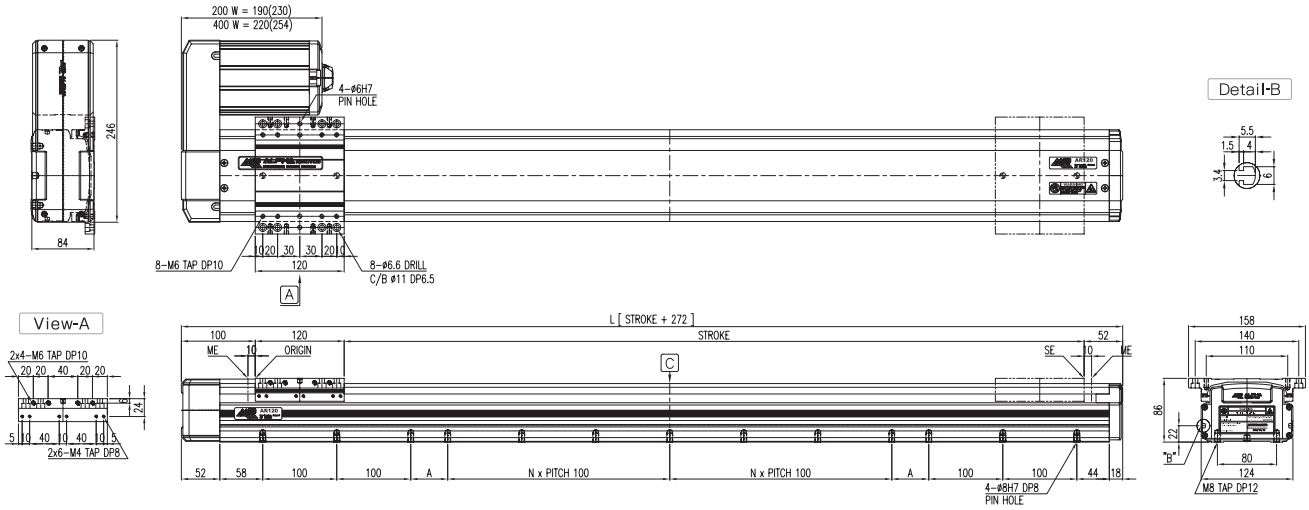
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	30	40	50
Allowable Overhang Distance - mm	Horizontal Use	0°	700	475	350	273
		45°	700	558	408	320
		90°	700	700	700	700
	Wall Installation Use	0°	700	460	336	263
		45°	481	316	231	179
		90°	700	510	376	295
	Vertical Use	0°	700	490	370	295
		45°	700	319	241	191
		90°	700	490	370	295
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

AR120-PL1

* All dimensions in mm
* Brake Motor dimension



AR120-PL2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR120-PL-20N	kg	9.5	10.7	11.9	13.0	14.2	15.4	16.5	17.7	18.9	20.0	1.17
	AR120-PL-40N	kg	10.0	11.1	12.3	13.5	14.7	15.8	17.0	18.2	19.3	20.5	1.17
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR120-PL-N	mm/s	500						474	375	304	251	Note4
	AR120-PL-H	mm/s	1000						948	750	608	503	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of 'A' change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification(20.7page).

Model	AR120-S	AR120-PL	AR120-PR	AR120-PU				

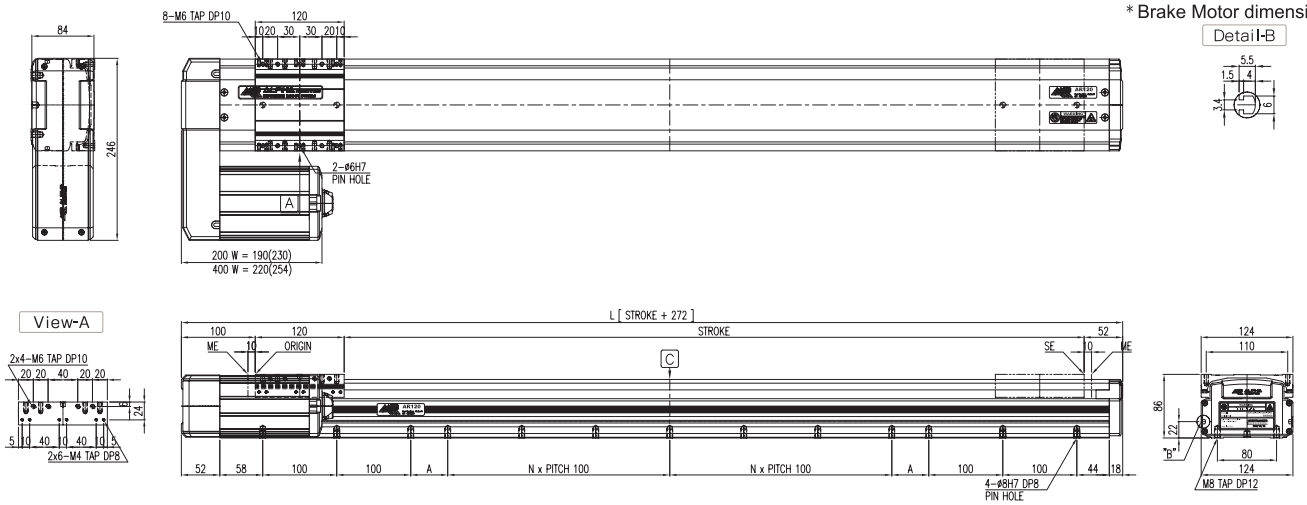
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	AR120-PR1/2-20N/40N
AR120-PR1		AR120-PR2
Rated Output	W	200W, 3000 min^{-1} / 400W, 3000 min^{-1}
Max. Speed Note1	mm/s	500 (1000)
Max. Load Note2	kg	H:50 (28) V:22 (10) / H:50 (45) V:38 (20)
Stroke Range	mm	100 ~ 1200
Repeatability	mm	± 0.02
Drive Type	-	BALL SCREW

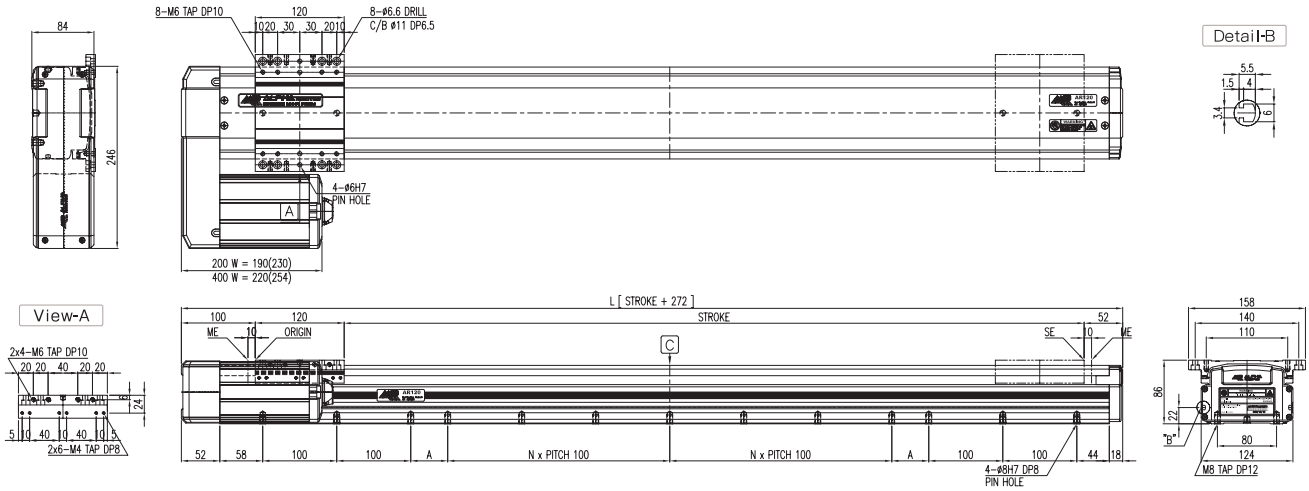
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	30	40	50
Allowable Overhang Distance - mm	Horizontal Use	0°	700	475	350	273
		45°	700	558	408	320
		90°	700	700	700	700
	Wall Installation Use	0°	700	460	336	263
		45°	481	316	231	179
		90°	700	510	376	295
	Vertical Use	0°	700	490	370	295
		45°	700	319	241	191
		90°	700	490	370	295
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

AR120-PR1

* All dimensions in mm
* Brake Motor dimension



AR120-PR2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR120-PR-20N	kg	9.5	10.7	11.9	13.0	14.2	15.4	16.5	17.7	18.9	20.0	1.17
	AR120-PR-40N	kg	10.0	11.1	12.3	13.5	14.7	15.8	17.0	18.2	19.3	20.5	1.17
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR120-PR-N	mm/s	500						474	375	304	251	Note4
	AR120-PR-H	mm/s	1000						948	750	608	503	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of 'A' change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification(20.7page).

Model | AR120-S | AR120-PL | AR120-PR | **AR120-PU**

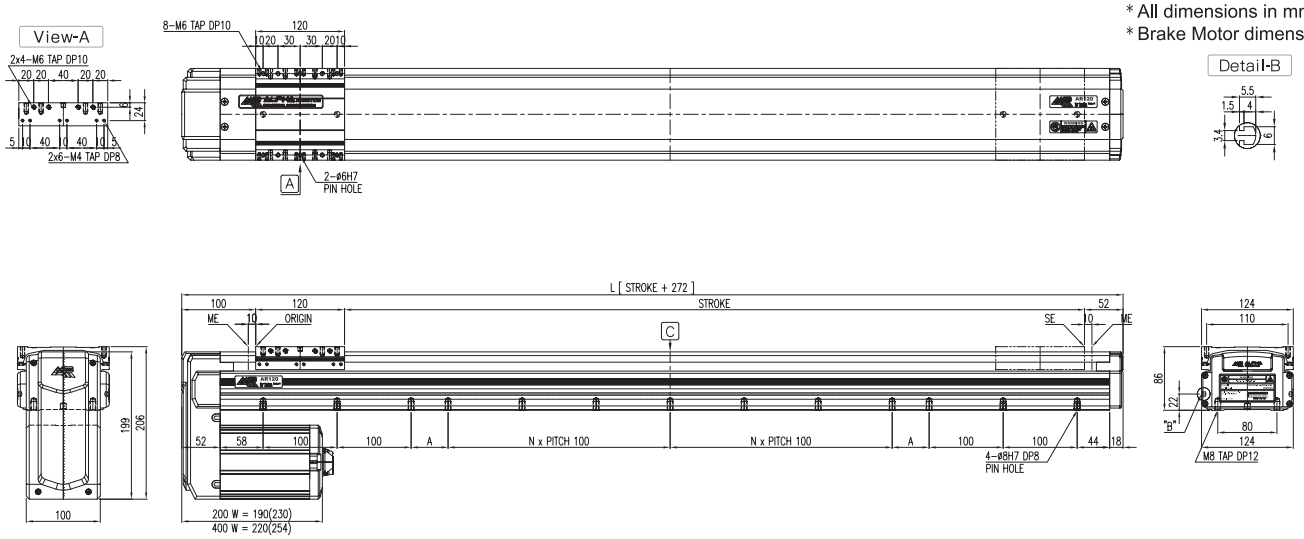
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR120-PU1/2-20N/40N
AR120-PU1			AR120-PU2
Rated Output		W	200W, 3000 min^{-1} / 400W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)
Max. Load	Note2	kg	H:50 (28) V:22 (10) / H:50 (45) V:38 (20)
Stroke Range		mm	100 ~ 1200
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

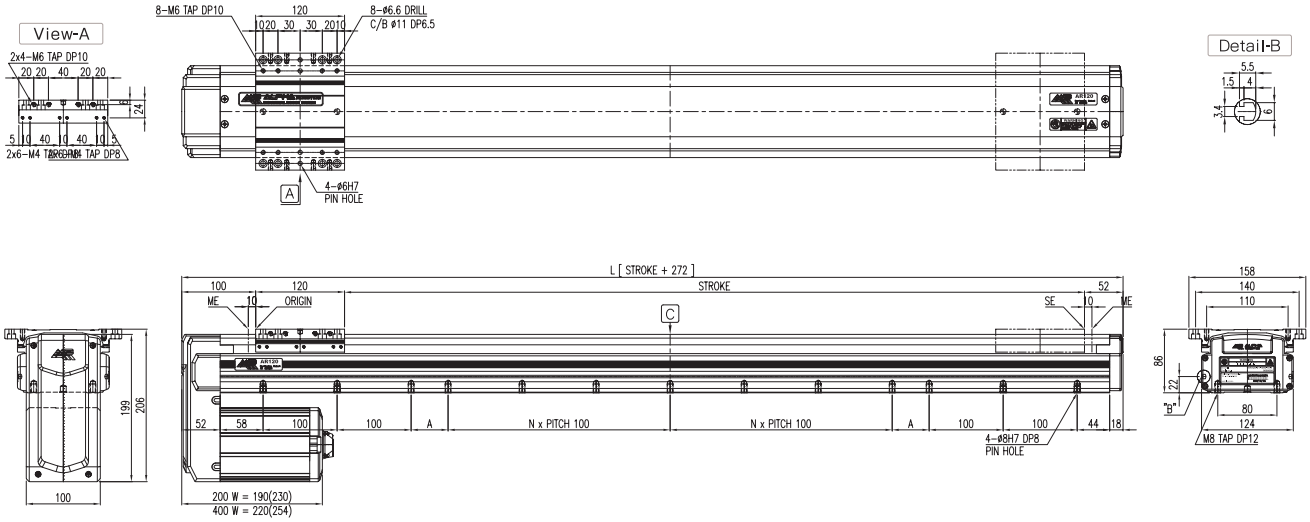
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	30	40	50
Allowable Overhang Distance - mm	Horizontal Use	0°	700	475	350	273
		45°	700	558	408	320
		90°	700	700	700	700
	Wall Installation Use	0°	700	460	336	263
		45°	481	316	231	179
		90°	700	510	376	295
	Vertical Use	0°	700	490	370	295
		45°	700	319	241	191
		90°	700	490	370	295
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

AR120-PU1

* All dimensions in mm
* Brake Motor dimension



AR120-PU2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR120-PU-20N	kg	9.5	10.7	11.9	13.0	14.2	15.4	16.5	17.7	18.9	20.0	1.17
	AR120-PU-40N	kg	10.0	11.1	12.3	13.5	14.7	15.8	17.0	18.2	19.3	20.5	1.17
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR120-PU-N	mm/s	500						474	375	304	251	Note4
	AR120-PU-H	mm/s	1000						948	750	608	503	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of 'A' change by 25, 50, 75, 100

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification(20.7page).

