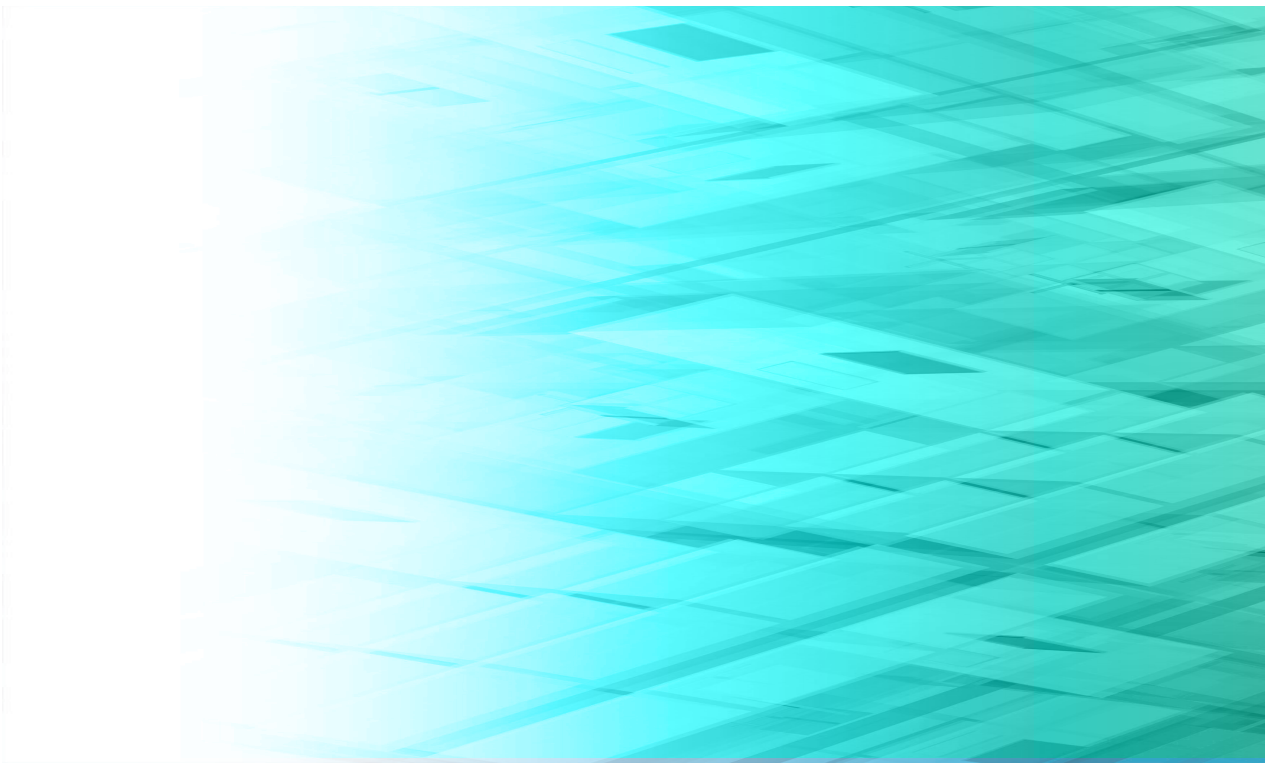
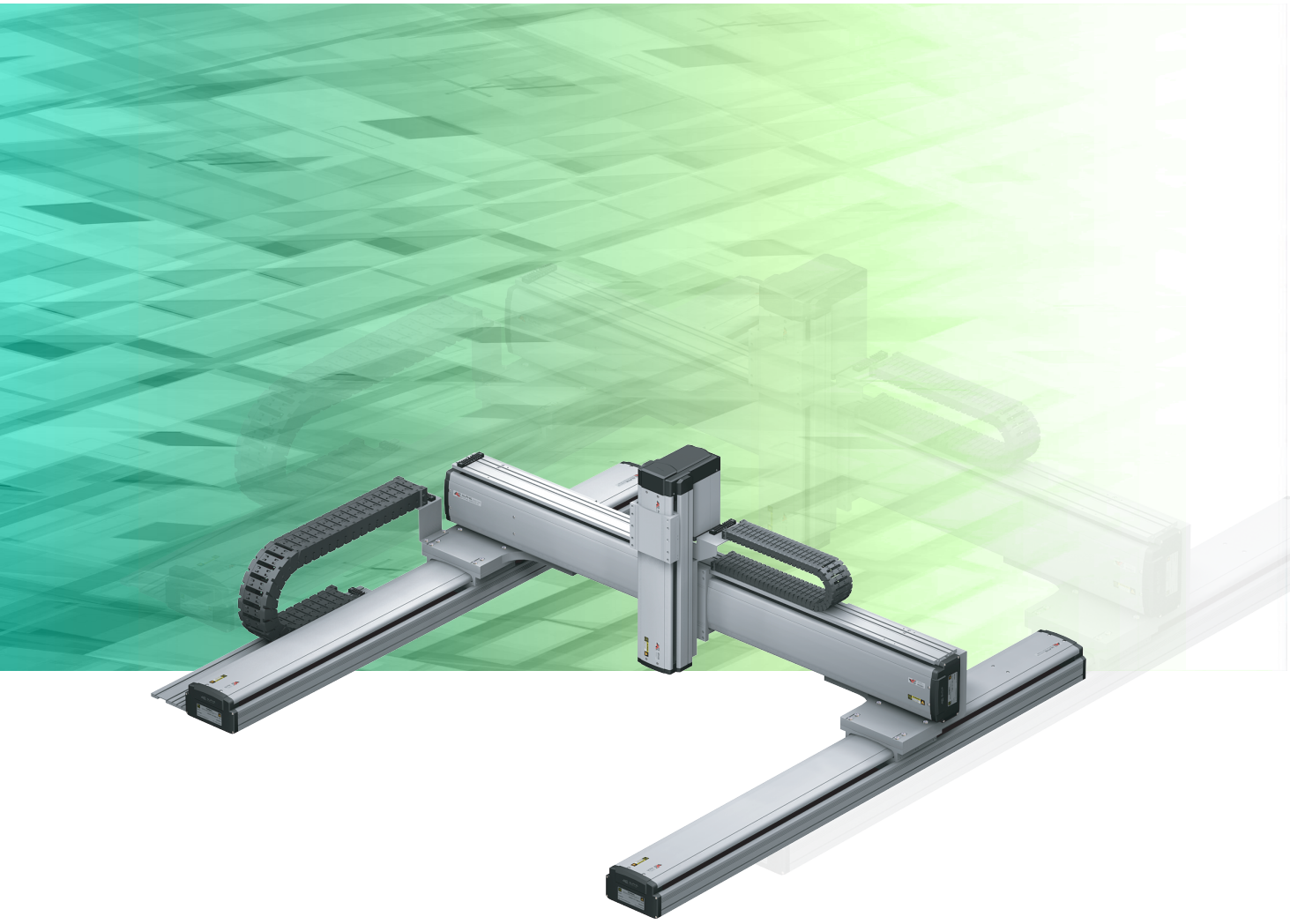
Alpha Gantry Robot

AG

Ball Screw Series





Characteristics

- Side mounting type
  측면 고정용 타입
- With optimized type for gantry system, minimized sagging against high load
  갠트리방식 설치에 최적으로 고하중에서의 처짐량을 최소화 시킴
- Positioning repeatability ±0.02mm (Option : ±0.005mm)
  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
- Designed to be configurated variously, wide-ranging application available
  다양한 조합이 가능하도록 설계되어 적용시 유용성 실현

ORDER INFORMATION

A AG SERIES

AG180	-	S	1	-	500	-	40	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	C	75	-	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

AG SERIES — ALPHA Gantry Robot

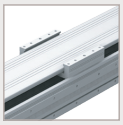

AG180X

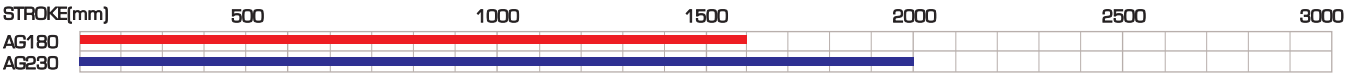

AG230Y


AG180X


AG230Y

S		Straight Normal Type			
PL		Parallel Left Type	PR		Parallel Right Type
PU		Parallel Under Type			

1	Normal Type		
2	Plane Type		



40	400W	75	750W	1K	1000W
N	Without Baake	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

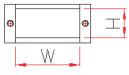
2 Attaching Type

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	C	28×55	D	28×75
Cleanroom	IGUS	G	29×60	H	29×80
	TSUBAKI	K	28×60	L	28×80

* Please see the catalogue A35.3 for more information of cableveyor.

5 The radius of curvature (mm)

55	R50 ~ R55	75	R70 ~ R75	95	R90 ~ R95

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

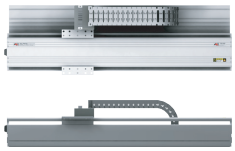
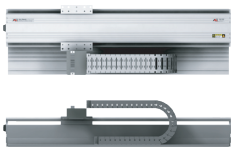
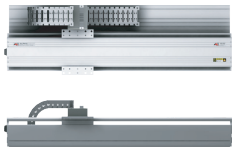
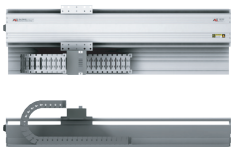
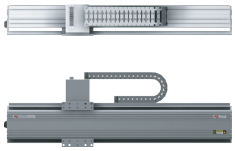
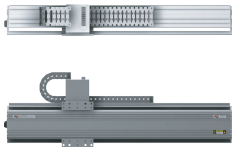
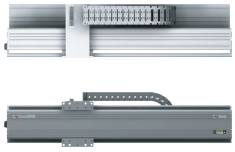
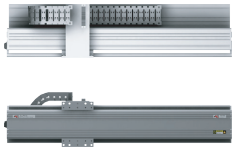
* Please do not hesitate to contact us when the cable is applied more than 10m.

