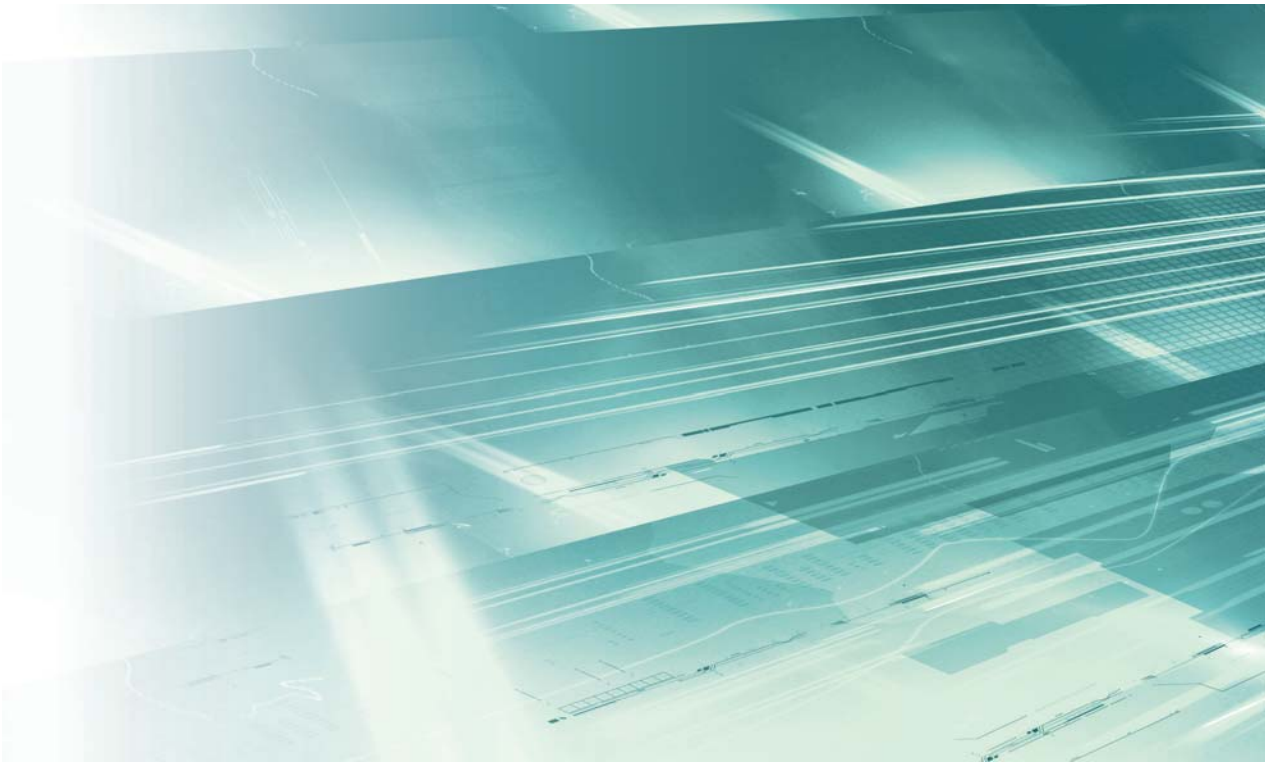
Alpha Standard Robot

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

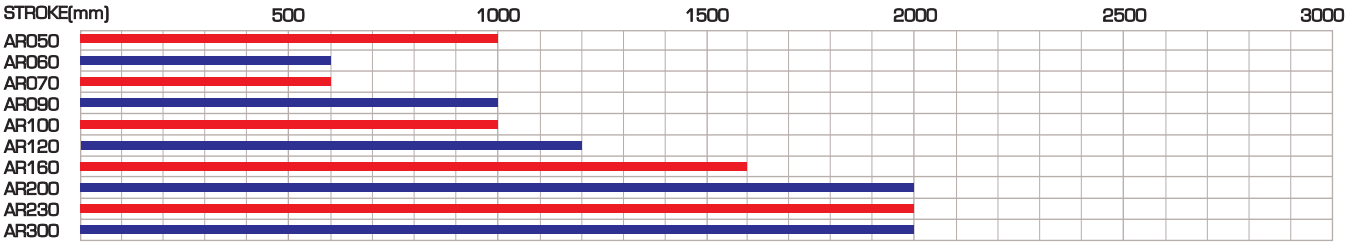
8 CABLE LENGTH

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

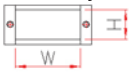
2 Attaching Type

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

* 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	*1 116	R110 ~ R120	*2 146	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

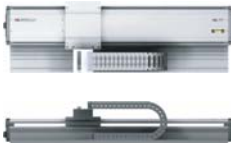
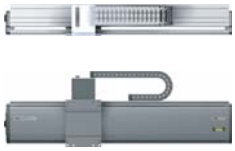
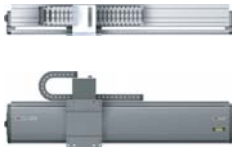
* Please do not hesitate to contact us when the cable is applied more than 10m.

B ORDER INFORMATION - OPTIONS

2 3 4 5 Cableveyor Selecting Options

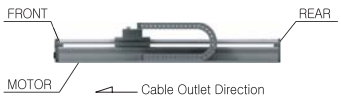
Series	Applicable Type			
	Horizontal	Wall Hanging	Rear	Double
AR	●	●	●	

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				

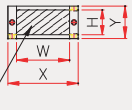
3

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		External dimentions		Radius	Capacity (mm²)	Selecting Item	Internal dimentions		External dimentions		Radius	Capacity (mm²)	Selecting Item	Internal dimentions		External dimentions		Radius	Capacity (mm²)
	H	W	Y	X	R	NOTE2 Origin		H	W	Y	X	R	NOTE2 Origin		H	W	Y	X	R	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		60		79.5	55	1740	K		60		80	55	1680
C		55		75	86	1540	H		80		99.5	75	2320	L		80		100	75	2240
D		75		95	116	2100	I		100		119.5	95	2900	M		100		120	95	2800
E		100		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%

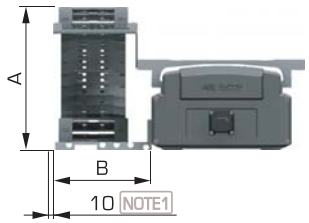
주의

*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

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

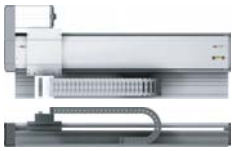
L R Left - Rear

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

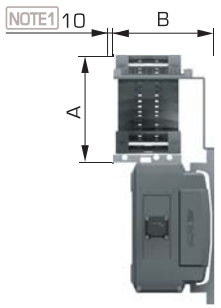
R R Right - Rear

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.
NOTE2 빈칸의 케이블베어 장착은 영업점 및 폐사에 문의 바랍니다.

B ORDER INFORMATION

2 W Wall Hanging Type

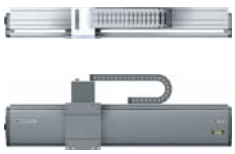


BASE SIZE	CABLEVEYOR		S1		S2	
	Bending radius R	Internal dimentions	A	B	A	B
AR050	R045	35, 40	186	98	186	98
		55, 60	186	118	186	118
AR060	-	-	-	-	-	-
		-	-	-	-	-
AR070	-	-	-	-	-	-
		-	-	-	-	-
AR090	R055	35, 40	150	98	150	98
		55, 60	150	118	150	118
AR100	R055	35, 40	150	98	150	98
		55, 60	150	118	150	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

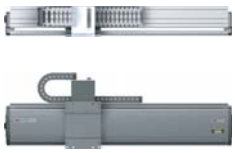
S type

L F Left - Front



R F Right - Front

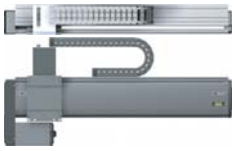
L R Left - Rear



R R Right - Rear

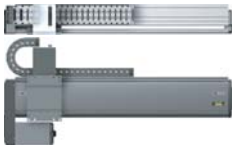
PR type

L F Left - Front



R F Right - Front

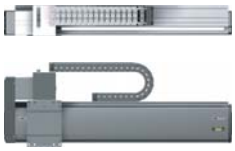
L R Left - Rear



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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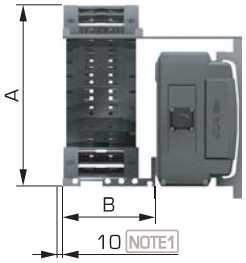
B ORDER INFORMATION

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

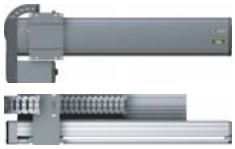
R R Right - Rear

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

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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	Φ15	10	N	500	8	6
		100	Φ15	20	H	1000	2.5	2
	060	100	Φ12	5	L	250	22	15
		100	Φ12	10	N	500	6	4
		100	Φ12	20	H	1000	6	4
	070	100	Φ15	10	N	500	14	8
		100	Φ15	20	H	1000	3.5	3
	090	100	Φ15	10	N	500	8	6
		100	Φ15	20	H	1000	2	2
		200	Φ15	10	N	500	35	20
		200	Φ15	20	H	1000	28	14
	100	100	Φ15	10	N	500	8	6
		100	Φ15	20	H	1000	2	2
		200	Φ15	10	N	500	35	20
		200	Φ15	20	H	1000	28	14
	120	200	Φ15	10	N	500	50	22
		200	Φ15	20	H	1000	28	10
		400	Φ15	10	N	500	50	38
		400	Φ15	20	H	1000	45	20
	160	400	Φ15 ※2	10	N	500	80	40
		400	Φ15 ※2	20	H	1000	30	20
		400	Φ20 ※2	10	N	500	70	35
		400	Φ20 ※2	20	H	1000	25	18
		750	Φ15 ※2	10	N	500	80	45
		750	Φ15 ※2	20	H	1000	70	30
		750	Φ20 ※2	10	N	500	80	45
		750	Φ20 ※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 mm	Max. Stroke ※5 (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	Page no.
±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 mm	Max. Stroke ※5 (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	Page no.
±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				

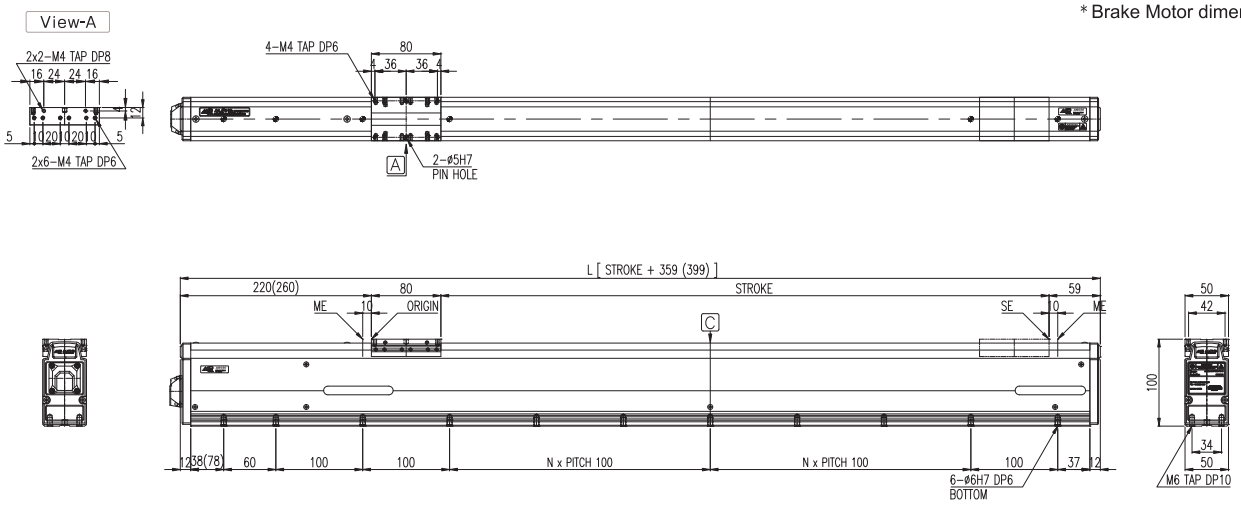
Specification		Unit	AR050-S1(PL1)-10N	
AR050-S1			AR050-PL1	
Rated Output		W	100W, 3000 min^{-1}	
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:8 (2.5)	V:6 (2)
Stroke Range		mm	100 ~ 800	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

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.

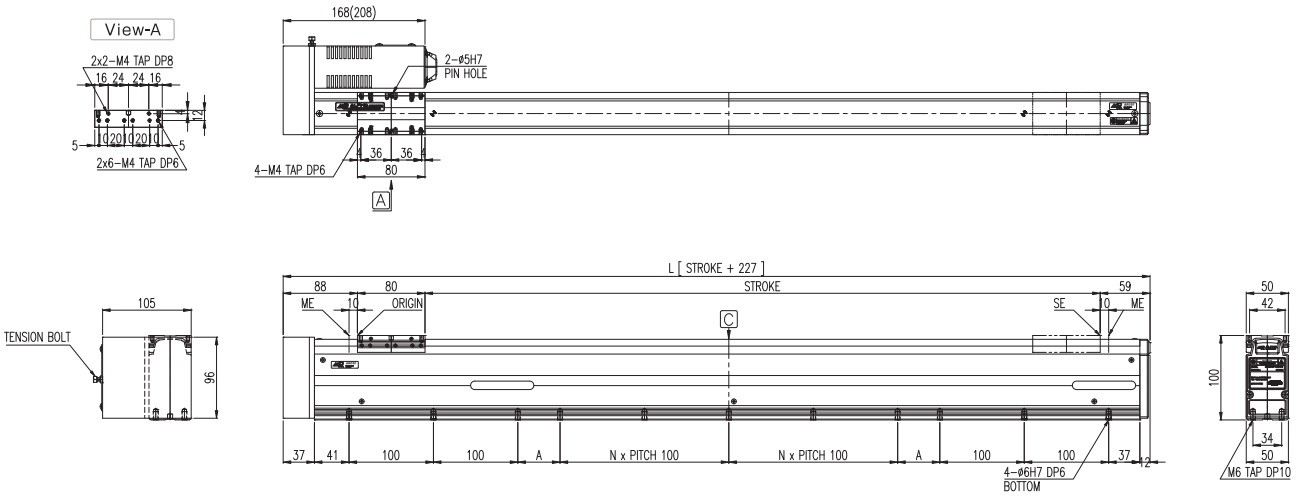
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	10	14
Allowable Overhang Distance - mm	Horizontal Use	0°	278	136	79	55
		45°	275	135	78	55
		90°	300	300	300	300
	Wall Installation Use	0°	300	300	300	300
		45°	245	116	65	43
		90°	258	123	69	46
	Vertical Use	0°	300	184	110	79
		45°	230	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-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	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	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				

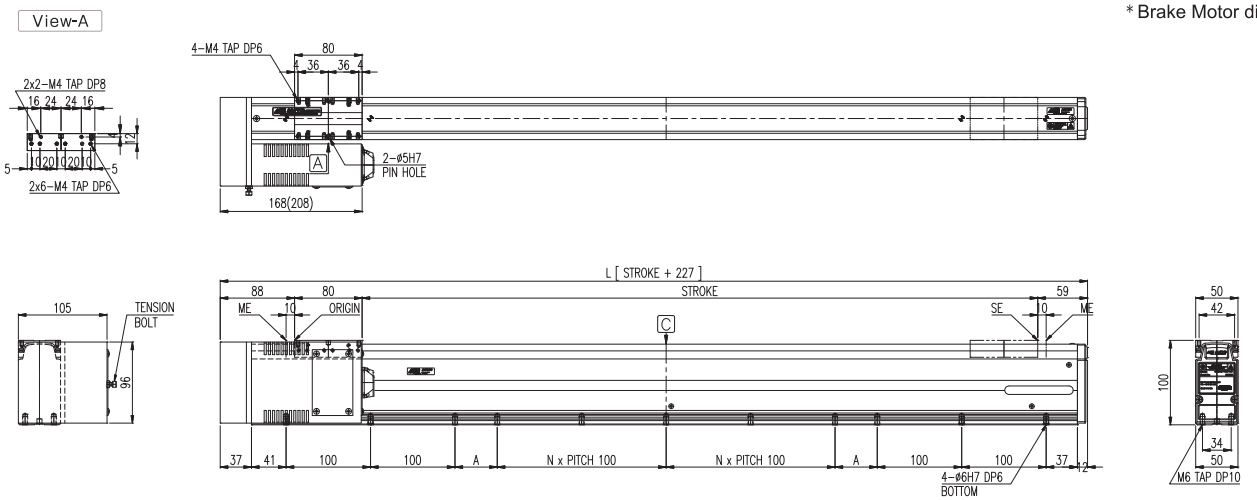
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

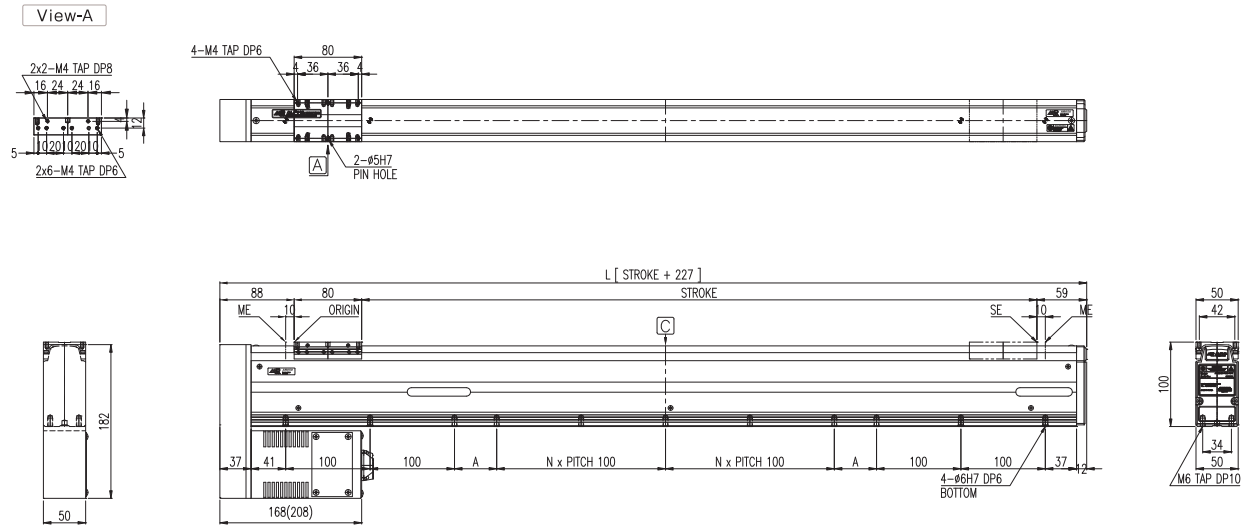
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	3	6	10	14
Note3 Allowable Overhang Distance - mm	Horizontal Use	0°		278	136	79	55
		45°		275	135	78	55
		90°		300	300	300	300
	Wall Installation Use	0°		300	300	300	300
		45°		245	116	65	43
		90°		258	123	69	46
	Vertical Use	0°		300	184	110	79
		45°		230	114	69	49
		90°		300	226	136	97
	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



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	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			

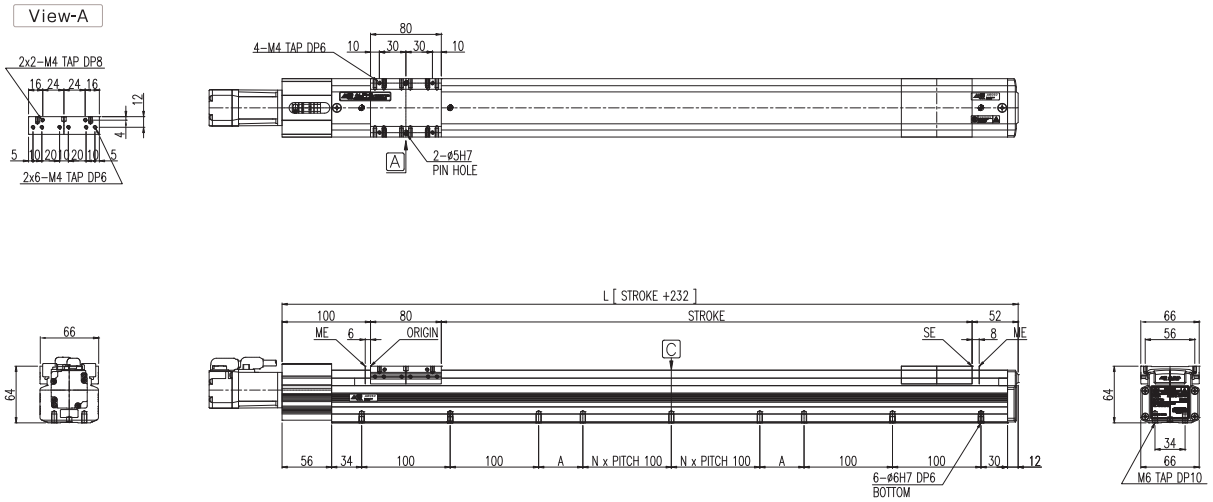
Specification		Unit	AR060-SN1/2-10N	
AR060-SN1 			AR060-SN2 	
Rated Output		W	100W, 3000 min^{-1}	
Max. Speed	Note1	mm/s	500(1000)	
Max. Load	Note2	kg	H:22 (6)	H:15 (4)
Stroke Range		mm	100 ~ 600	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

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.

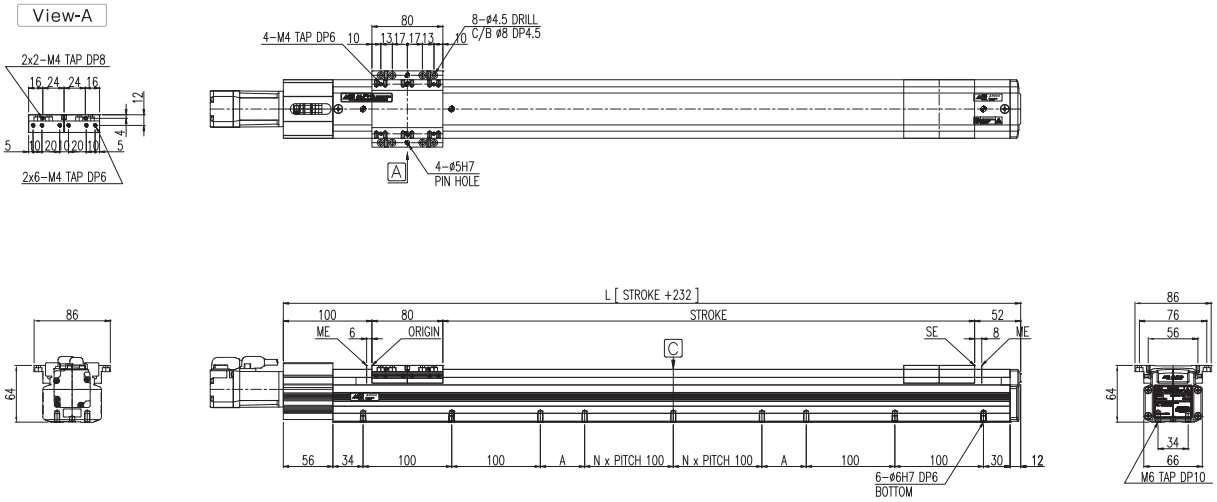
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	10	16
Allowable Overhang Distance - mm (Note3)	Horizontal Use 	0°	335	162	92	53
		45°	320	155	89	51
		90°	350	350	350	350
	Wall Installation Use 	0°	350	350	350	350
		45°	315	154	88	51
		90°	340	165	95	55
	Vertical Use 	0°	350	198	119	74
		45°	210	105	63	40
		90°	350	197	118	74
	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	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	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			

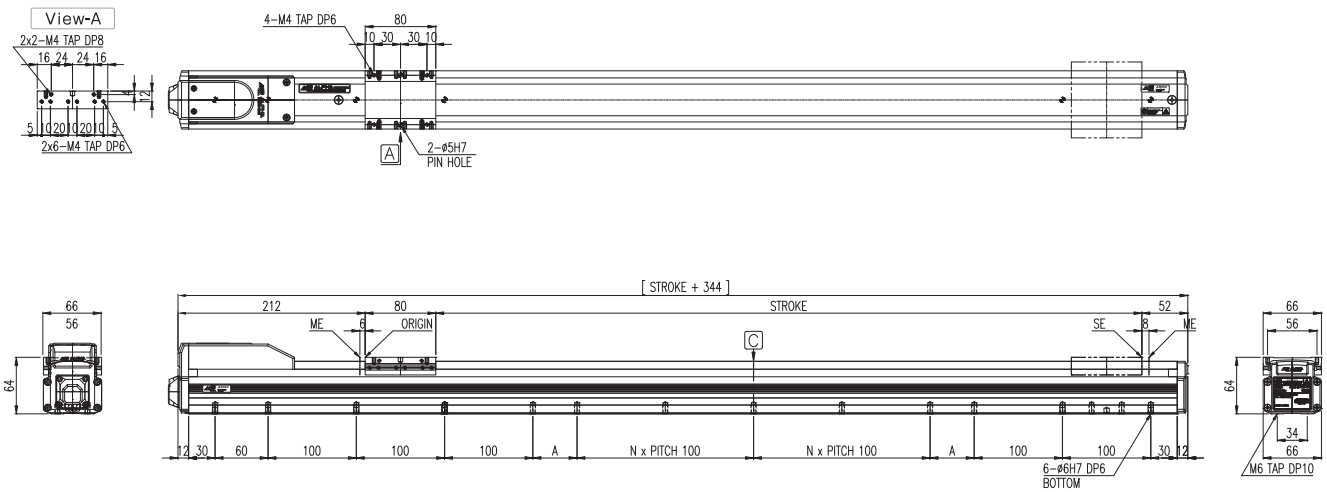
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

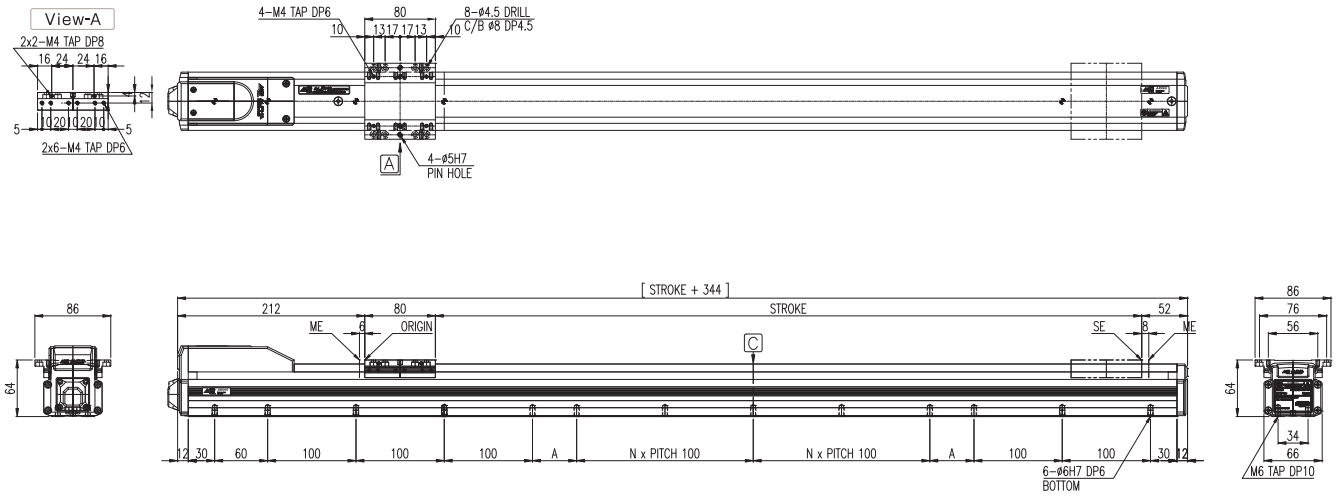
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	10	16
Note3 Allowable Overhang Distance - mm: Horizontal Use 		0°	335	162	92	53
		45°	320	155	89	51
		90°	350	350	350	350
Wall Installation Use 		0°	350	350	350	350
		45°	315	154	88	51
		90°	340	165	95	55
Vertical Use 		0°	350	198	119	74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

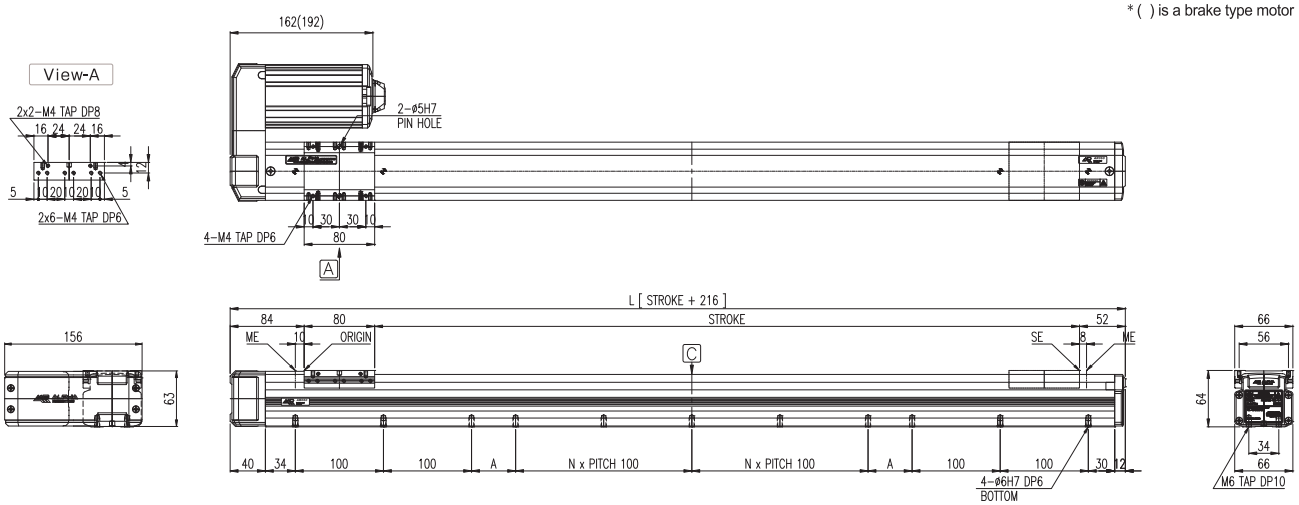
Specification		Unit	AR060-PL1/2-10N	
AR060-PL1 			AR060-PL2 	
Rated Output		W	100W, 3000 min⁻¹	
Max. Speed	Note1	mm/s	500(1000)	
Max. Load	Note2	kg	H:22 (6)	H:15 (4)
Stroke Range		mm	100 ~ 600	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

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.