Model	AR160-S	AR160-PL	AR160-PR	AR160-PU				

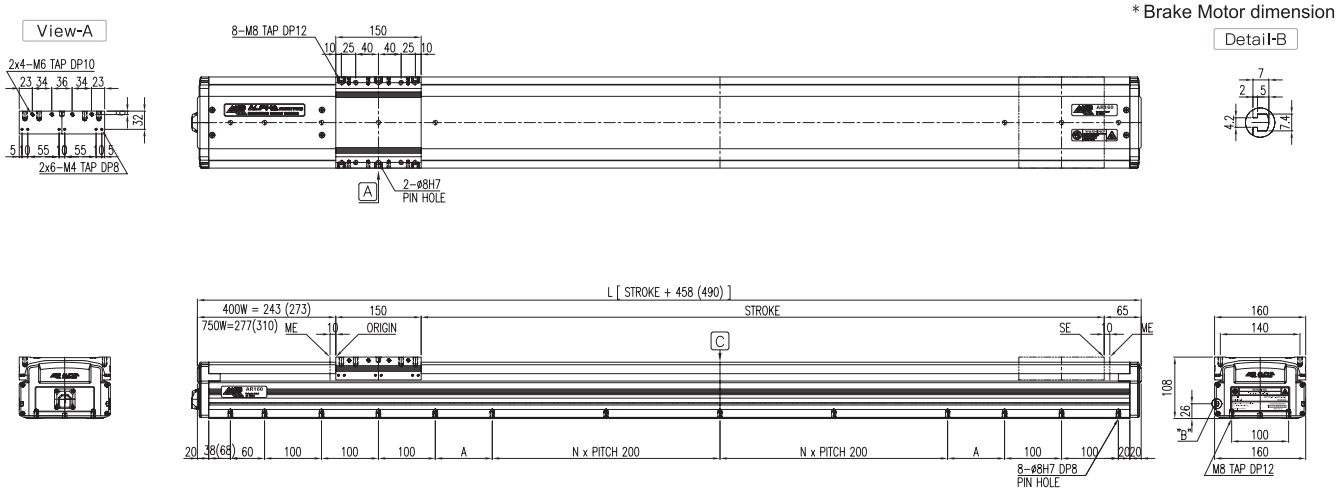
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	AR160-S1/2-40N/75N	
AR160-S1 		AR160-S2 	
Rated Output	W	400W, 3000 min^{-1}	750W, 3000 min^{-1}
Max. Speed Note1	mm/s	500 (1000)	
Max. Load Note2	kg	H:80 (35) V:40 (20)	H:80 (70) V:45 (30)
Stroke Range	mm	100 ~ 1600	
Repeatability	mm	± 0.02	
Drive Type	-	BALL SCREW	

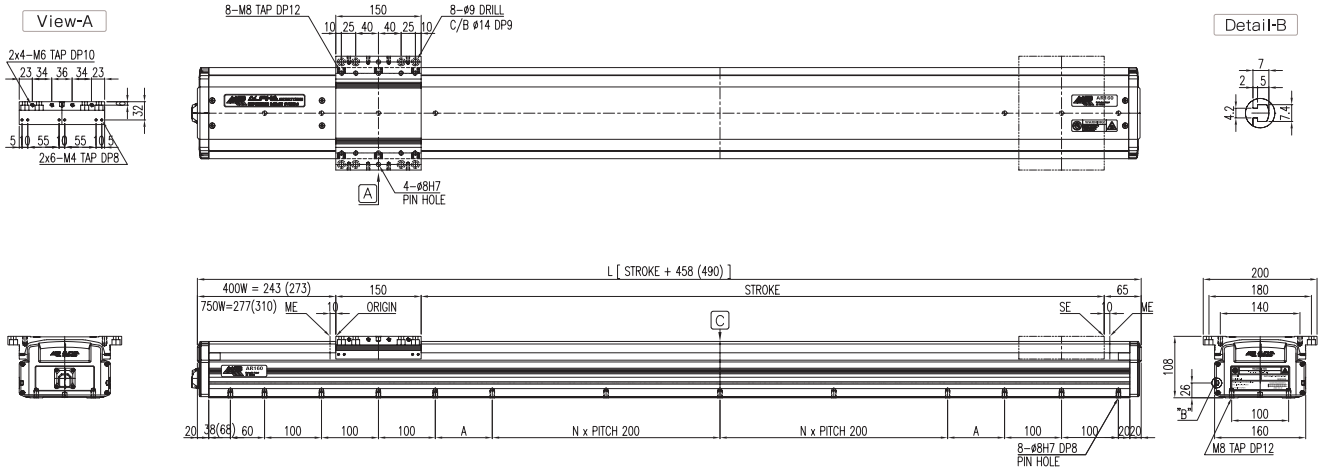
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	30	40	50
Allowable Overhang Distance - mm	Horizontal Use 	0°	800	635	410	298
		45°	800	756	486	353
		90°	800	800	800	800
	Wall Installation Use 	0°	800	590	380	275
		45°	800	410	264	191
		90°	800	675	435	315
	Vertical Use 	0°	800	630	420	315
		45°	800	403	273	205
		90°	800	630	420	310
Note3	Estimated Condition	Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
		Life in traveled distance : 30000 km				

AR160-S1

* All dimensions in mm
* Brake Motor dimension



AR160-S2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR160-S-40N	kg	19.4	21.2	23.1	24.9	26.8	28.6	30.5	32.3	34.2	36.0	1.85
	AR160-S-75N	kg	21.5	23.3	25.2	27.0	28.9	30.7	32.6	34.4	36.3	38.1	1.85
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR160-S-N	mm/s	500						451	359	292	243	Note4
	AR160-S-H	mm/s	1000						902	718	584	485	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. *ME : Mechanical End *SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.7page). The speed on the table is for diameter 15 of Ball Screw and please refer the Specification(20.7page) for diameter 20 of Ball Screw.

Model	AR160-S	AR160-PL	AR160-PR	AR160-PU				

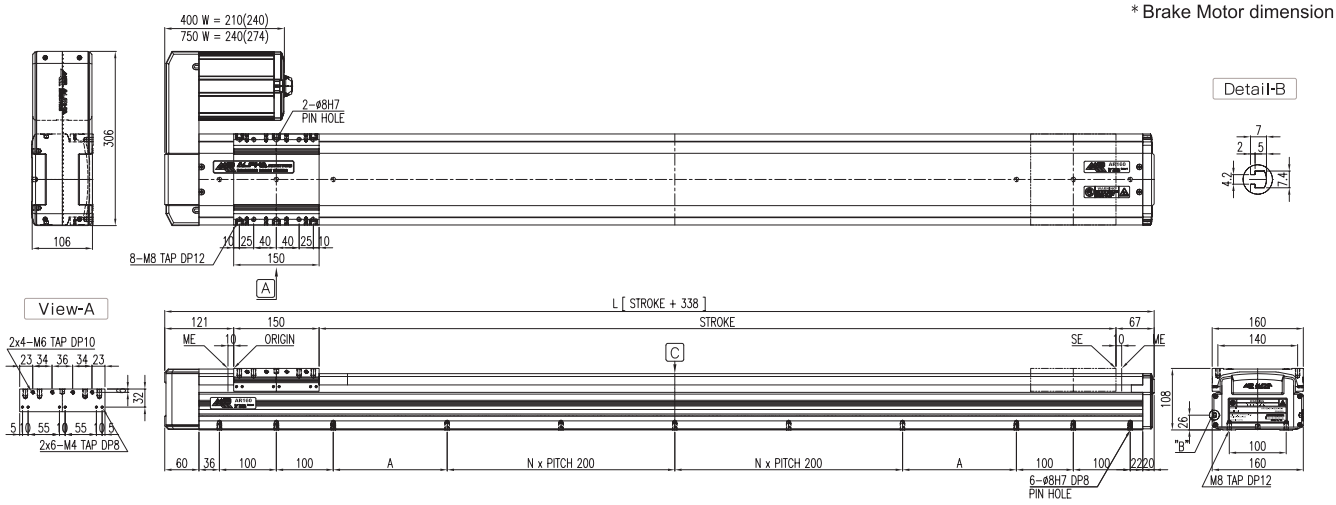
Specification	Unit	AR160-PL1/2-40N/75N	
AR160-PL1		AR160-PL2	
Rated Output	W	400W, 3000 min^{-1}	750W, 3000 min^{-1}
Max. Speed Note1	mm/s	500 (1000)	
Max. Load Note2	kg	H:80 (35) V:40 (20)	H:80 (70) V:45 (30)
Stroke Range	mm	100 ~ 1600	
Repeatability	mm	± 0.02	
Drive Type	-	BALL SCREW	

Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

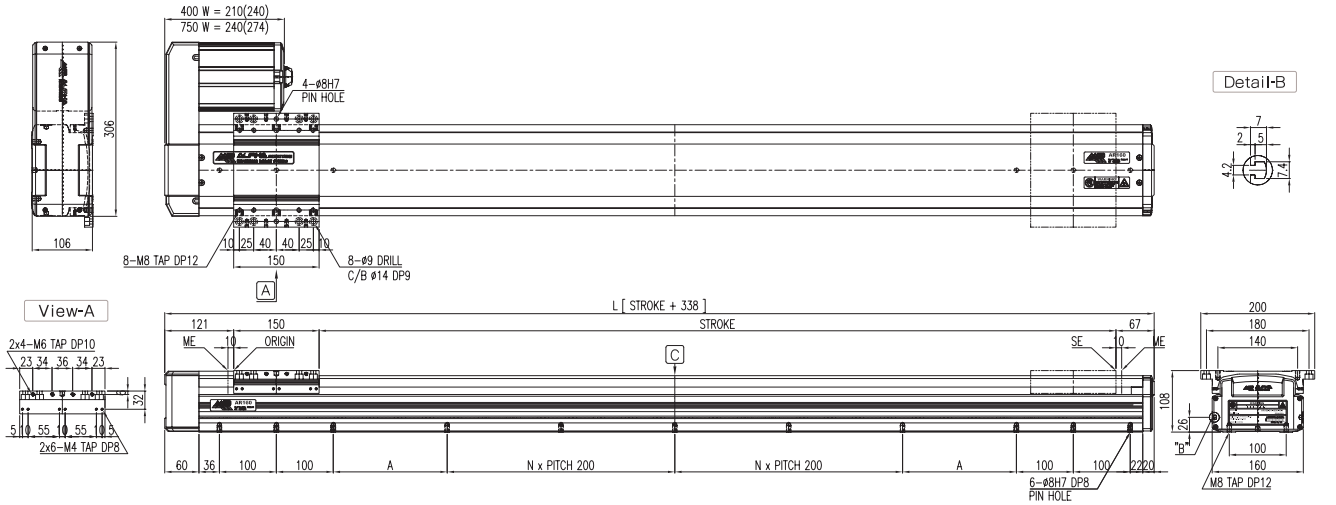
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	30	40	50
Allowable Overhang Distance - mm	Horizontal Use	0°	800	635	410	298
		45°	800	756	486	353
		90°	800	800	800	800
	Wall Installation Use	0°	800	590	380	275
		45°	800	410	264	191
		90°	800	675	435	-315
	Vertical Use	0°	800	630	420	315
		45°	800	403	273	205
		90°	800	630	420	310
Note3	Estimated Condition	Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
		Life in traveled distance : 30000 km				

AR160-PL1

* All dimensions in mm
* Brake Motor dimension



AR160-PL2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR160-PL-40N	kg	15.2	17.1	18.9	20.8	22.6	24.5	26.3	28.2	30.0	31.9	1.85
	AR160-PL-75N	kg	18.6	20.4	22.3	24.1	26.0	27.8	29.7	31.5	33.4	35.2	1.85
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR160-PL-N	mm/s	500						451	359	292	243	Note4
	AR160-PL-H	mm/s	1000						902	718	584	485	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ※ME : Mechanical End ※SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.7page). The speed on the table is for diameter 15 of Ball Screw and please refer the Specification(20.7page) for diameter 20 of Ball Screw.

Model | AR160-S | AR160-PL | **AR160-PR** | AR160-PU

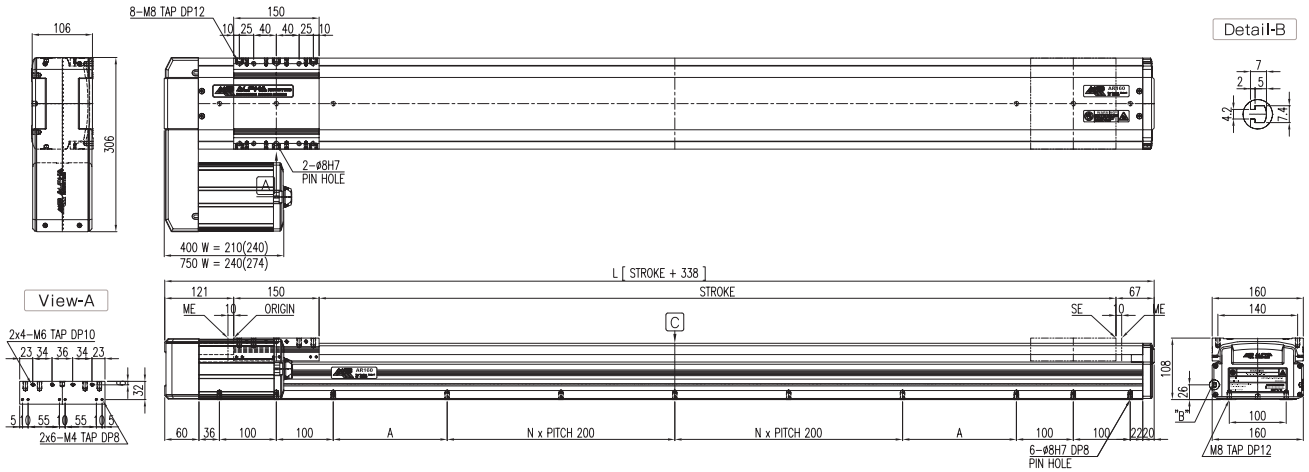
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR160-PR1/2-40N/75N
AR160-PR1 	AR160-PR2 		
Rated Output		W	400W, 3000 min^{-1} / 750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)
Max. Load	Note2	kg	H:80 (35) V:40 (20) / H:80 (70) V:45 (30)
Stroke Range		mm	100 ~ 1600
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

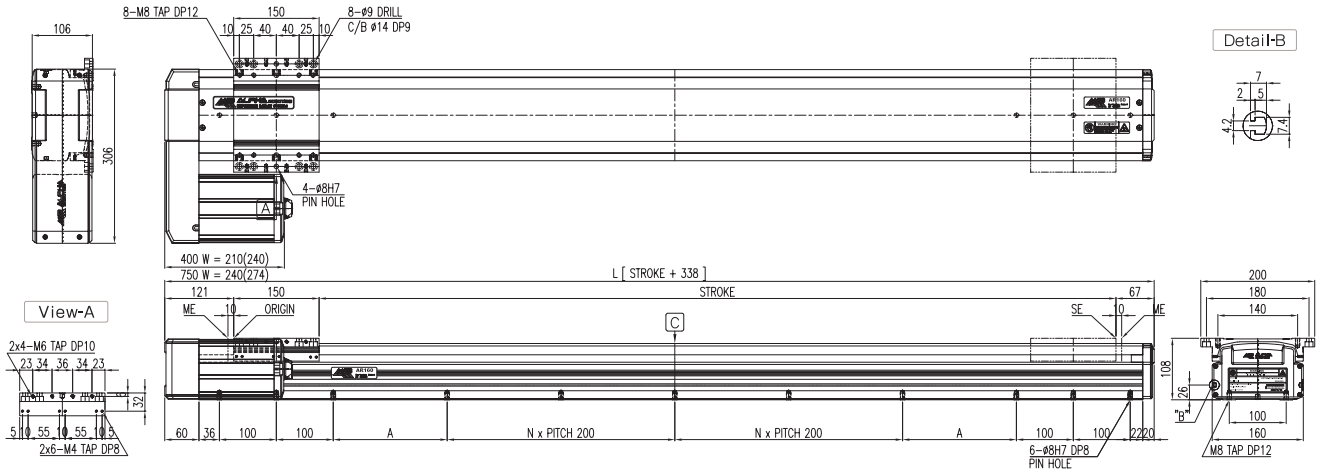
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	30	40	50
Allowable Overhang Distance - mm	Horizontal Use 	0°	800	635	410	298
		45°	800	756	486	353
		90°	800	800	800	800
	Wall Installation Use 	0°	800	590	380	275
		45°	800	410	264	191
		90°	800	675	435	315
	Vertical Use 	0°	800	630	420	315
		45°	800	403	273	205
		90°	800	630	420	310
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

AR160-PR1

* All dimensions in mm
* Brake Motor dimension



AR160-PR2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR160-PR-40N	kg	15.2	17.1	18.9	20.8	22.6	24.5	26.3	28.2	30.0	31.9	1.85
	AR160-PR-75N	kg	18.6	20.4	22.3	24.1	26.0	27.8	29.7	31.5	33.4	35.2	1.85
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR160-PR-N	mm/s	500						451	359	292	243	Note4
	AR160-PR-H	mm/s	1000						902	718	584	485	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification(20.7page). The speed on the table is for diameter 15 of Ball Screw and please refer the Specification(20.7page) for diameter 20 of Ball Screw.