B ORDER INFORMATION - OPTIONS

2 3 4 5 Cableveyor Selecting Options

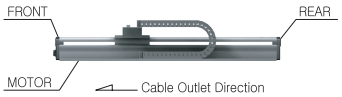
Series	Applicable Type			
	Horizontal	Wall Hanging	Rear	Double
AG	●	●	●	

2 3

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

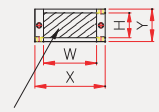
3

Cableveyor Directions

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

4 5 * Cableveyor Selecting

Unit : mm



Wiring space (Pic 10-1)

STANDARD								CLEANROOM													
Selecting Item	Internal dimentions H	Internal dimentions W	External dimentions Y	External dimentions X	Radius R	Capacity (mm²) NOTE2 Origin		Selecting Item	Internal dimentions H	Internal dimentions W	External dimentions Y	External dimentions X	Radius R	Capacity (mm²) NOTE2 Origin		Selecting Item	Internal dimentions H	Internal dimentions W	External dimentions Y	External dimentions X	Radius R	Capacity (mm²) NOTE2 Origin
A	24	47	31	59.5	45	1128		F	29	40	35	59.5	45	1160		J	28	40	35	60	45	1120
B	28	35	35	79.5	55	980		G		60		79.5	55	1740		K		60		80	55	1680
C		55		99.5	75	1540		H		80		99.5	75	2320		L		80		100	75	2240
D		75		119.5	95	2100		I		100		119.5	95	2900		M		100		120	95	2800
E		100		139.5	100	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%

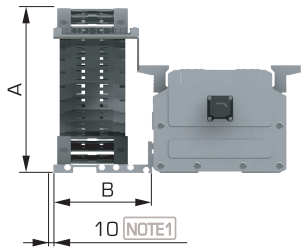
주의

*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



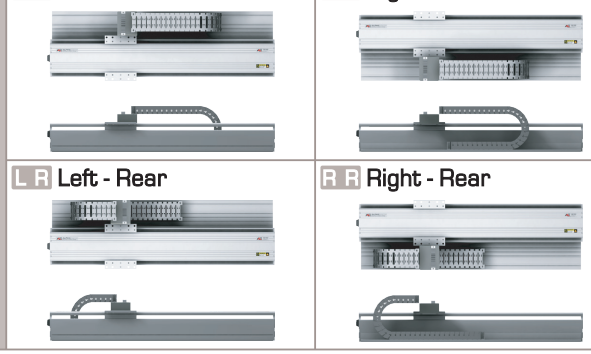
BASE SIZE	CABLEVEYOR		S1		S2	
	Bending radius R	Internal dimentions	A	B	A	B
AG180	R075	55, 60	228	138	228	118
		75, 80	228	138	228	118
AG230	R095	55, 60	254	138	254	138
		75, 80	254	138	254	138



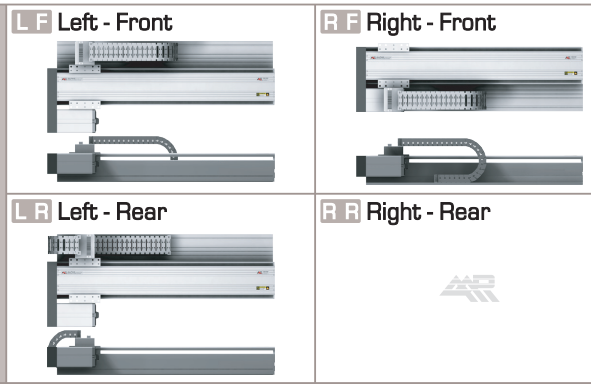


3 NOTE2 Cableveyor Directions

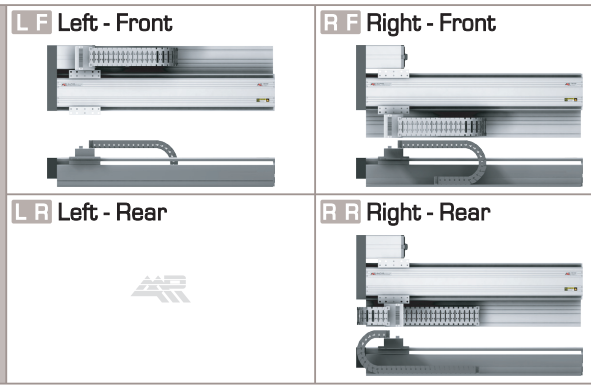
S type



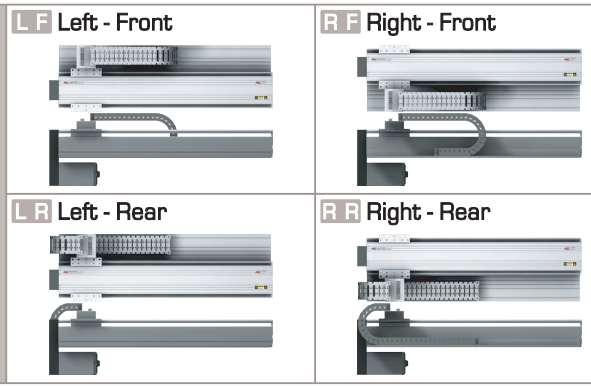
PR type



PL type



PU type

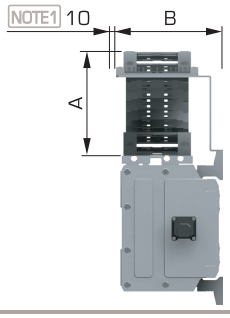


NOTE1 This is a minimum space allowance between Cableveyor and external interference when robot drives.
NOTE2 For the information of Cable veyor of blank, please contact a distributor or our company.

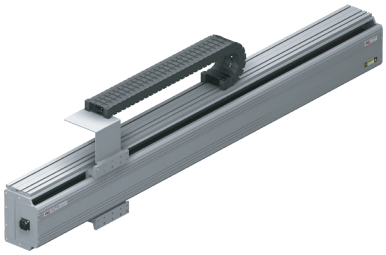
NOTE1 로봇을 구동할 때에 케이블베어와 외부 간섭과의 최소여유치수입니다.
NOTE2 빈칸의 케이블베어 장착은 영업점 및 폐사에 문의 바랍니다.

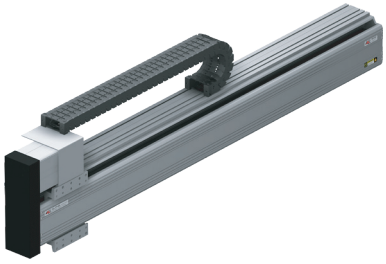
B ORDER INFORMATION

2 W Wall Hanging Type



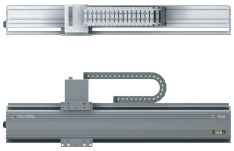
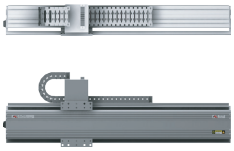
BASE SIZE	CABLEVEYOR		S1		S2	
	Bending radius R	Internal dimentions	A	B	A	B
AG180	R055	55, 60	174	148	174	148
		75, 80	174	148	174	148
AG230	R055	55, 60	174	158	174	158
		75, 80	174	158	174	158



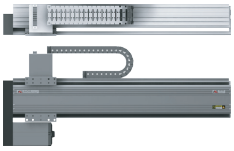
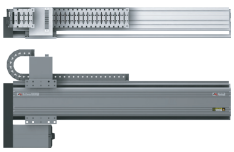


3 NOTE2 Cableveyor Directions

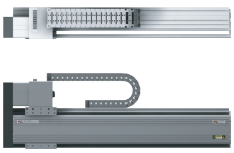
S type

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

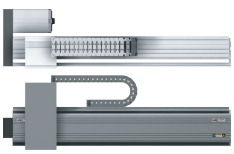
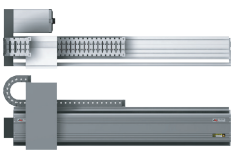
PR type

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

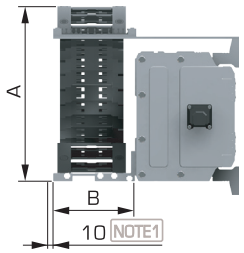
L F Left - Front 	R F Right - Front
L R Left - Rear 	R R Right - Rear

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.
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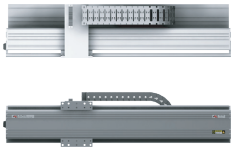
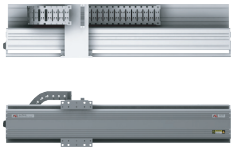
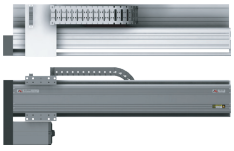
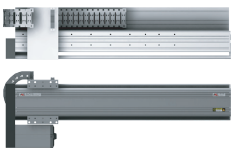
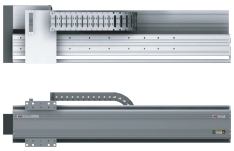
B ORDER INFORMATION

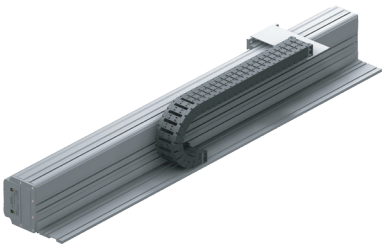
2 R Rear Type



BASE SIZE	CABLEVEYOR		S1		S2	
	Bending radius R	Internal dimentions	A	B	A	B
AG180	R095	55, 60	258	98	258	98
		75, 80	258	118	258	118
AG230	R095	55, 60	308	98	308	98
		75, 80	308	118	308	118

3 NOTE2 Cableveyor Directions

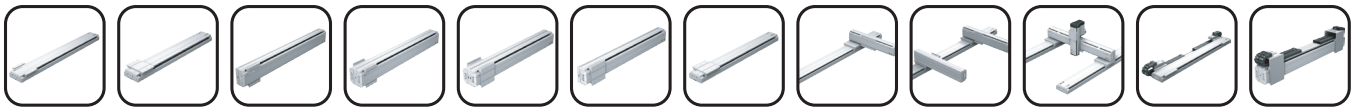
S type	L F Left - Front 	R F Right - Front
	L R Left - Rear 	R R Right - Rear
PR type	L F Left - Front 	R F Right - Front
	L R Left - Rear 	R R Right - Rear
PU type	L F Left - Front 	R F Right - Front
	L R Left - Rear	R R Right - Rear





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NOTE2 For the information of Cable veyor of blank, please contact a distributor or our company.