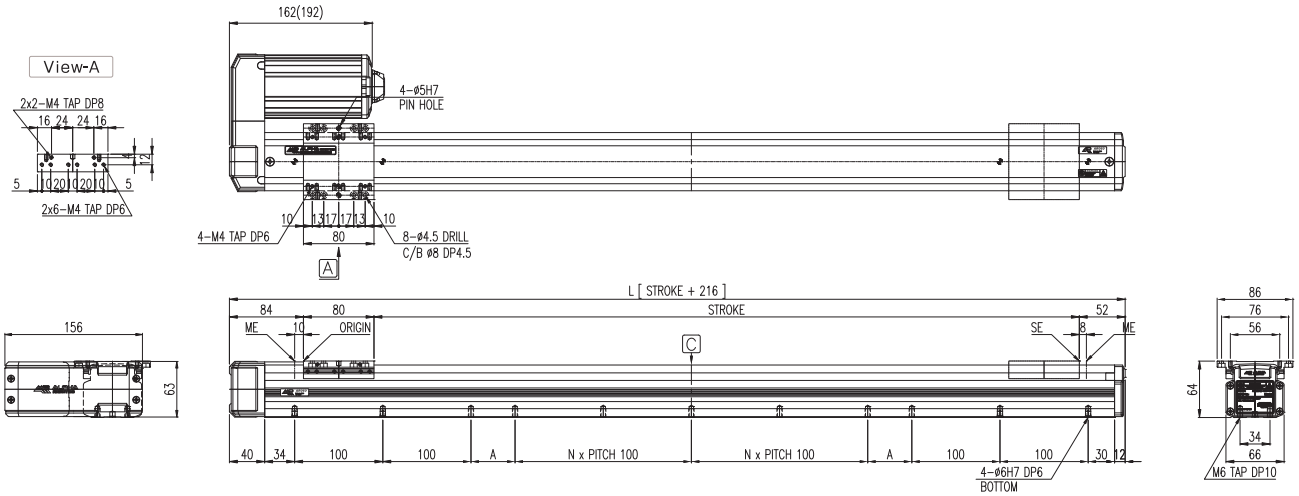
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	10	16
Allowable Overhang Distance - mm	Horizontal Use 	0°	335	162	92	53
		45°	320	155	89	51
		90°	350	350	350	350
	Wall Installation Use 	0°	350	350	350	350
		45°	315	154	88	51
		90°	340	165	95	55
	Vertical Use 	0°	350	198	119	74
		45°	210	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

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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			

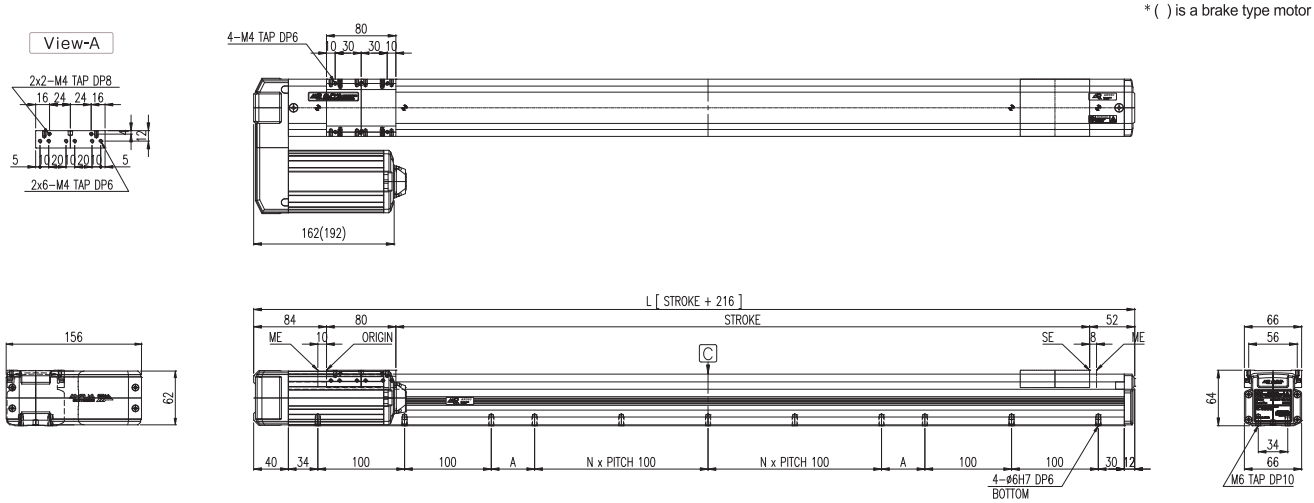
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR060-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	

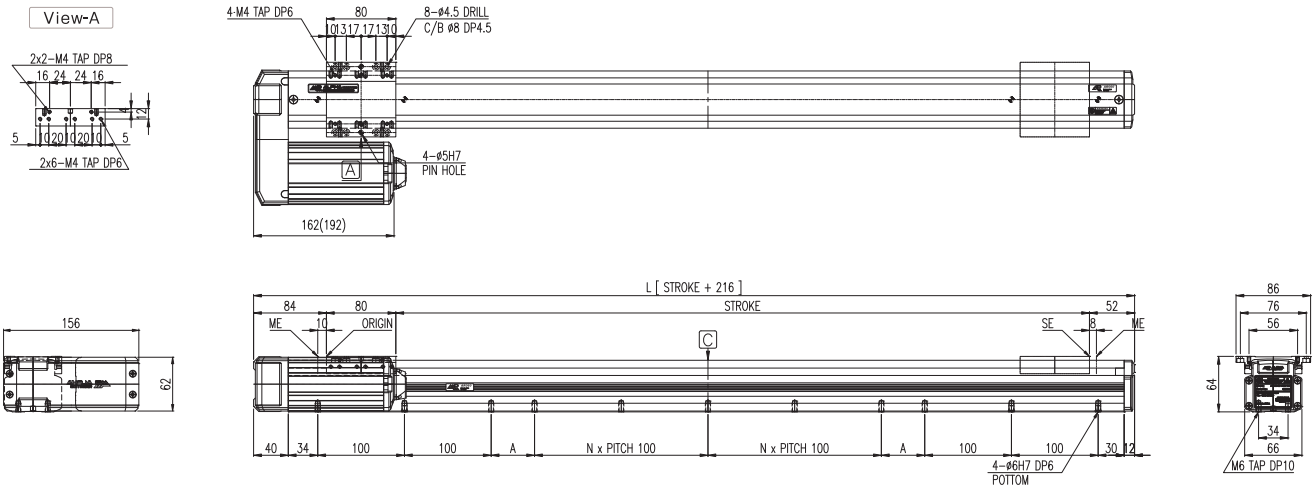
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	10	16
Note3 Allowable Overhang Distance - mm	Horizontal Use 	0°	335	162	92	53
		45°	320	155	89	51
		90°	350	350	350	350
	Wall Installation Use 	0°	350	350	350	350
		45°	315	154	88	51
		90°	340	165	95	55
	Vertical Use 	0°	350	198	119	74
		45°	210	105	63	40
		90°	350	197	118	74
	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



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR060-PR-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-PR-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	AR060-SN	AR060-S	AR060-PL	AR060-PR	AR060-PU			

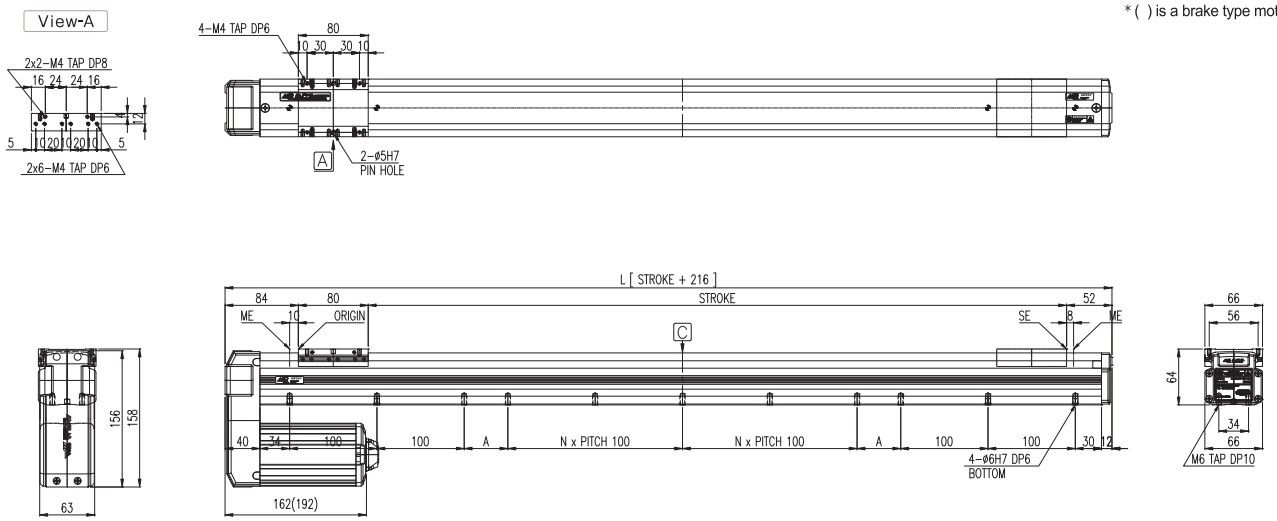
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	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	

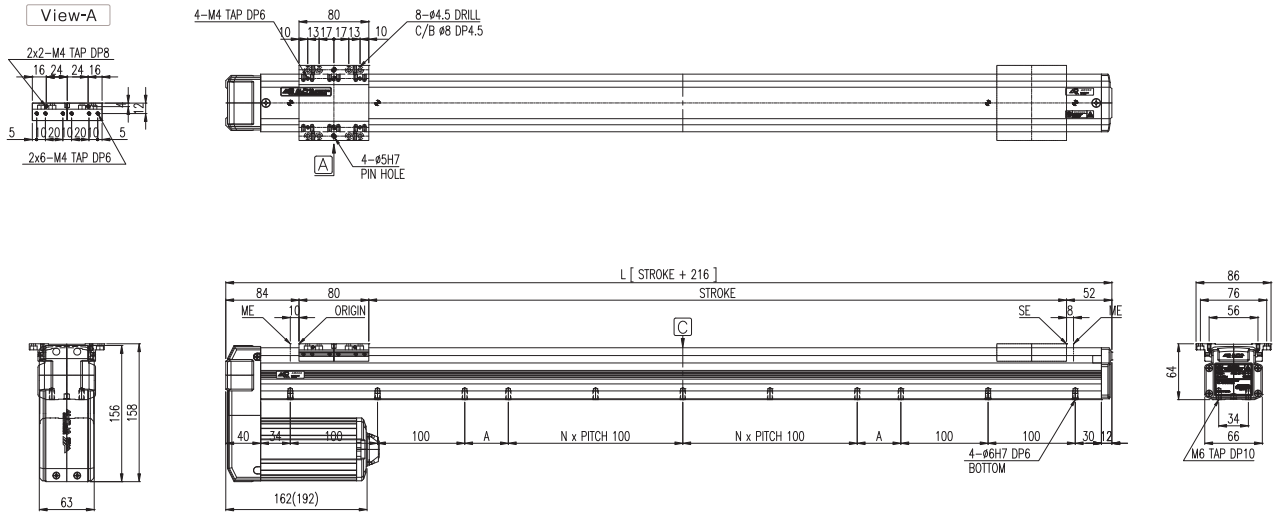
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	10	16
Allowable Overhang Distance - mm	Horizontal Use	0°	335	162	92	53
		45°	320	155	89	51
		90°	350	350	350	350
	Wall Installation Use	0°	350	350	350	350
		45°	315	154	88	51
		90°	340	165	95	55
	Vertical Use	0°	350	198	119	74
		45°	210	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



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR060-PU-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-PU-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	AR070-S1	AR070-PL	AR070-PR	AR070-PU				

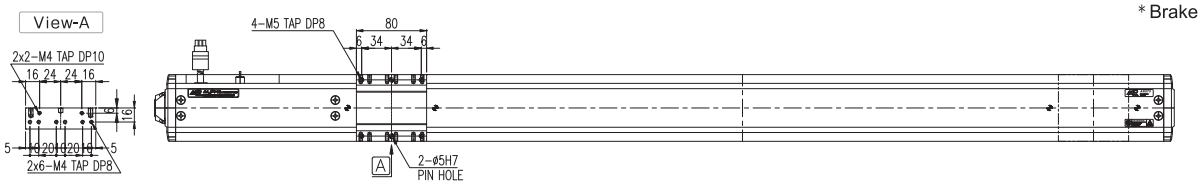
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

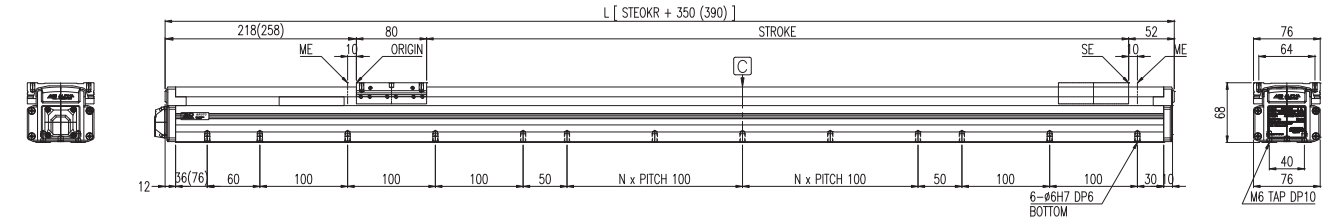
Specification		Unit	AR070-S1/2-10N	
AR070-S1 			AR070-S2 	
Rated Output		W	100W, 3000 min^{-1}	
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:14 (3.5)	V:8 (3)
Stroke Range		mm	100 ~ 600	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

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			

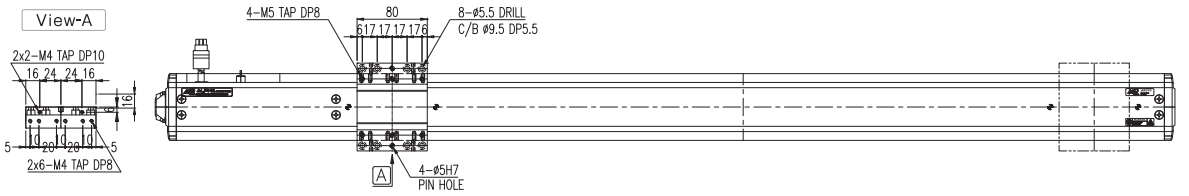
AR070-S1

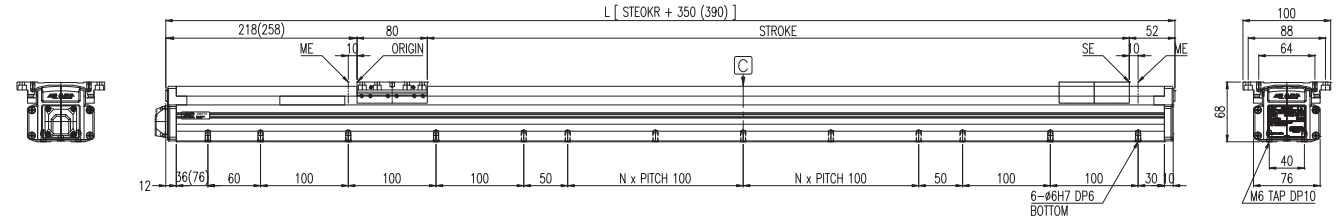
* All dimensions in mm
* Brake Motor dimension





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

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				

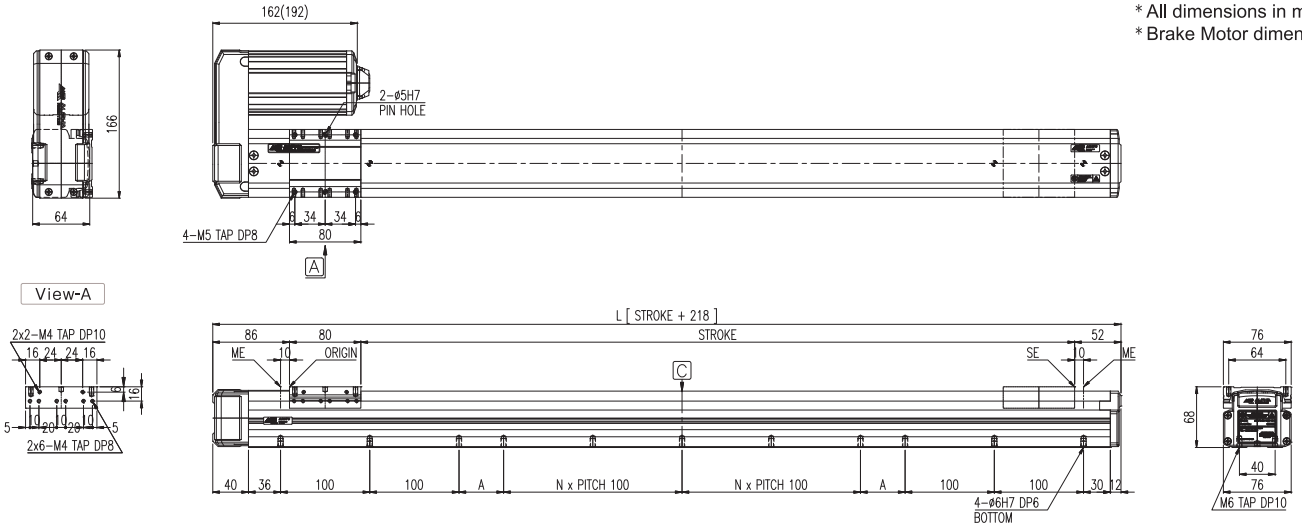
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

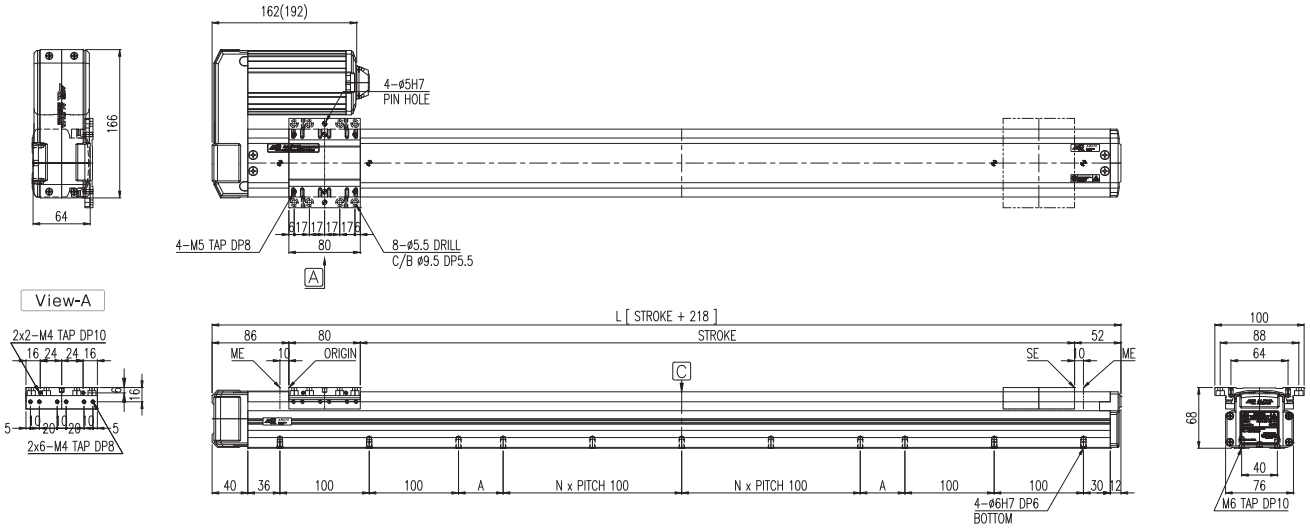
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	3	6	8	13
Allowable Overhang Distance - mm	Horizontal Use		0°	335	161	118	68
			45°	320	155	114	66
			90°	350	350	350	350
	Wall Installation Use		0°	350	350	350	350
			45°	315	152	112	65
			90°	340	164	120	70
	Vertical Use		0°	350	198	148	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/s²)		
			Life in traveled distance : 30000 km				

AR070-PL1

* All dimensions in mm
* Brake Motor dimension



AR070-PL2



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

⚠ CAUTION

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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				

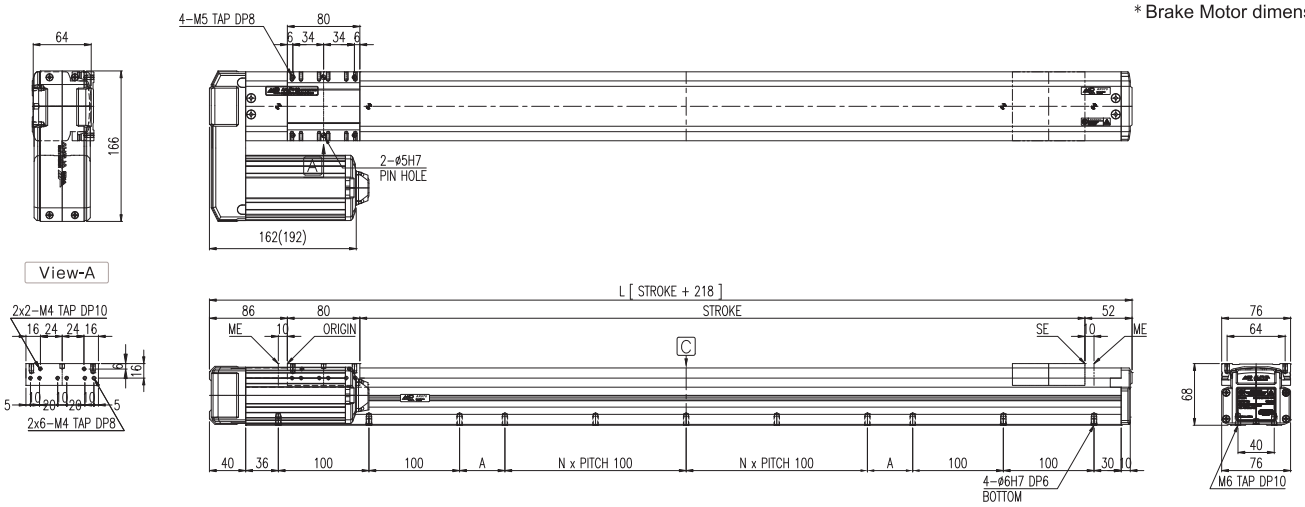
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

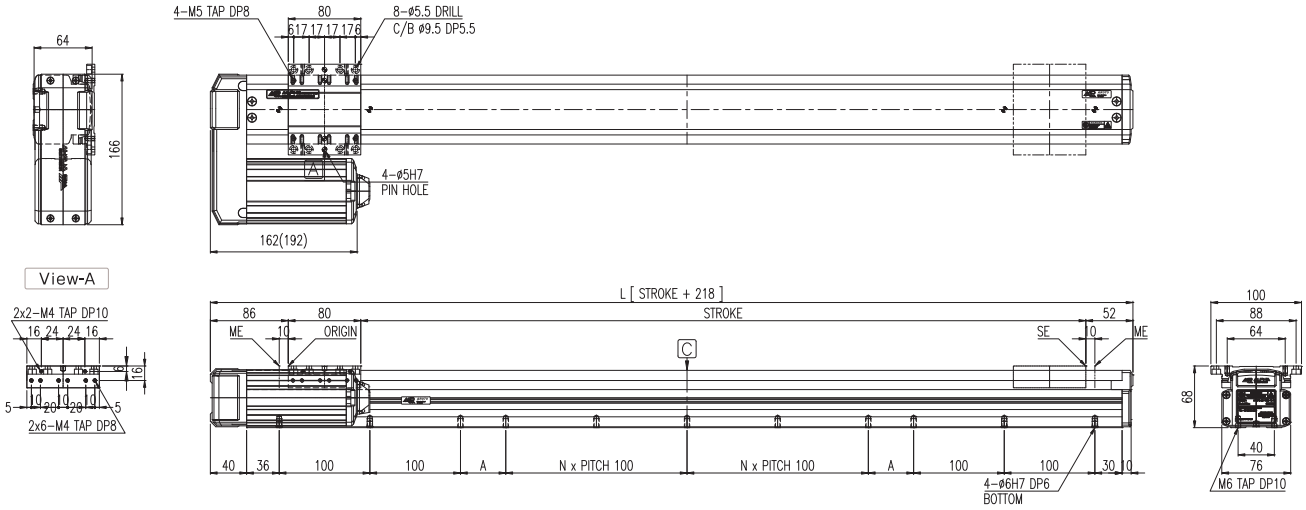
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	8	13
Note3 Allowable Overhang Distance - mm	Horizontal Use 	0°	335	161	118	68
		45°	320	155	114	66
		90°	350	350	350	350
	Wall Installation Use 	0°	350	350	350	350
		45°	315	152	112	65
		90°	340	164	120	70
	Vertical Use 	0°	350	198	148	91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