Model	AR160-S	AR160-PL	AR160-PR	AR160-PU			

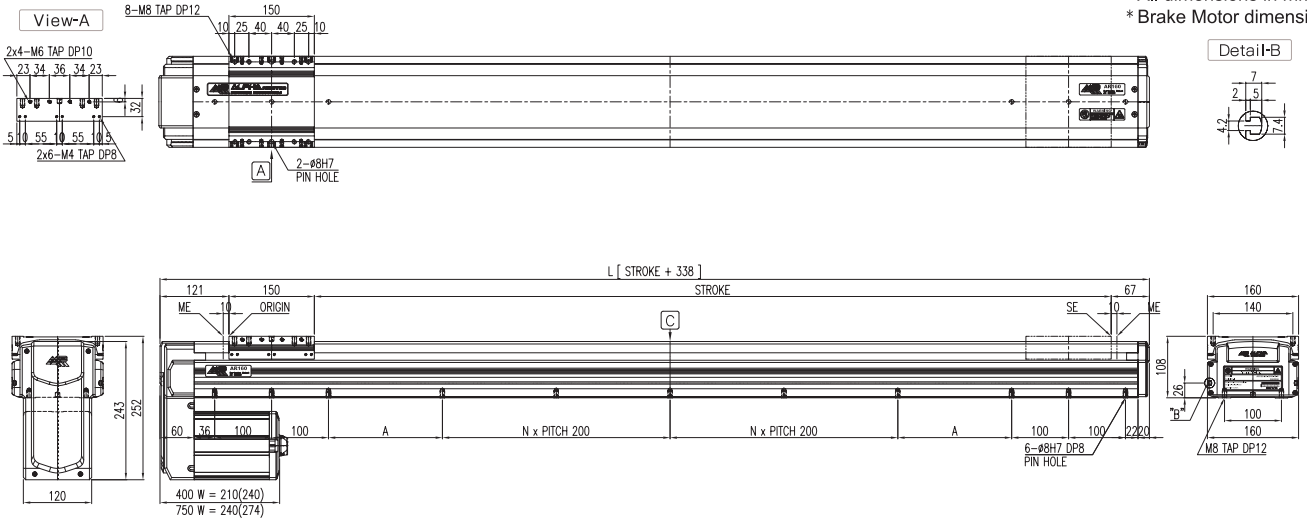
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	AR160-PU1/2-40N/75N
AR160-PU1		AR160-PU2
Rated Output	W	400W, 3000 min^{-1} / 750W, 3000 min^{-1}
Max. Speed Note1	mm/s	500 (1000)
Max. Load Note2	kg	H:80 (70) V:45 (30) / H:80 (70) V:45 (30)
Stroke Range	mm	100 ~ 1600
Repeatability	mm	± 0.02
Drive Type	-	BALL SCREW

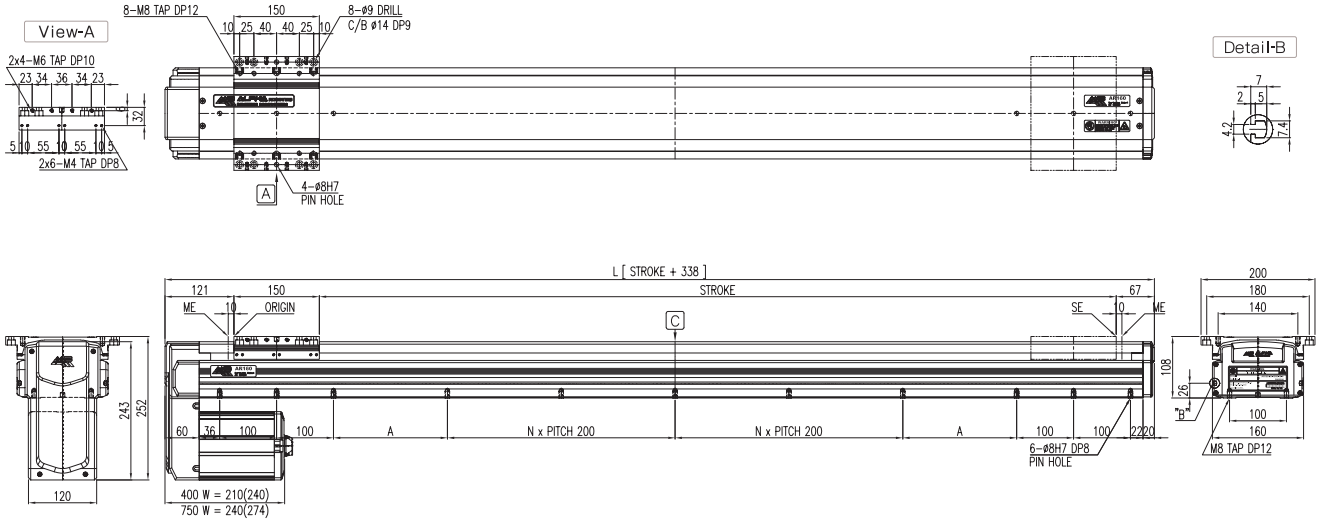
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	30	40	50
Allowable Overhang Distance - mm	Horizontal Use	0°	800	635	410	298
		45°	800	756	486	353
		90°	800	800	800	800
	Wall Installation Use	0°	800	590	380	275
		45°	800	410	264	191
		90°	800	675	435	315
	Vertical Use	0°	800	630	420	315
		45°	800	403	273	205
		90°	800	630	420	310
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

AR160-PU1

* All dimensions in mm
* Brake Motor dimension



AR160-PU2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR160-PU-40N	kg	15.2	17.1	18.9	20.8	22.6	24.5	26.3	28.2	30.0	31.9	1.85
	AR160-PU-75N	kg	18.6	20.4	22.3	24.1	26.0	27.8	29.7	31.5	33.4	35.2	1.85
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR160-PU-N	mm/s	500						451	359	292	243	Note4
	AR160-PU-H	mm/s	1000						902	718	584	485	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ※ME : Mechanical End ※SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification(20.7page). The speed on the table is for diameter 15 of Ball Screw and please refer the Specification(20.7page) for diameter 20 of Ball Screw.

Model	AR200-S	AR200-PL	AR200-PR	AR200-PU				

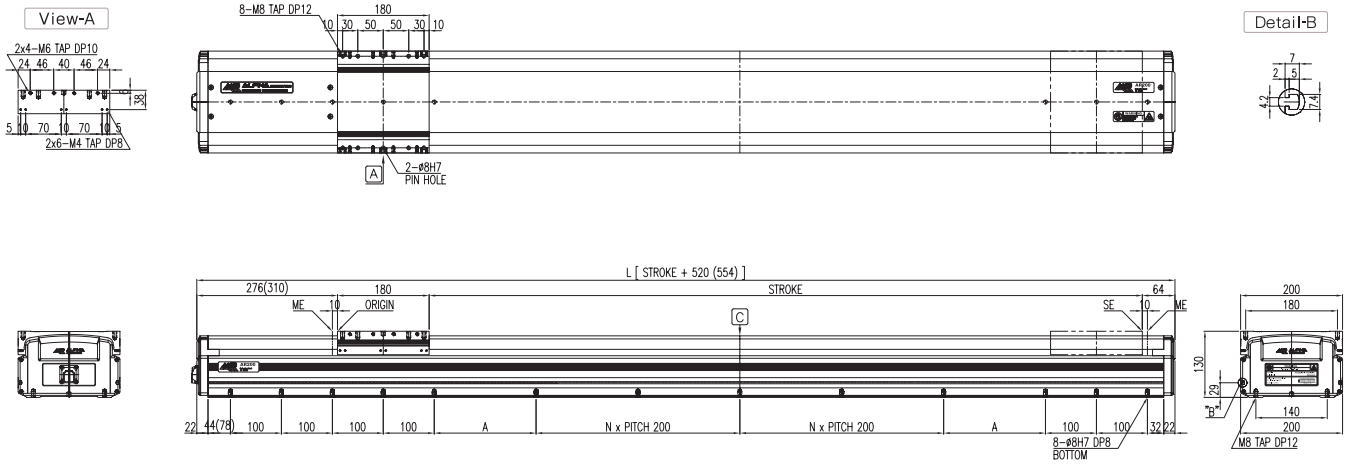
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR200-S1/2-75N	
AR200-S1 	AR200-S2 			
Rated Output		W	750W, 3000 min^{-1}	
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:120 (100)	V:60 (38)
Stroke Range		mm	200 ~ 2000	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

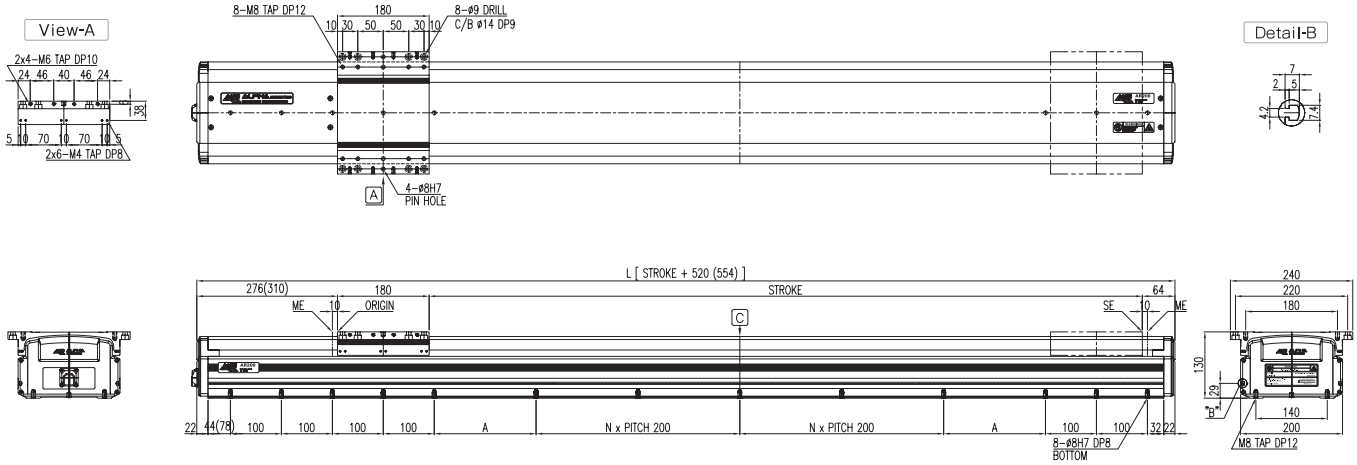
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	30	60	90	120
Allowable Overhang Distance - mm	Horizontal Use 	0°	900	900	605	440
		45°	900	900	720	522
		90°	900	900	900	900
	Wall Installation Use 	0°	900	740	478	346
		45°	900	553	358	257
		90°	900	900	640	465
	Vertical Use 	0°	900	790	525	395
		45°	900	514	345	260
		90°	900	790	520	390
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

AR200-S1

* All dimensions in mm
* Brake Motor dimension



AR200-S2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR200-S-75N	kg	31.7	34.5	37.4	40.2	43.0	45.9	48.7	51.5	54.3	57.2	2.83
Speed	AR200-S-N	mm/s	500							478	391	325	Note4
	AR200-S-H	mm/s	1000							957	782	651	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. *ME : Mechanical End *SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

Model | AR200-S | **AR200-PL** | AR200-PR | AR200-PU

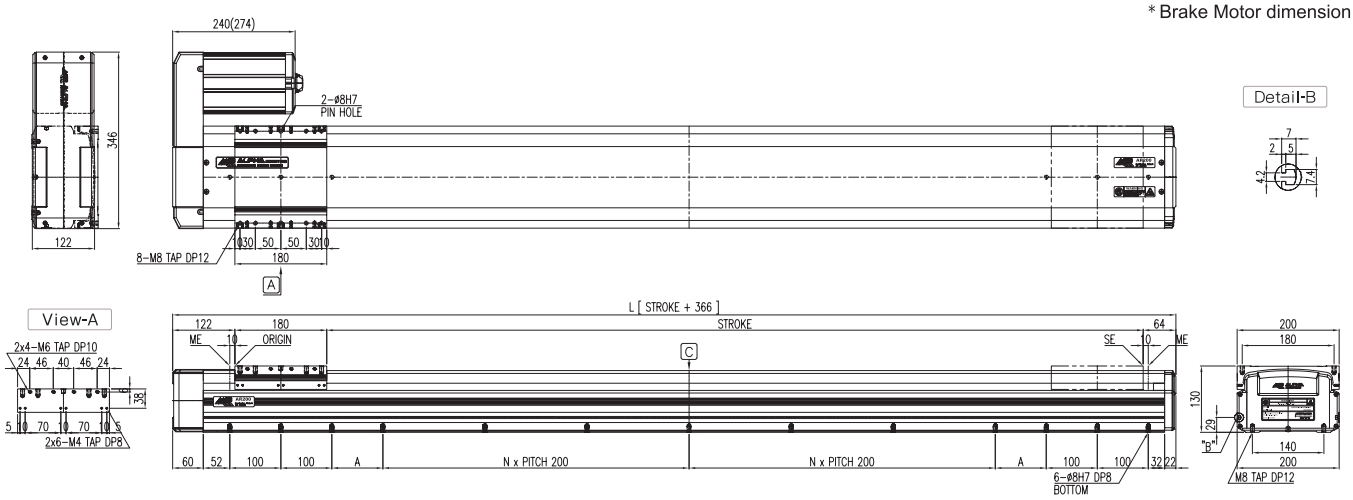
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR200-PL1/2-75N
AR200-PL1 / AR200-PL2			 
Rated Output		W	750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)
Max. Load	Note2	kg	H:120 (90) V:60 (38)
Stroke Range		mm	200 ~ 2000
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

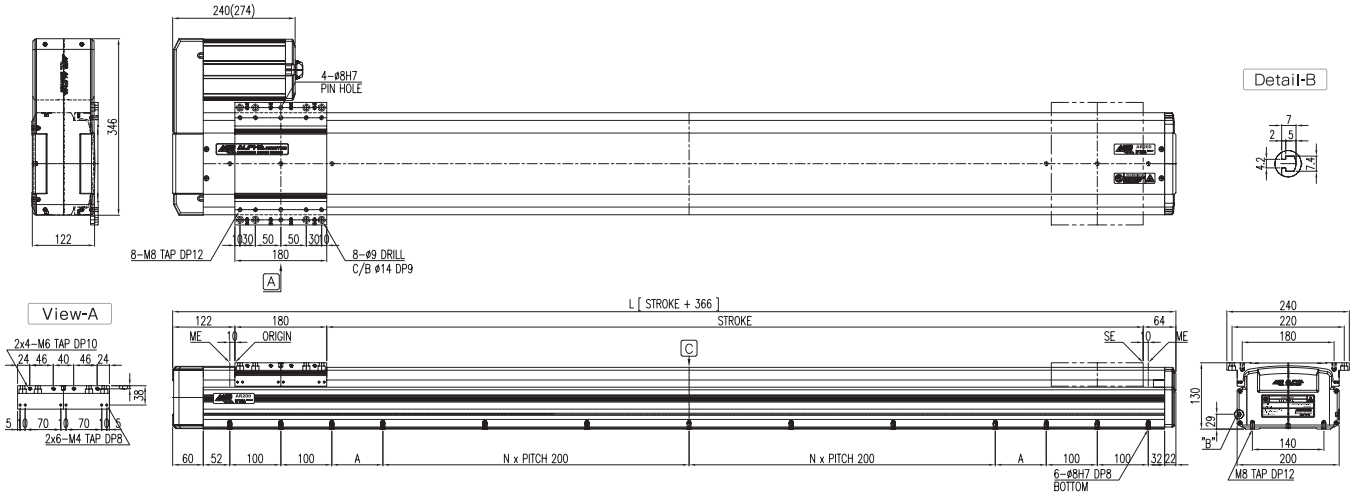
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	30	60	90	120
Allowable Overhang Distance - mm	Horizontal Use	0°	900	900	605	440
		45°	900	900	720	522
		90°	900	900	900	900
	Wall Installation Use	0°	900	740	478	346
		45°	900	553	358	257
		90°	900	900	640	465
	Vertical Use	0°	900	790	525	395
		45°	900	514	345	260
		90°	900	790	520	390
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