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

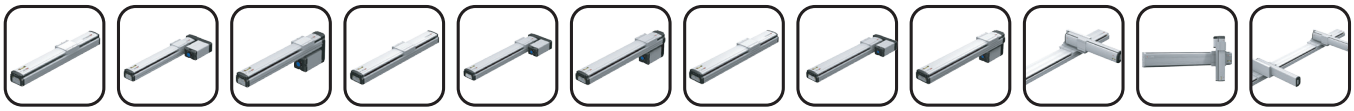




ALPHA ROBOT SPECIFICATIONS

Product		Rated Output	Ball Screw ※1		Max. Speed ※3		Max. Load (H)					Max. Load (V)				
		w	E.D	Lead	mm/s		50	100	150	200	kg	50	100	150	200	kg
AG SERIES	180 X	400	ϕ20	10	N	500					70					40
		400	ϕ20 ※2	20	H	1000					25					20
		750	ϕ20 ※3	10	N	500					80					60
		750	ϕ20 ※3	20	H	1000					70					40
		750	ϕ25 ※3	10	N	500					80					60
		750	ϕ25 ※3	20	H	100					70					40
	230 X	750	ϕ20	10	N	500					150					60
		750	ϕ20	20	H	1000					90					38
		750	ϕ25	10	N	500					150					60
		750	ϕ25	20	H	1000					70					38
		1K	ϕ20	10	N	330					150					140
		1K	ϕ20	20	H	660					150					80
		1K	ϕ25	10	N	330					150					140
		1K	ϕ25	20	H	660					150					80
	180 Y	400	ϕ20	10	N	500					70					40
		400	ϕ20 ※2	20	H	1000					25					20
		750	ϕ20 ※3	10	N	500					80					60
		750	ϕ20 ※3	20	H	1000					70					40
		750	ϕ25 ※3	10	N	500					80					60
		750	ϕ25 ※3	20	H	100					70					40
	230 Y	750	ϕ20	10	N	500					150					60
		750	ϕ20	20	H	1000					90					38
		750	ϕ25	10	N	500					150					60
		750	ϕ25	20	H	1000					70					38
		1K	ϕ20	10	N	330					150					140
		1K	ϕ20	20	H	660					150					80
		1K	ϕ25	10	N	330					150					140
		1K	ϕ25	20	H	660					150					80

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



PRO GRAM | mm | mm/s | kg

Repeatability	Max. Stroke ※4																									Page no.
mm	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	mm	
±0.02	500				478			391		325	275	235	204													1300	B36.1 ~ 4
±0.02	1000				957			782		651	550	471	408	357	314	279										1600	B36.1 ~ 4
±0.02	500				478			391		325	275	235	204													1300	B36.1 ~ 4
±0.02	1000				957			782		651	550	471	408	357	314	279										1600	B36.1 ~ 4
±0.02	500					424			358		307		266													1300	B36.1 ~ 4
±0.02	1000					848			717		614		532	465	410	364										1600	B36.1 ~ 4
±0.02	500				478			391		325	275	235	204	178	157	140										1600	B37.1 ~ 8
±0.02	1000				957			782		651	550	471	408	357	314	279	250	225	203	185						2000	B37.1 ~ 8
±0.02	500					424			358		307		266	232	205	182	163	146	132	120						2000	B37.1 ~ 8
±0.02	1000					848			717		614		532	465	410	364	326	293	265	241						2000	B37.1 ~ 8
±0.02	330					325			275		235		204	178	157	140										1600	B37.1 ~ 8
±0.02	660					651			550		471		408	357	314	279	250	225	203	185						2000	B37.1 ~ 8
±0.02	330						307			266		232		205	182	163	146	132	120							2000	B37.1 ~ 8
±0.02	660						614			532		465		410	364	326	293	265	241							2000	B37.1 ~ 8
±0.02	500				478			391		325	275	235	204													1300	B38.1 ~ 4
±0.02	1000				957			782		651	550	471	408	357	314	279										1600	B38.1 ~ 4
±0.02	500				478			391		325	275	235	204													1300	B38.1 ~ 4
±0.02	1000				957			782		651	550	471	408	357	314	279										1600	B38.1 ~ 4
±0.02	500					424			358		307		266													1300	B38.1 ~ 4
±0.02	1000					848			717		614		532	465	410	364										1600	B38.1 ~ 4
±0.02	500				478			391		325	275	235	204	178	157	140										1600	B39.1 ~ 8
±0.02	1000				957			782		651	550	471	408	357	314	279	250	225	203	185						2000	B39.1 ~ 8
±0.02	500					424			358		307		266	232	205	182	163	146	132	120						2000	B39.1 ~ 8
±0.02	1000					848			717		614		532	465	410	364	326	293	265	241						2000	B39.1 ~ 8
±0.02	330					325			275		235		204	178	157	140										1600	B39.1 ~ 8
±0.02	660					651			550		471		408	357	314	279	250	225	203	185						2000	B39.1 ~ 8
±0.02	330						307			266		232		205	182	163	146	132	120							2000	B39.1 ~ 8
±0.02	660						614			532		465		410	364	326	293	265	241							2000	B39.1 ~ 8

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

Model | **AG180X-S** | AG180X-PL | AG180X-PR | AG180X-PU

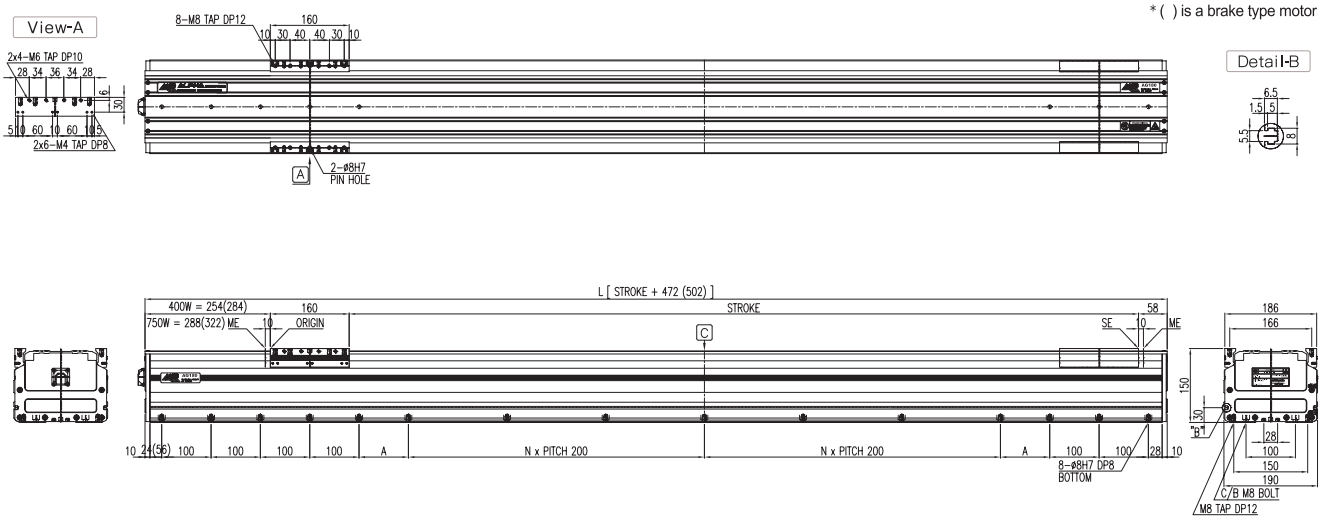
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG180X-S1/2-40N/75N	
AG180X-S1			AG180X-S2	
Rated Output		W	400W, 3000 min^{-1}	750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:70 (25) V:40 (20)	H:80 (70) V:60 (40)
Stroke Range		mm	100 ~ 1600	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

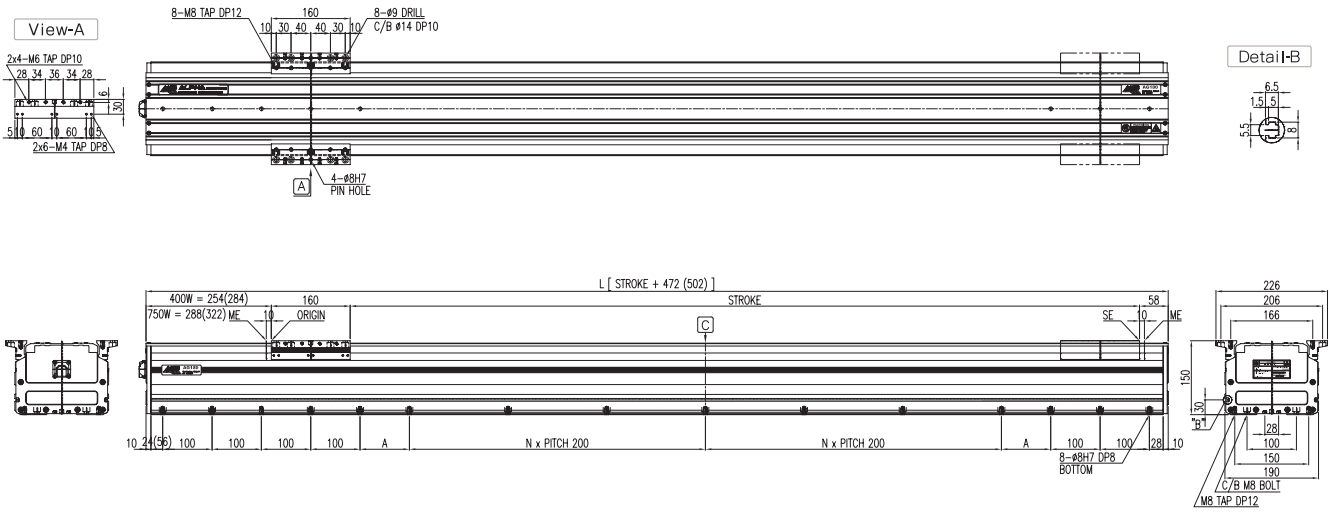
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	40	60	80
Allowable Overhang Distance - mm	Horizontal Use	0°	850	850	560	405
		45°	850	850	660	480
		90°	850	850	850	850
	Wall Installation Use	0°	850	635	410	296
		45°	850	494	319	230
		90°	850	850	605	440
	Vertical Use	0°	850	680	455	340
		45°	850	442	299	221
		90°	850	680	450	340
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

AG180X-S1

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



AG180X-S2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG180X-S-40N	kg	24.0	27.3	30.6	33.9	37.2	40.6	43.9	47.2	50.5	53.8	3.32
	AG180X-S-75N	kg	29.9	33.2	36.5	39.8	43.2	46.5	49.8	53.1	56.4	59.8	3.32
Speed	AG180X-S-N	mm/s	500							478	391	325	Note4
	AG180X-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