AR070-PR1

* All dimensions in mm
* Brake Motor dimension



AR070-PR1



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

⚠ 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.
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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				

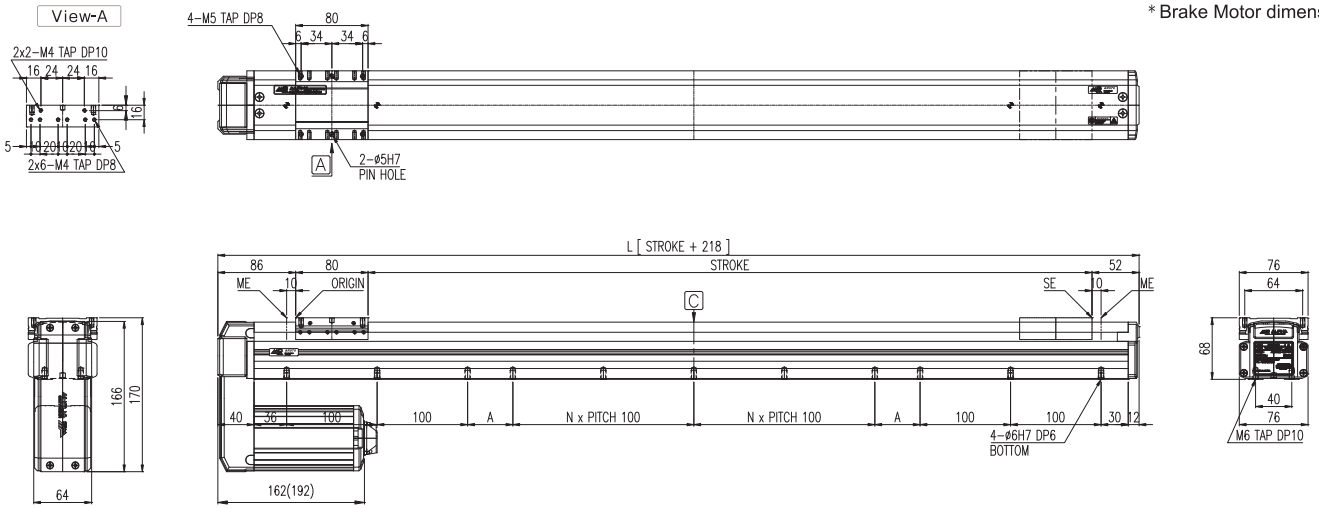
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

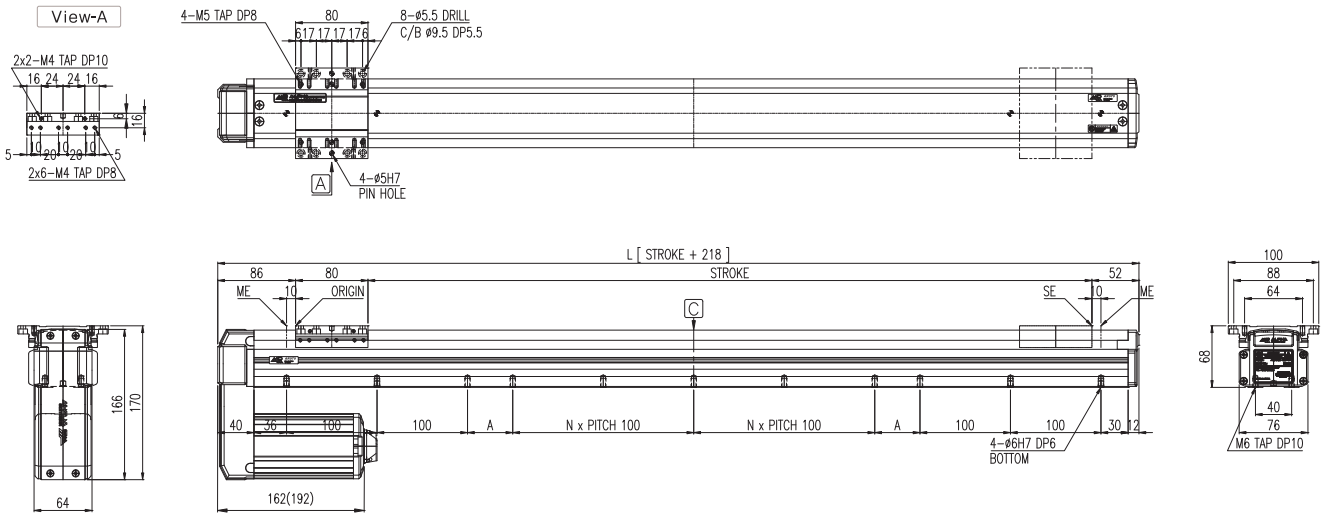
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	3	6	8	13
Allowable Overhang Distance - mm: Horizontal Use 		0°	335	161	118	68
		45°	320	155	114	66
		90°	350	350	350	350
Wall Installation Use 		0°	350	350	350	350
		45°	315	152	112	65
		90°	340	164	120	70
Vertical Use 		0°	350	198	148	91
		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/s²)		
		Life in traveled distance : 30000 km				

AR070-PU1

* All dimensions in mm
* Brake Motor dimension



AR070-PU2



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

⚠ CAUTION

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

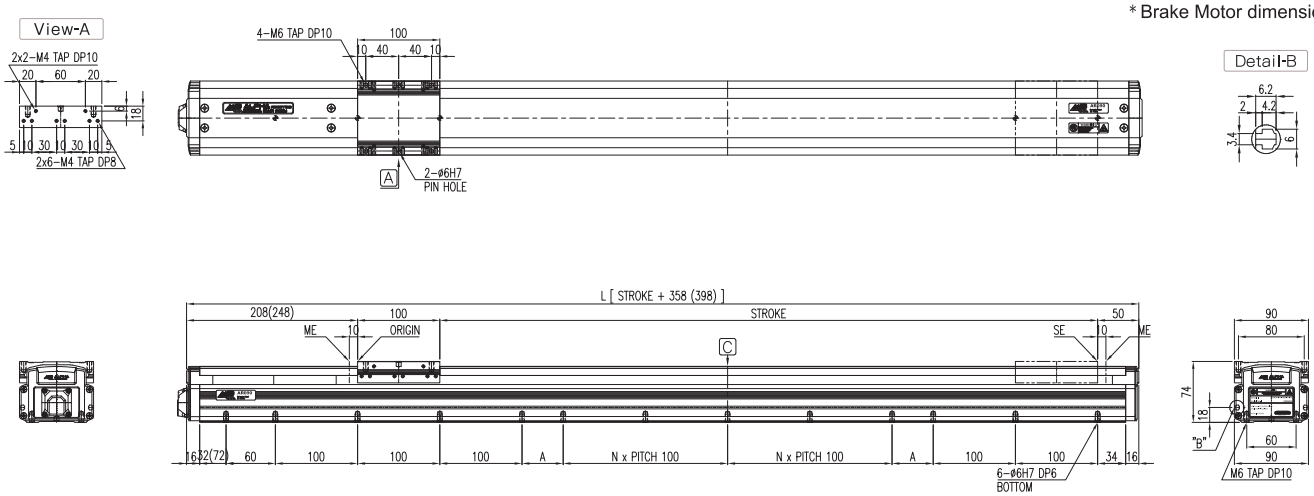
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	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	

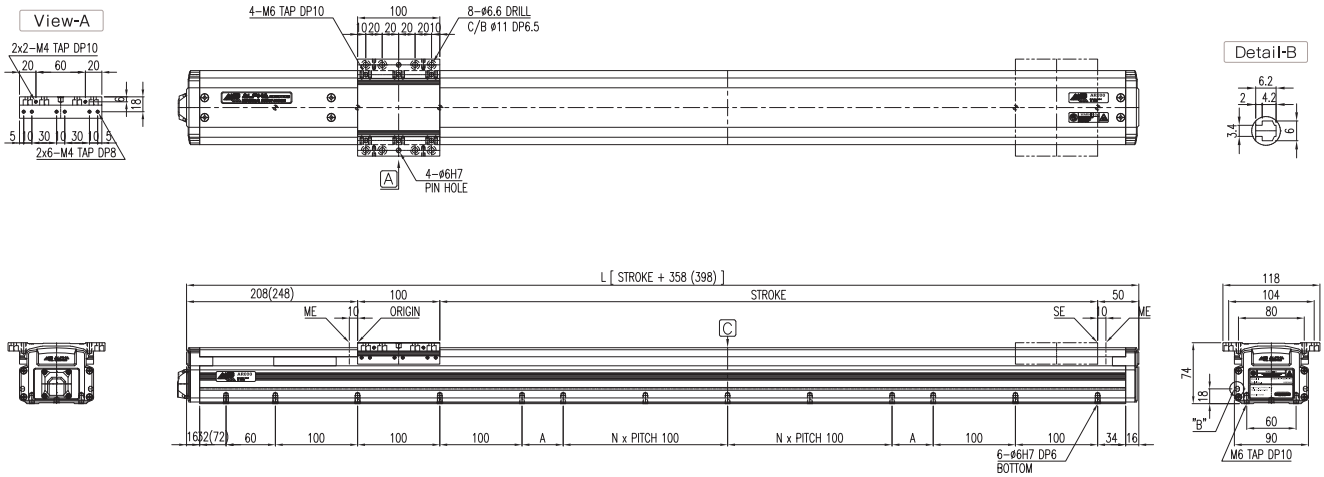
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Note3 Allowable Overhang Distance - mm	Horizontal Use 	0°	450	260	121	74
		45°	450	242	114	70
		90°	450	450	450	450
	Wall Installation Use 	0°	450	450	450	445
		45°	450	240	112	70
		90°	450	268	125	77
	Vertical Use 	0°	450	245	123	82
		45°	260	130	65	44
		90°	450	243	122	81
	Estimated Condition	Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)		
		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-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	

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

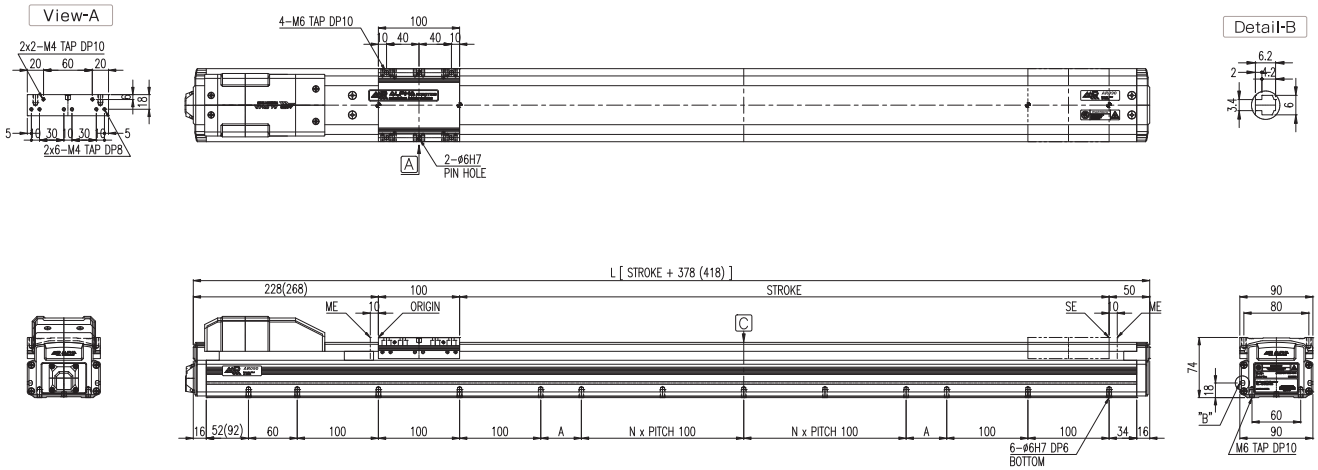
Specification		Unit	AR090-S1/2-20N	
AR090-S1 			AR090-S2 	
Rated Output		W	200W, 3000 min^{-1}	
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:35 (28)	V:20 (14)
Stroke Range		mm	100 ~ 1000	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

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.

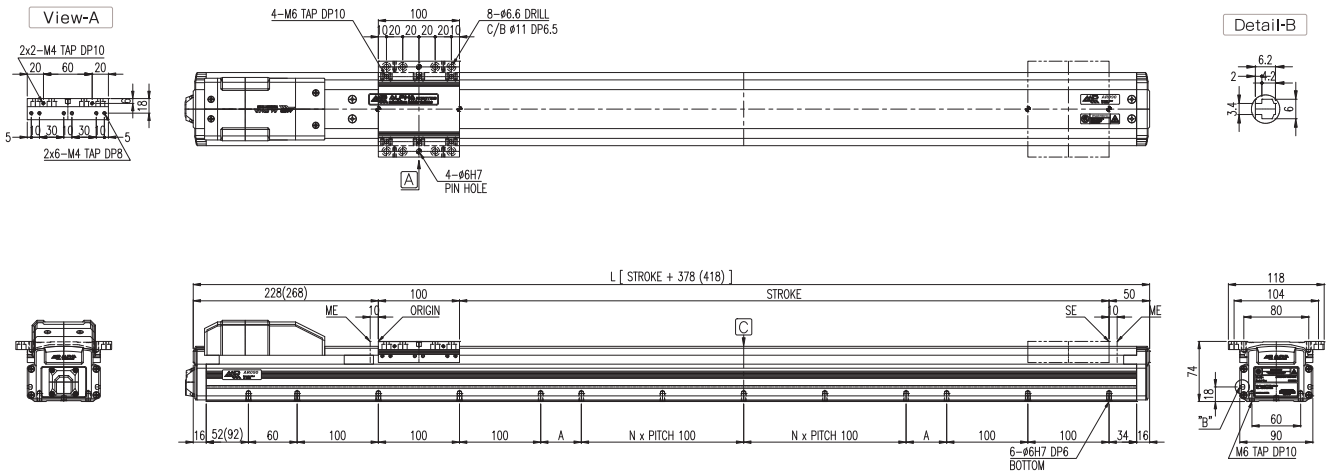
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Allowable Overhang Distance - mm	Horizontal Use 	0°	450	260	121	74
		45°	450	242	114	70
		90°	450	450	450	450
	Wall Installation Use 	0°	450	450	450	445
		45°	450	240	112	70
		90°	450	268	125	77
	Vertical Use 	0°	450	245	123	82
		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/s²)	
			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-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	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	

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

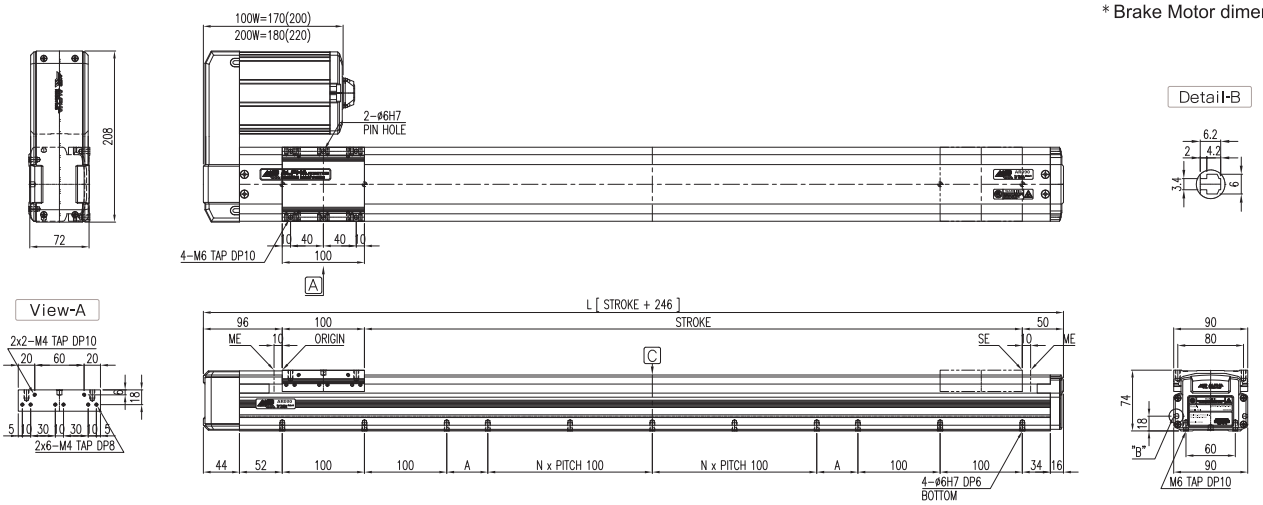
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	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	

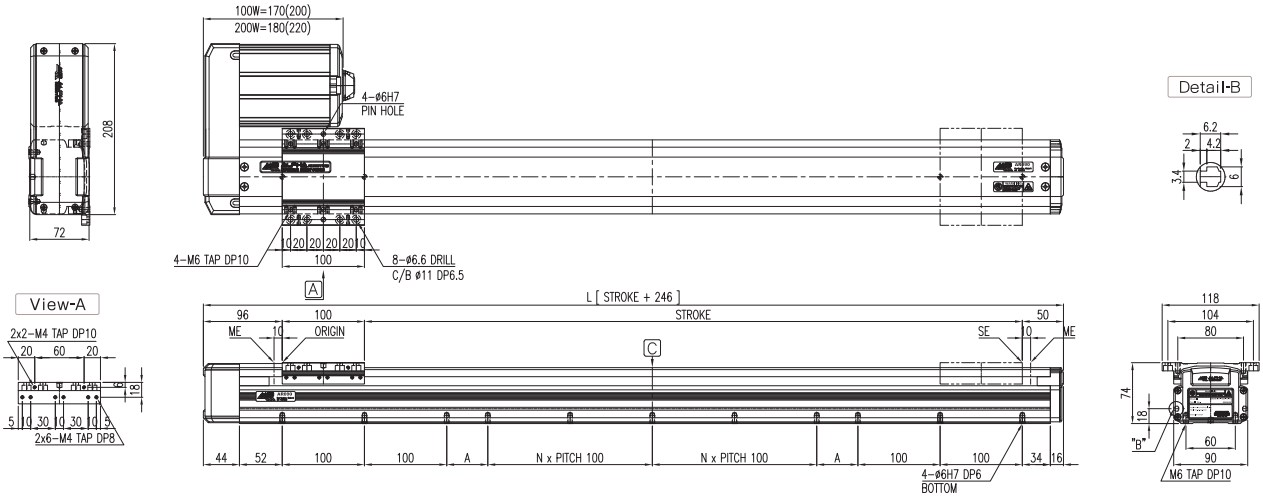
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Note3 Allowable Overhang Distance - mm	Horizontal Use 	0°	450	260	121	74
		45°	450	242	114	70
		90°	450	450	450	450
	Wall Installation Use 	0°	450	450	450	445
		45°	450	240	112	70
		90°	450	268	125	77
	Vertical Use 	0°	450	245	123	82
		45°	260	130	65	44
		90°	450	243	122	81
	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)	
			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	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AR090-PL-N	mm/s	500						494	388	313	258	
	AR090-PL-H	mm/s	1000						984	775	627	517	

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SPEC
ARM SERIES
AR SERIES
AG SERIES
AD SERIES
BR SERIES
BG SERIES
DAR SERIES
DBR SERIES
RS SERIES
MR SERIES
ADR SERIES
Technology Material

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

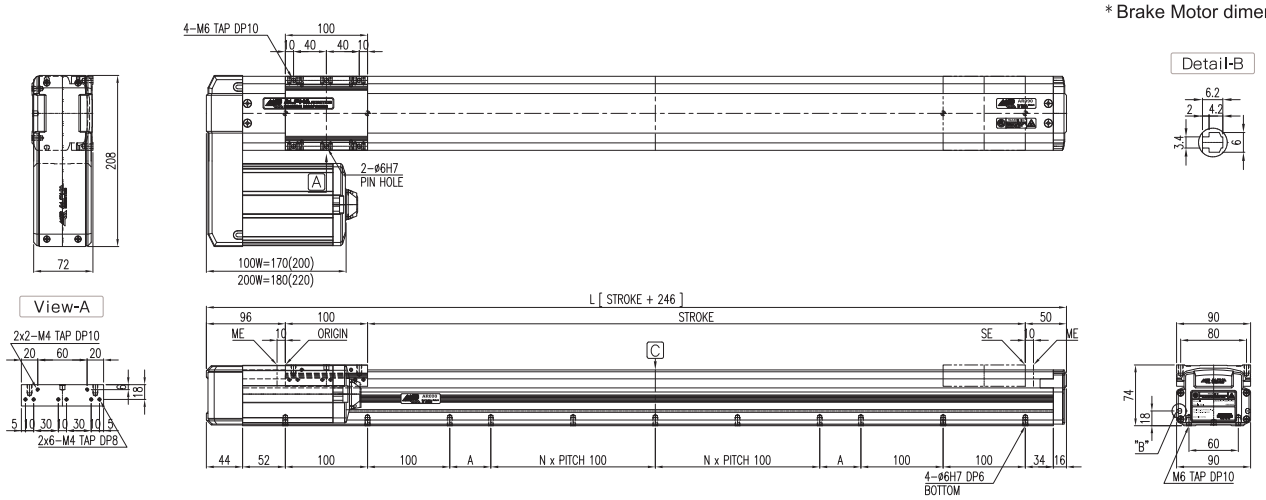
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	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	

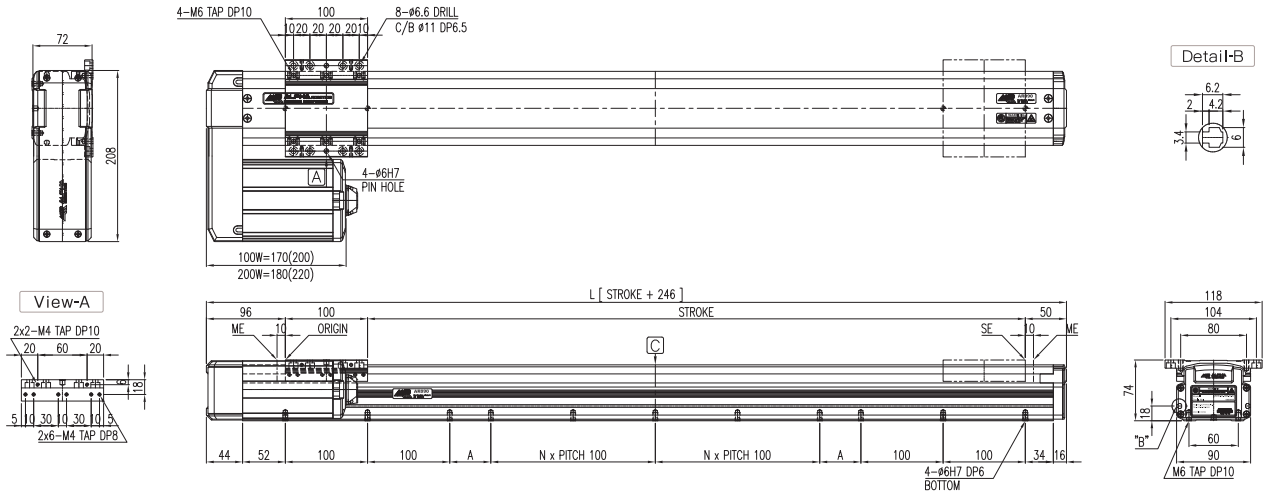
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Allowable Overhang Distance - mm	Horizontal Use 	0°	450	260	121	74
		45°	450	242	114	70
		90°	450	450	450	450
	Wall Installation Use 	0°	450	450	450	445
		45°	450	240	112	70
		90°	450	268	125	77
	Vertical Use 	0°	450	245	123	82
		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/s²)	
			Life in traveled distance : 30000 km			

AR090-PR1

* All dimensions in mm
* Brake Motor dimension



AR090-PR2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	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	

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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				

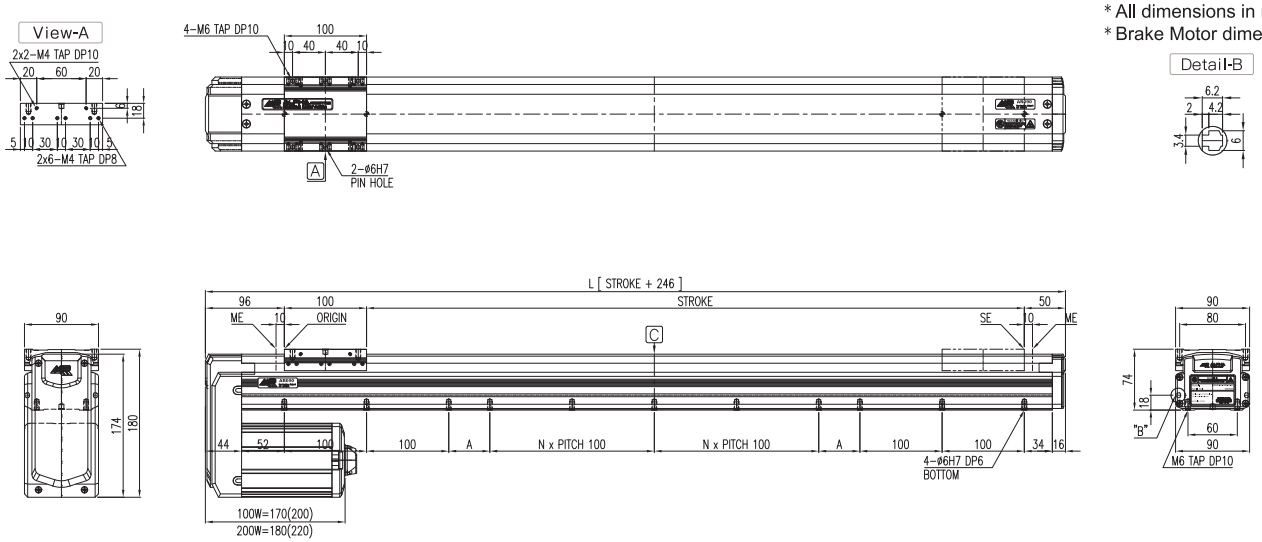
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR090-PU 1/2-10N/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	

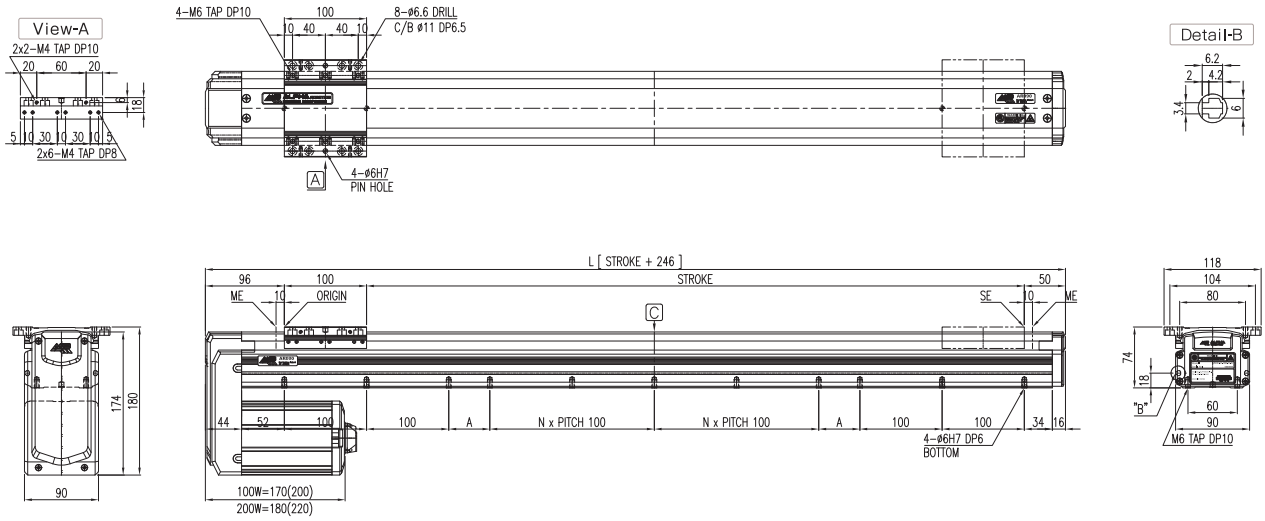
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Note3 Allowable Overhang Distance - mm	Horizontal Use 	0°	450	260	121	74
		45°	450	242	114	70
		90°	450	450	450	450
	Wall Installation Use 	0°	450	450	450	445
		45°	450	240	112	70
		90°	450	268	125	77
	Vertical Use 	0°	450	245	123	82
		45°	260	130	65	44
		90°	450	243	122	81
	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)	
			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.
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.