AR200-PL1

* All dimensions in mm
* Brake Motor dimension



AR200-PL2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR200-PL-75N	kg	24.6	27.4	30.2	33.1	35.9	38.7	41.6	44.4	47.2	50.1	2.83
Speed	AR200-PL-N	mm/s	500							478	391	325	Note4
	AR200-PL-H	mm/s	1000							957	782	651	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. *ME : Mechanical End *SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

Model | AR200-S | AR200-PL | AR200-PR | AR200-PU

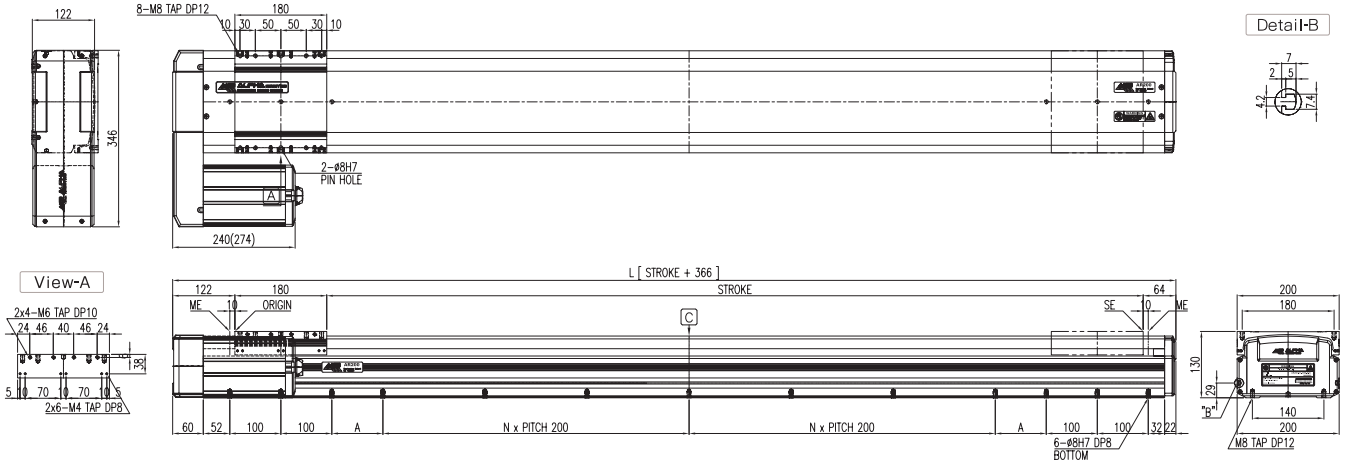
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	AR200-PR1/2-75N
AR200-PR1		AR200-PR2
Rated Output	W	750W, 3000 min^{-1}
Max. Speed Note1	mm/s	500 (1000)
Max. Load Note2	kg	H:120 (90) / V:60 (38)
Stroke Range	mm	200 ~ 2000
Repeatability	mm	± 0.02
Drive Type	-	BALL SCREW

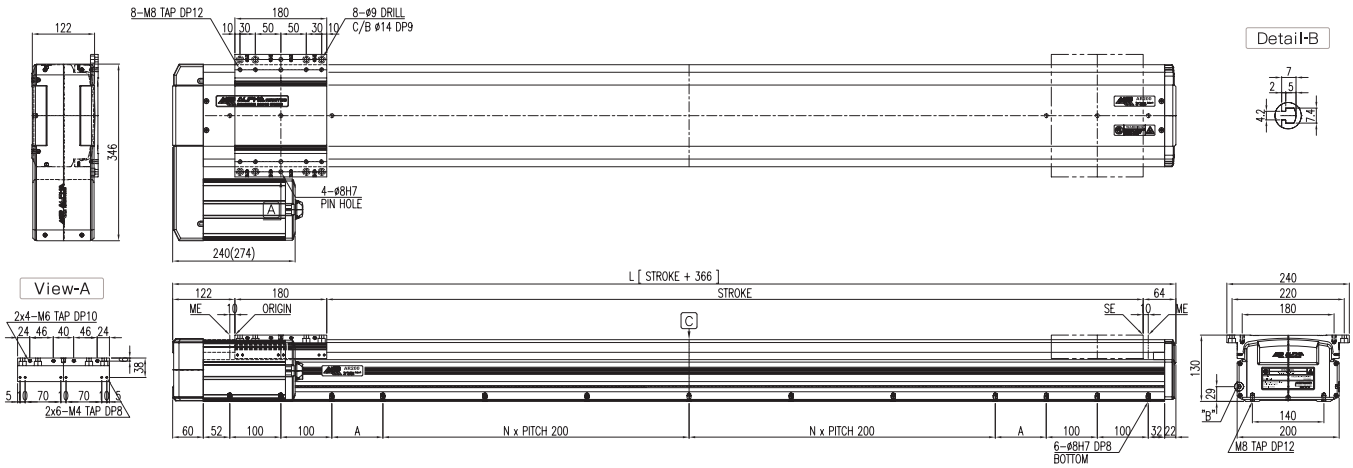
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	30	60	90	120
Allowable Overhang Distance - mm	Horizontal Use	0°	900	900	605	440
		45°	900	900	720	522
		90°	900	900	900	900
	Wall Installation Use	0°	900	740	478	346
		45°	900	553	358	257
		90°	900	900	640	465
	Vertical Use	0°	900	790	525	395
		45°	900	514	345	260
		90°	900	790	520	390
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

AR200-PR1

* All dimensions in mm
* Brake Motor dimension



AR200-PR2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR200-PR-75N	kg	24.6	27.4	30.2	33.1	35.9	38.7	41.6	44.4	47.2	50.1	2.83
Speed	AR200-PR-N	mm/s	500							478	391	325	Note4
	AR200-PR-H	mm/s	1000							957	782	651	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

Model | AR200-S | AR200-PL | AR200-PR | **AR200-PU**

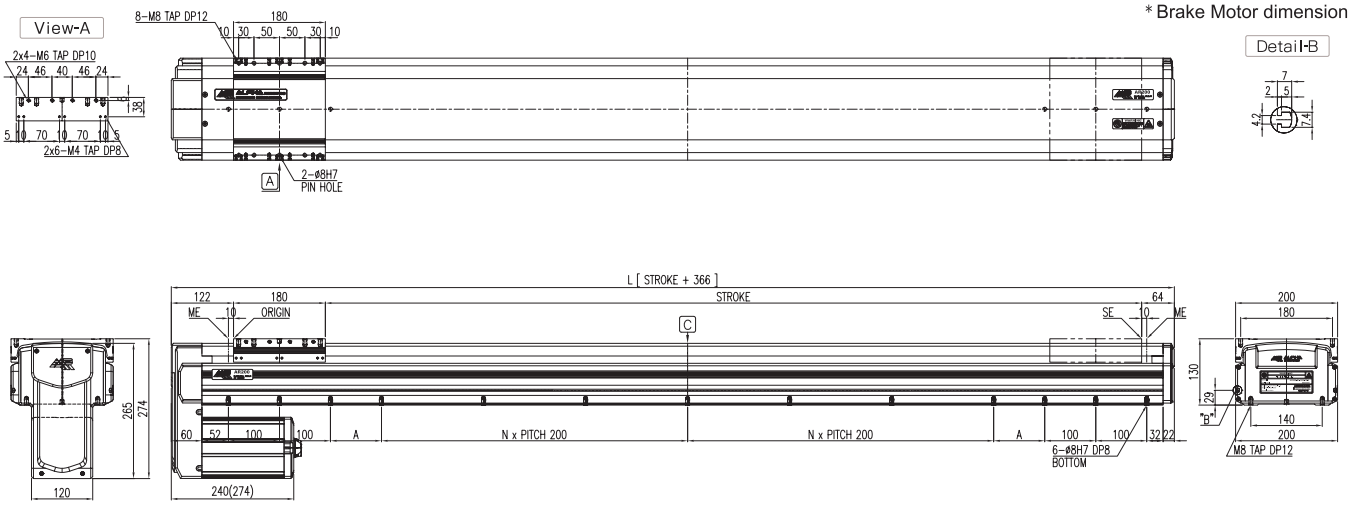
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR200-PU1/2-75N
AR200-PU1 / AR200-PU2	 		
Rated Output		W	750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)
Max. Load	Note2	kg	H:120 (90) V:60 (38)
Stroke Range		mm	200 ~ 2000
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

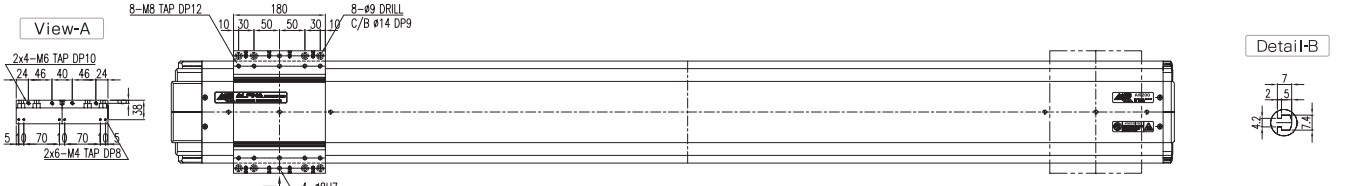
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	30	60	90	120
Allowable Overhang Distance - mm	Horizontal Use 	0°	900	900	605	440
		45°	900	900	720	522
		90°	900	900	900	900
	Wall Installation Use 	0°	900	740	478	346
		45°	900	553	358	257
		90°	900	900	640	465
	Vertical Use 	0°	900	790	525	395
		45°	900	514	345	260
		90°	900	790	520	390
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

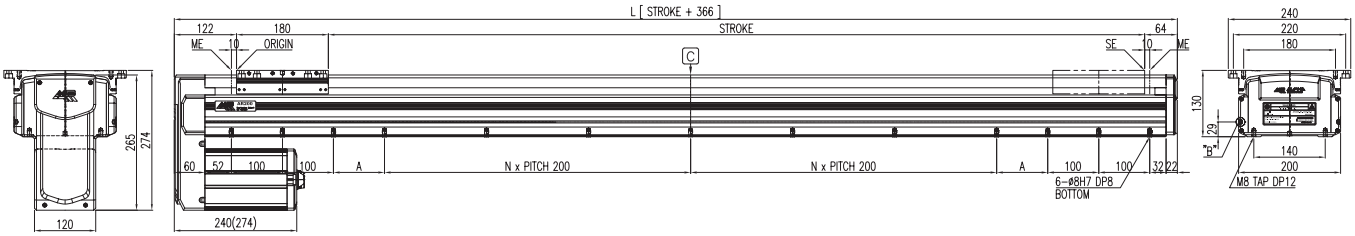
AR200-PU1

* All dimensions in mm
* Brake Motor dimension



AR200-PU2





	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR200-PU-75N	kg	24.6	27.4	30.2	33.1	35.9	38.7	41.6	44.4	47.2	50.1	2.83
Speed	AR200-PU-N	mm/s	500							478	391	325	Note4
	AR200-PU-H	mm/s	1000							957	782	651	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

Model	AR230-S	AR230-PL	AR230-PR	AR230-PU				

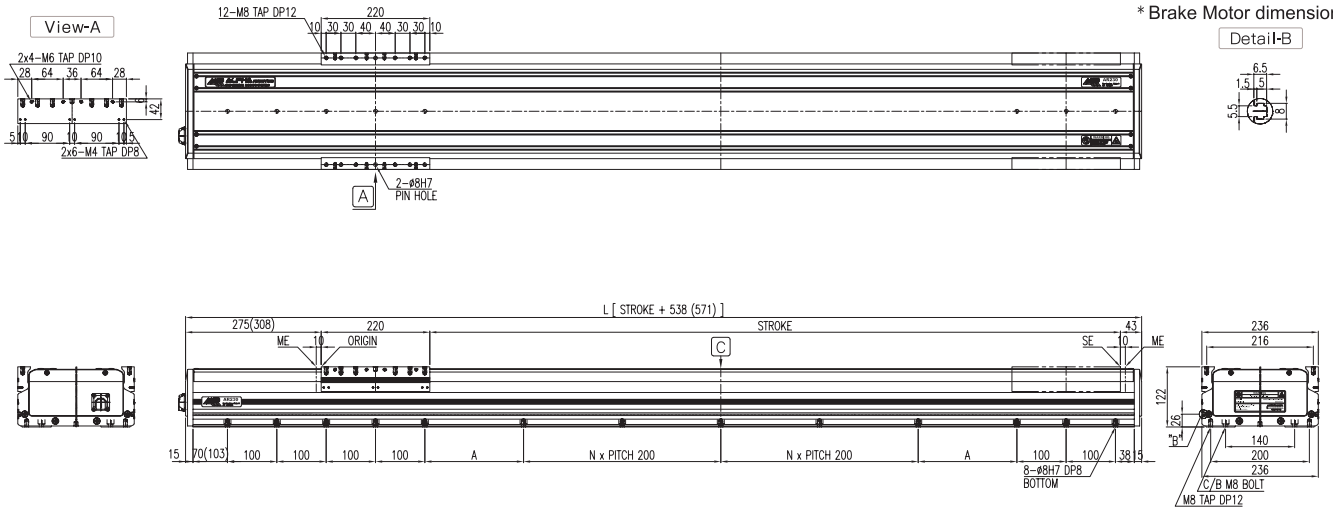
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR230-S1/2-75N	
AR230-S1 	AR230-S2 			
Rated Output		W	750W, 3000 min^{-1}	
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:150 (90)	V:60 (38)
Stroke Range		mm	200 ~ 2000	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

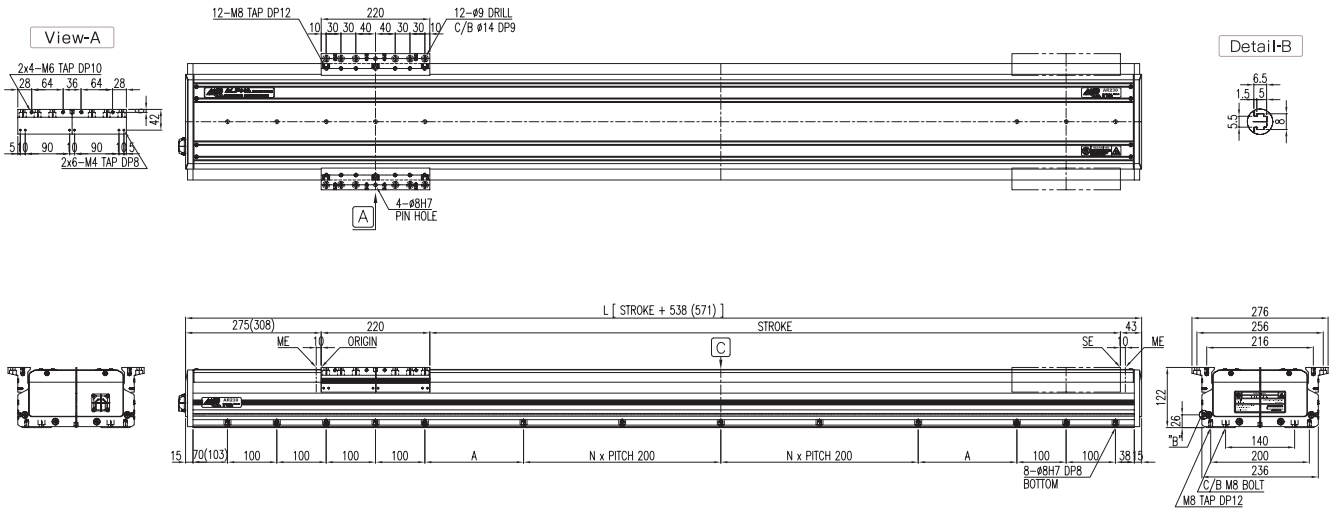
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use 	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use 	0°	1000	705	510	395
		45°	787	510	371	286
		90°	1000	880	640	495
	Vertical Use 	0°	1000	780	580	465
		45°	754	507	377	299
		90°	1000	780	580	460
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