AG180X SERIES

ALPHA ROBOTICS

Model | AG180X-S | **AG180X-PL** | AG180X-PR | AG180X-PU

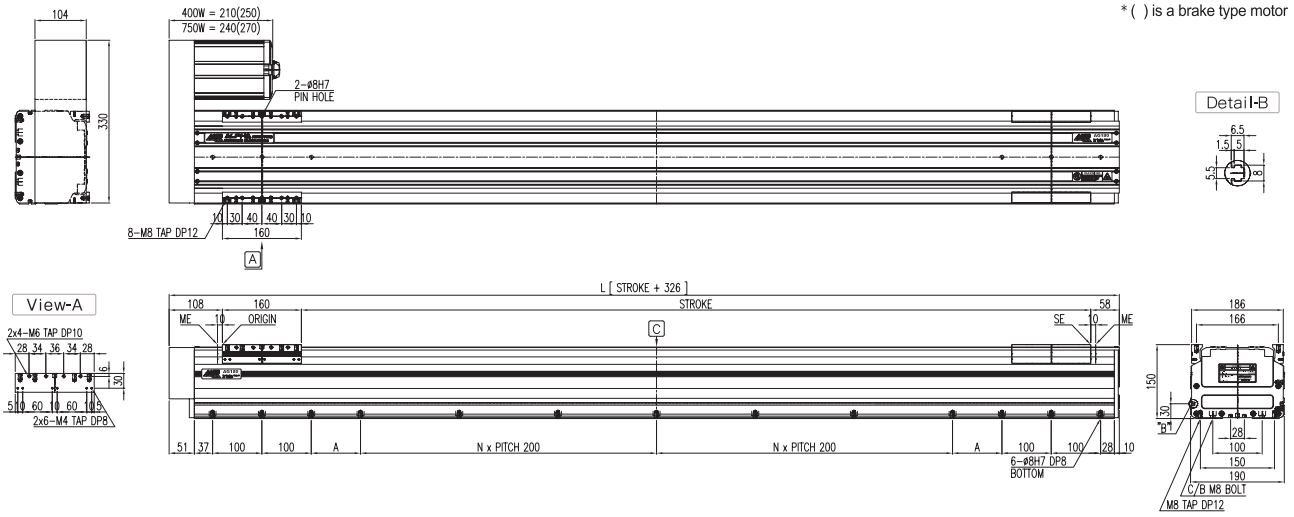
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG180X-PL1/2-40N/75N	
AG180X-PL1	AG180X-PL2			
Rated Output		W	400W, 3000 min^{-1}	750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:70 (25) V:40 (20)	H:80 (70) V:60 (40)
Stroke Range		mm	100 ~ 1600	
Repeatability		mm	±0.02	
Drive Type		-	BALL SCREW	

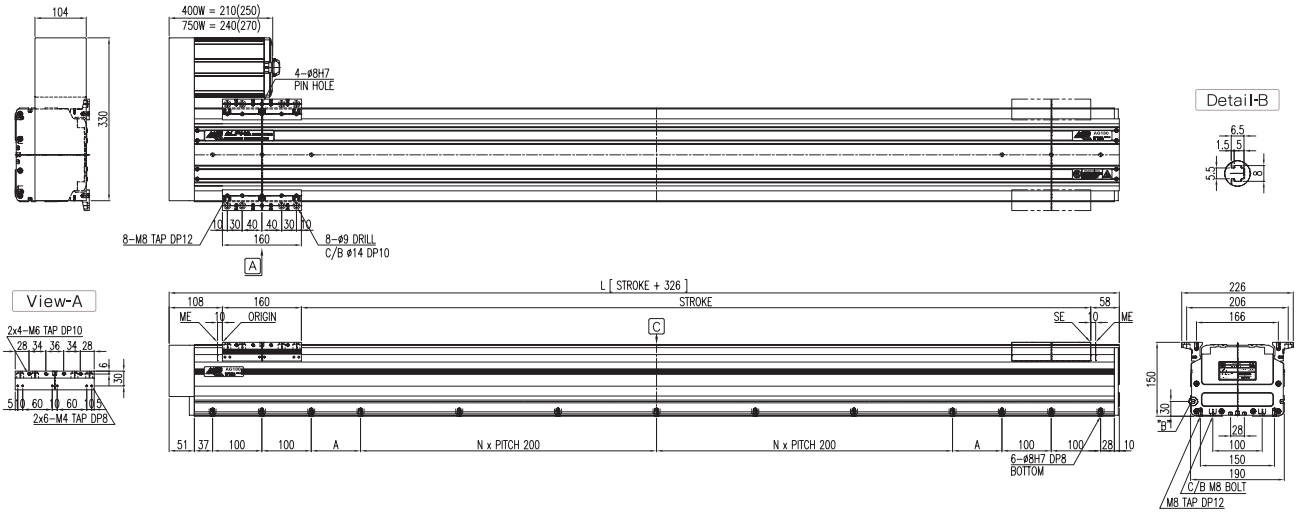
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	40	60	80
Allowable Overhang Distance - mm	Horizontal Use	0°	850	850	560	405
		45°	850	850	660	480
		90°	850	850	850	850
	Wall Installation Use	0°	850	635	410	296
		45°	850	494	319	230
		90°	850	850	605	440
	Vertical Use	0°	850	680	455	340
		45°	850	442	299	221
		90°	850	680	450	340
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

AG180X-PL1

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



AG180X-PL2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG180X-PL-40N	kg	21.1	24.4	27.8	31.1	34.4	37.7	41.0	44.4	47.7	51.0	3.32
	AG180X-PL-75N	kg	24.4	27.7	31.1	34.4	37.7	41.0	44.3	47.7	51.0	54.3	3.32
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG180X-PL-N	mm/s	500							478	391	325	Note4
	AG180X-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | AG180X-S | AG180X-PL | **AG180X-PR** | AG180X-PU

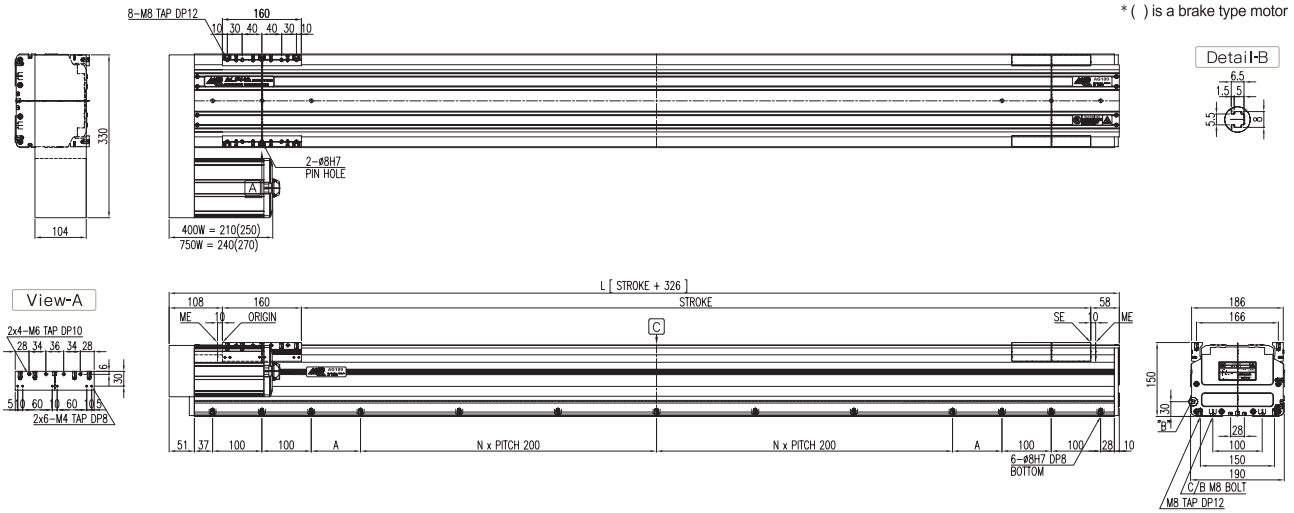
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG180X-PR1/2-40N/75N	
AG180X-PR1				
AG180X-PR2				
Rated Output		W	400W, 3000 min^{-1}	750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:70 (25) V:40 (20)	H:80 (70) V:60 (40)
Stroke Range		mm	100 ~ 1600	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

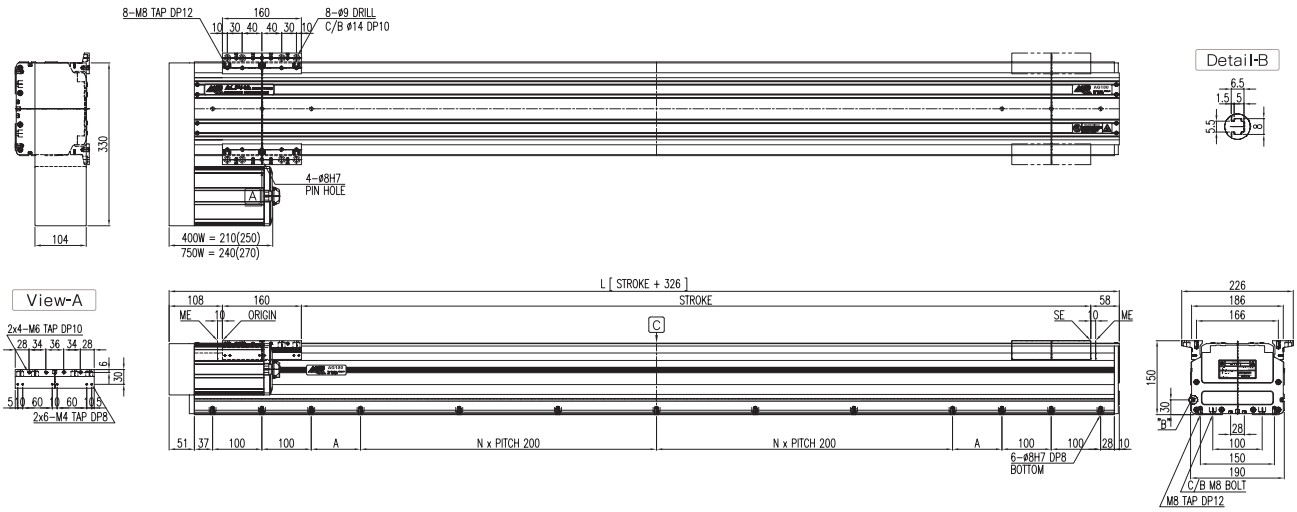
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	20	40	60	80
Allowable Overhang Distance - mm	Horizontal Use	0°		850	850	560	405
		45°		850	850	660	480
		90°		850	850	850	850
	Wall Installation Use	0°		850	635	410	296
		45°		850	494	319	230
		90°		850	850	605	440
	Vertical Use	0°		850	680	455	340
		45°		850	442	299	221
		90°		850	680	450	340
Note3	Estimated Condition			Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
				Life in traveled distance : 30000 km			