SPEC
ARM SERIES
AR SERIES
AG SERIES
AD SERIES
BR SERIES
BG SERIES
DAR SERIES
DBR SERIES
RS SERIES
MR SERIES
ADR SERIES
Technology Material

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

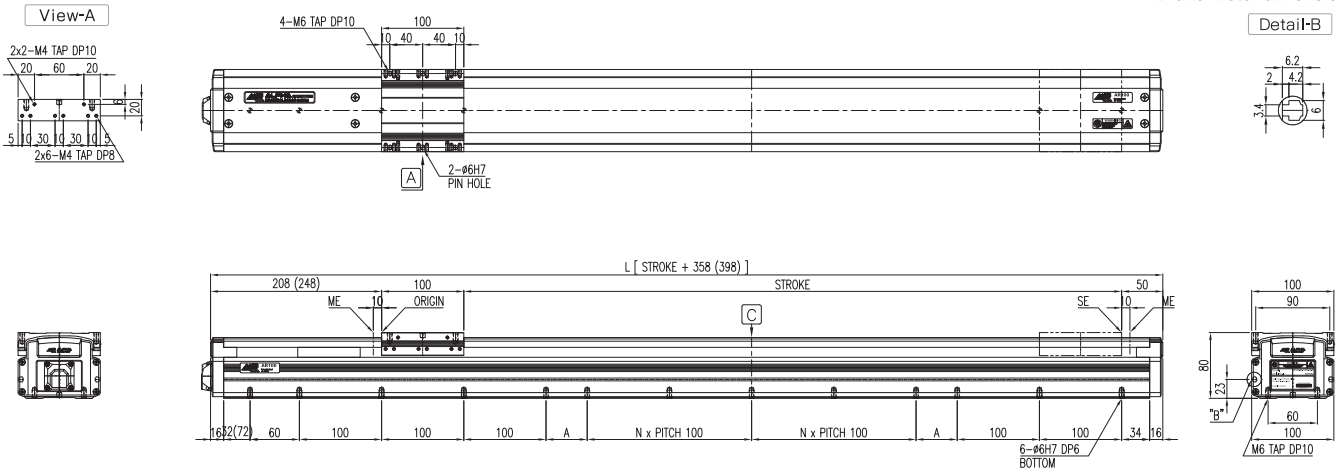
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	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	

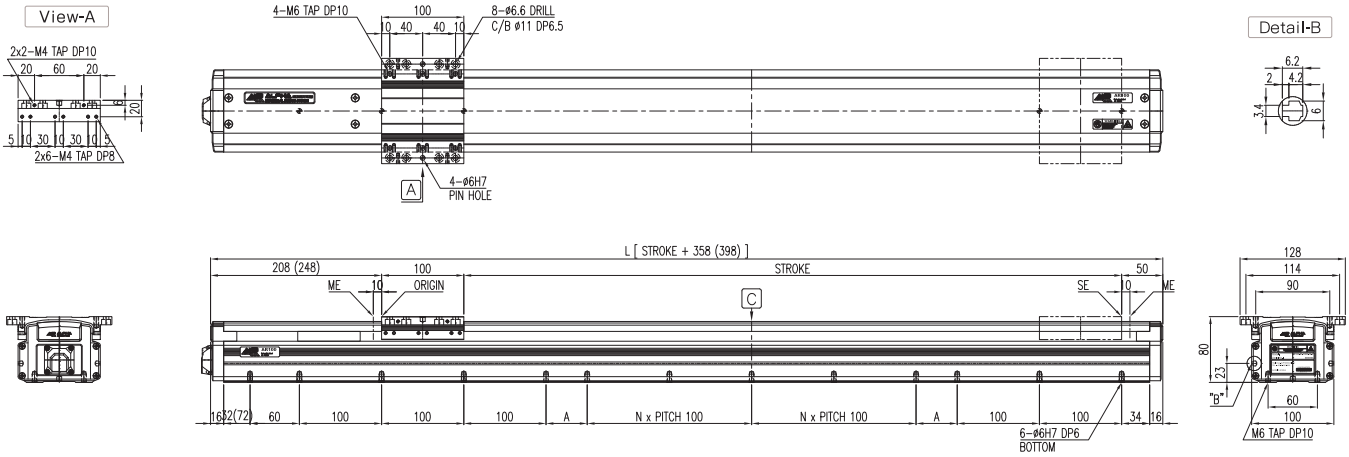
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Allowable Overhang Distance - mm (Note3)	Horizontal Use 	0°	450	260	120	74
		45°	450	245	113	70
		90°	450	450	450	450
	Wall Installation Use 	0°	450	450	450	445
		45°	450	240	112	69
		90°	450	265	124	77
	Vertical Use 	0°	450	245	123	82
		45°	260	130	65	43
		90°	450	243	121	81
	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)	
			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				

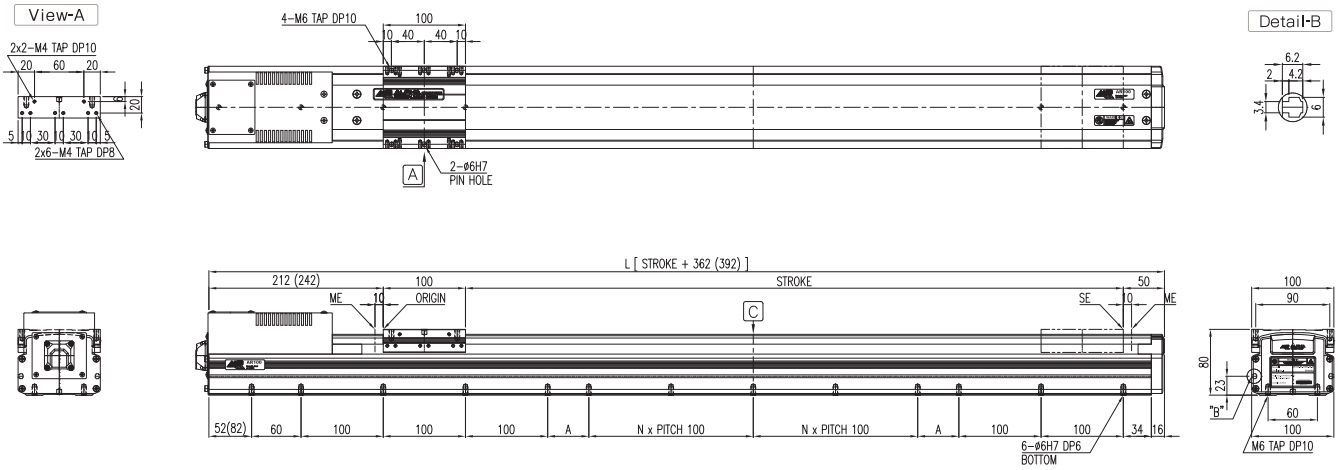
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

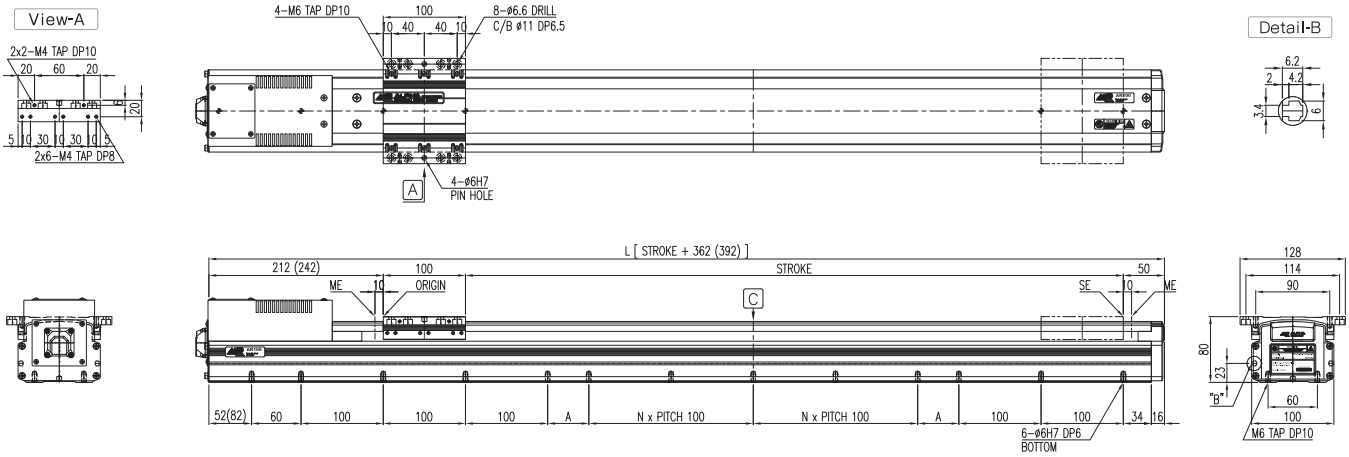
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Allowable Overhang Distance - mm (Note3)	Horizontal Use 	0°	450	260	120	74
		45°	450	245	113	70
		90°	450	450	450	450
	Wall Installation Use 	0°	450	450	450	445
		45°	450	240	112	69
		90°	450	265	124	77
	Vertical Use 	0°	450	245	123	82
		45°	260	130	65	43
		90°	450	243	121	81
	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)	
			Life in traveled distance : 30000 km			

AR100-S1

* All dimensions in mm
* Brake Motor dimension



AR100-S2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	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	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				

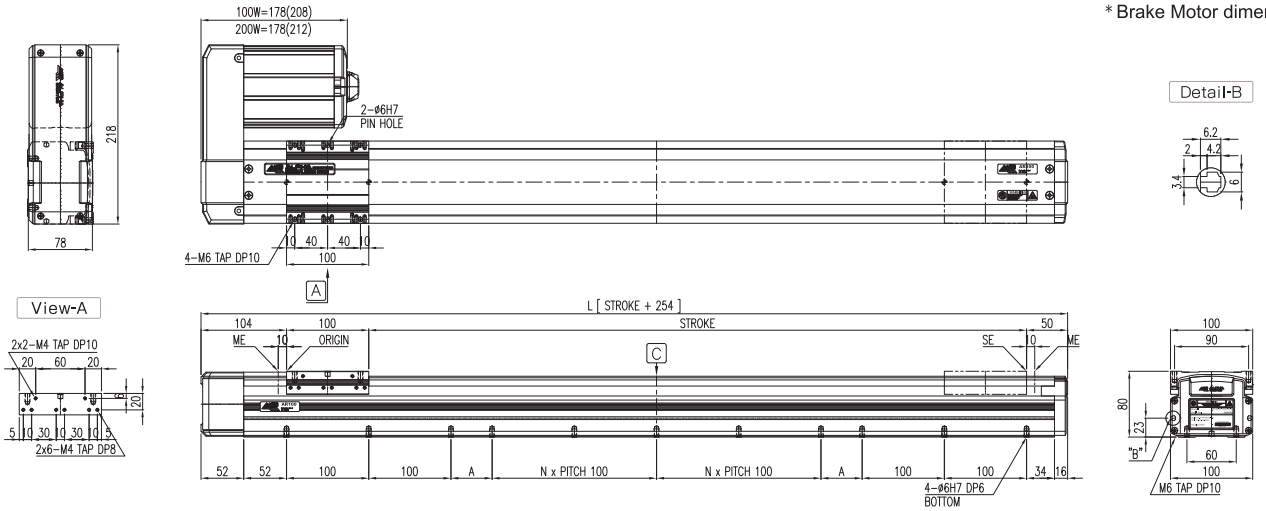
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

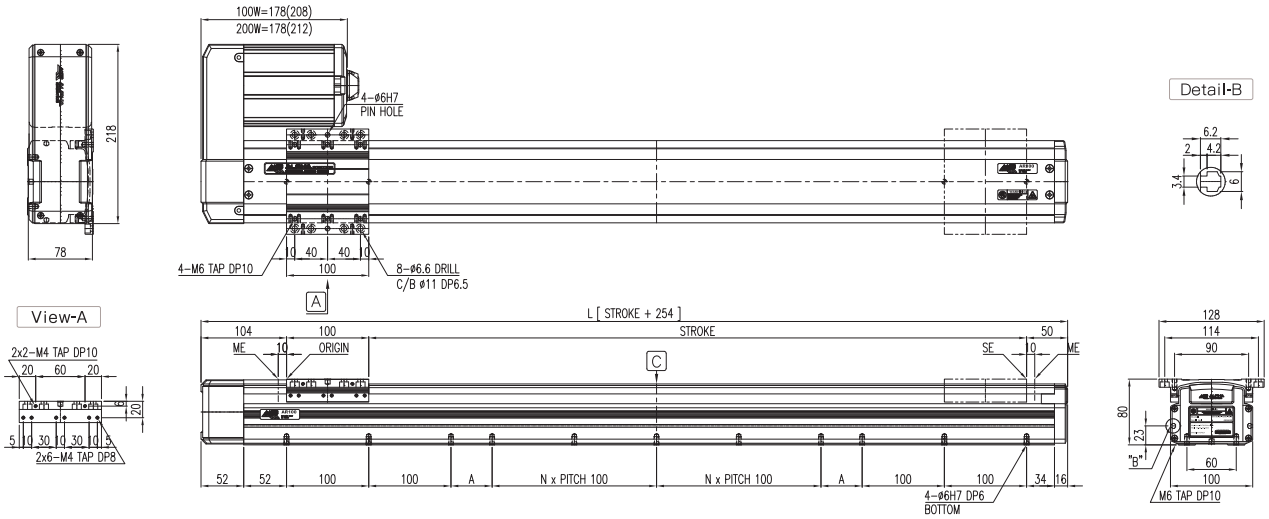
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	5	10	20	30
Note3 Allowable Overhang Distance - mm	Horizontal Use		0°	450	260	120	74
			45°	450	245	113	70
			90°	450	450	450	450
	Wall Installation Use		0°	450	450	450	445
			45°	450	240	112	69
			90°	450	265	124	77
	Vertical Use		0°	450	245	123	82
			45°	260	130	65	43
			90°	450	243	121	81
	Estimated Condition			Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)	
				Life in traveled distance : 30000 km			

AR100-PL1

* All dimensions in mm
* Brake Motor dimension



AR100-PL2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	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				

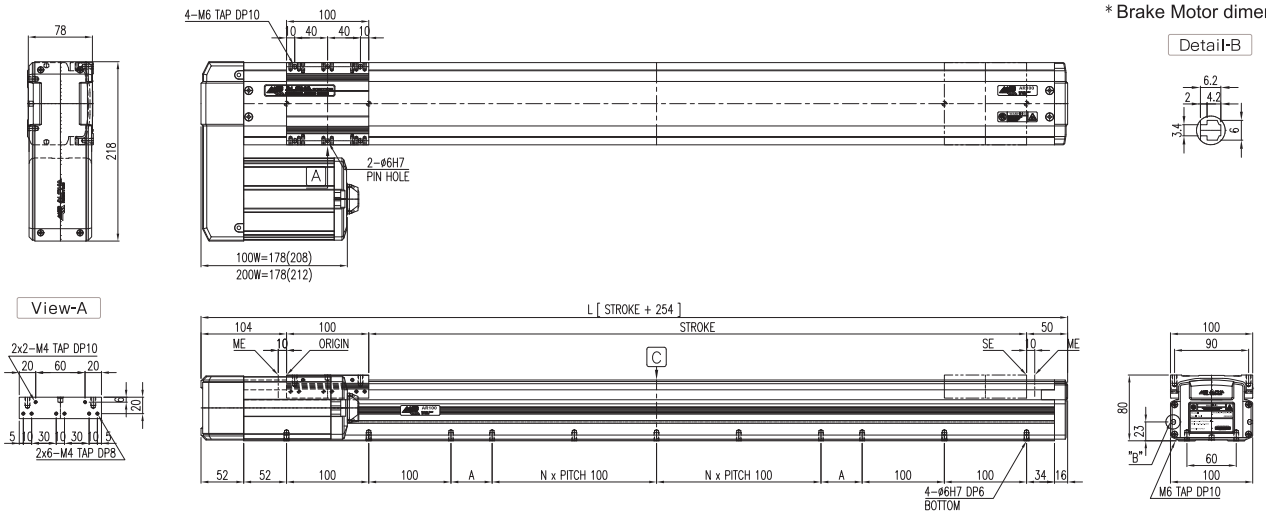
Specification		Unit	AR100-PR1/2-10N/20N	
AR100-PR1 			AR100-PR2 	
Rated Output		W	100W, 3000 min^{-1}	200W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:8 (2) V:6 (2)	H:35 (28) V:20 (14)
Stroke Range		mm	100 ~ 1000	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

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.

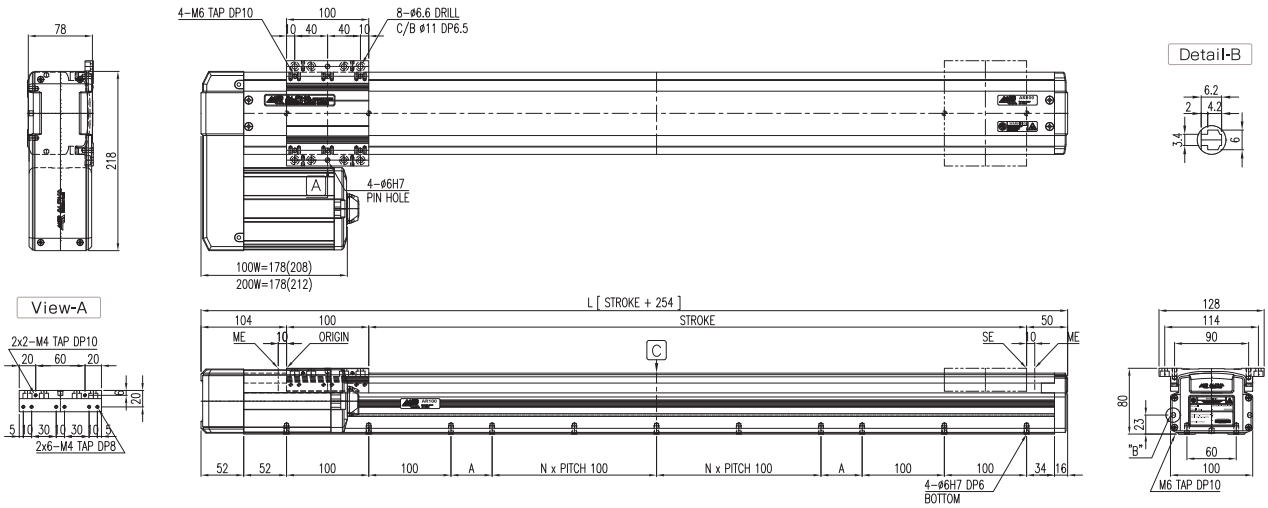
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	5	10	20	30
Allowable Overhang Distance - mm	Horizontal Use 	0°	450	260	120	74
		45°	450	245	113	70
		90°	450	450	450	450
	Wall Installation Use 	0°	450	450	450	445
		45°	450	240	112	69
		90°	450	265	124	77
	Vertical Use 	0°	450	245	123	82
		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/s²)	
			Life in traveled distance : 30000 km			

AR100-PR1

* All dimensions in mm
* Brake Motor dimension



AR100-PR2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	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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NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.

SPEC
ARM SERIES
AR SERIES
AG SERIES
AD SERIES
BR SERIES
BG SERIES
DAR SERIES
DBR SERIES
RS SERIES
MR SERIES
ADR SERIES
Technology Material

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

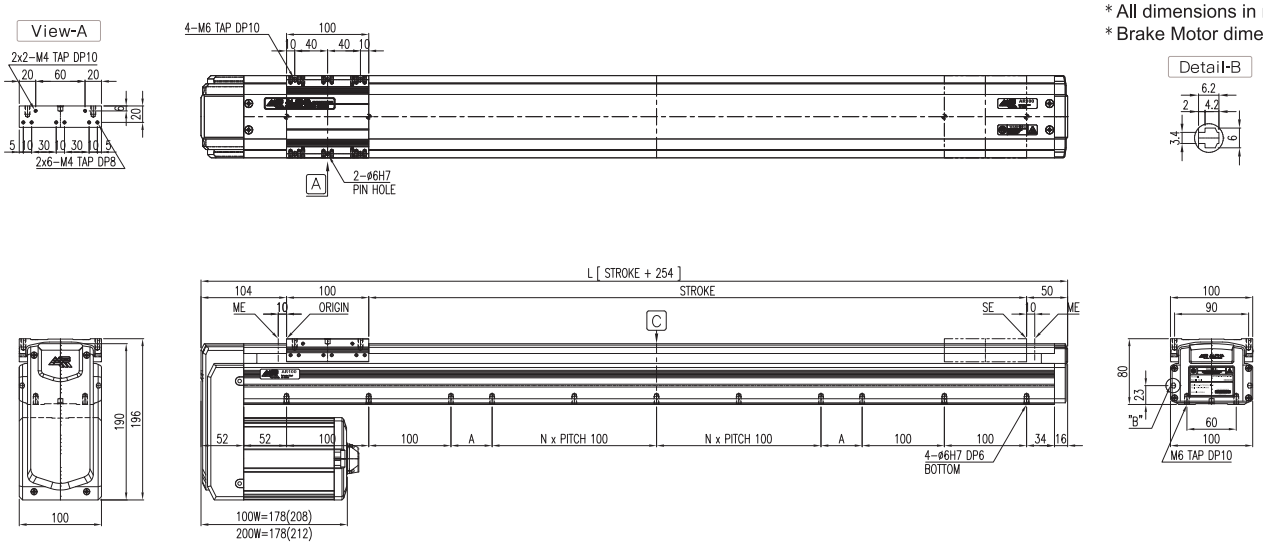
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

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	

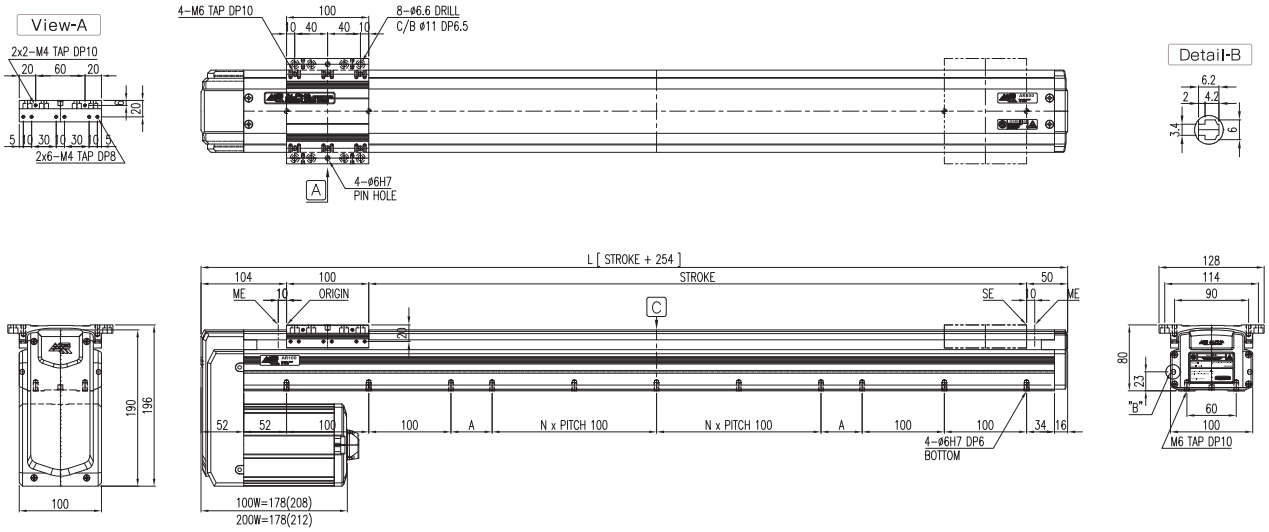
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	5	10	20	30
Allowable Overhang Distance - mm (Note3)	Horizontal Use		0°	450	260	120	74
			45°	450	245	113	70
			90°	450	450	450	450
	Wall Installation Use		0°	450	450	450	455
			45°	450	240	112	69
			90°	450	265	124	77
	Vertical Use		0°	450	245	123	82
			45°	260	130	65	43
			90°	450	243	121	81
	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				

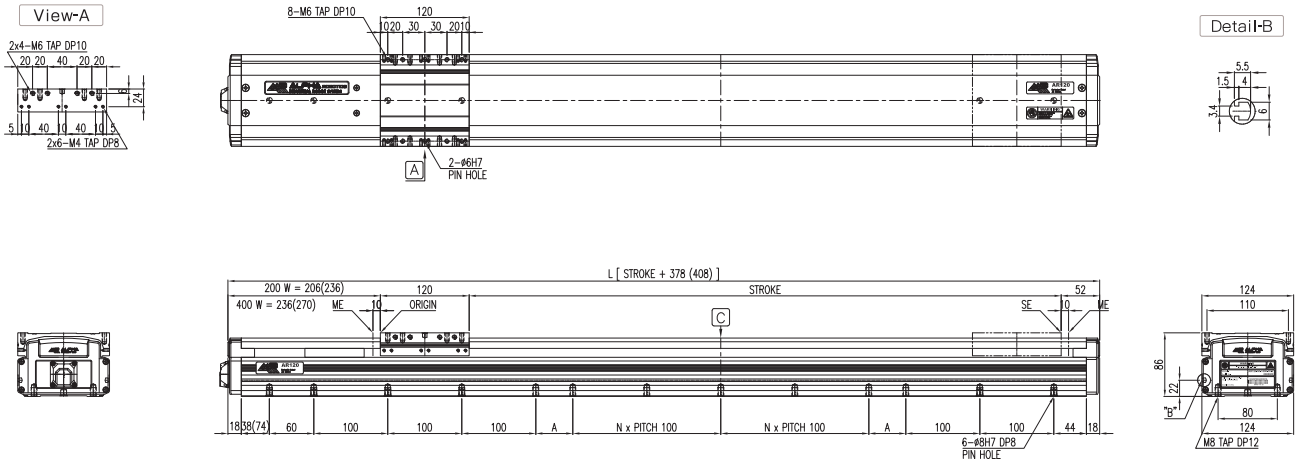
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