AR230-S1

* All dimensions in mm
* Brake Motor dimension



AR230-S2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR230-S-75N	kg	33.2	36.1	39.0	41.9	44.8	47.7	50.6	53.5	56.4	59.2	2.89
Speed	AR230-S-N	mm/s	500							478	391	325	Note4
	AR230-S-H	mm/s	1000							957	782	651	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ※ME : Mechanical End ※SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

AR230 SERIES

Model	AR230-S	AR230-PL	AR230-PR	AR230-PU				

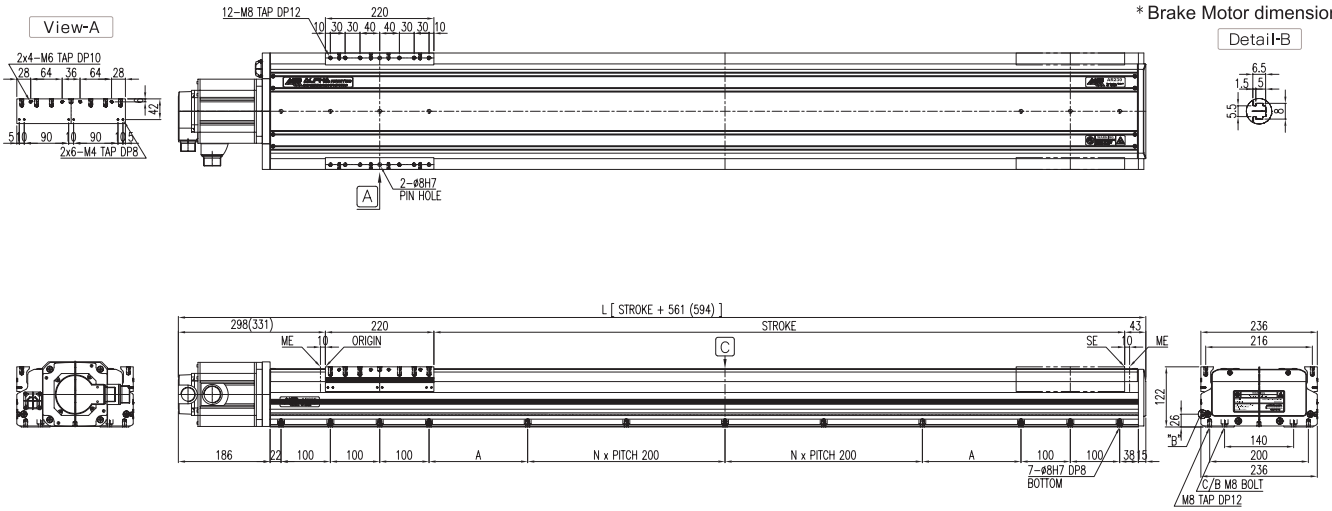
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR230-S1/2-1KN	
AR230-S1				
AR230-S2				
Rated Output		W	1000W, 2000 min^{-1}	
Max. Speed	Note1	mm/s	330 (660)	
Max. Load	Note2	kg	H:150 (150)	V:140 (80)
Stroke Range		mm	200 ~ 2000	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

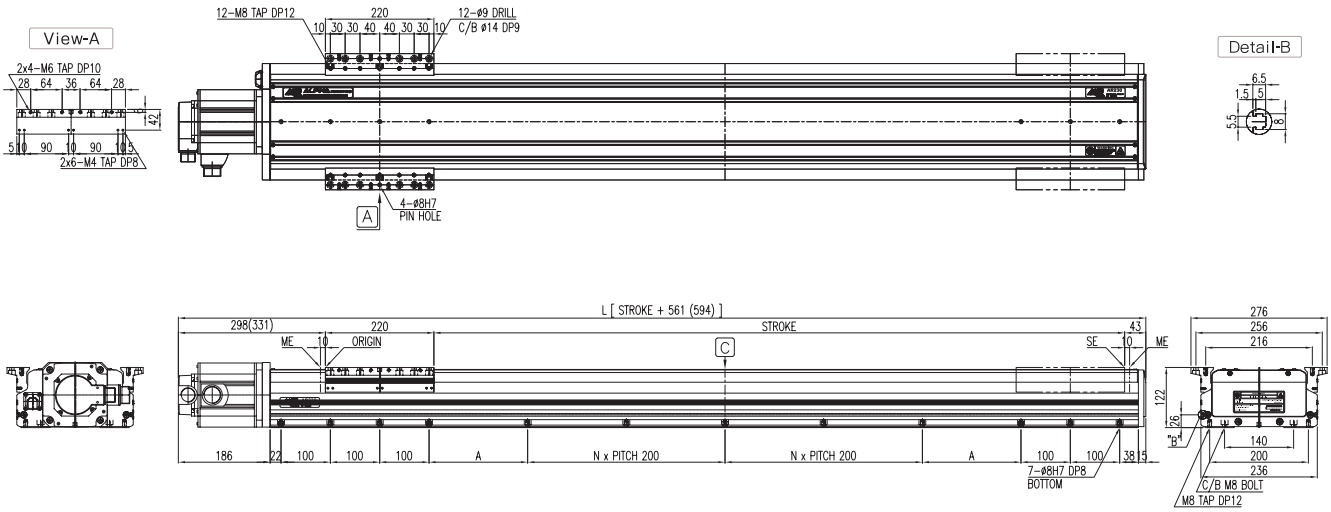
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	510	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000	780	580	465
		45°	754	507	377	299
		90°	1000	780	580	460
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

AR230-S1

* All dimensions in mm
* Brake Motor dimension



AR230-S2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR230-S-1KN	kg	41.8	44.7	47.6	50.5	53.4	56.3	59.2	62.0	64.9	67.8	2.89

Speed	Model \ Stroke	Units	100 ~ 1000	Offset(100)
	AR230-S-N	mm/s	330	Note4
	AR230-S-H	mm/s	660	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ※ME : Mechanical End ※SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

Model | AR230-S | **AR230-PL** | AR230-PR | AR230-PU

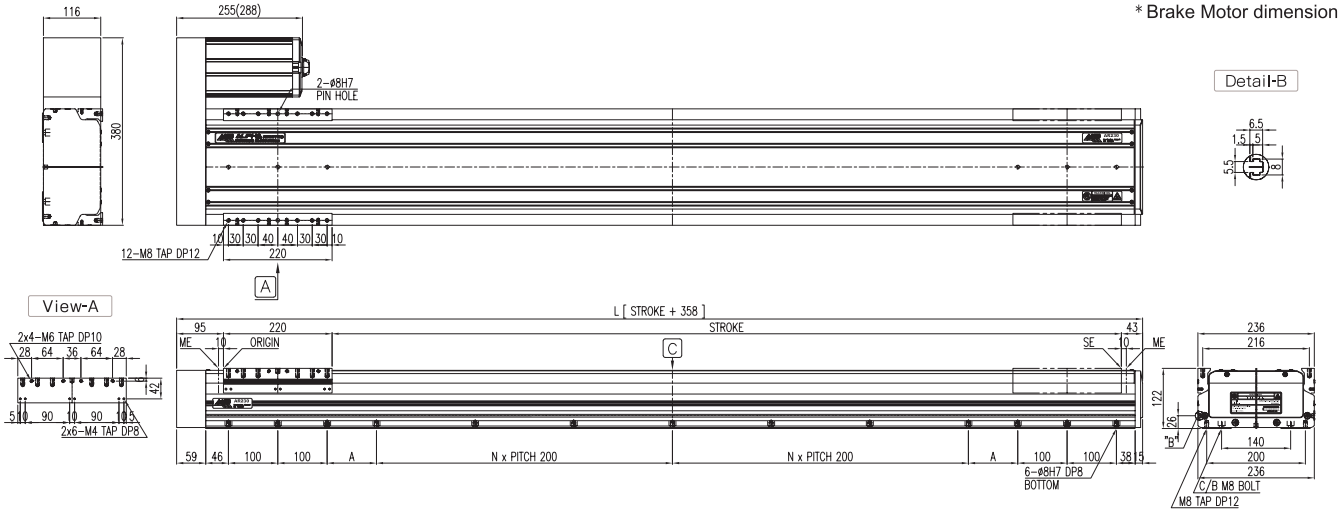
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR230-PL1/2-75N
AR230-PL1			AR230-PL2
Rated Output		W	750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)
Max. Load	Note2	kg	H:150 (90) V:60 (38)
Stroke Range		mm	200 ~ 2000
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

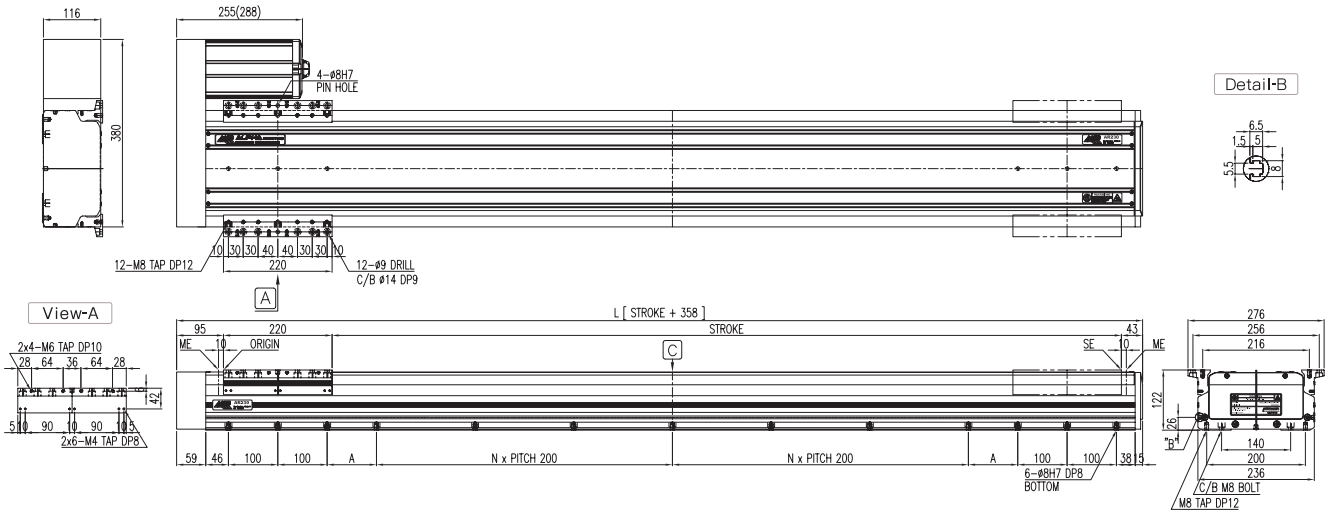
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	510	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000	780	580	465
		45°	754	507	377	299
		90°	1000	780	580	460
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

AR230-PL1

* All dimensions in mm
* Brake Motor dimension



AR230-PL2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR230-PL-75N	kg	26.0	28.9	31.8	34.7	37.5	40.4	43.3	46.2	49.1	52.0	2.89
Speed	AR230-PL-N	mm/s	500							478	391	325	Note4
	AR230-PL-H	mm/s	1000							957	782	651	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. *ME : Mechanical End *SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

Model | AR230-S | **AR230-PL** | AR230-PR | AR230-PU

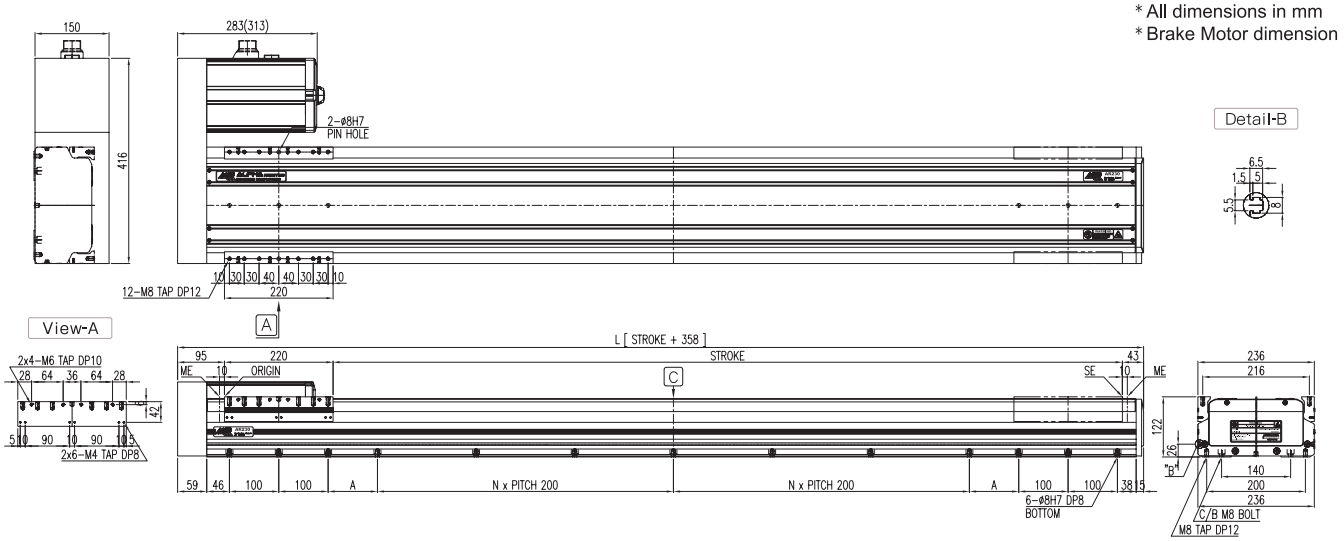
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	AR230-PL1/2-1 KN
AR230-PL1		AR230-PL2
Rated Output	W	1000W, 2000 min^{-1}
Max. Speed Note1	mm/s	330 (660)
Max. Load Note2	kg	H:150 (150) V:140 (80)
Stroke Range	mm	200 ~ 2000
Repeatability	mm	± 0.02
Drive Type	-	BALL SCREW