AG180X-PR1

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



AG180X-PR2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG180X-PR-40N	kg	21.1	24.4	27.8	31.1	34.4	37.7	41.0	44.4	47.7	51.0	3.32
	AG180X-PR-75N	kg	24.4	27.7	31.1	34.4	37.7	41.0	44.3	47.7	51.0	54.3	3.32

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG180X-PR-N	mm/s	500							478	391	325	Note4
	AG180X-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | AG180X-S | AG180X-PL | AG180X-PR | **AG180X-PU**

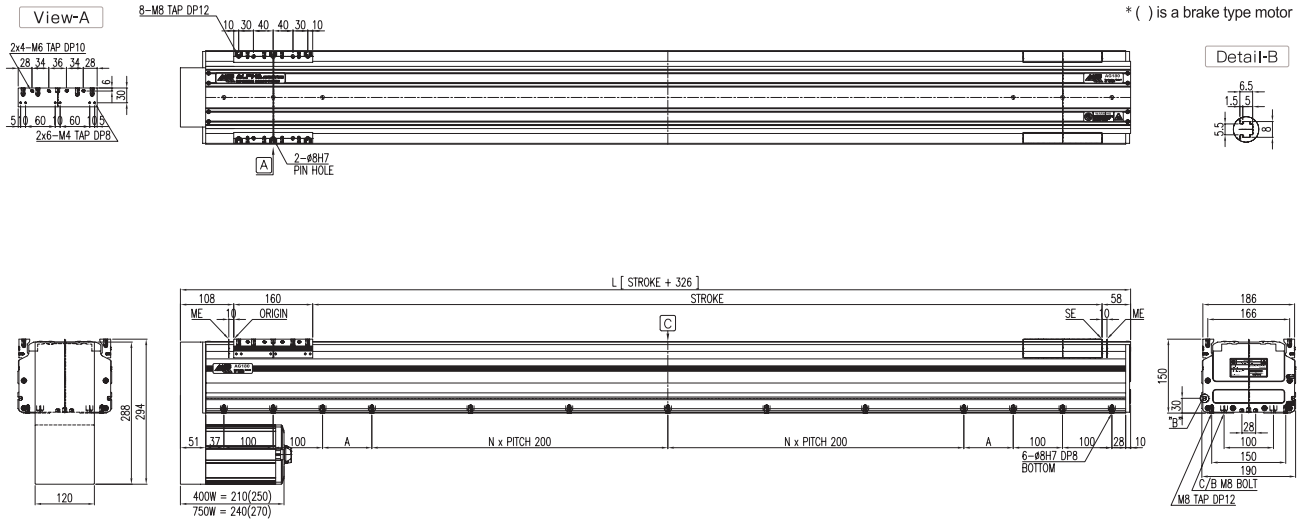
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG180X-PU1/2-40N/75N	
AG180X-PU1			AG180X-PU2 	
Rated Output		W	400W, 3000 min^{-1}	750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:70 (25) V:40 (20)	H:80 (70) V:60 (40)
Stroke Range		mm	100 ~ 1600	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

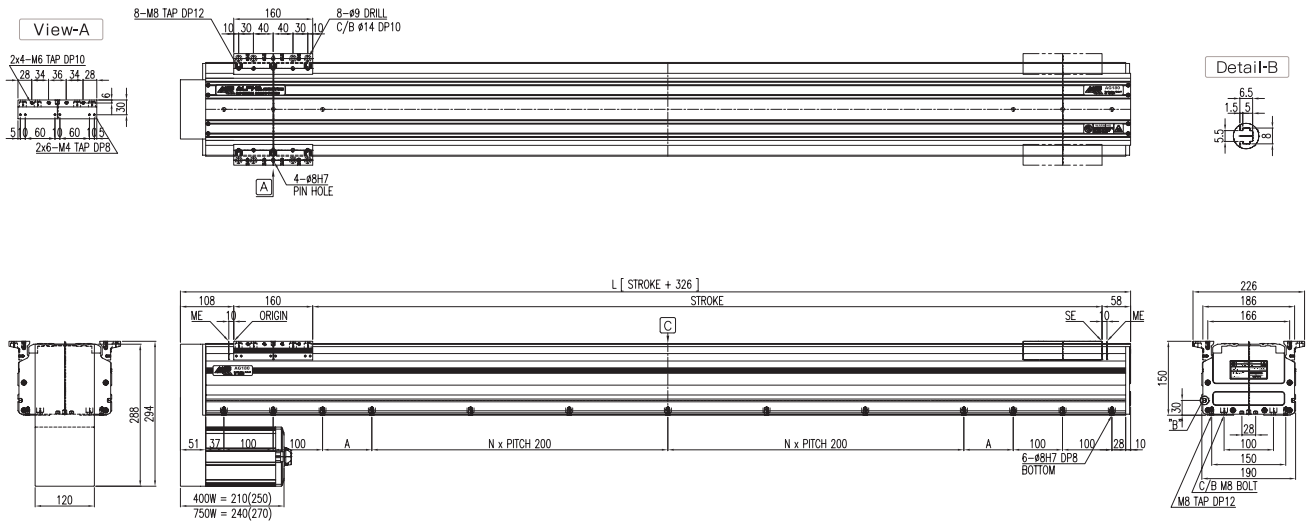
Specification			Unit	Data			
Acceleration			G	0.3			
Load			kg	20	40	60	80
Allowable Overhang Distance - mm	Horizontal Use	0°		850	850	560	405
		45°		850	850	660	480
		90°		850	850	850	850
	Wall Installation Use	0°		850	635	410	296
		45°		850	494	319	230
		90°		850	850	605	440
	Vertical Use	0°		850	680	455	340
		45°		850	442	299	221
		90°		850	680	450	340
Note3	Estimated Condition			Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
				Life in traveled distance : 30000 km			

AG180X-PU1

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



AG180X-PU2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG180X-PU-40N	kg	21.1	24.4	27.8	31.1	34.4	37.7	41.0	44.4	47.7	51.0	3.32
	AG180X-PU-75N	kg	24.4	27.7	31.1	34.4	37.7	41.0	44.3	47.7	51.0	54.3	3.32
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG180X-PU-N	mm/s	500							478	391	325	Note4
	AG180X-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | **AG230X-S** | AG230X-PL | AG230X-PR | AG230X-PU

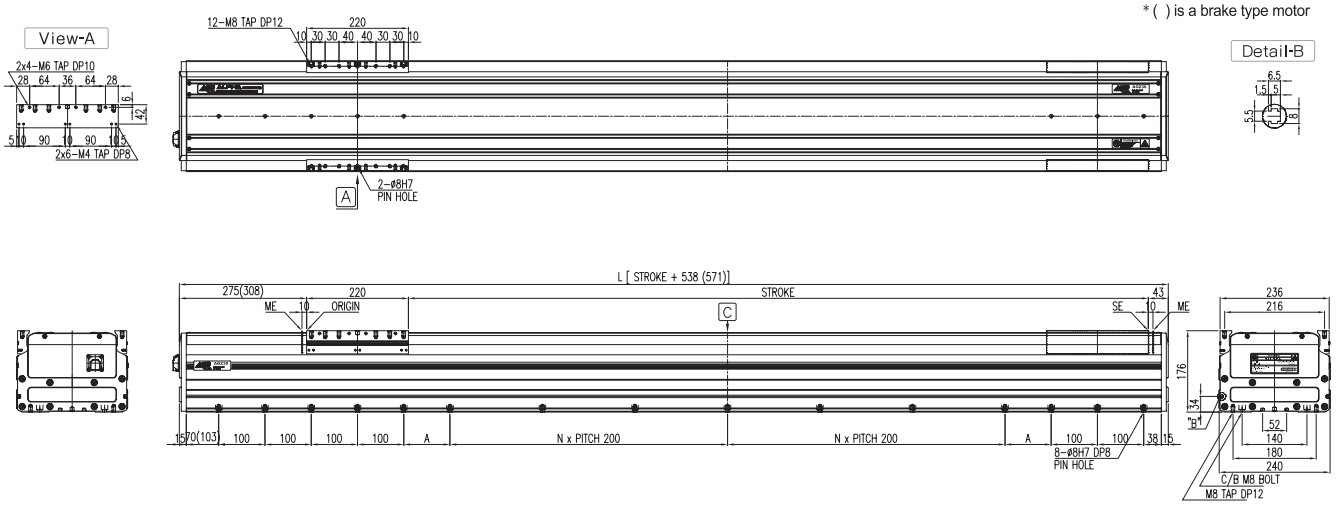
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG230X-S1/2-75N
AG230X-S1			AG230X-S2
Rated Output		W	750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)
Max. Load	Note2	kg	H:150 (90) V:60 (38)
Stroke Range		mm	200 ~ 2000
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

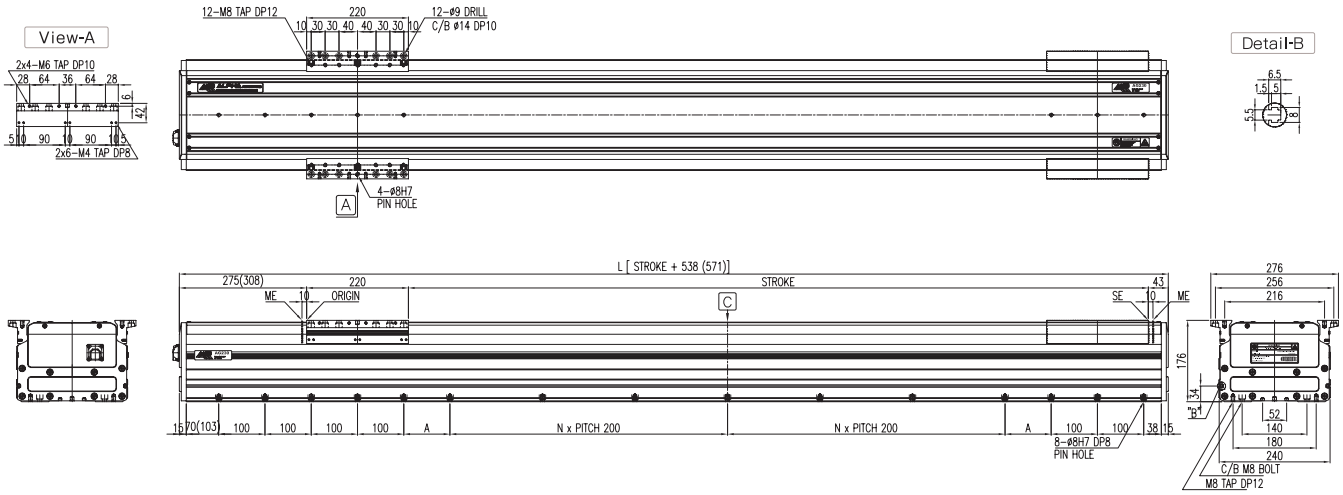
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000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