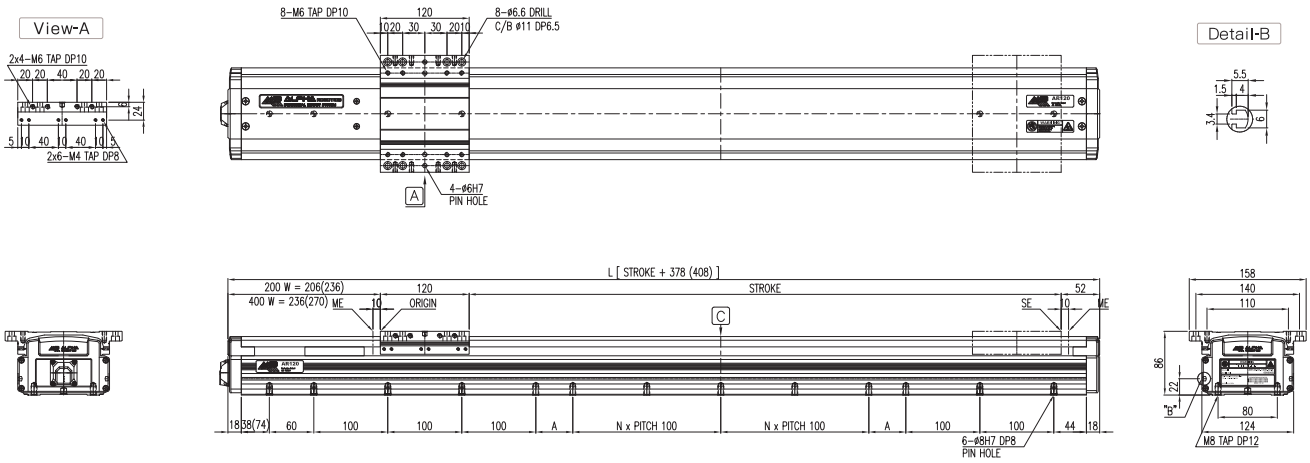
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	30	40	50
Allowable Overhang Distance - mm (Note3)	Horizontal Use 	0°	700	475	350	273
		45°	700	558	408	320
		90°	700	700	700	700
	Wall Installation Use 	0°	700	460	336	263
		45°	481	316	231	179
		90°	700	510	376	295
	Vertical Use 	0°	700	490	370	295
		45°	700	319	241	191
		90°	700	490	370	295
	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)	
			Life in traveled distance : 30000 km			

AR120-S1

* All dimensions in mm
* Brake Motor dimension



AR120-S2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	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				

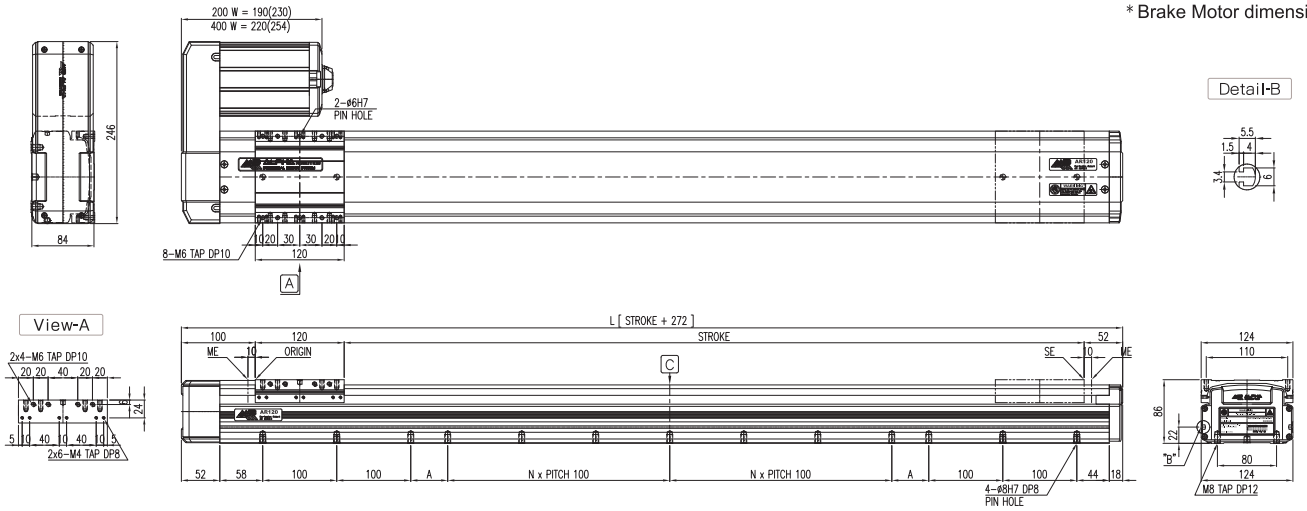
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

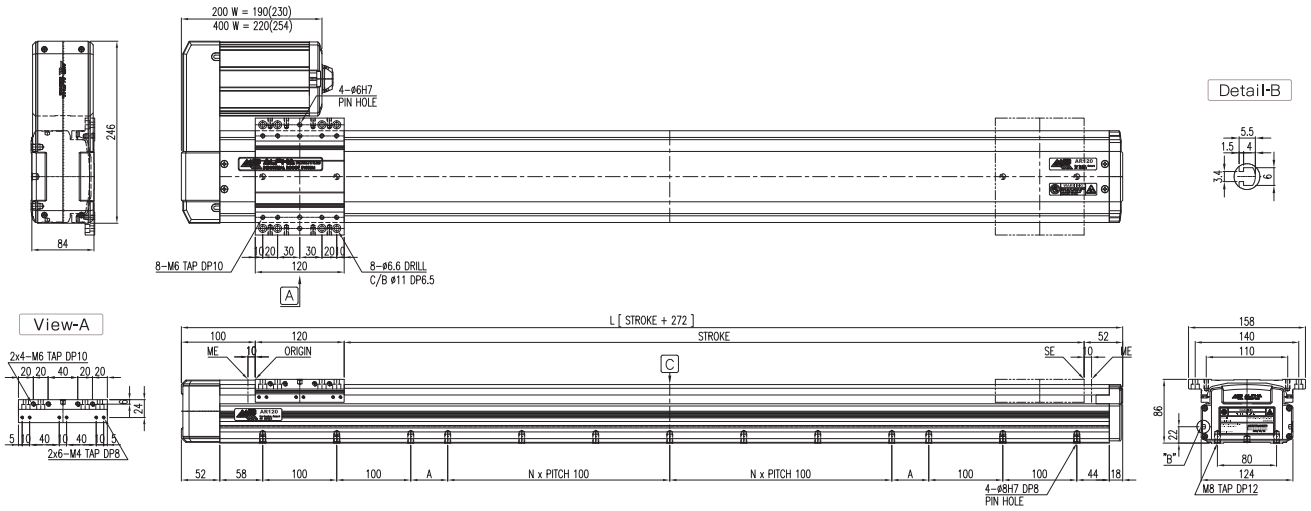
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	20	30	40	50
Allowable Overhang Distance - mm	Horizontal Use		0°	700	475	350	273
			45°	700	558	408	320
			90°	700	700	700	700
	Wall Installation Use		0°	700	460	336	263
			45°	481	316	231	179
			90°	700	510	376	295
	Vertical Use		0°	700	490	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/s²)		
			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				

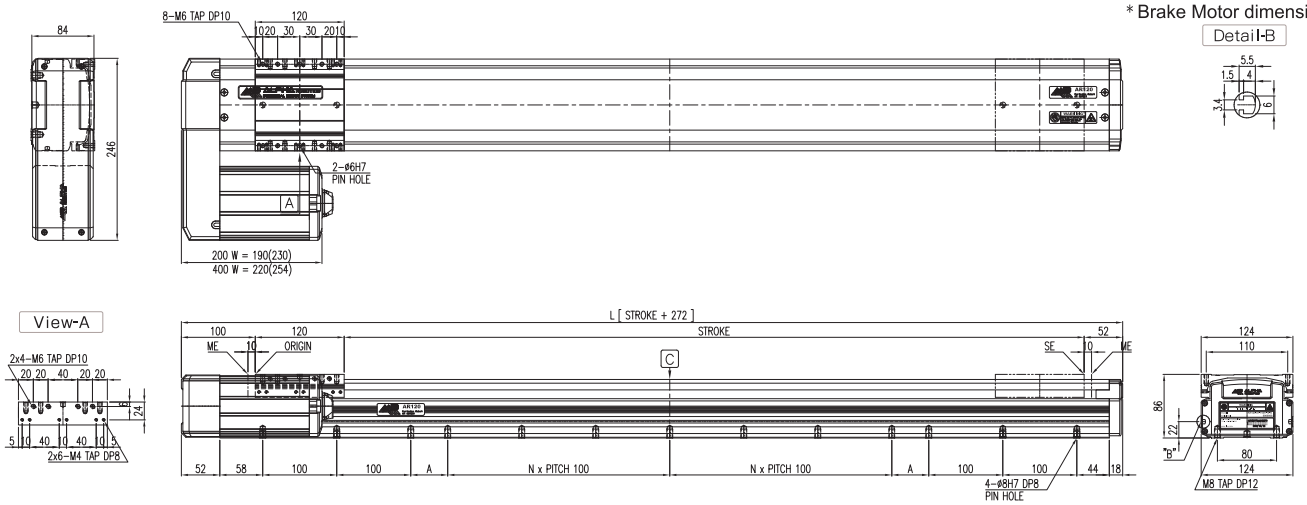
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

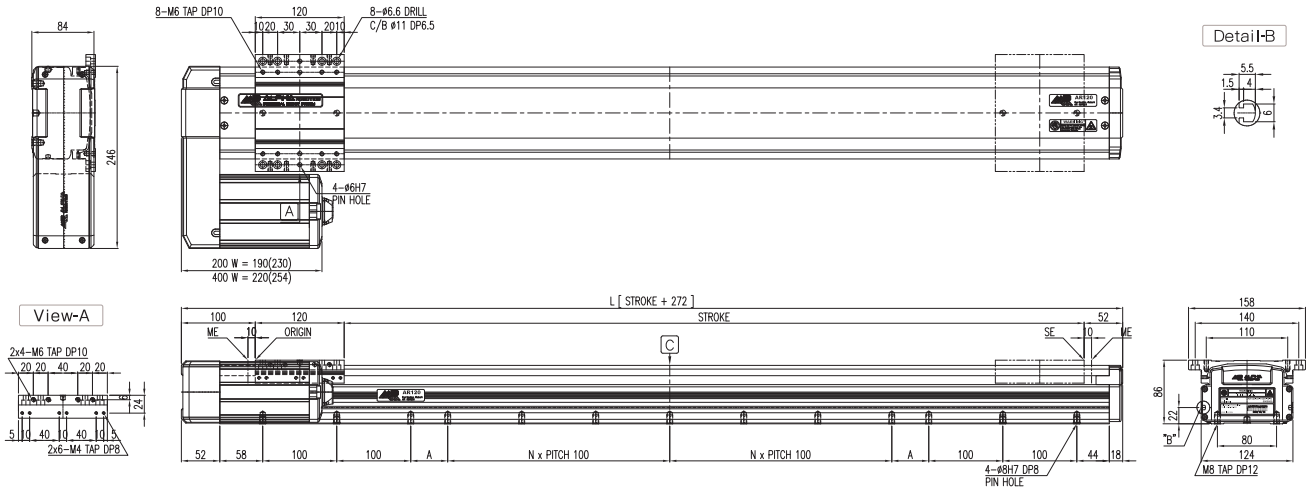
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	30	40	50
Allowable Overhang Distance - mm	Horizontal Use	0°	700	475	350	273
		45°	700	558	408	320
		90°	700	700	700	700
	Wall Installation Use	0°	700	460	336	263
		45°	481	316	231	179
		90°	700	510	376	295
	Vertical Use	0°	700	490	370	295
		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/s²)	
			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				

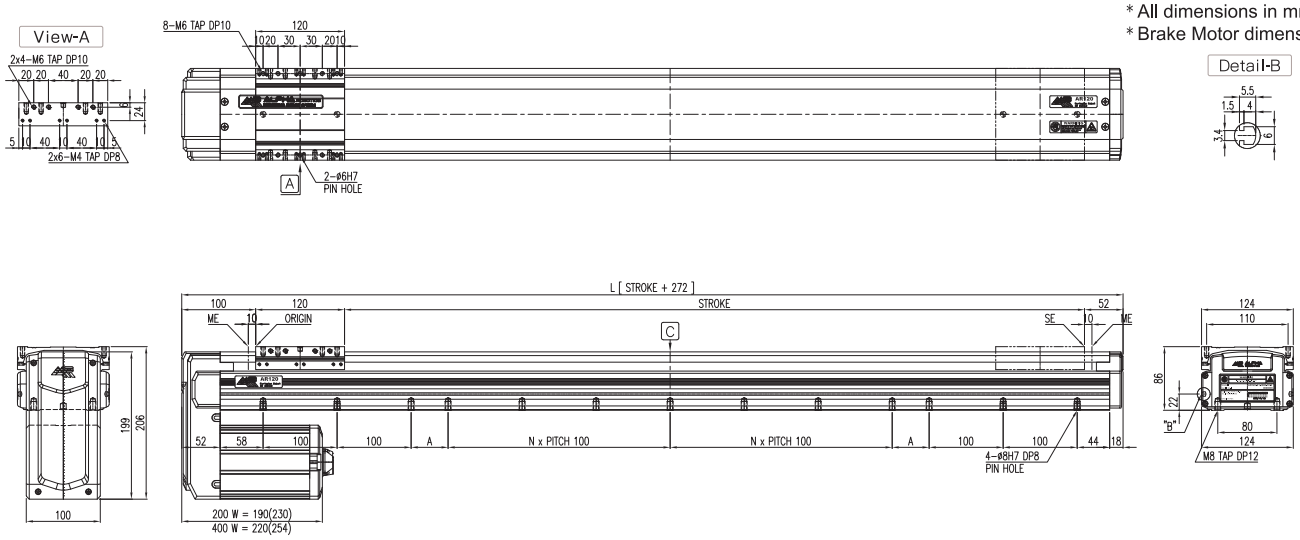
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

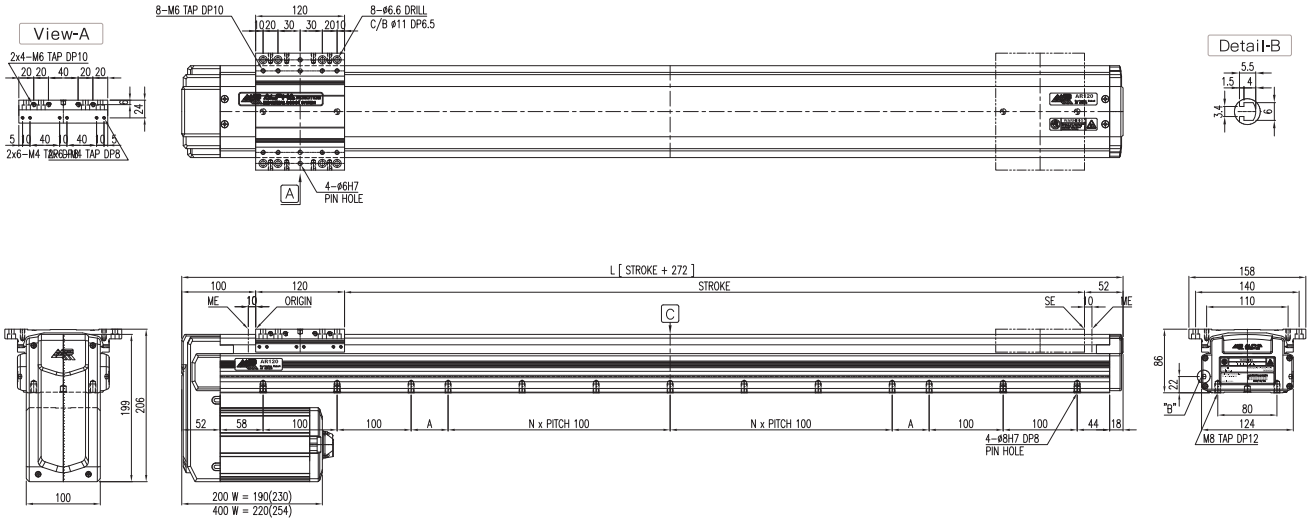
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	20	30	40	50
Allowable Overhang Distance - mm	Horizontal Use		0°	700	475	350	273
			45°	700	558	408	320
			90°	700	700	700	700
	Wall Installation Use		0°	700	460	336	263
			45°	481	316	231	179
			90°	700	510	376	295
	Vertical Use		0°	700	490	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/s²)		
			Life in traveled distance : 30000 km				

AR120-PU1

* All dimensions in mm
* Brake Motor dimension



AR120-PU2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	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				

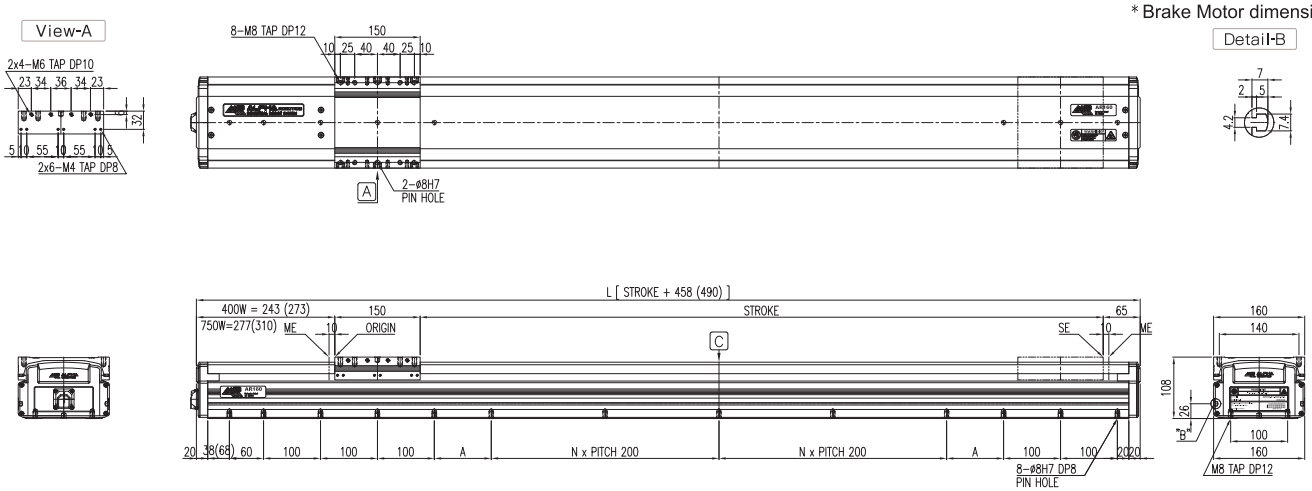
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

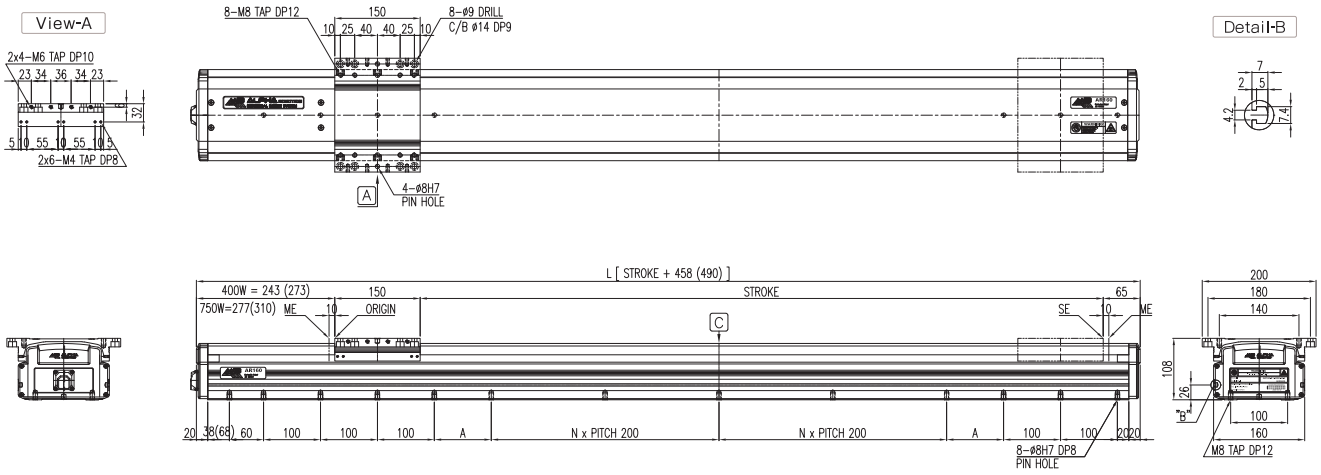
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	30	40	50
Allowable Overhang Distance - mm (Note3)	Horizontal Use 	0°	800	635	410	298
		45°	800	756	486	353
		90°	800	800	800	800
	Wall Installation Use 	0°	800	590	380	275
		45°	800	410	264	191
		90°	800	675	435	315
	Vertical Use 	0°	800	630	420	315
		45°	800	403	273	205
		90°	800	630	420	310
	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)	
			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				

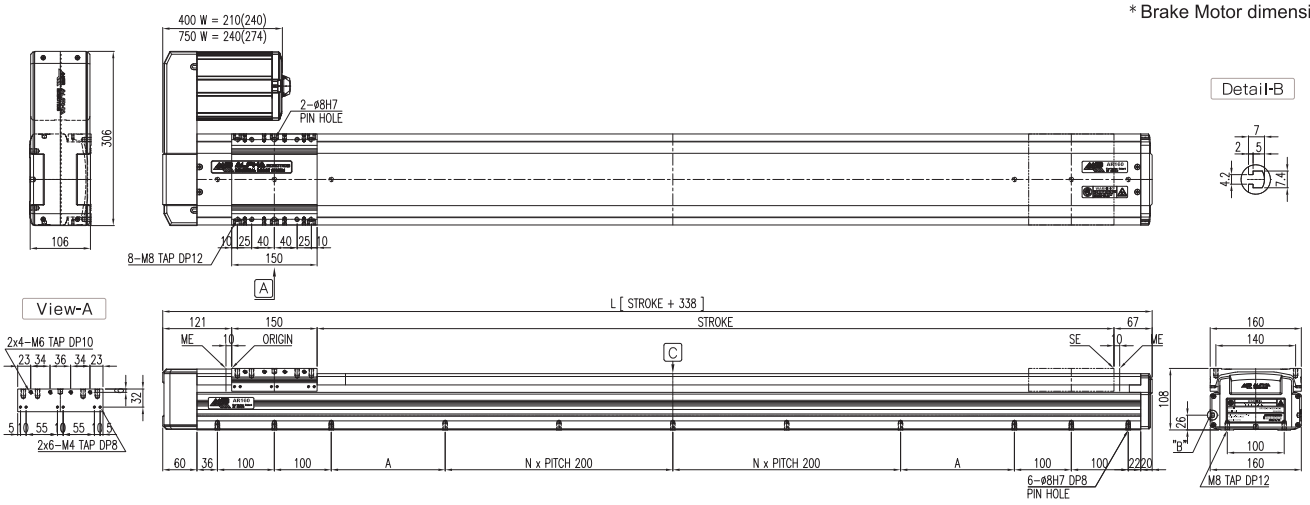
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR160-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	

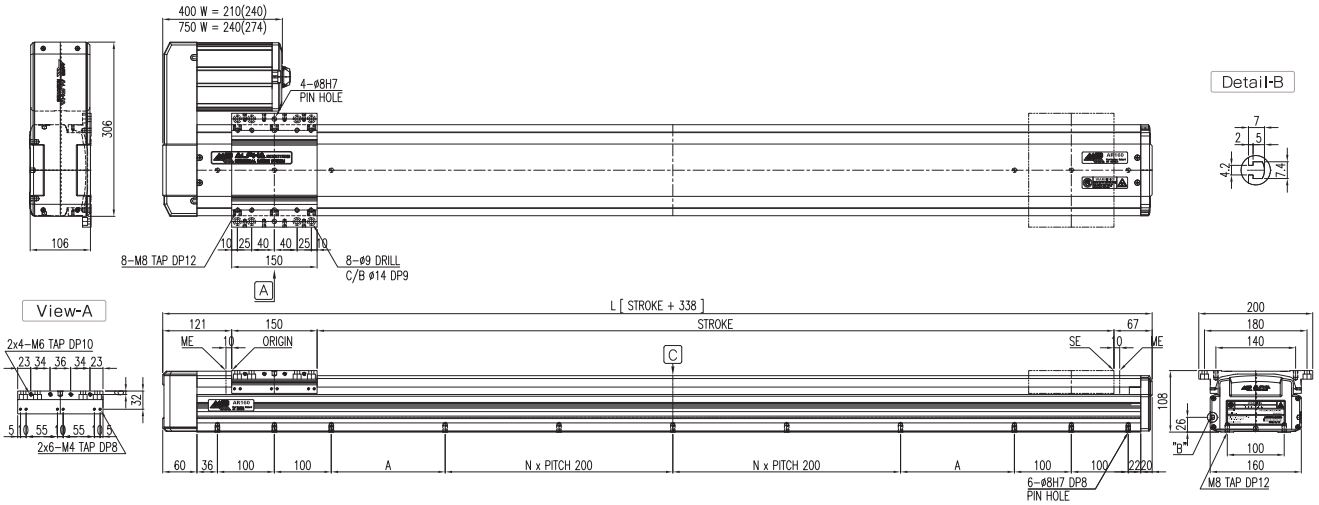
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	30	40	50
Allowable Overhang Distance - mm (Note3)	Horizontal Use	0°	800	635	410	298
		45°	800	756	486	353
		90°	800	800	800	800
	Wall Installation Use	0°	800	590	380	275
		45°	800	410	264	191
		90°	800	675	435	-315
	Vertical Use	0°	800	630	420	315
		45°	800	403	273	205
		90°	800	630	420	310
	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)	
			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				

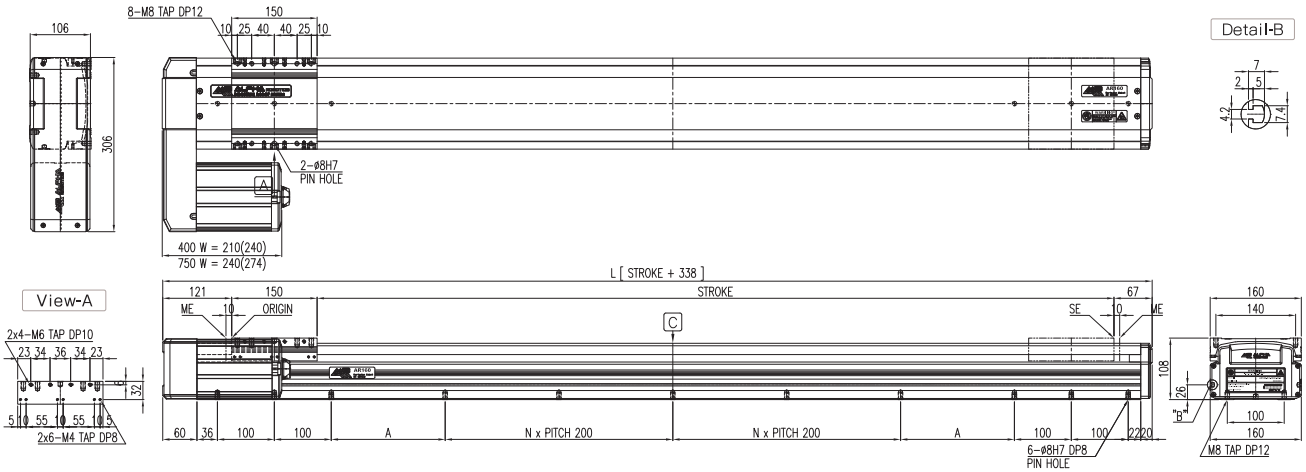
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