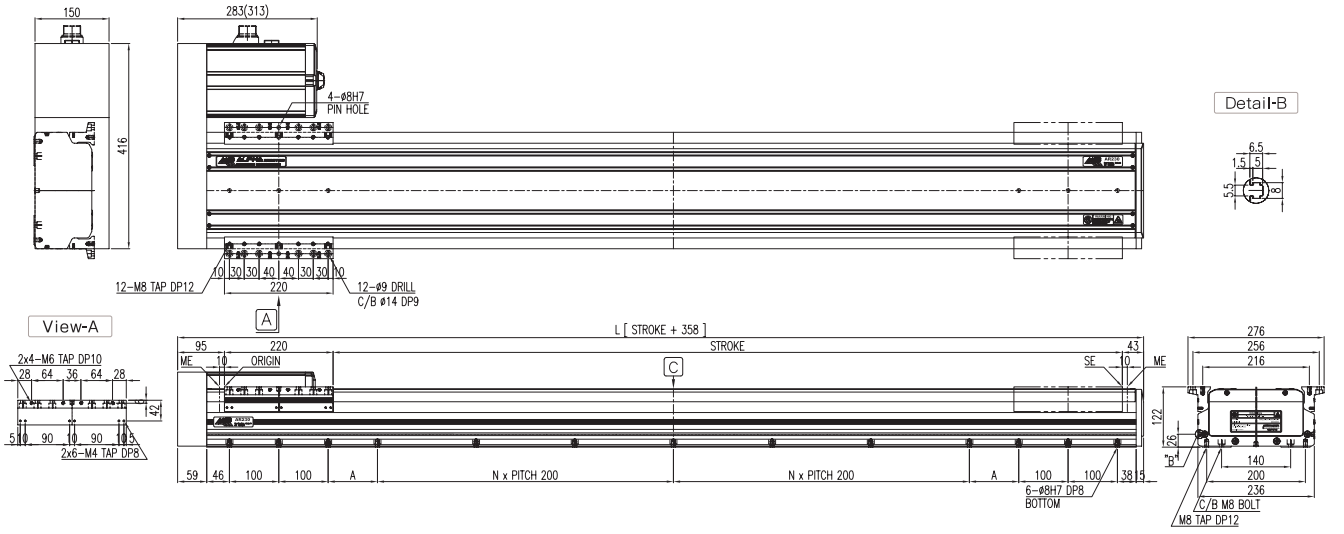
Specification	Unit	Data			
Acceleration	G	0.3			
Load	kg	60	90	120	150
Allowable Overhang Distance - mm: Horizontal Use	0°	1000	835	605	470
	45°	1000	996	720	558
	90°	1000	1000	1000	1000
Wall Installation Use	0°	1000	705	510	395
	45°	787	510	371	286
	90°	1000	880	640	495
Vertical Use	0°	1000	780	580	465
	45°	754	507	377	299
	90°	1000	780	580	460
Note3 Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
	Life in traveled distance : 30000 km				

AR230-PL1

* All dimensions in mm
* Brake Motor dimension



AR230-PL2



Weight: Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
AR230-PL-1KN	kg	39.0	41.9	44.8	47.7	50.6	53.5	56.4	59.3	62.2	65.1	2.89

Speed: Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
AR230-PL-N	mm/s	330										Note4
AR230-PL-H	mm/s	660										Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ※ME : Mechanical End ※SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

Model | AR230-S | AR230-PL | **AR230-PR** | AR230-PU

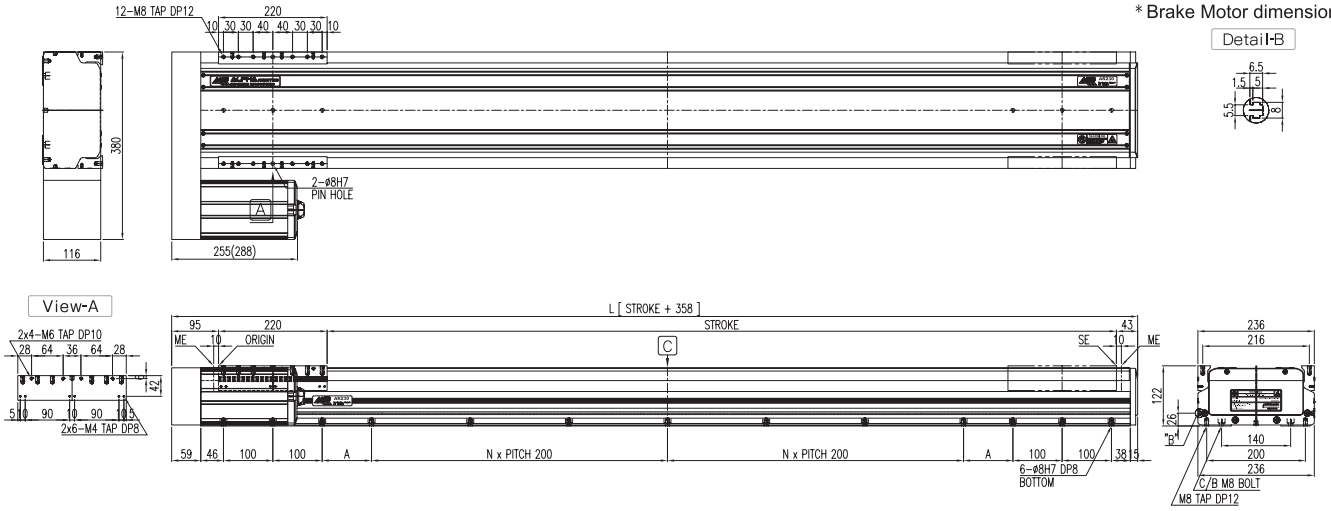
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	AR230-PR1/2-75N
AR230-PR1 / AR230-PR2		
Rated Output	W	750W, 3000 min^{-1}
Max. Speed Note1	mm/s	500 (1000)
Max. Load Note2	kg	H:150 (90) / V:60 (38)
Stroke Range	mm	200 ~ 2000
Repeatability	mm	± 0.02
Drive Type	-	BALL SCREW

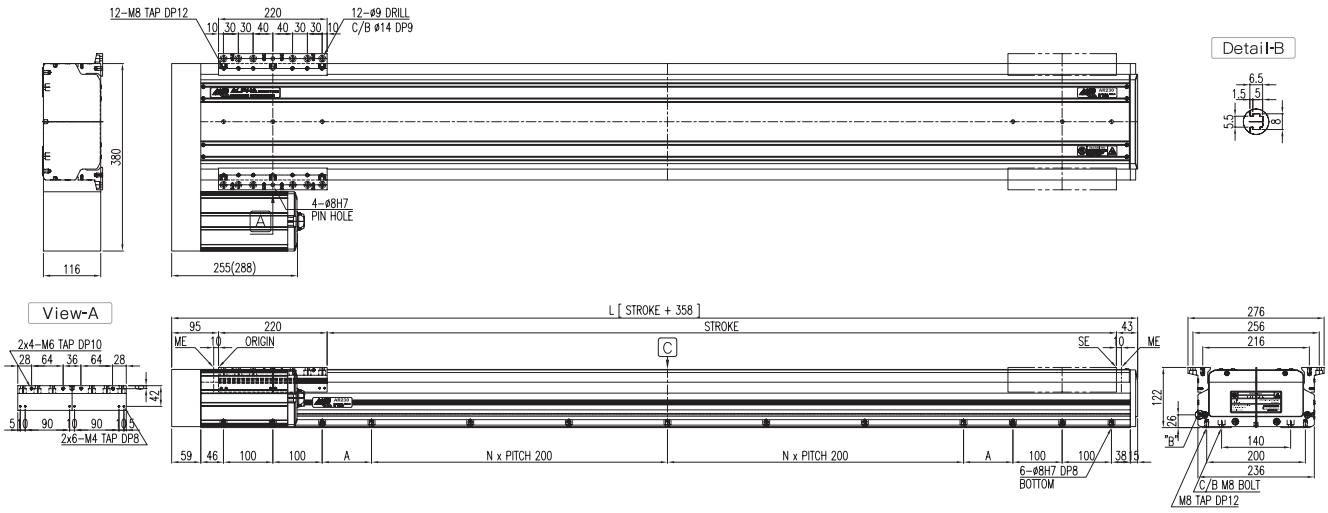
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	510	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000	780	580	465
		45°	754	507	377	299
		90°	1000	780	580	460
Note3	Estimated Condition	Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
		Life in traveled distance : 30000 km				

AR230-PR1

* All dimensions in mm
* Brake Motor dimension



AR230-PR2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR230-PR-75N	kg	33.2	36.1	39.0	41.9	44.8	47.7	50.6	53.5	56.4	59.2	2.89
Speed	AR230-PR-N	mm/s	500							478	391	325	Note4
	AR230-PR-H	mm/s	1000							957	782	651	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. *ME : Mechanical End *SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

Model | AR230-S | AR230-PL | **AR230-PR** | AR230-PU

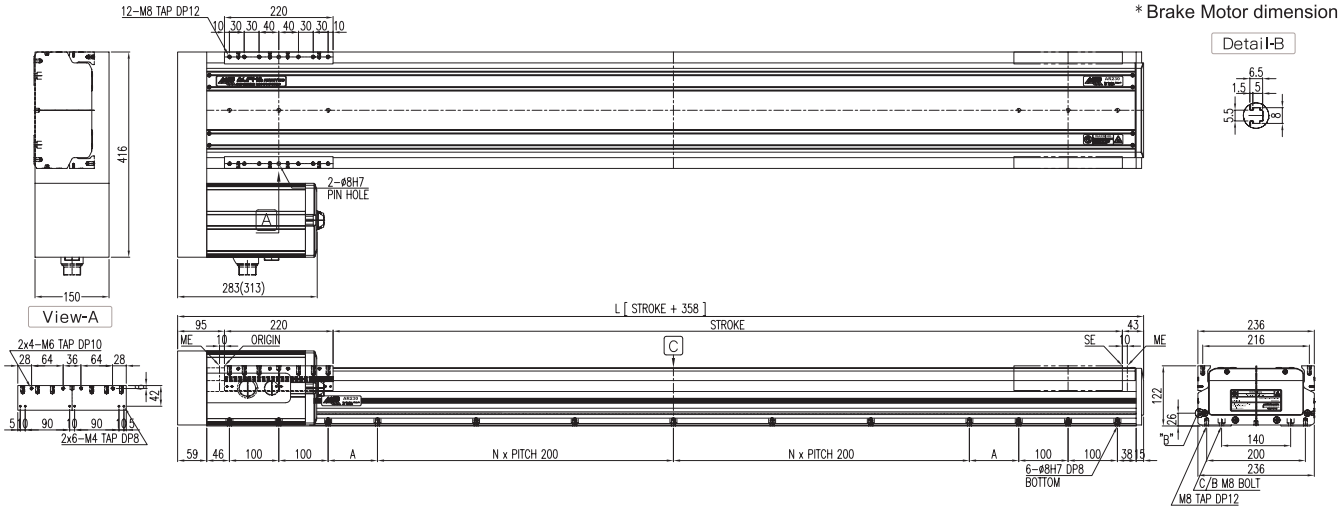
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR230-PR1/2-1KN
AR230-PR1 / AR230-PR2			 
Rated Output		W	1000W, 2000 min^{-1}
Max. Speed	Note1	mm/s	330 (660)
Max. Load	Note2	kg	H:150 (150) V:140 (80)
Stroke Range		mm	200 ~ 2000
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

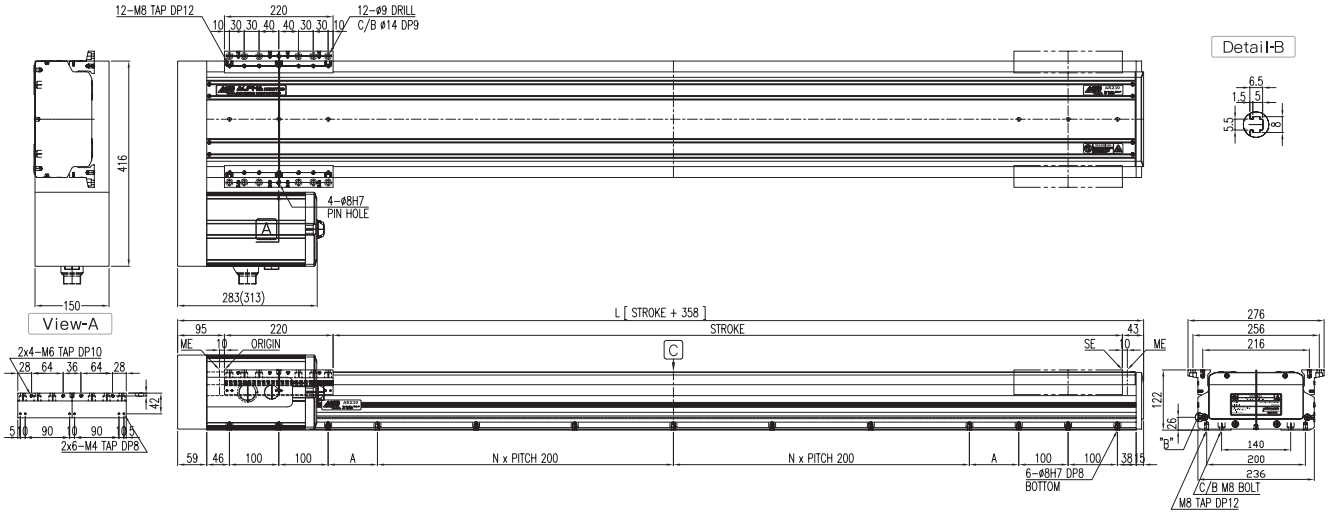
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	510	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000	780	580	465
		45°	754	507	377	299
		90°	1000	780	580	460
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
		Life in traveled distance : 30000 km				

AR230-PR1

* All dimensions in mm
* Brake Motor dimension



AR230-PR2



Weight

Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
AR230-PR-1KN	kg	41.8	44.7	47.6	50.5	53.4	56.3	59.2	62.0	64.9	67.8	2.89

Speed

Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
AR230-PR-N	mm/s	330										Note4
AR230-PR-H	mm/s	660										Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ※ME : Mechanical End ※SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

Model | AR230-S | AR230-PL | AR230-PR | **AR230-PU**

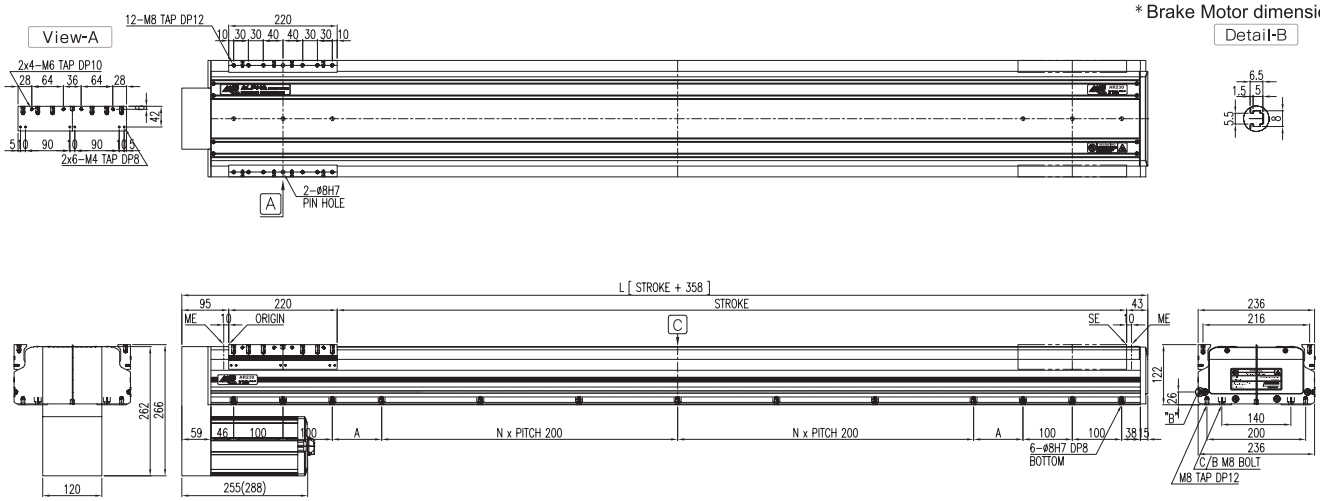
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR230-PU1/2-75N
AR230-PU1			AR230-PU2
Rated Output		W	750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)
Max. Load	Note2	kg	H:150 (90) / V:60 (38)
Stroke Range		mm	200 ~ 2000
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