AG230X-S1

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



AG230X-S2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG230X-S-75N	kg	39.0	43.0	47.1	51.1	55.2	59.2	63.3	67.3	71.4	75.4	4.05

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG230X-S-N	mm/s	500							478	391	325	Note4
	AG230X-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | **AG230X-S** | AG230X-PL | AG230X-PR | AG230X-PU

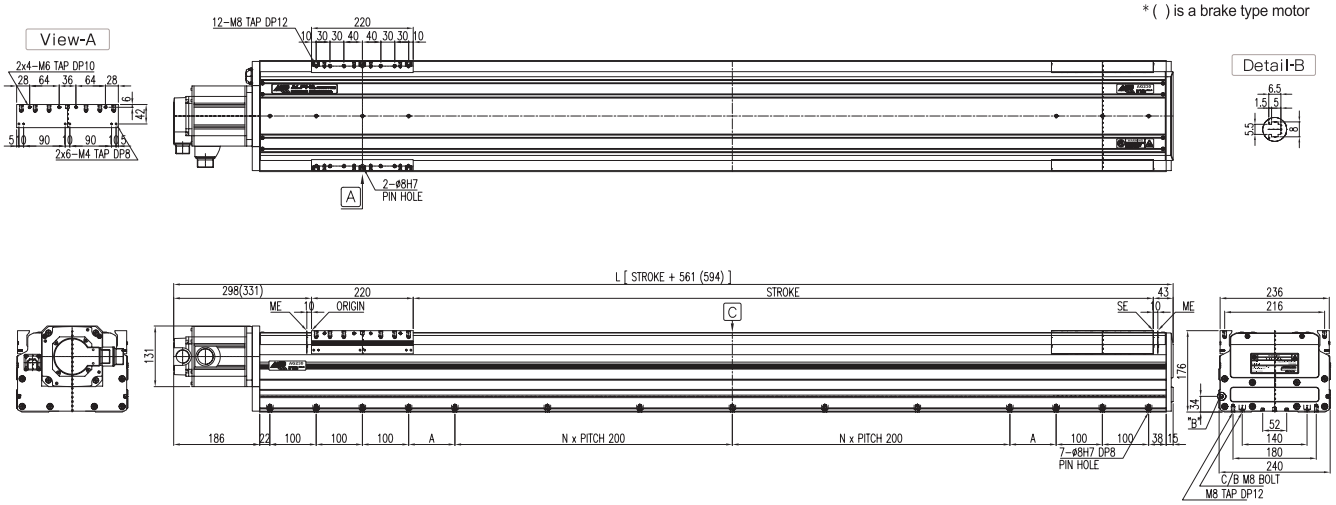
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG230X-S1/2-1KN
AG230X-S1			
AG230X-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 ~ 1600 (2000)
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

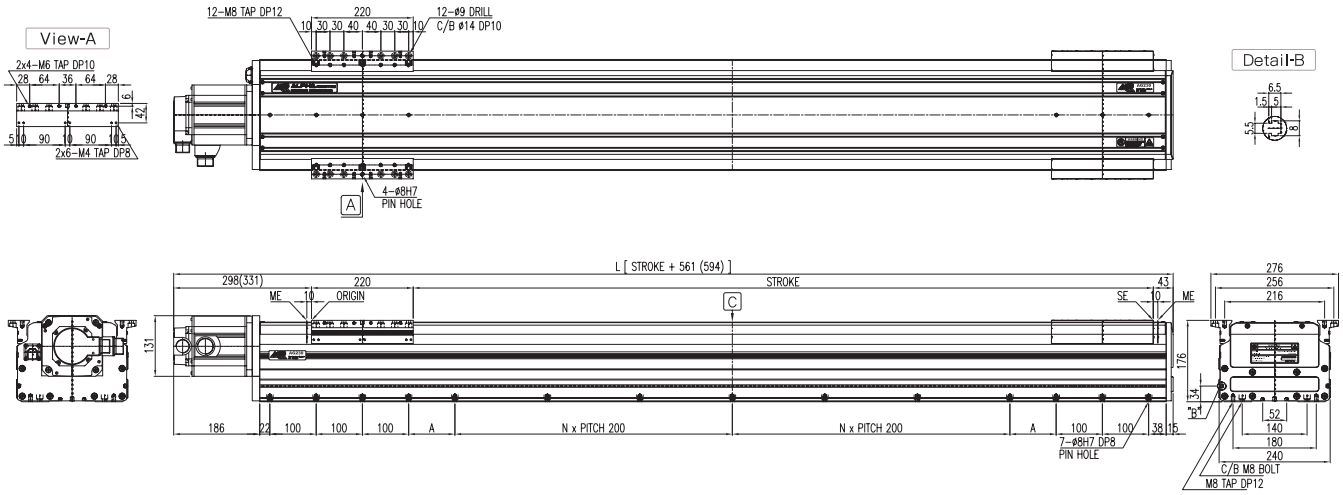
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000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

AG230X-S1

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



AG230X-S2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG230X-S-1KN	kg	39.5	43.6	47.6	51.7	55.7	59.8	63.8	67.9	71.9	76.0	4.05
Speed	AG230X-S-N	mm/s	330									325	Note4
	AG230X-S-H	mm/s	660									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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | AG230X-S | **AG230X-PL** | AG230X-PR | AG230X-PU

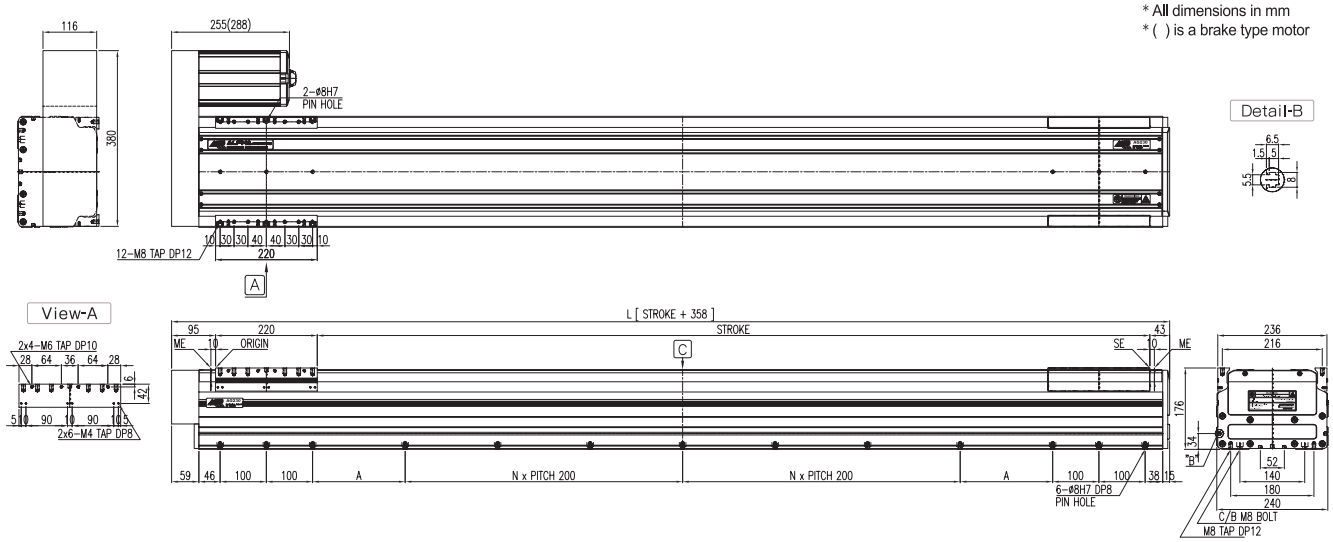
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG230X-PL1/2-75N	
AG230X-PL1			AG230X-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 ~ 1600 (2000)	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

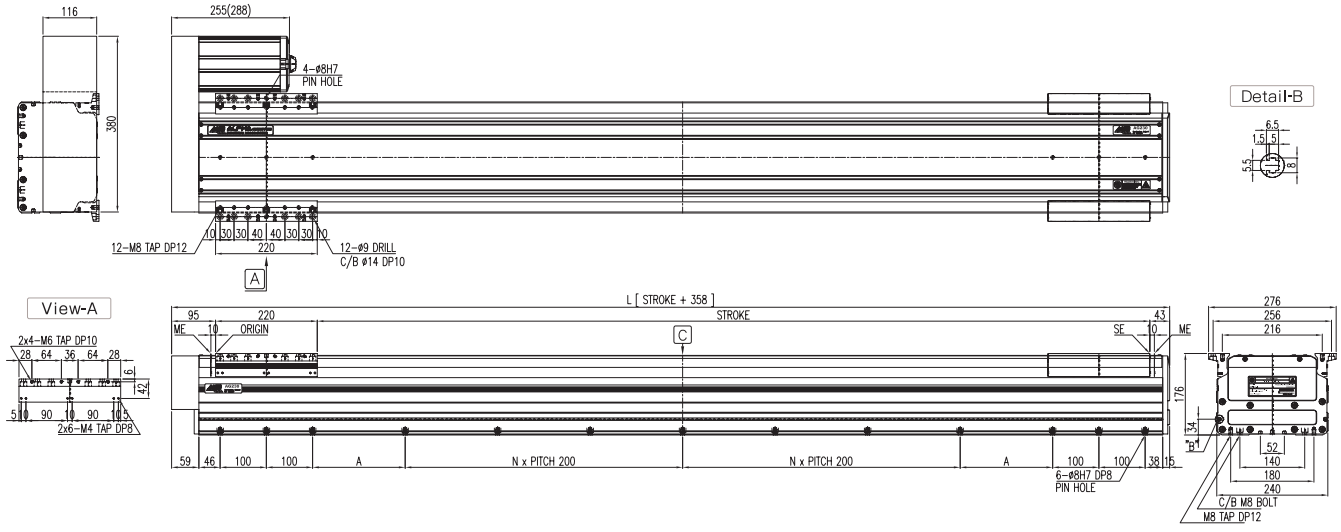
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000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