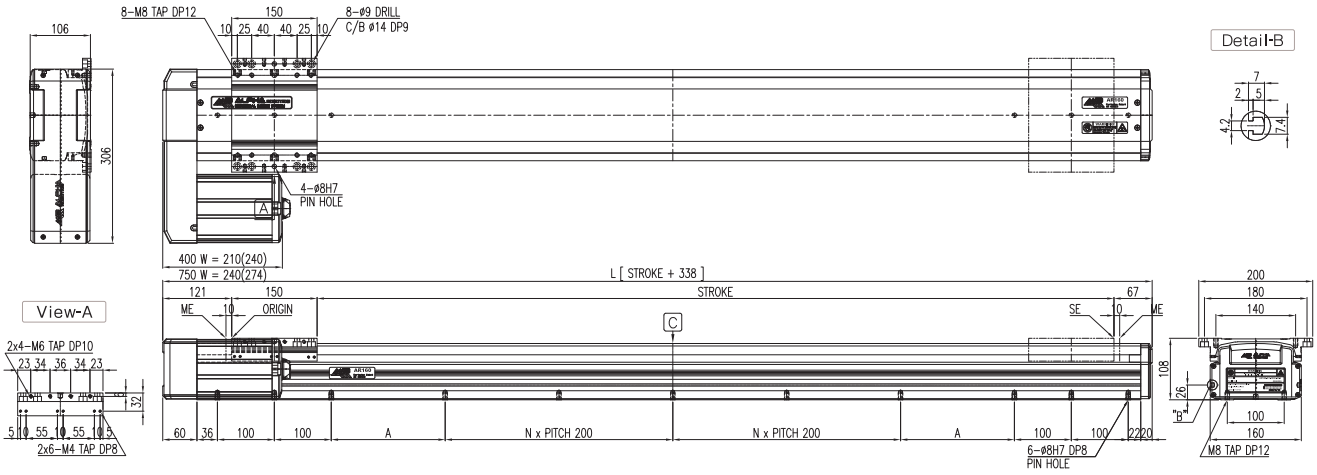
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	30	40	50
Allowable Overhang Distance - mm (Note3)	Horizontal Use 	0°	800	635	410	298
		45°	800	756	486	353
		90°	800	800	800	800
	Wall Installation Use 	0°	800	590	380	275
		45°	800	410	264	191
		90°	800	675	435	315
	Vertical Use 	0°	800	630	420	315
		45°	800	403	273	205
		90°	800	630	420	310
	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)	
			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				

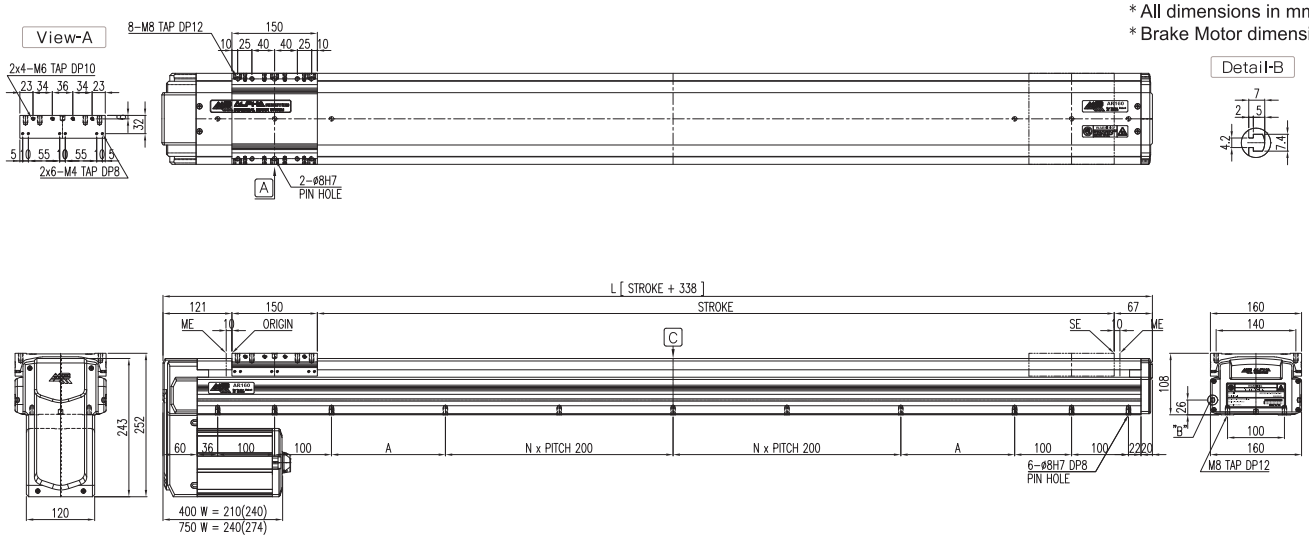
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

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	

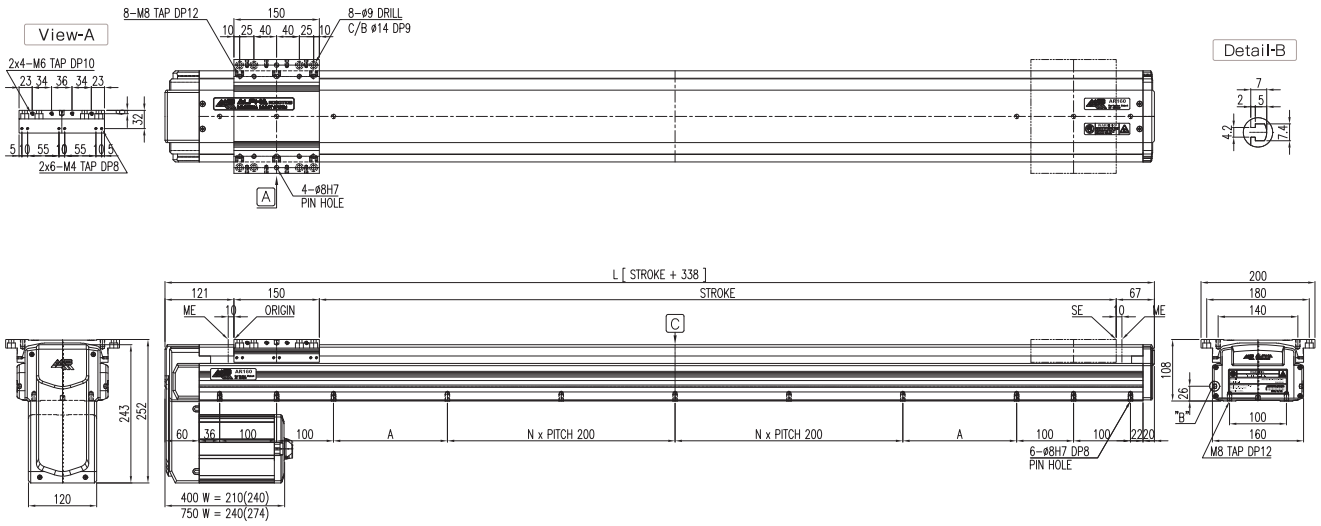
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	30	40	50
Allowable Overhang Distance - mm	Horizontal Use	0°	800	635	410	298
		45°	800	756	486	353
		90°	800	800	800	800
	Wall Installation Use	0°	800	590	380	275
		45°	800	410	264	191
		90°	800	675	435	315
	Vertical Use	0°	800	630	420	315
		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/s²)	
			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				

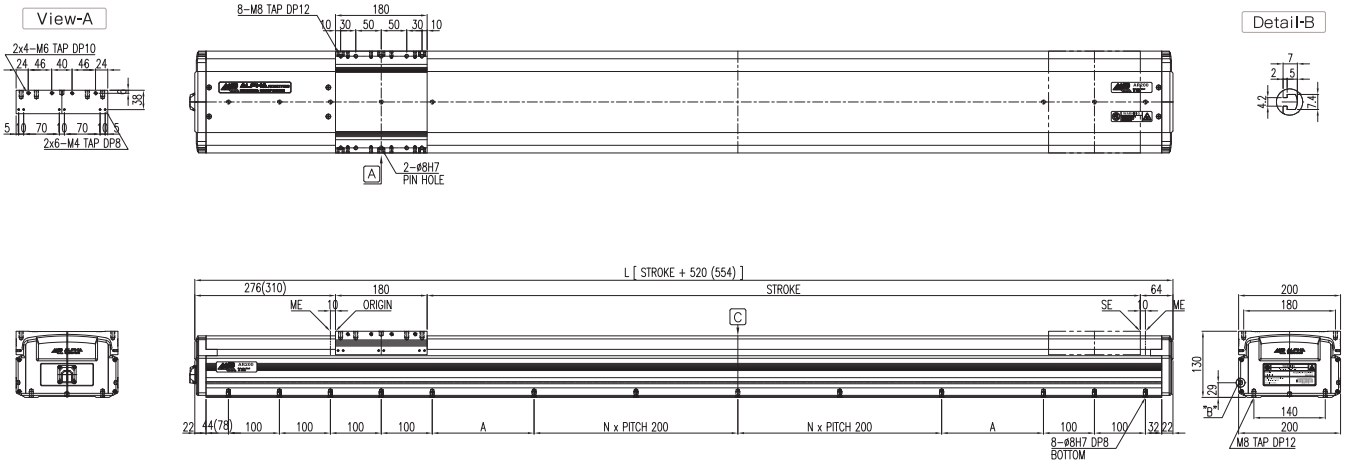
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

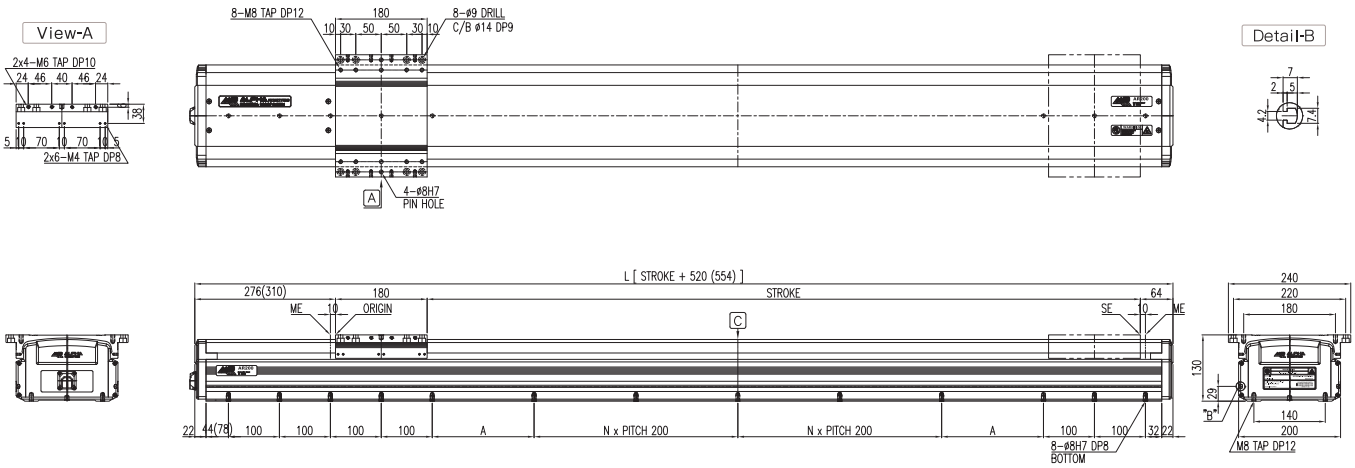
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	30	60	90	120
Allowable Overhang Distance - mm (Note3)	Horizontal Use		0°	900	900	605	440
			45°	900	900	720	522
			90°	900	900	900	900
	Wall Installation Use		0°	900	740	478	346
			45°	900	553	358	257
			90°	900	900	640	465
	Vertical Use		0°	900	790	525	395
			45°	900	514	345	260
			90°	900	790	520	390
	Estimated Condition			Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)	
				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	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	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				

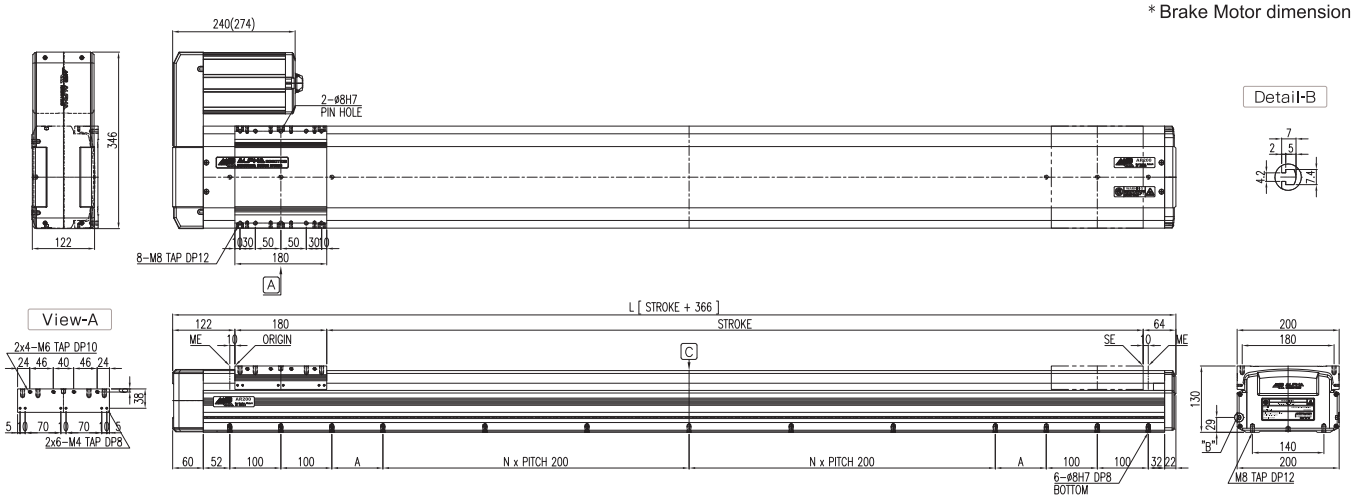
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

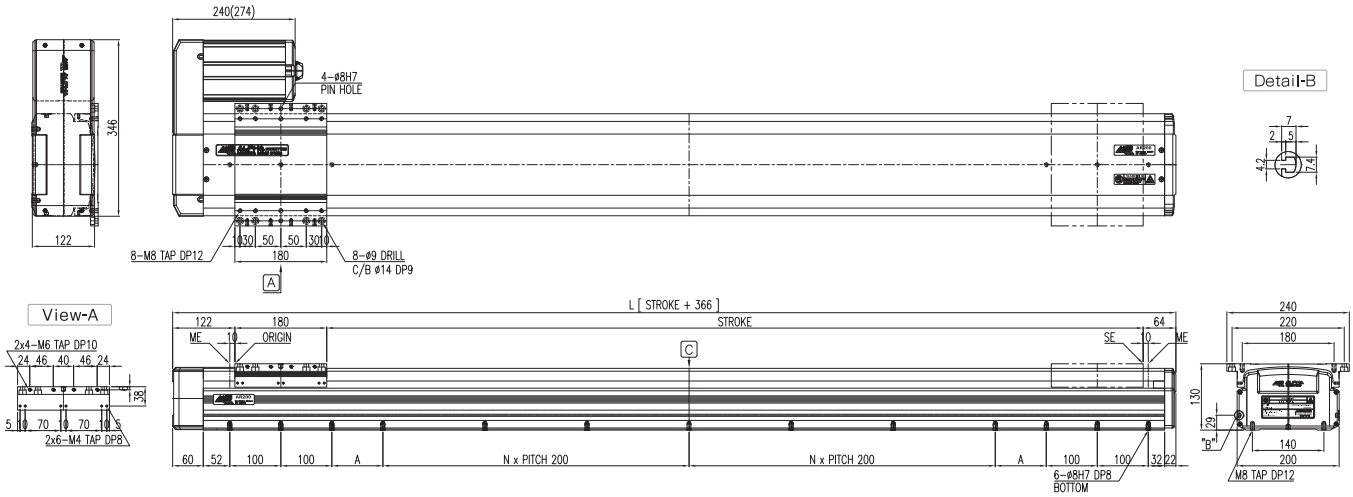
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	30	60	90	120
Allowable Overhang Distance - mm	Horizontal Use 	0°	900	900	605	440
		45°	900	900	720	522
		90°	900	900	900	900
	Wall Installation Use 	0°	900	740	478	346
		45°	900	553	358	257
		90°	900	900	640	465
	Vertical Use 	0°	900	790	525	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/s²)		
		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
Speed	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				

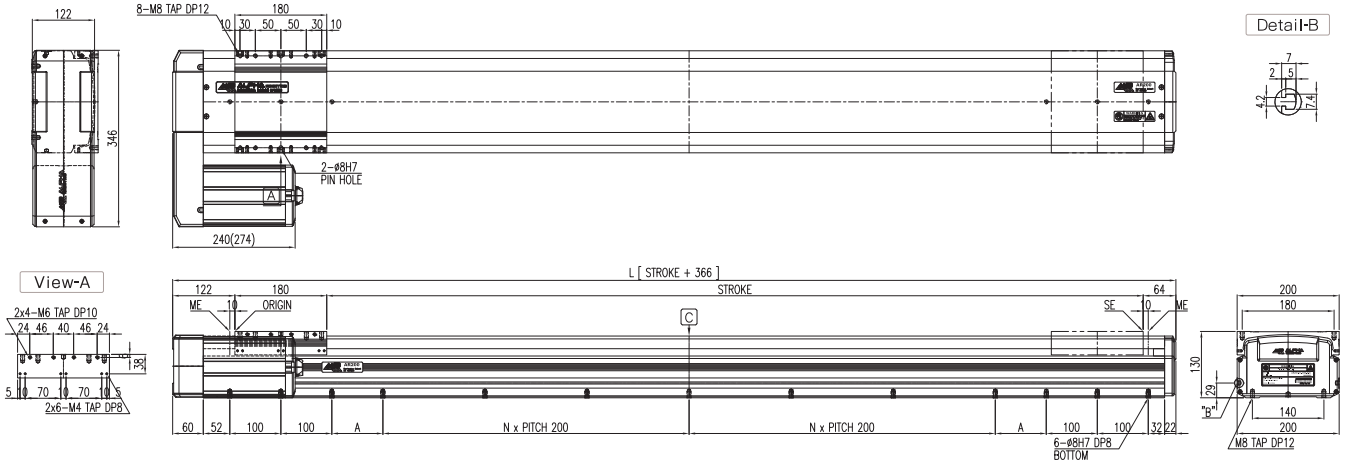
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

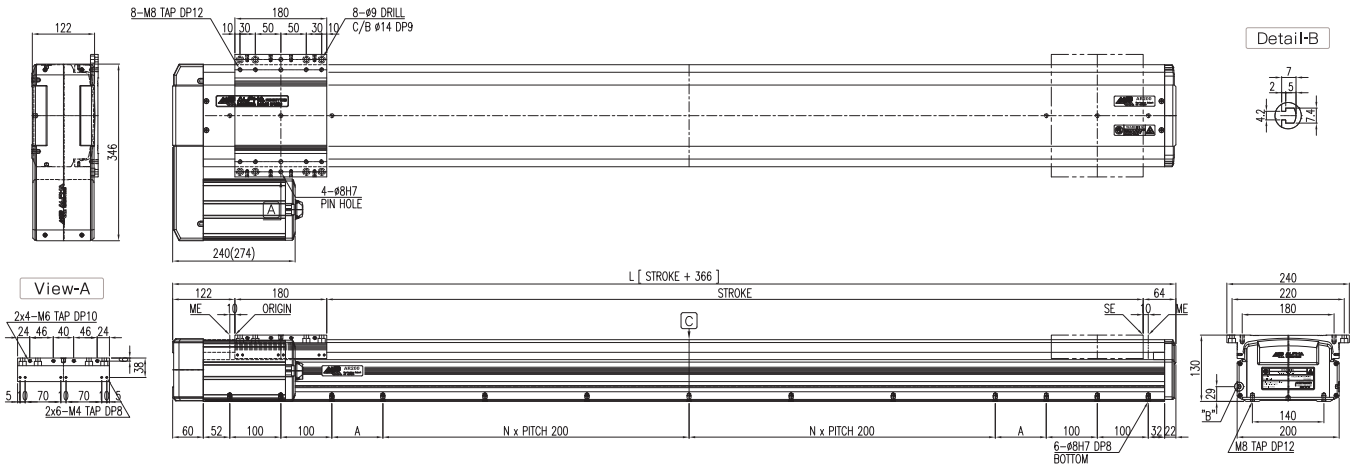
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	30	60	90	120
Allowable Overhang Distance - mm	Horizontal Use 	0°	900	900	605	440
		45°	900	900	720	522
		90°	900	900	900	900
	Wall Installation Use 	0°	900	740	478	346
		45°	900	553	358	257
		90°	900	900	640	465
	Vertical Use 	0°	900	790	525	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/s²)		
		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				

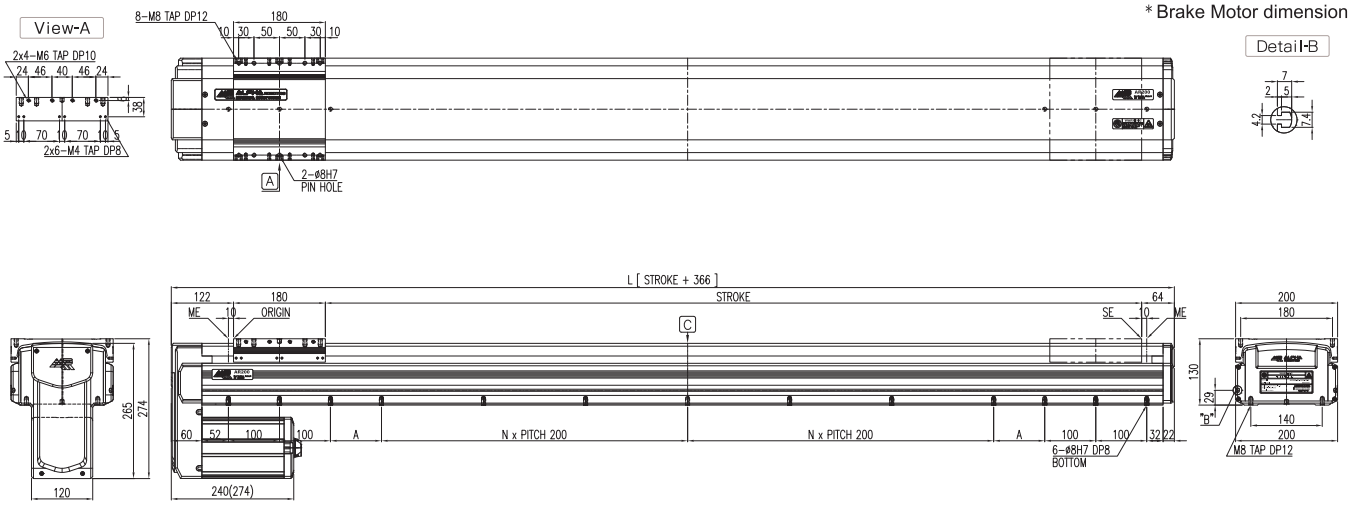
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

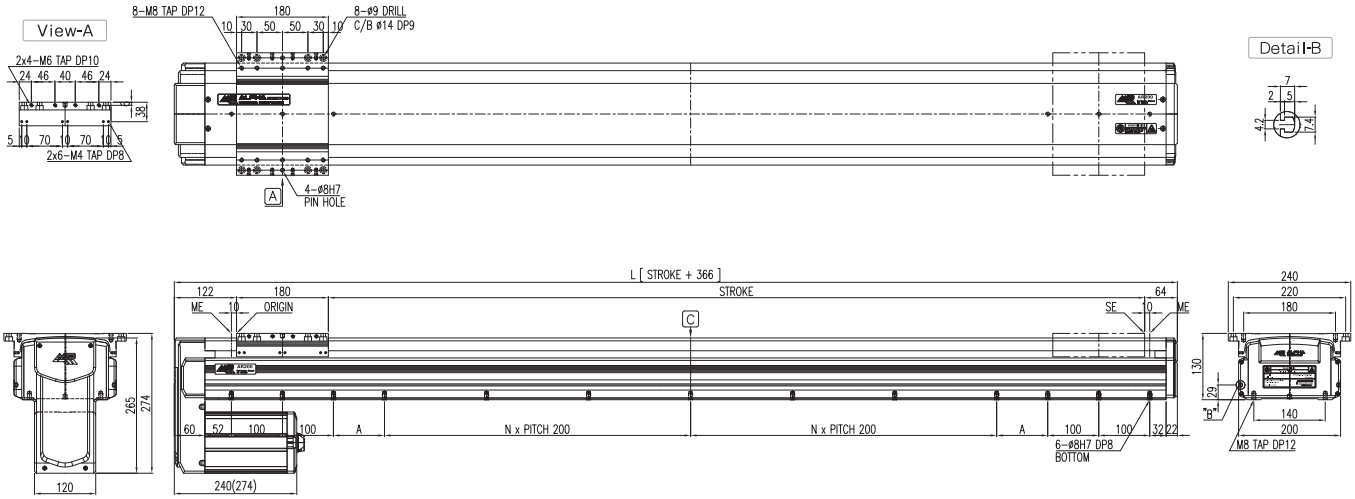
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	30	60	90	120
Allowable Overhang Distance - mm	Horizontal Use		0°	900	900	605	440
			45°	900	900	720	522
			90°	900	900	900	900
	Wall Installation Use		0°	900	740	478	346
			45°	900	553	358	257
			90°	900	900	640	465
	Vertical Use		0°	900	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/s²)		
			Life in traveled distance : 30000 km				

AR200-PU1

* All dimensions in mm
* Brake Motor dimension



AR200-PU2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	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	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	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				

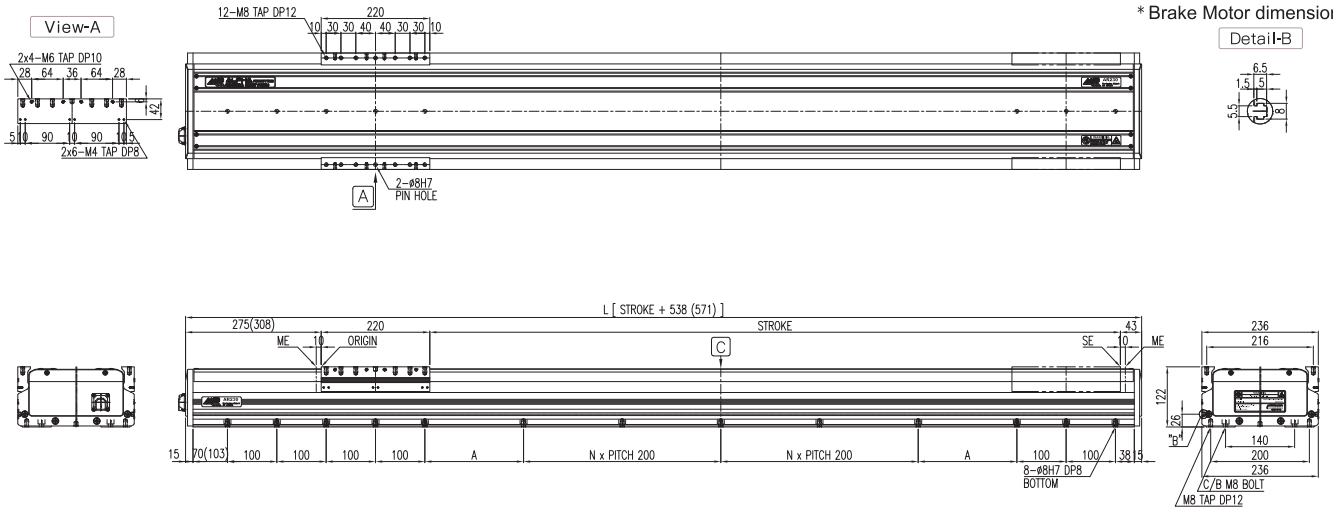
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

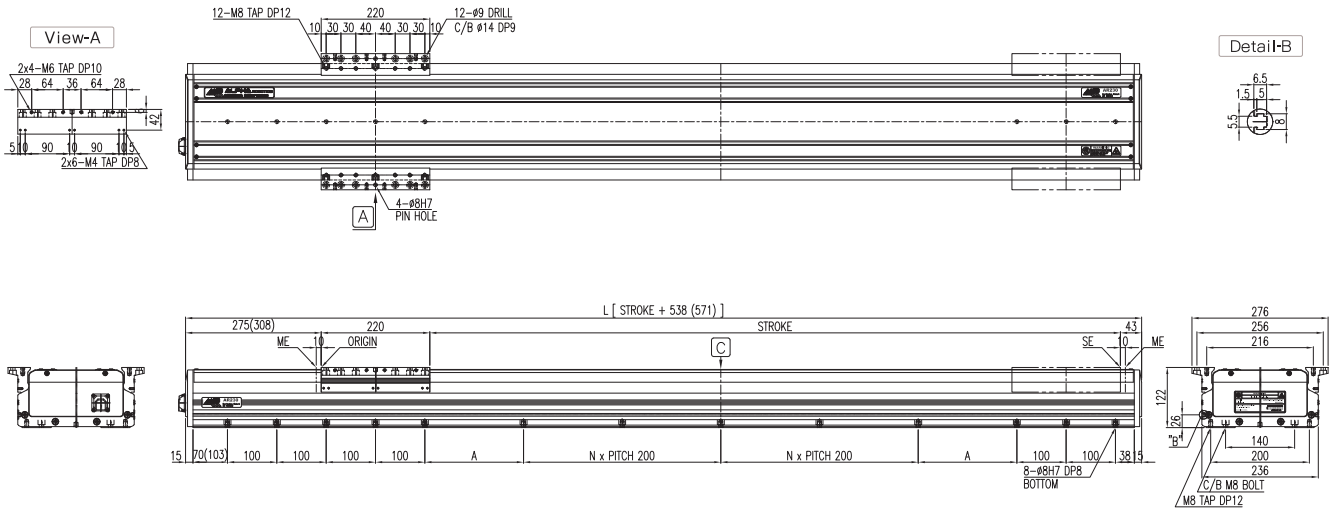
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm (Note3)	Horizontal Use 	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use 	0°	1000	705	510	395
		45°	787	510	371	286
		90°	1000	880	640	495
	Vertical Use 	0°	1000	780	580	465
		45°	754	507	377	299
		90°	1000	780	580	460
	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s²)	
			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-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	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	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.