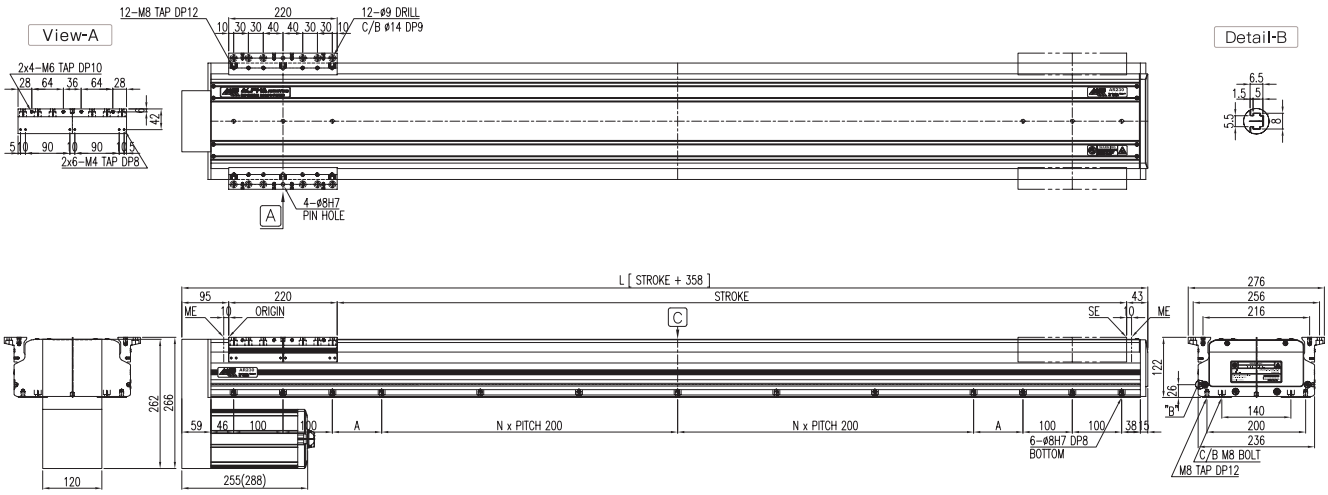
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	510	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000	780	580	465
		45°	754	507	377	299
		90°	1000	780	580	460
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

AR230-PU1

* All dimensions in mm
* Brake Motor dimension



AR230-PU2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR230-PU-75N	kg	26.0	28.9	31.8	34.7	37.5	40.4	43.3	46.2	49.1	52.0	2.89
Speed	AR230-PU-N	mm/s	500							478	391	325	Note4
	AR230-PU-H	mm/s	1000							957	782	651	Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. *ME : Mechanical End *SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

Model | AR230-S | AR230-PL | AR230-PR | **AR230-PU**

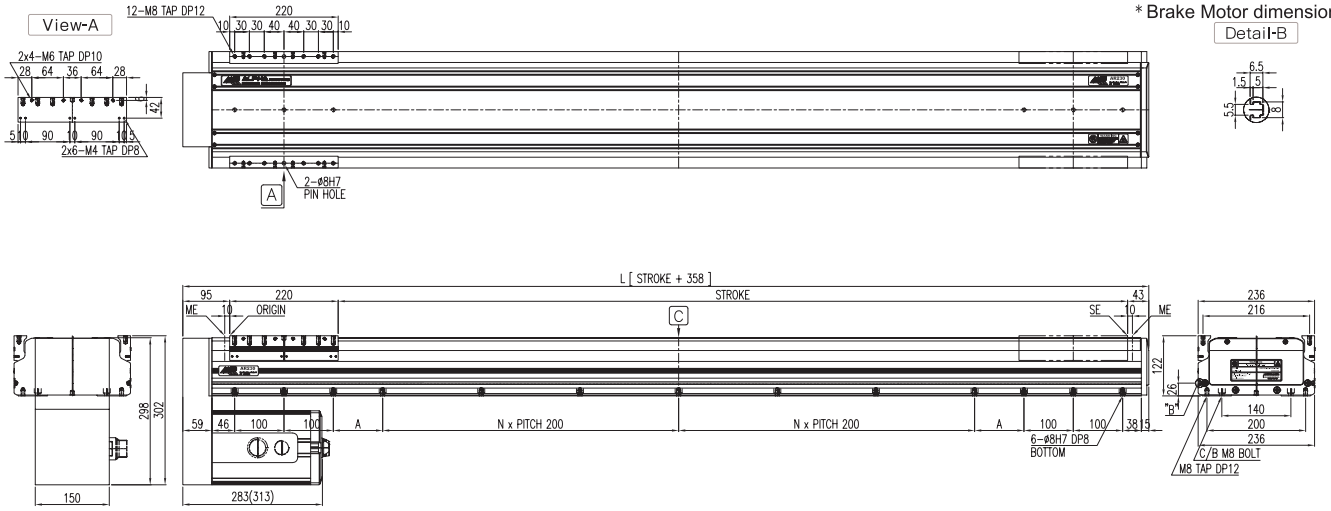
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR230-PU 1/2-1 KN
AR230-PU1			AR230-PU2
Rated Output		W	1000W, 2000 min⁻¹
Max. Speed	Note1	mm/s	330 (660)
Max. Load	Note2	kg	H:150 (150) V:140 (80)
Stroke Range		mm	200 ~ 2000
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

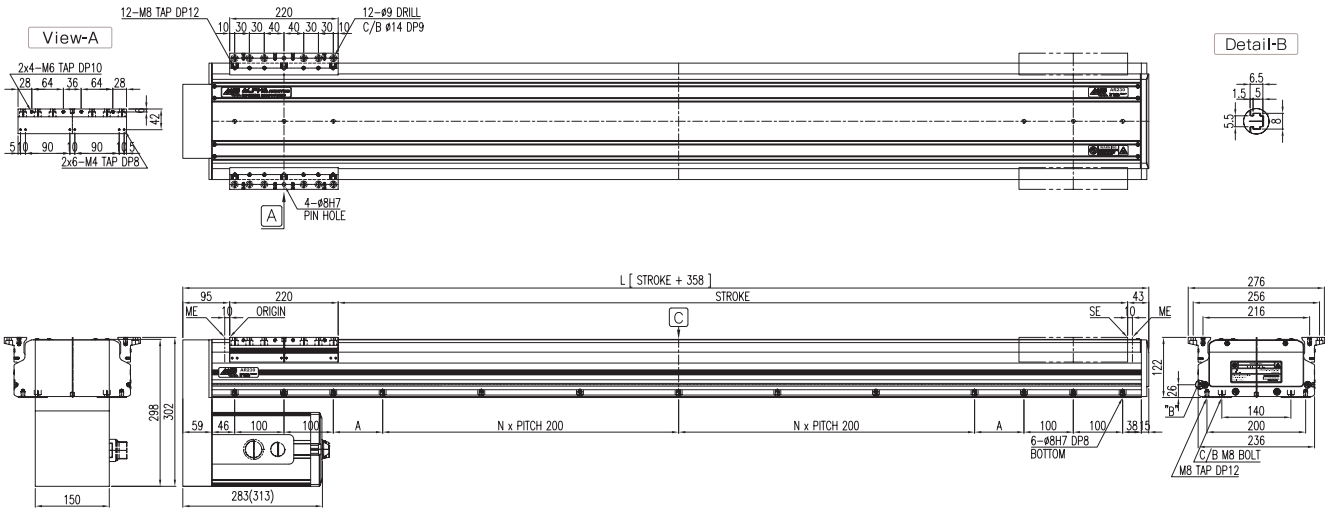
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	510	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000	780	580	465
		45°	754	507	377	299
		90°	1000	780	580	460
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s²)			
		Life in traveled distance : 30000 km				

AR230-PU1

* All dimensions in mm
* Brake Motor dimension



AR230-PU2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR230-PU-1KN	kg	39.0	41.9	44.8	47.7	50.6	53.5	56.4	59.3	62.2	65.1	2.89
Speed	AR230-PU-N	mm/s	330										Note4
	AR230-PU-H	mm/s	660										Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. *ME : Mechanical End *SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

Model | **AR300-S** | AR300-PL | AR300-PR | AR300-PU

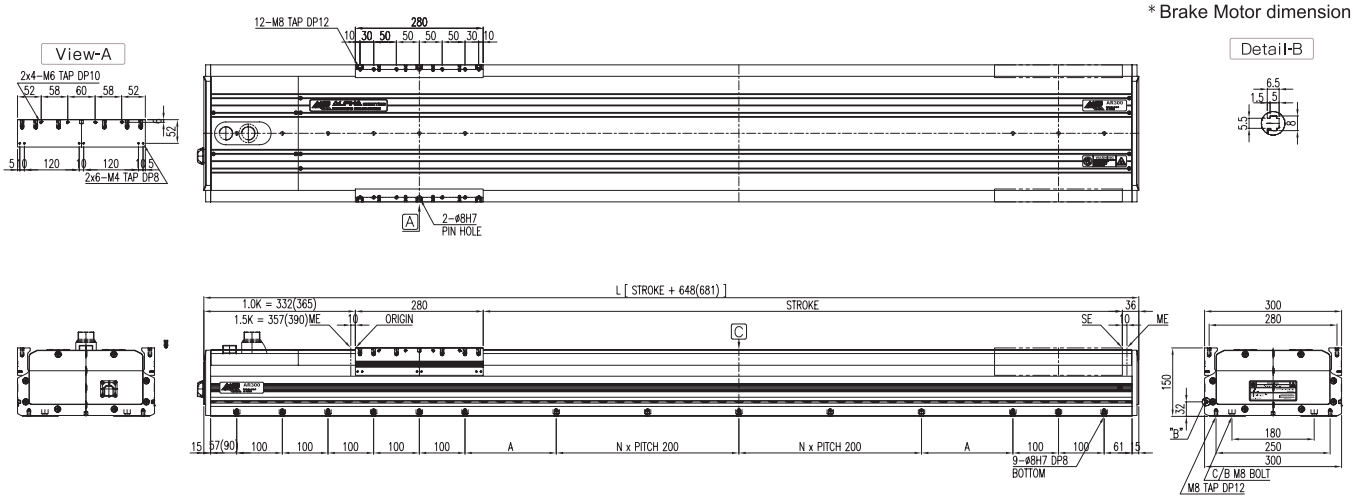
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR300-S1/2-1KN/1.5KN	
AR300-S1				
AR300-S2				
Rated Output		W	1000W, 2000 min-1	1500W, 2000 min-1
Max. Speed	Note1	mm/s	330 (660)	
Max. Load	Note2	kg	H:200 (180) V:150 (75)	H:200 (200) V:180 (120)
Stroke Range		mm	200 ~ 2000	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

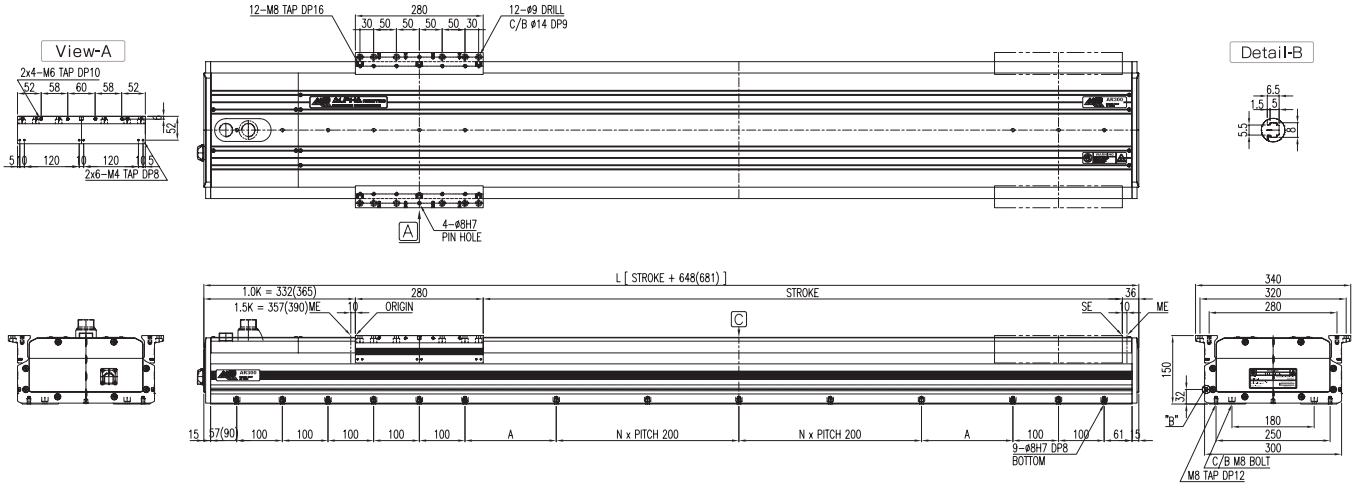
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	80	120	160	200
Allowable Overhang Distance - mm	Horizontal Use		0°	1200	1195	870	675
			45°	1200	1200	1038	804
			90°	1200	1200	1200	1200
	Wall Installation Use		0°	1200	1090	795	615
			45°	1170	761	553	429
			90°	1200	1200	910	710
	Vertical Use		0°	1200	1200	900	720
			45°	1170	780	585	468
			90°	1200	1200	900	720
Note3	Estimated Condition		Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s²)			
			Life in traveled distance : 30000 km				

AR300-S1

* All dimensions in mm
* Brake Motor dimension



AR300-S2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR300-S-1KN	kg	77.5	82.3	87.2	92.0	96.9	101.7	106.5	111.4	116.2	121.1	4.84
	AR300-S-1,5KN	kg	79.5	84.3	89.2	94.0	98.9	103.7	108.5	113.4	118.2	123.1	4.84
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR300-S-N	mm/s	330										Note4
	AR300-S-H	mm/s	660										Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. *ME : Mechanical End *SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

Model | AR300-S | **AR300-PL** | AR300-PR | AR300-PU

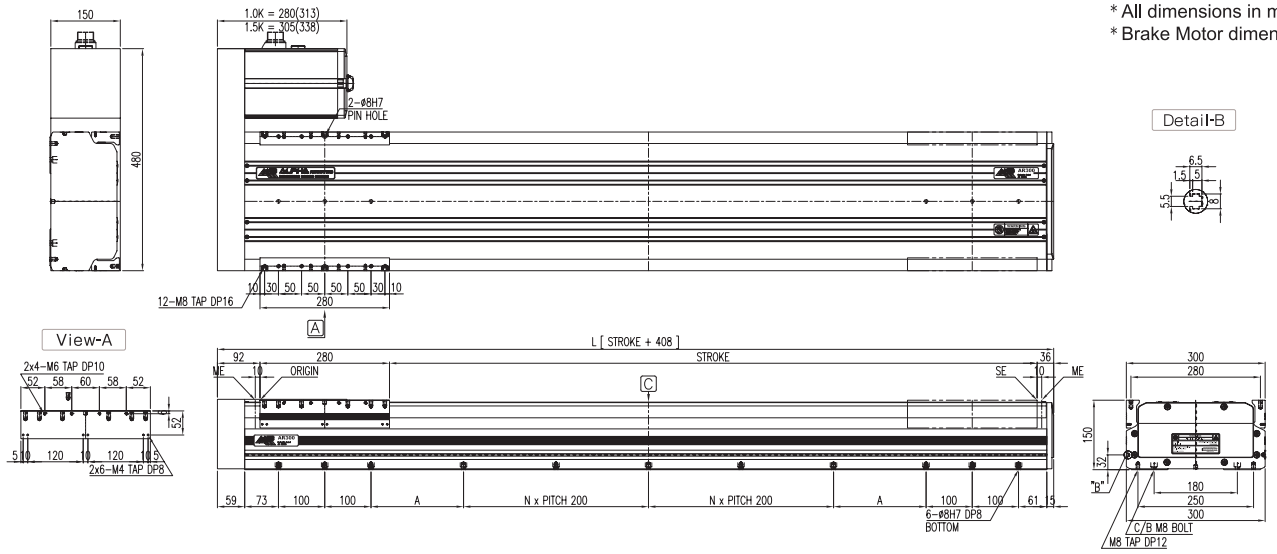
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR300-PL1/2-1KN/1.5KN
AR300-PL1 / AR300-PL2			
Rated Output		W	1000W, 2000 min⁻¹ / 1500W, 2000 min⁻¹
Max. Speed	Note1	mm/s	330 (660)
Max. Load	Note2	kg	H:200 (180) V:150 (75) / H:200 (200) V:180 (120)
Stroke Range		mm	200 ~ 2000
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