AG230X-PL1

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



AG230X-PL2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG230X-PL-75N	kg	34.3	38.4	42.4	46.5	50.5	54.6	58.6	62.7	66.7	70.8	4.05

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG230X-PL-N	mm/s	500							478	391	325	Note4
	AG230X-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | AG230X-S | **AG230X-PL** | AG230X-PR | AG230X-PU

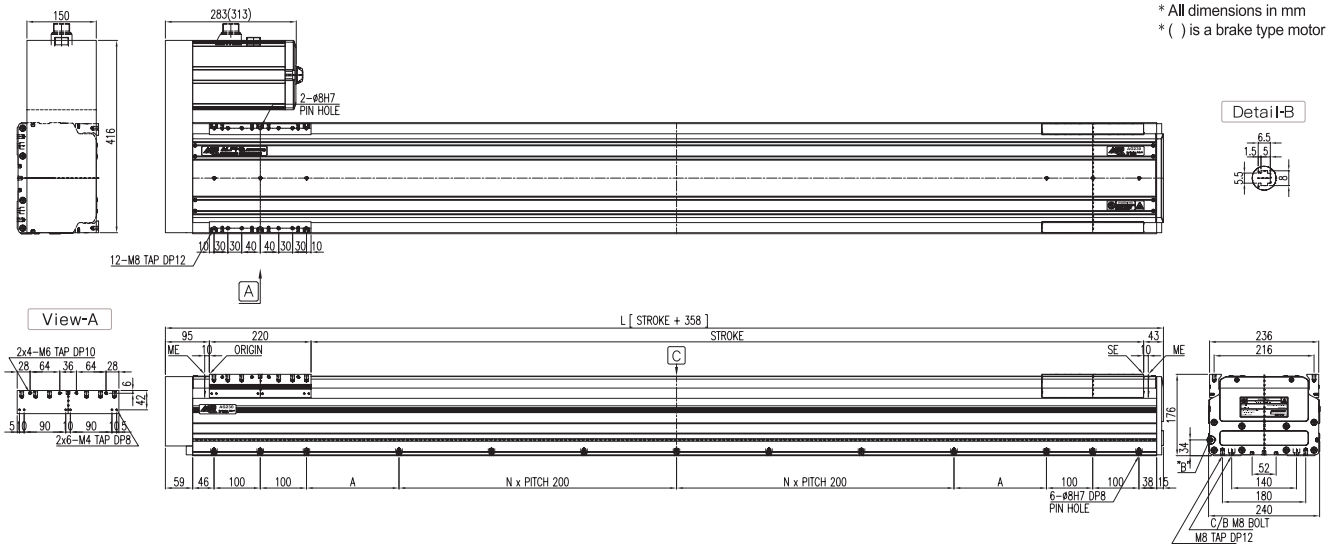
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG230X-PL1/2-1KN
AG230X-PL1			
AG230X-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 ~ 1600 (2000)
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

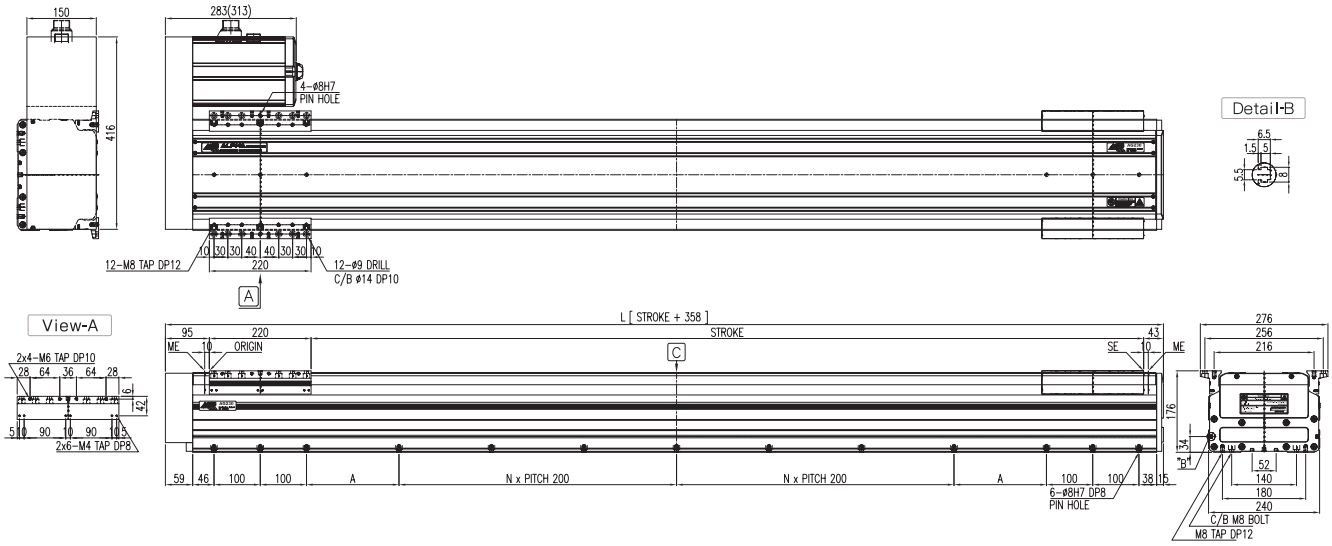
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000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

AG230X-PL1

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



AG230X-PL2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG230X-PL-1KN	kg	44.4	48.5	52.5	56.6	60.6	64.7	68.7	72.8	76.8	80.9	4.05
Speed	AG230X-PL-N	mm/s	330									325	Note4
	AG230X-PL-H	mm/s	660									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(35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | AG230X-S | AG230X-PL | AG230X-PR | AG230X-PU

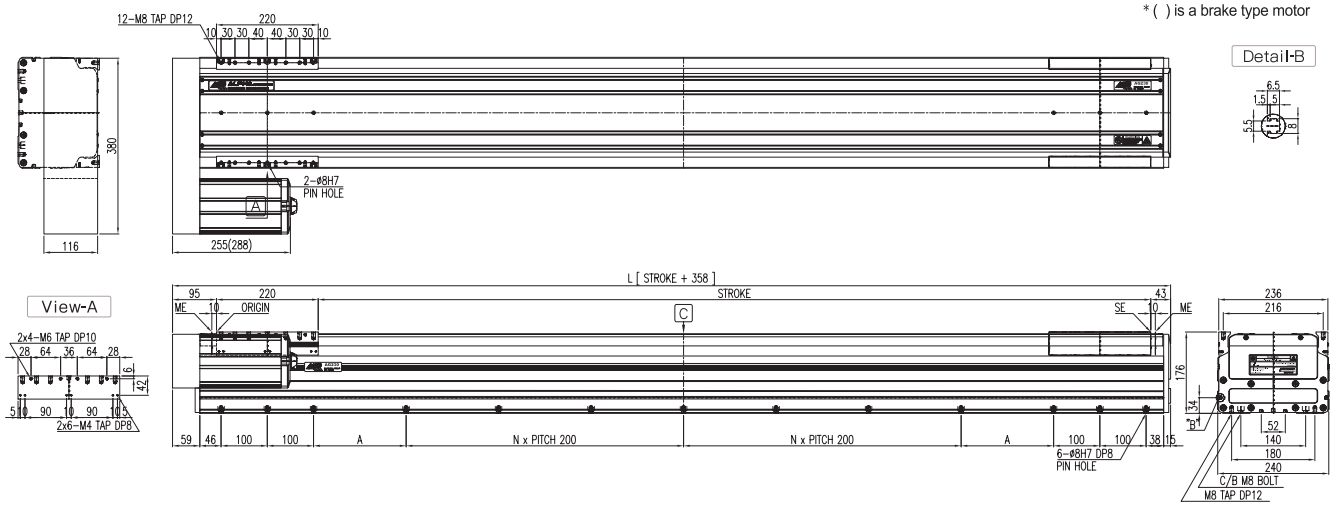
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG230X-PR1/2-75N
AG230X-PR1			AG230X-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 ~ 1600 (2000)
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

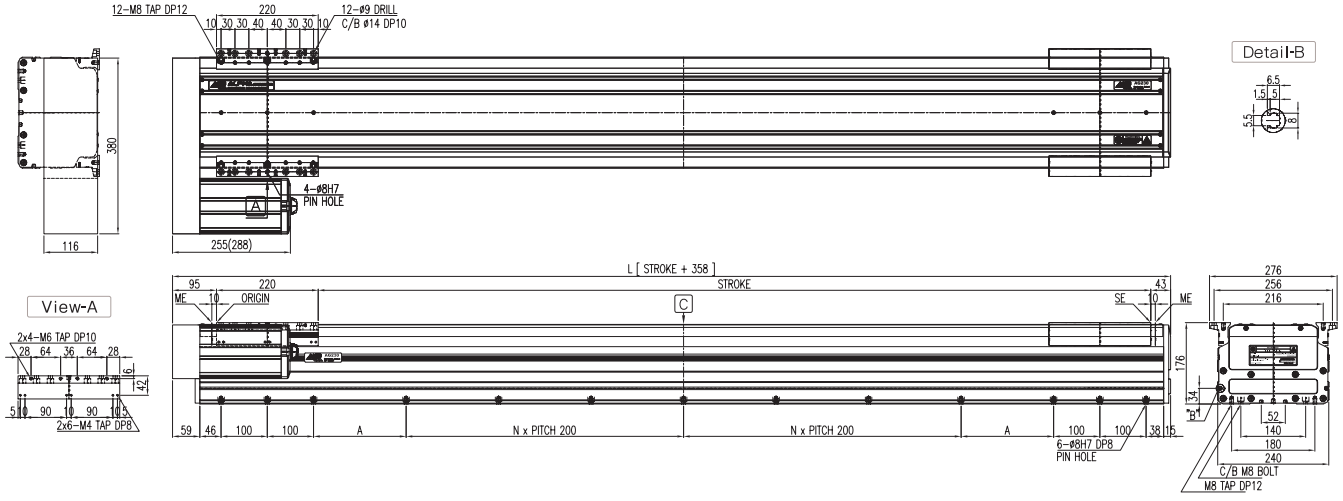
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000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