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

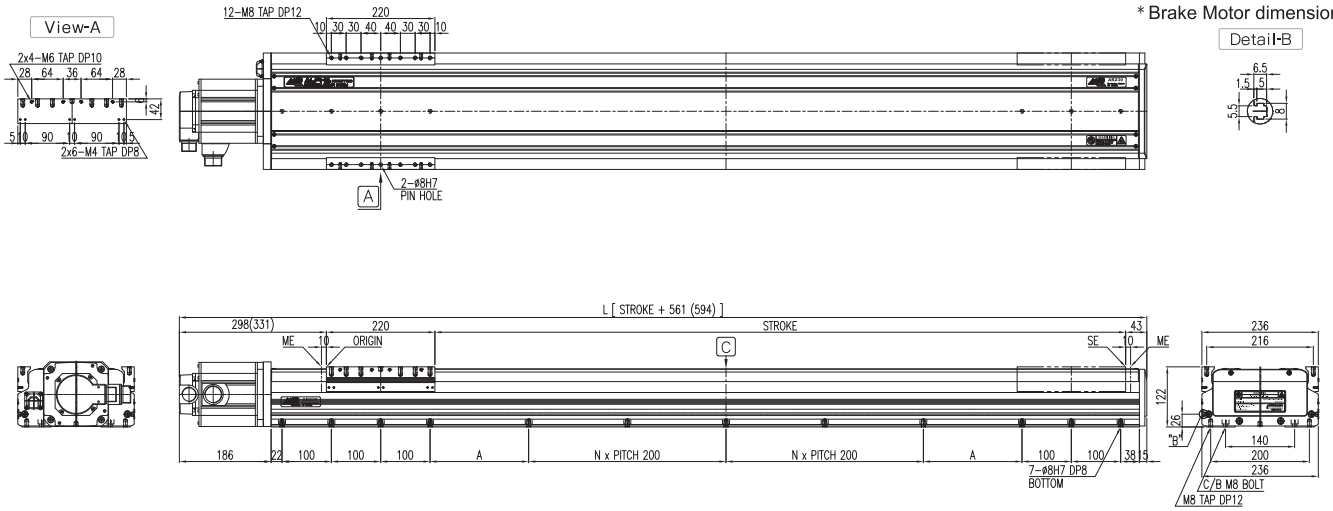
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	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	

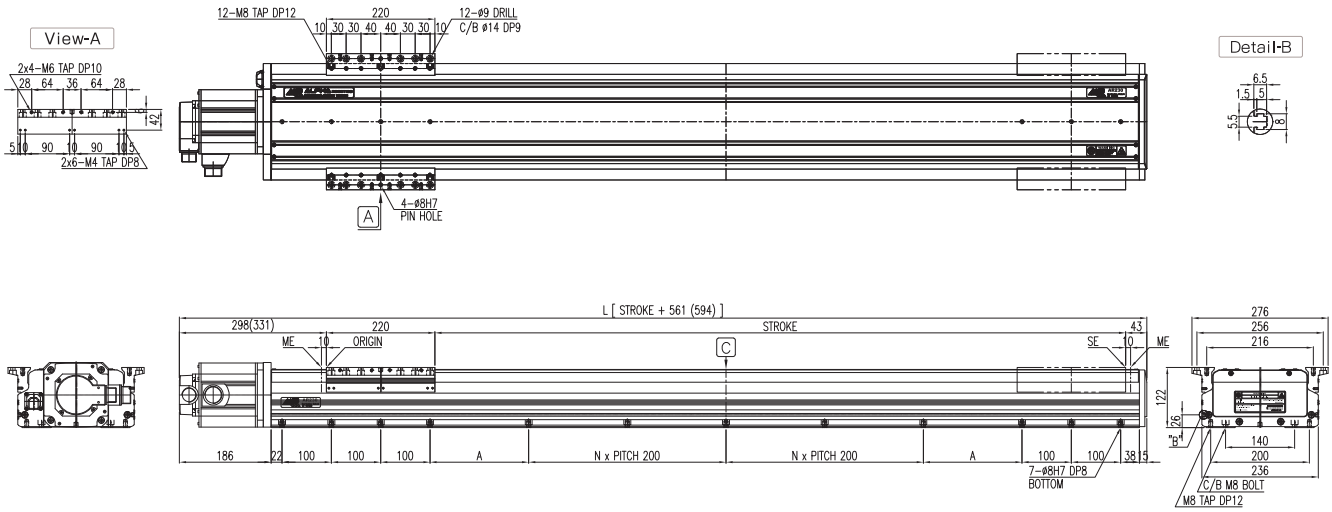
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use		0°	1000	835	605	470
			45°	1000	996	720	558
			90°	1000	1000	1000	1000
	Wall Installation Use		0°	1000	705	510	395
			45°	787	510	371	286
			90°	1000	880	640	495
	Vertical Use		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/s²)		
			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	200	300	400	500	600	700	800	900	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				

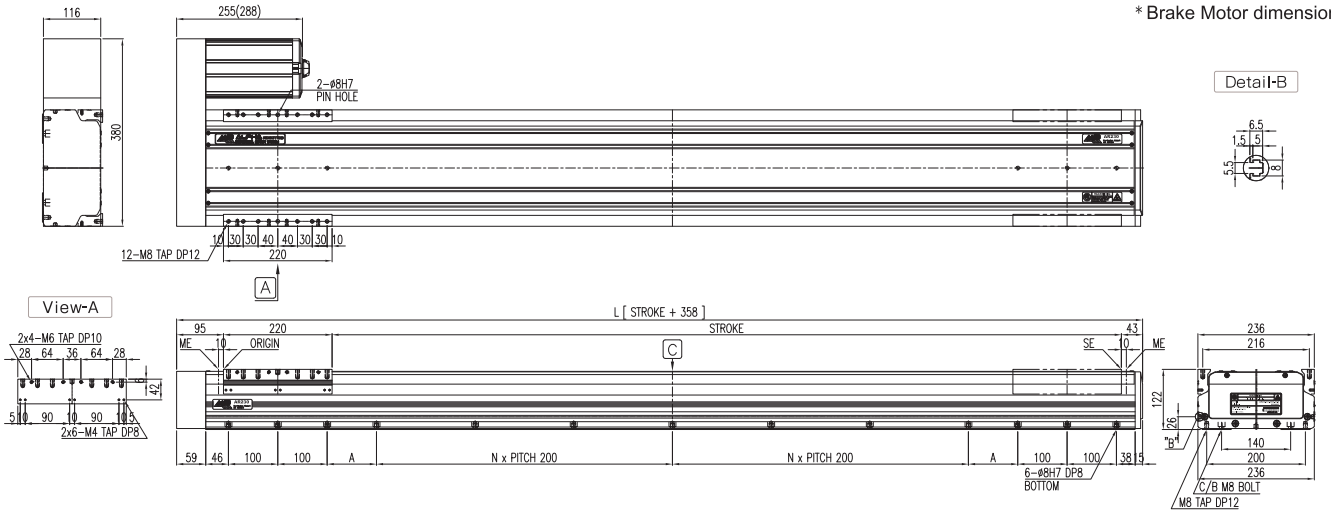
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

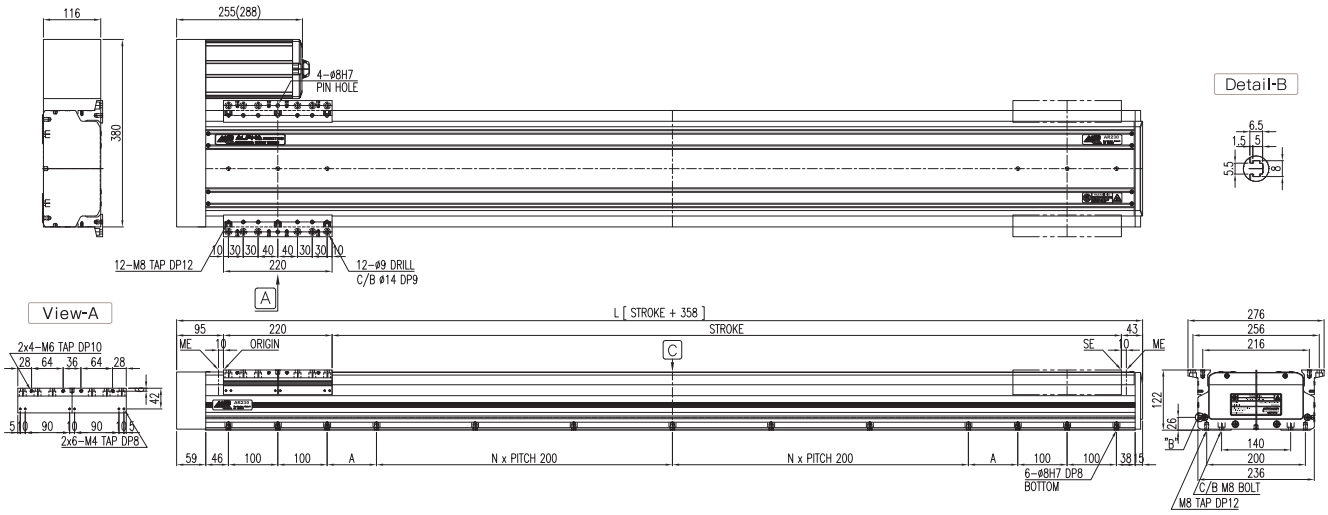
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	60	90	120	150
Note3 Allowable Overhang Distance - mm	Horizontal Use		0°	1000	835	605	470
			45°	1000	996	720	558
			90°	1000	1000	1000	1000
	Wall Installation Use		0°	1000	705	510	395
			45°	787	510	371	286
			90°	1000	880	640	495
	Vertical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

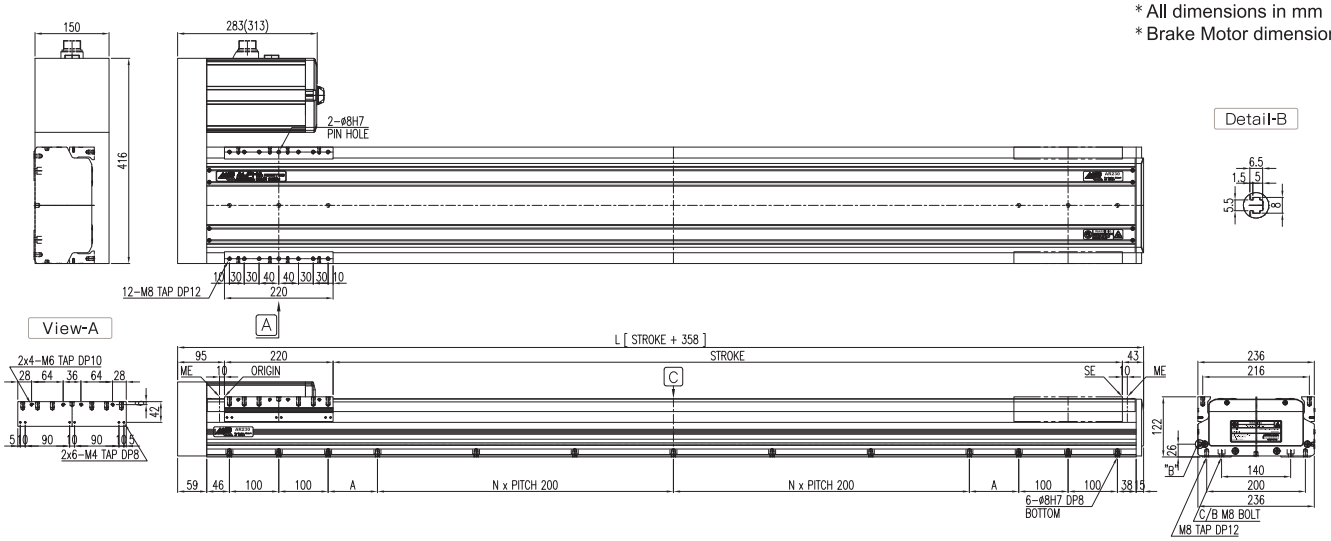
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR230-PL1/2-1KN	
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	

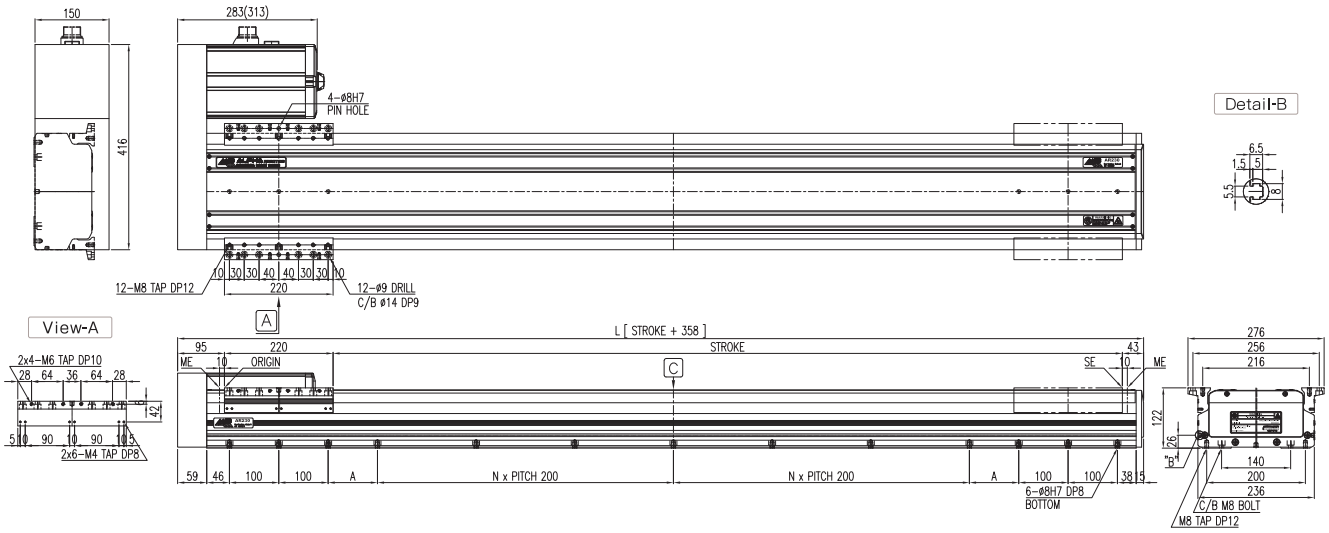
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm (Note3)	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	510	371	286
		90°	1000	880	640	495
	Vertical Use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

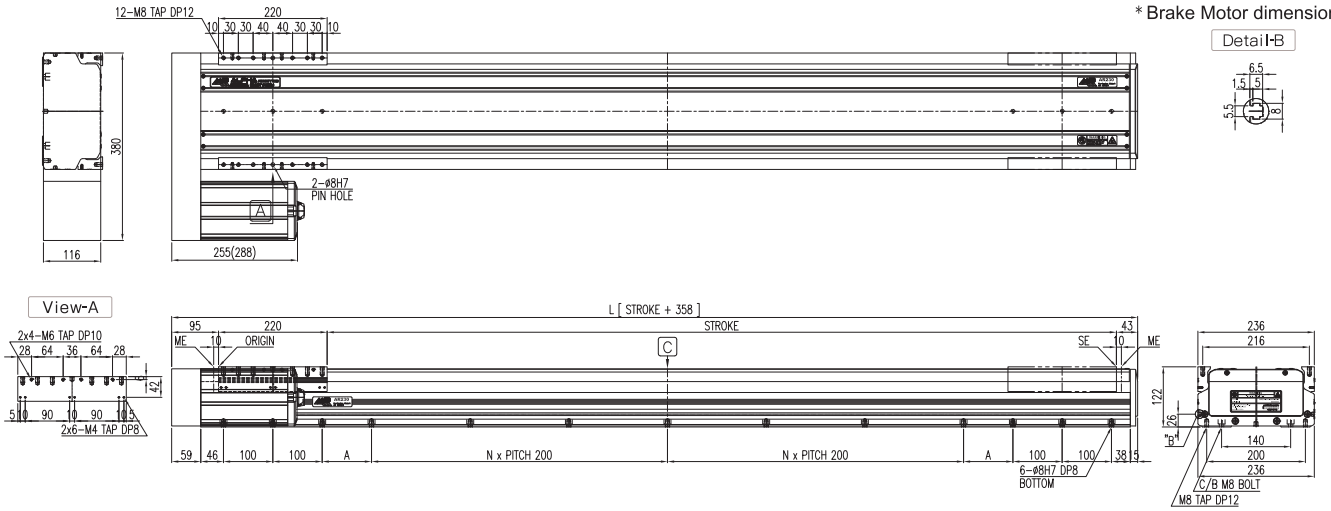
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

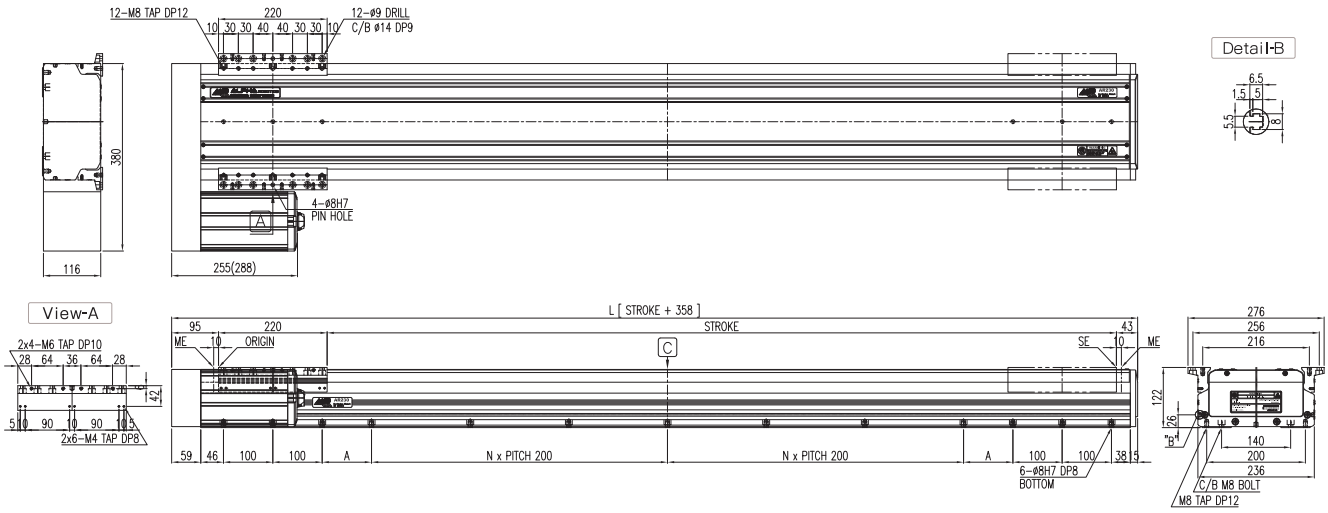
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use		0°	1000	835	605	470
			45°	1000	996	720	558
			90°	1000	1000	1000	1000
	Wall Installation Use		0°	1000	705	510	395
			45°	787	510	371	286
			90°	1000	880	640	495
	Vertical Use		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/s²)		
			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-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	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	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.

SPEC
ARM SERIES
AR SERIES
AG SERIES
AD SERIES
BR SERIES
BG SERIES
DAR SERIES
DBR SERIES
RS SERIES
MR SERIES
ADR SERIES
Technology Material

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

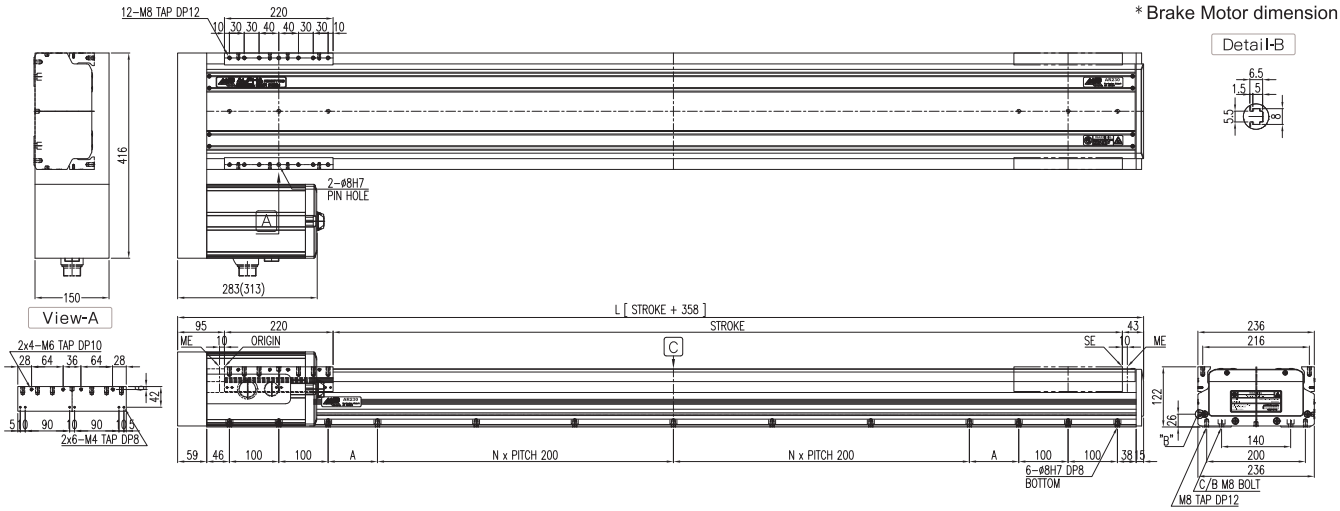
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	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	

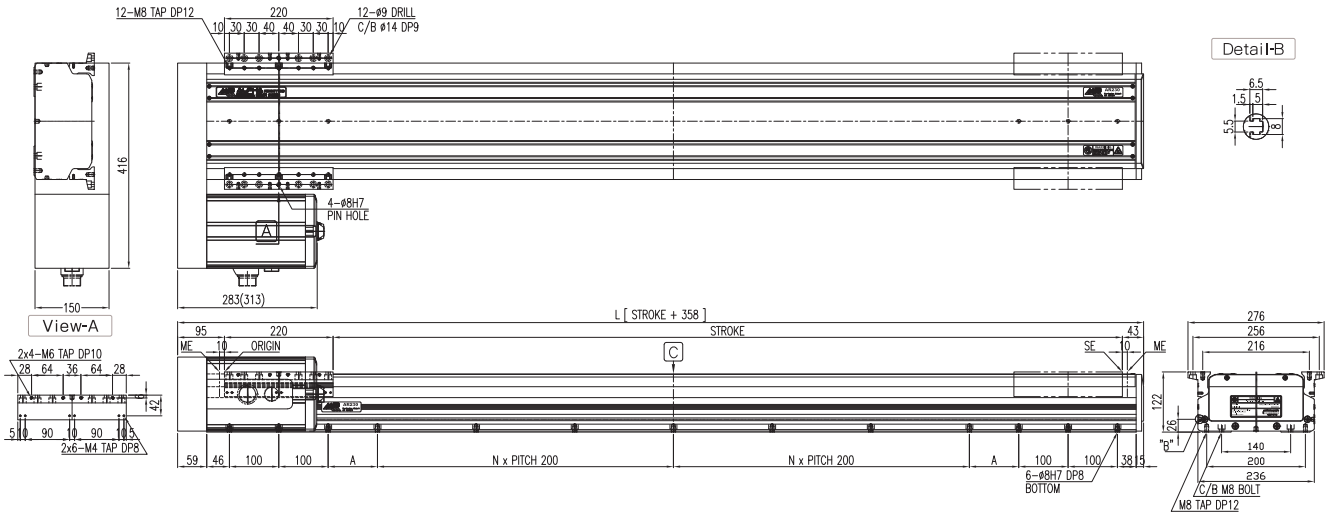
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use 	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use 	0°	1000	705	510	395
		45°	787	510	371	286
		90°	1000	880	640	495
	Vertical Use 	0°	1000	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/s²)		
		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-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	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				

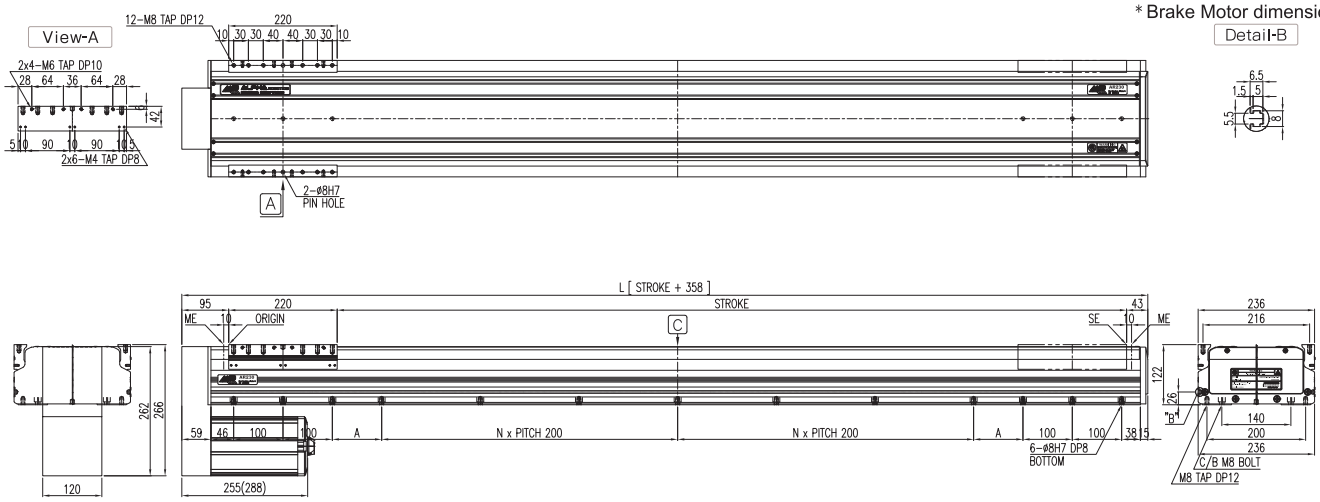
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

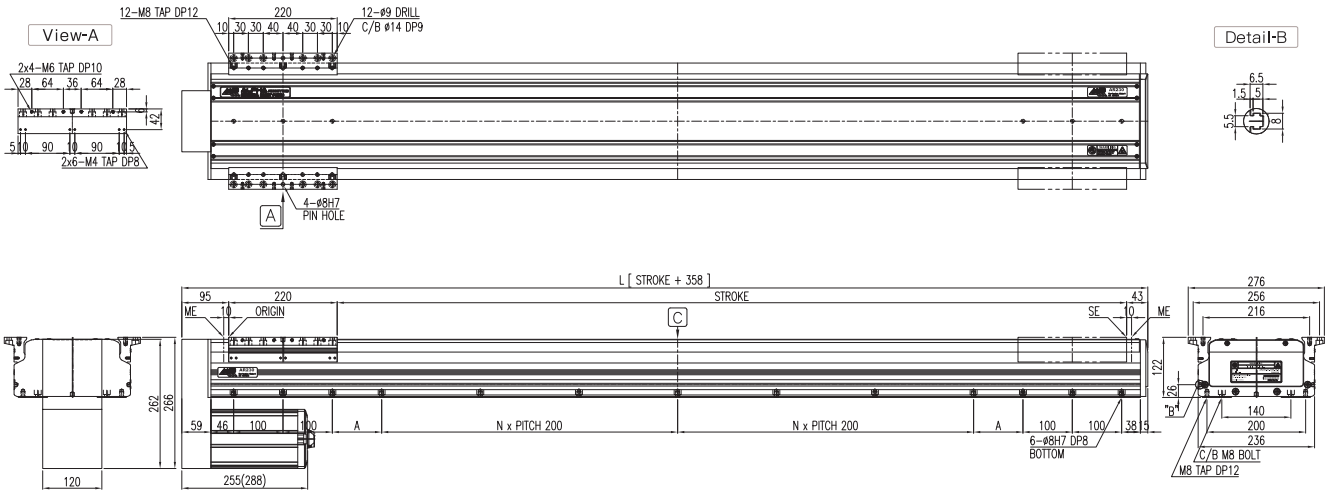
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Note3 Allowable Overhang Distance - mm: Horizontal Use 		0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
Wall Installation Use 		0°	1000	705	510	395
		45°	787	510	371	286
		90°	1000	880	640	495
Vertical Use 		0°	1000	780	580	465
		45°	754	507	377	299
		90°	1000	780	580	460
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



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	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	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	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.