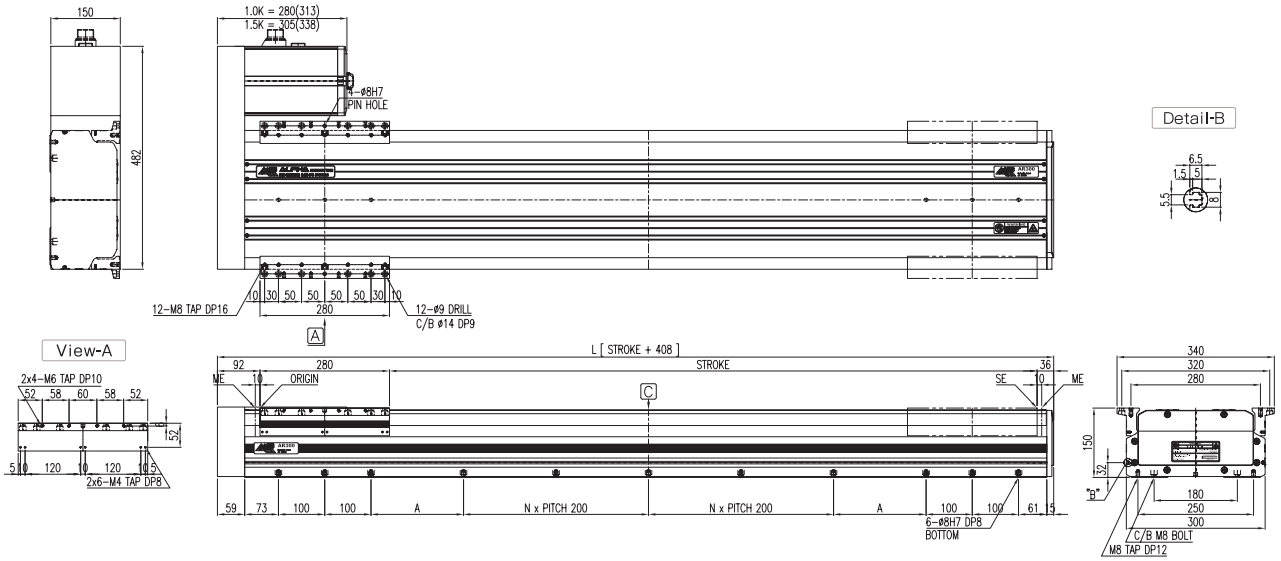
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	80	120	160	200
Allowable Overhang Distance - mm	Horizontal Use	0°	1200	1195	870	675
		45°	1200	1200	1038	804
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	1200	1090	795	615
		45°	1170	761	553	429
		90°	1200	1200	910	710
	Vertical Use	0°	1200	1200	900	720
		45°	1170	780	585	468
		90°	1200	1200	900	720
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s²)			
		Life in traveled distance : 30000 km				

AR300-PL1

* All dimensions in mm
* Brake Motor dimension



AR300-PL2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR300-PL-1KN	kg	62.8	67.7	72.5	77.3	82.2	87.0	91.9	96.7	101.5	106.4	4.84
	AR300-PL-1.5KN	kg	64.8	69.7	74.5	79.3	84.2	89.0	93.9	98.7	103.5	108.4	4.84
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR300-PL-N	mm/s	330										Note4
	AR300-PL-H	mm/s	660										Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. -ME : Mechanical End -SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

Model	AR300-S	AR300-PL	AR300-PR	AR300-PU				

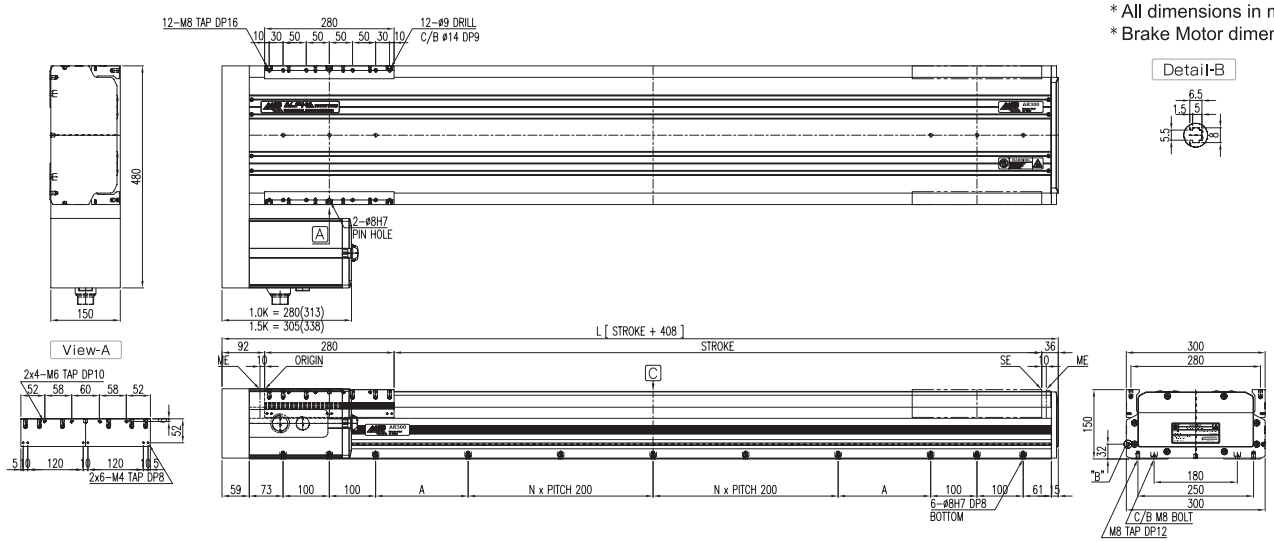
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	AR300-PR1/2-1KN/1.5KN
AR300-PR1 / AR300-PR2		 
Rated Output	W	1000W, 2000 min⁻¹ / 1500W, 2000 min⁻¹
Max. Speed Note1	mm/s	330 (660)
Max. Load Note2	kg	H:200 (180) V:150 (75) / H:200 (200) V:180 (120)
Stroke Range	mm	200 ~ 2000
Repeatability	mm	± 0.02
Drive Type	-	BALL SCREW

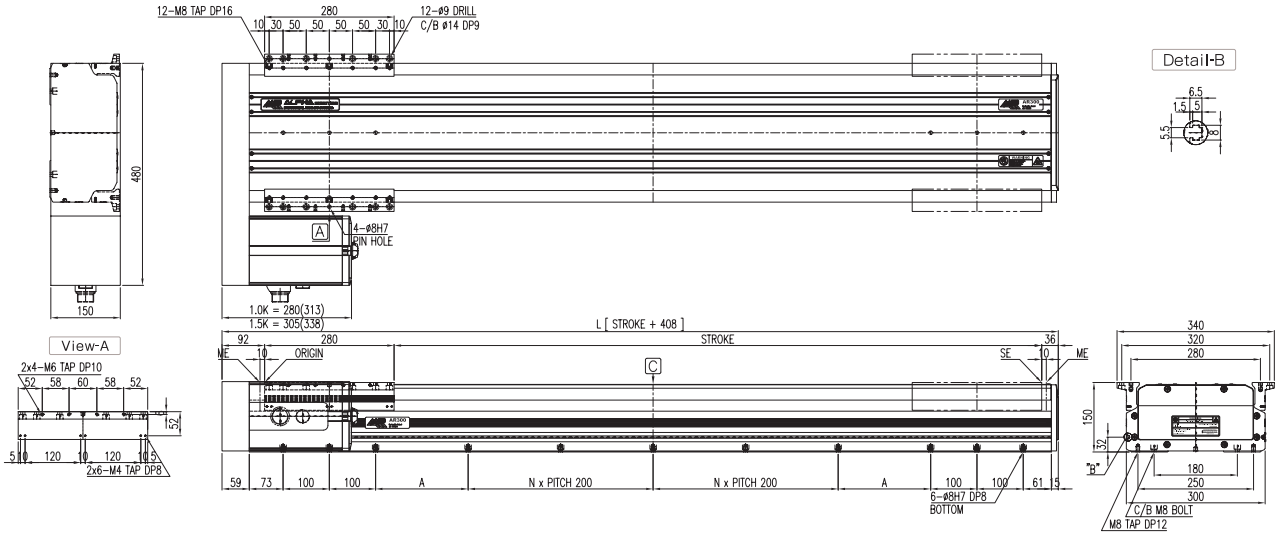
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	80	120	160	200
Allowable Overhang Distance - mm	Horizontal Use	0°	1200	1195	870	675
		45°	1200	1200	1038	804
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	1200	1090	795	615
		45°	1170	761	553	429
		90°	1200	1200	910	710
	Vertical Use	0°	1200	1200	900	720
		45°	1170	780	585	468
		90°	1200	1200	900	720
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s²)			
		Life in traveled distance : 30000 km				

AR300-PR1

* All dimensions in mm
* Brake Motor dimension



AR300-PR2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR300-PR-1KN	kg	62.8	67.7	72.5	77.3	82.2	87.0	91.9	96.7	101.5	106.4	4.84
	AR300-PR-1.5KN	kg	64.8	69.7	74.5	79.3	84.2	89.0	93.9	98.7	103.5	108.4	4.84
Speed	AR300-PR-N	mm/s	330										Note4
	AR300-PR-H	mm/s	660										Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. ·ME : Mechanical End ·SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.

Model | AR300-S | AR300-PL | AR300-PR | **AR300-PU**

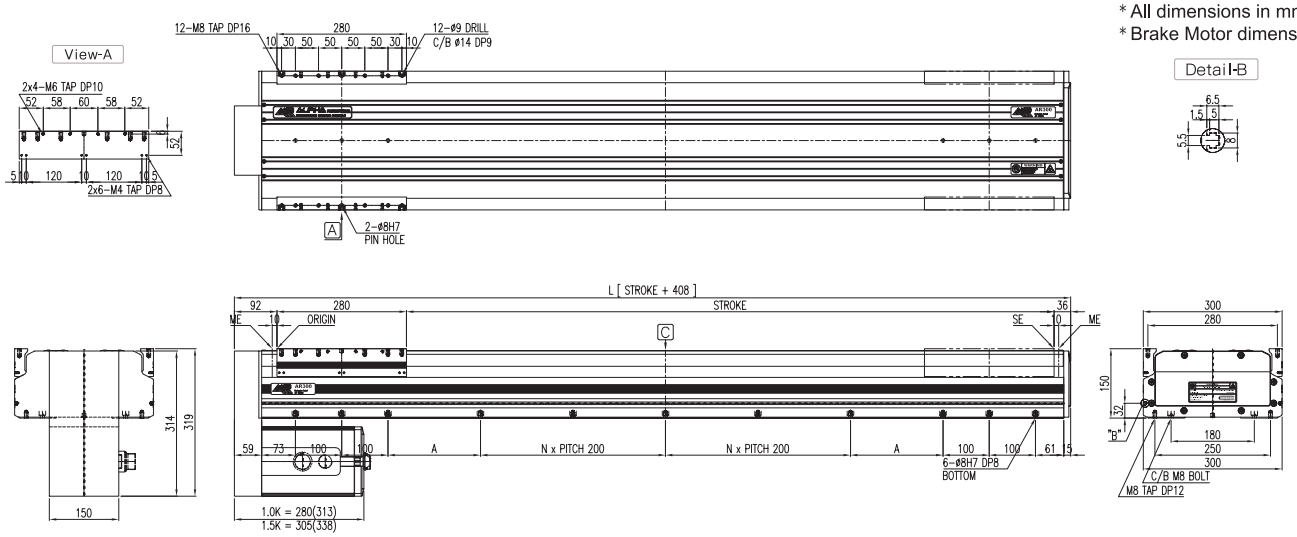
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR300-PU1/2-1KN/1.5KN
AR300-PU1			AR300-PU2
Rated Output		W	1000W, 2000 min-1 / 1500W, 2000 min-1
Max. Speed	Note1	mm/s	330 (660)
Max. Load	Note2	kg	H:200 (180) V:150 (115) / H:200 (200) V:180 (120)
Stroke Range		mm	200 ~ 2000
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

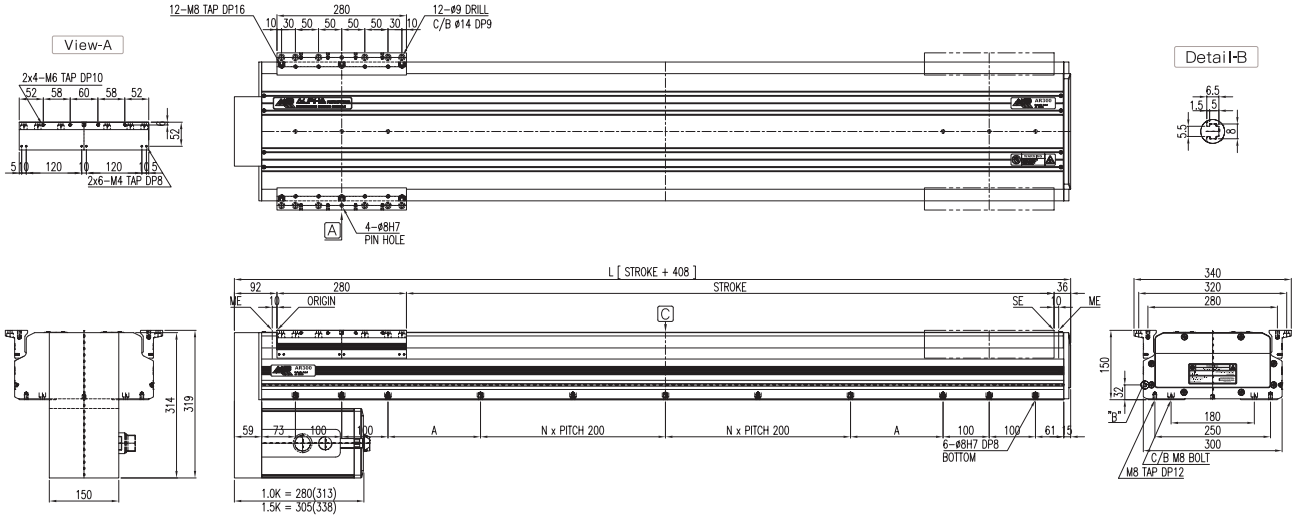
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	80	120	160	200
Allowable Overhang Distance - mm	Horizontal Use	0°	1200	1195	870	675
		45°	1200	1200	1038	804
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	1200	1090	795	615
		45°	1170	761	553	429
		90°	1200	1200	910	710
	Vertical Use	0°	1200	1200	900	720
		45°	1170	780	585	468
		90°	1200	1200	900	720
Note3	Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s²)			
		Life in traveled distance : 30000 km				

AR300-PU1

* All dimensions in mm
* Brake Motor dimension



AR300-PU2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AR300-PU-1KN	kg	62.8	67.7	72.5	77.3	82.2	87.0	91.9	96.7	101.5	106.4	4.84
	AR300-PU-1.5KN	kg	64.8	69.7	74.5	79.3	84.2	89.0	93.9	98.7	103.5	108.4	4.84
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR300-PU-N	mm/s	330										Note4
	AR300-PU-H	mm/s	660										Note4

⚠ CAUTION

Please be careful of surrounding interference when it is returning to origin because of the slide moves to ME. *ME : Mechanical End *SE : Stroke End
Standard stroke changes by 50mm distance, and values of "A" change by 25, 50, 75, 100, 125, 150, 175, 200

NOTE1 In case of the short stroke, it may not be reached at maximum speed.
NOTE2 It is changed by operating conditions.
NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
NOTE4 Regarding speed of over 1,000 stroke products which are not listed on the table, please refer the Specification (20.9page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(20.9page) for diameter 25 of Ball Screw.