SPEC
ARM SERIES
AR SERIES
AG SERIES
AD SERIES
BR SERIES
BG SERIES
DAR SERIES
DBR SERIES
RS SERIES
MR SERIES
ADR SERIES
Technology Material

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

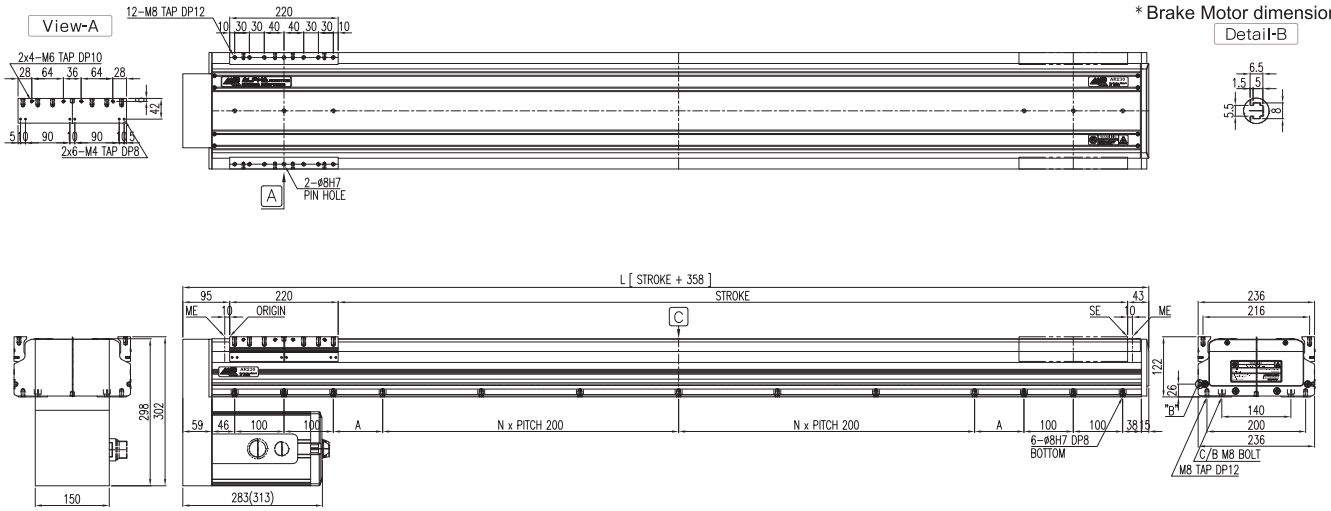
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AR230-PU 1/2-1 KN	
AR230-PU 1 			AR230-PU 2 	
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	

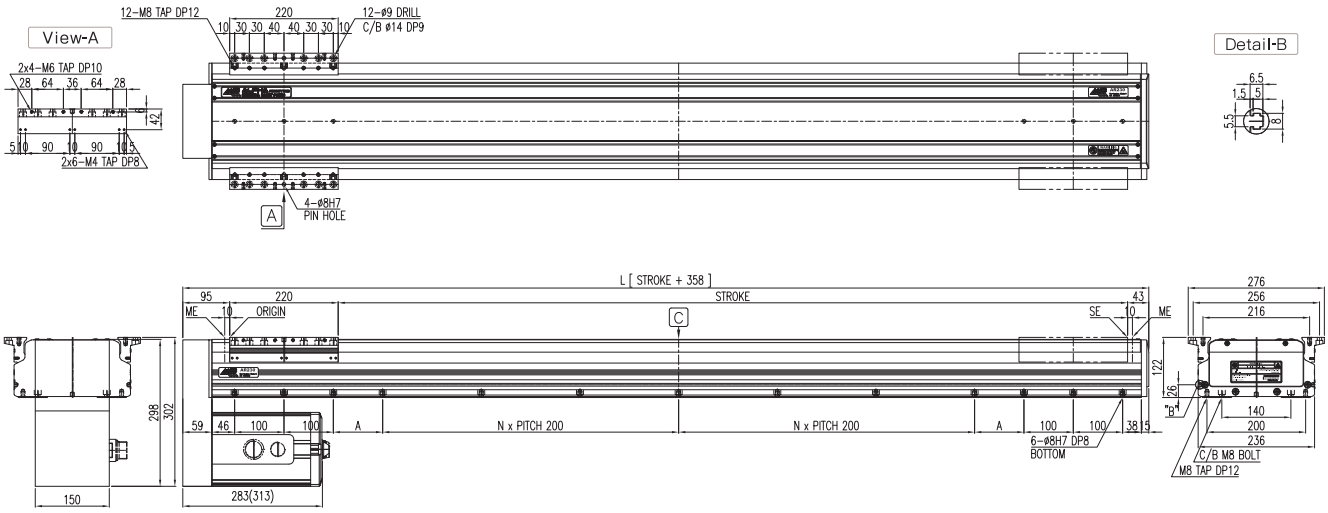
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use		0°	1000	835	605	470
			45°	1000	996	720	558
			90°	1000	1000	1000	1000
	Wall Installation Use		0°	1000	705	510	395
			45°	787	510	371	286
			90°	1000	880	640	495
	Vertical Use		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-PU 1

* All dimensions in mm
* Brake Motor dimension



AR230-PU2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	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	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	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				

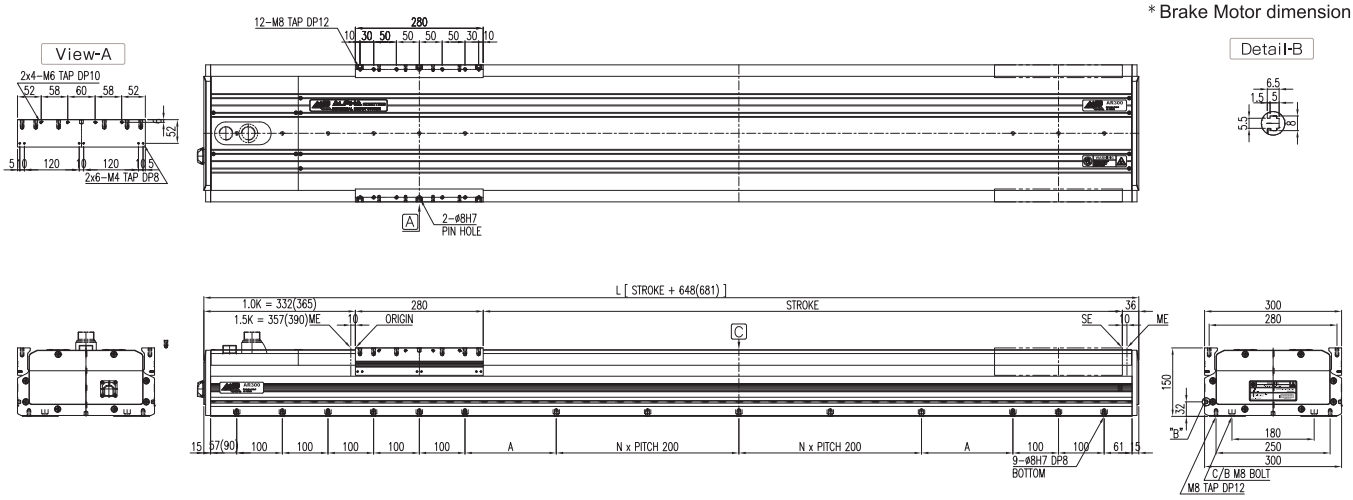
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

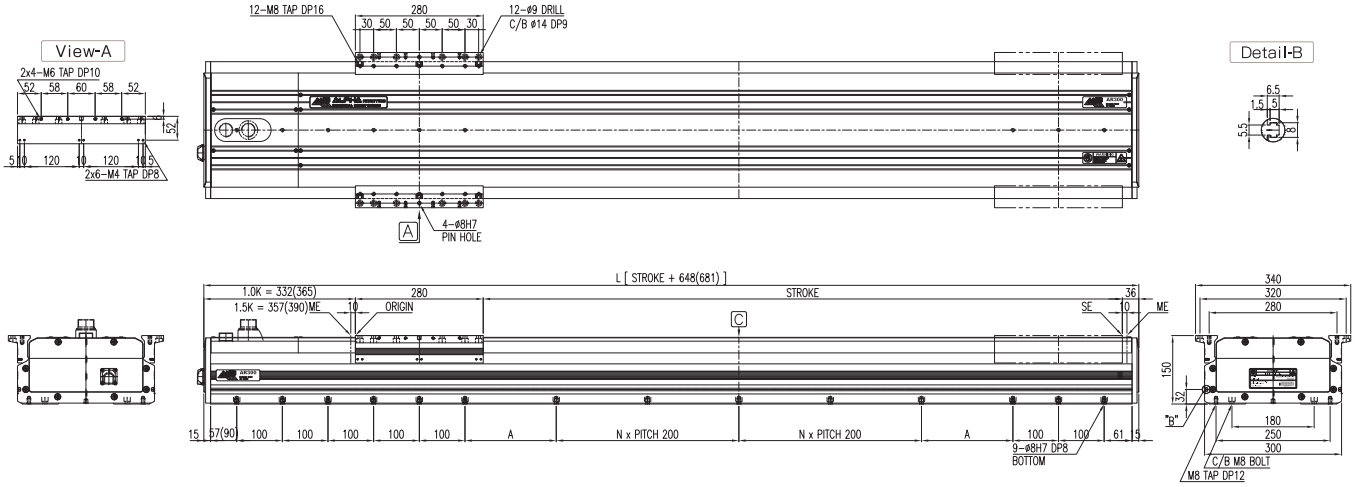
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	80	120	160	200
Allowable Overhang Distance - mm	Horizontal Use 	0°	1200	1195	870	675
		45°	1200	1200	1038	804
		90°	1200	1200	1200	1200
	Wall Installation Use 	0°	1200	1090	795	615
		45°	1170	761	553	429
		90°	1200	1200	910	710
	Vertical Use 	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				

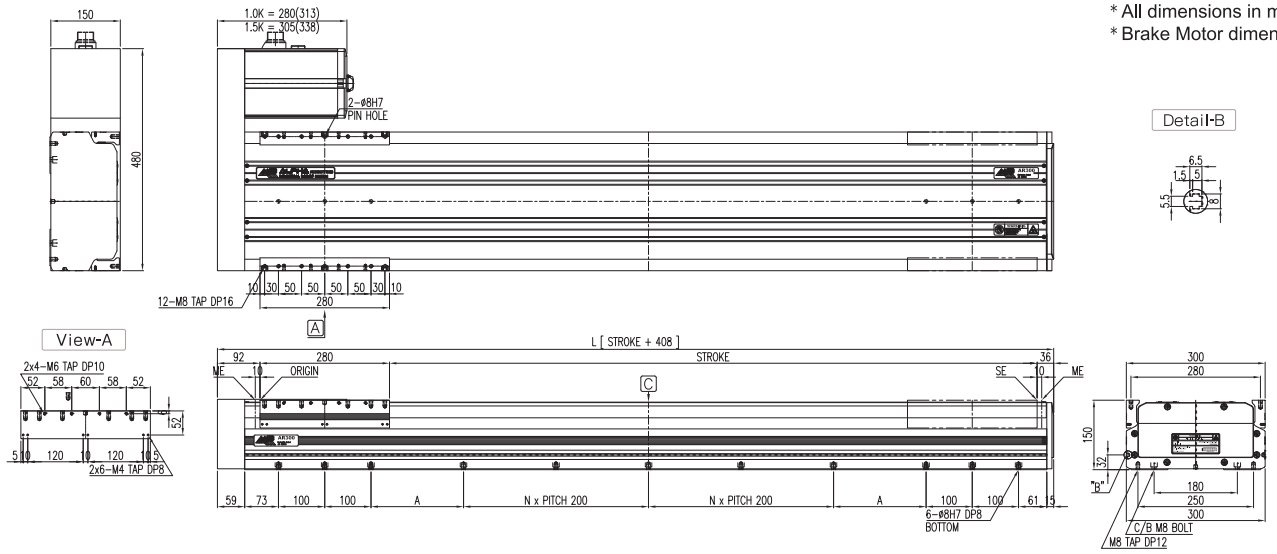
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

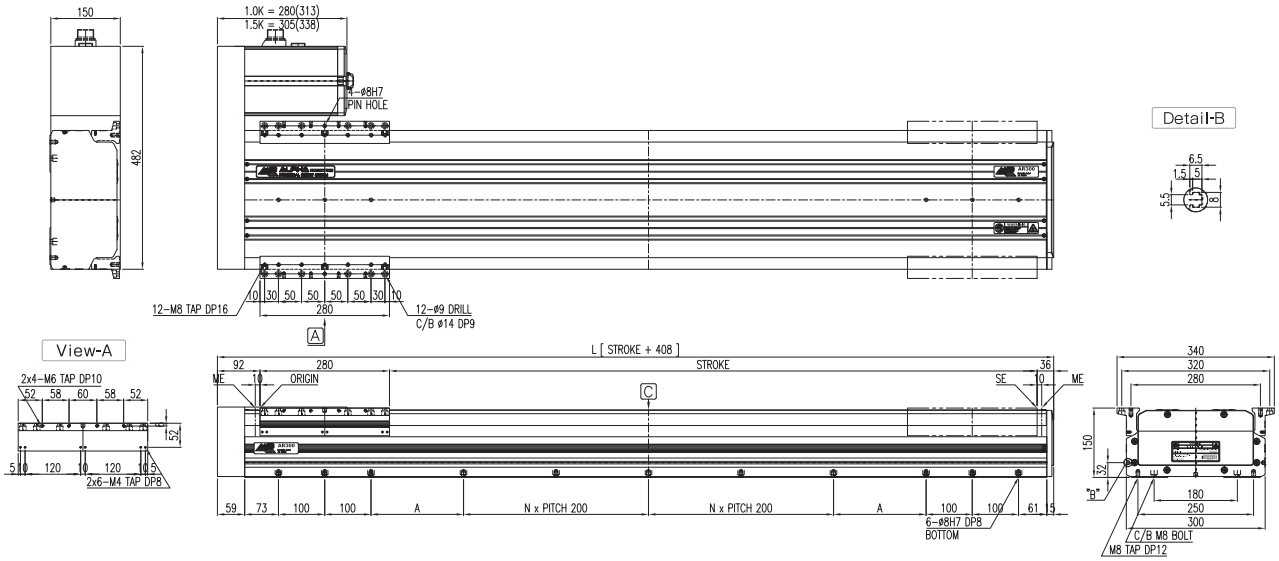
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	80	120	160	200
Note3 Allowable Overhang Distance - mm	Horizontal Use	0°	1200	1195	870	675
		45°	1200	1200	1038	804
		90°	1200	1200	1200	1200
	Wall Installation Use	0°	1200	1090	795	615
		45°	1170	761	553	429
		90°	1200	1200	910	710
	Vertical Use	0°	1200	1200	900	720
		45°	1170	780	585	468
		90°	1200	1200	900	720
	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



	Model / Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	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				

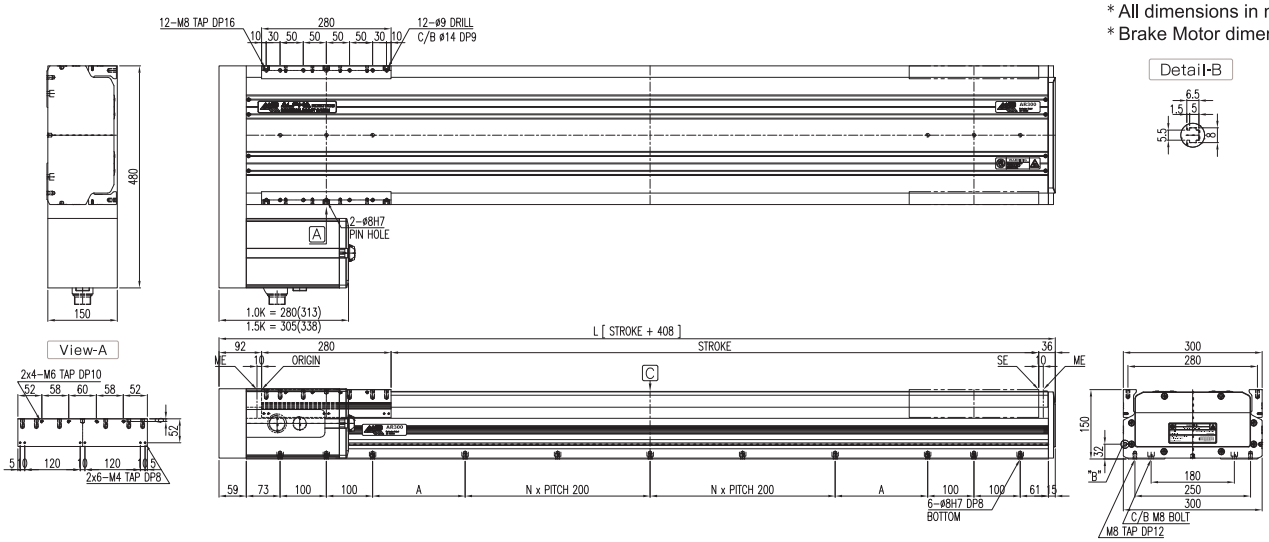
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

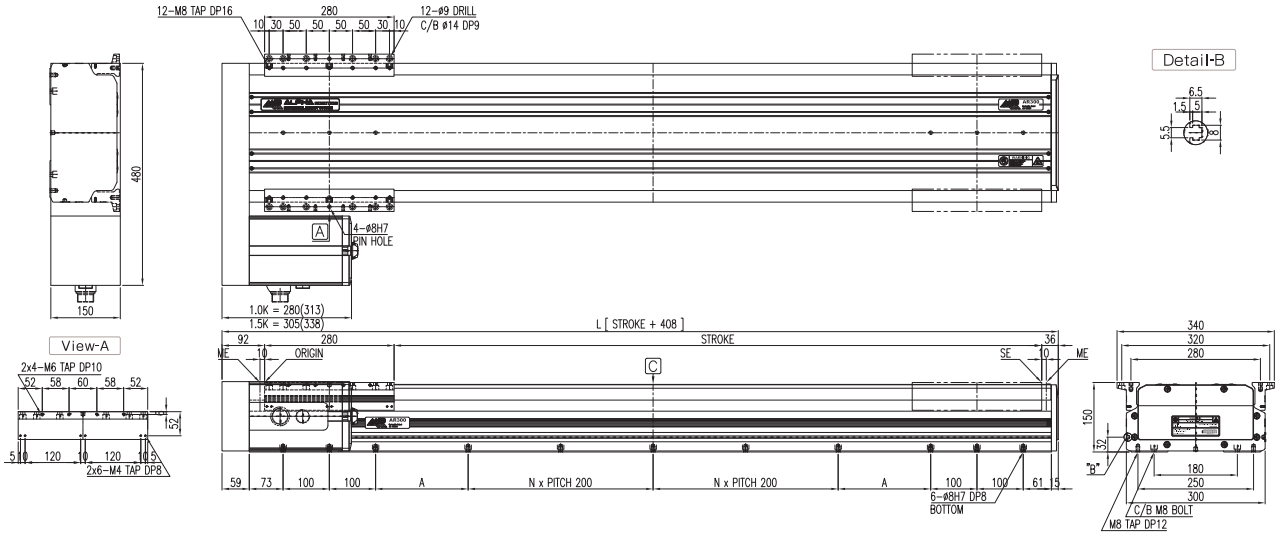
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	80	120	160	200
Note3 Allowable Overhang Distance - mm: Horizontal Use		0°	1200	1195	870	675
		45°	1200	1200	1038	804
		90°	1200	1200	1200	1200
Wall Installation Use		0°	1200	1090	795	615
		45°	1170	761	553	429
		90°	1200	1200	910	710
Vertical Use		0°	1200	1200	900	720
		45°	1170	780	585	468
		90°	1200	1200	900	720
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	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	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			

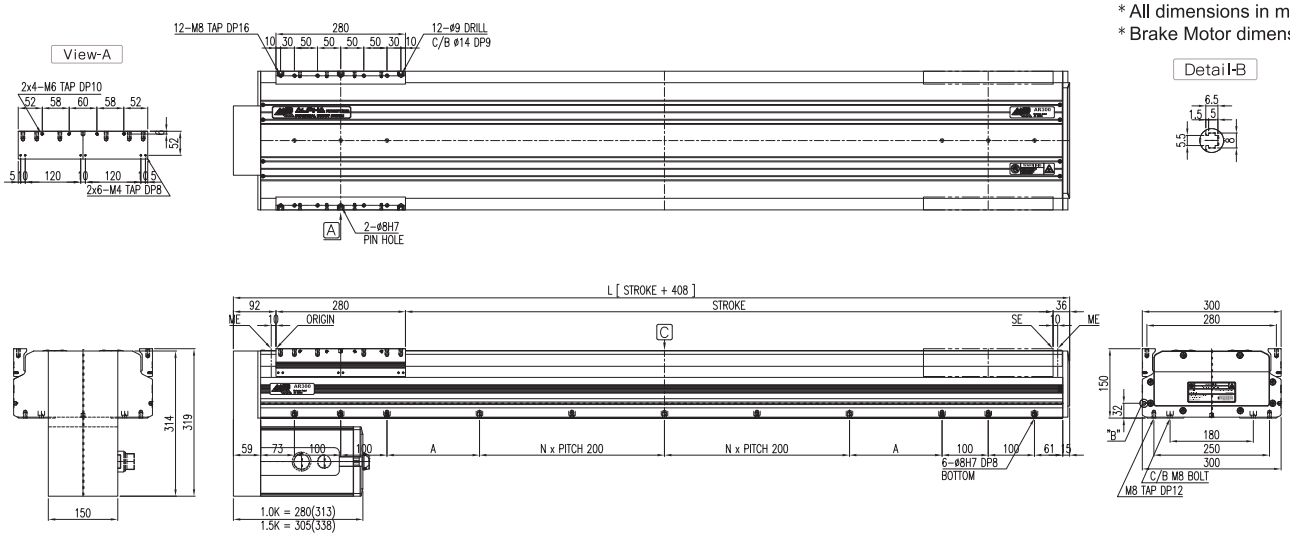
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max.Load indicates Vertical use.

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	

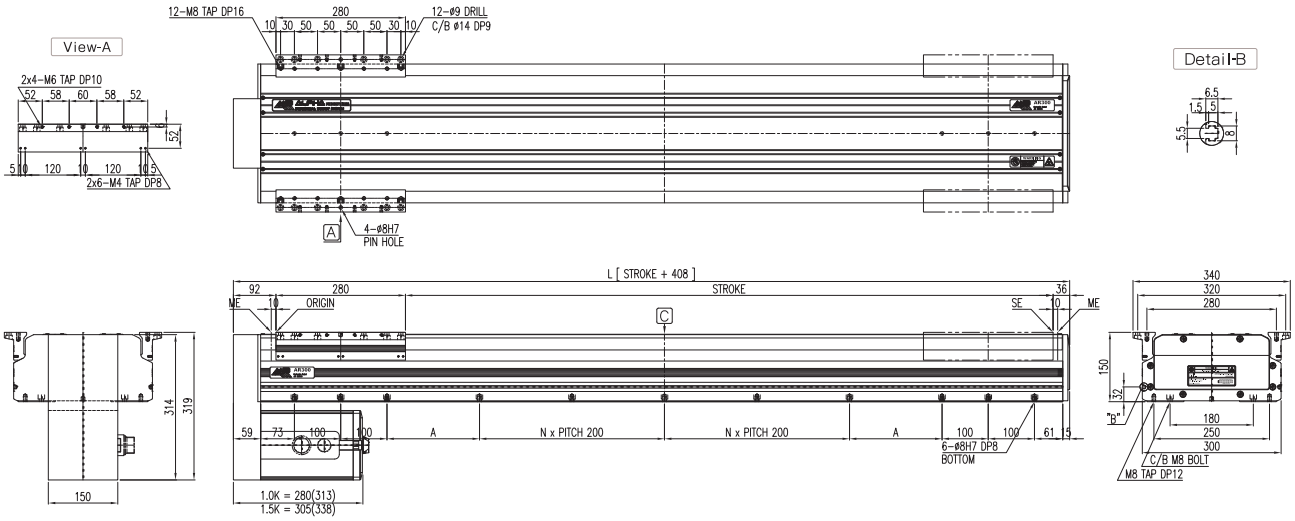
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	80	120	160	200
Allowable Overhang Distance - mm	Horizontal Use 	0°	1200	1195	870	675
		45°	1200	1200	1038	804
		90°	1200	1200	1200	1200
	Wall Installation Use 	0°	1200	1090	795	615
		45°	1170	761	553	429
		90°	1200	1200	910	710
	Vertical Use 	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.