AG230X-PR1

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



AG230X-PR2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG230X-PR-75N	kg	34.3	38.4	42.4	46.5	50.5	54.6	58.6	62.7	66.7	70.8	4.05
Speed	AG230X-PR-N	mm/s	500							478	391	325	
	AG230X-PR-H	mm/s	1000							957	782	651	

⚠ 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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | AG230X-S | AG230X-PL | **AG230X-PR** | AG230X-PU

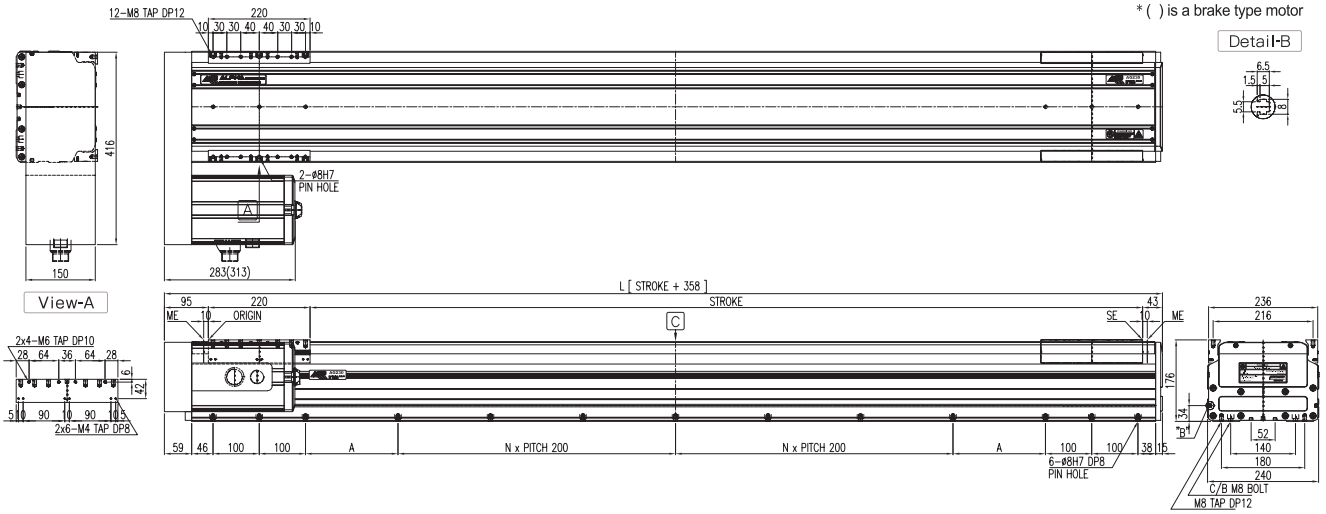
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	AG230X-PR1/2-1KN
AG230X-PR1 		AG230X-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 ~ 1600 (2000)
Repeatability	mm	± 0.02
Drive Type	-	BALL SCREW

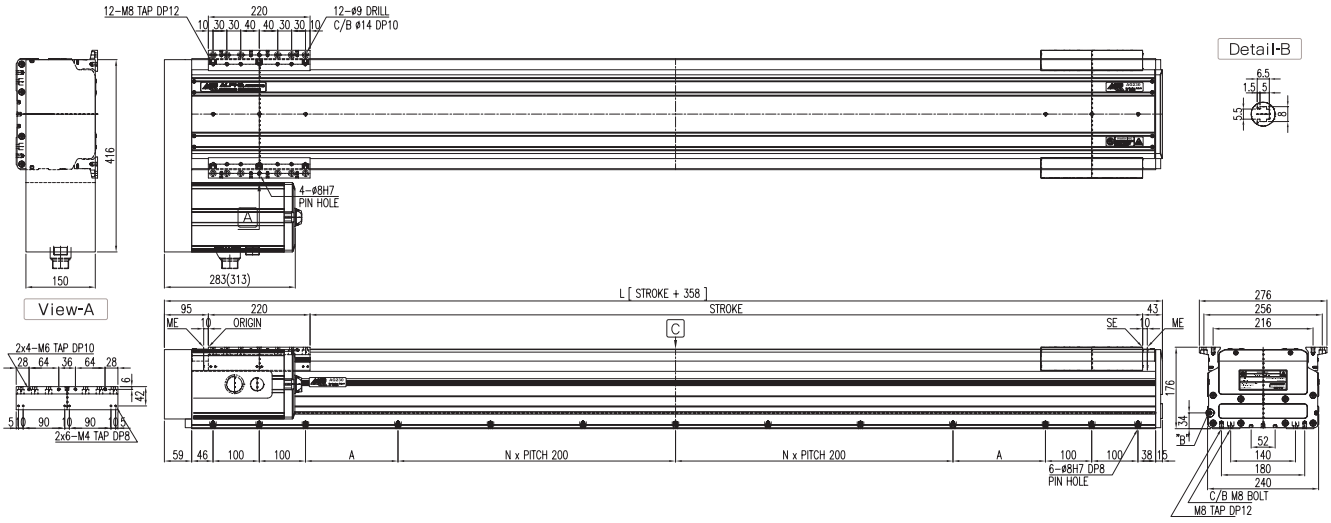
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use 	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use 	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use 	0°	1000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

AG230X-PR1

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



AG230X-PR2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG230X-PR-1KN	kg	44.4	48.5	52.5	56.6	60.6	64.7	68.7	72.8	76.8	80.9	4.05
Speed	AG230X-PR-N	mm/s	330									325	Note4
	AG230X-PR-H	mm/s	660									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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | AG230X-S | AG230X-PL | AG230X-PR | **AG230X-PU**

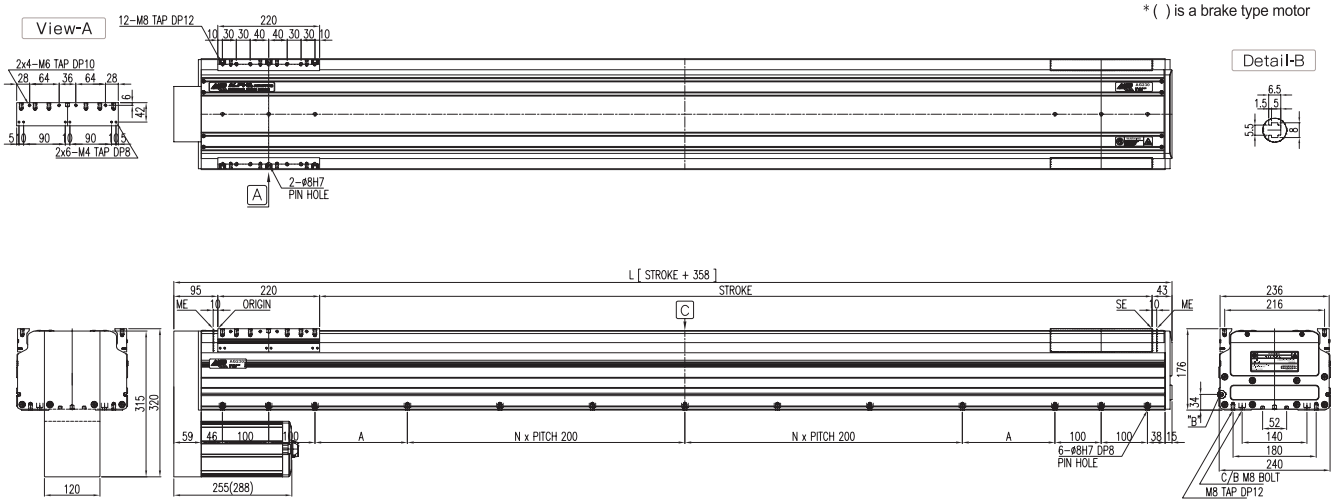
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	AG230X-PU1/2-75N
AG230X-PU1		
AG230X-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 ~ 1600 (2000)
Repeatability	mm	± 0.02
Drive Type	-	BALL SCREW

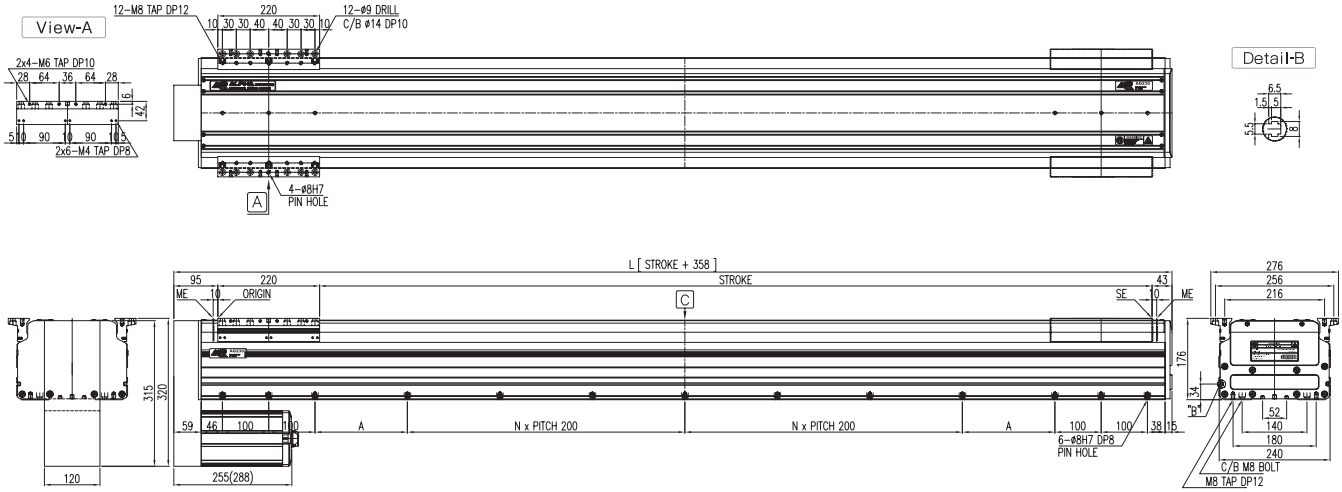
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000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

AG230X-PU1

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



AG230X-PU2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG230X-PU-75N	kg	34.3	38.4	42.4	46.5	50.5	54.6	58.6	62.7	66.7	70.8	4.05
Speed	AG230X-PU-N	mm/s	500							478	391	325	Note4
	AG230X-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | AG230X-S | AG230X-PL | AG230X-PR | **AG230X-PU**

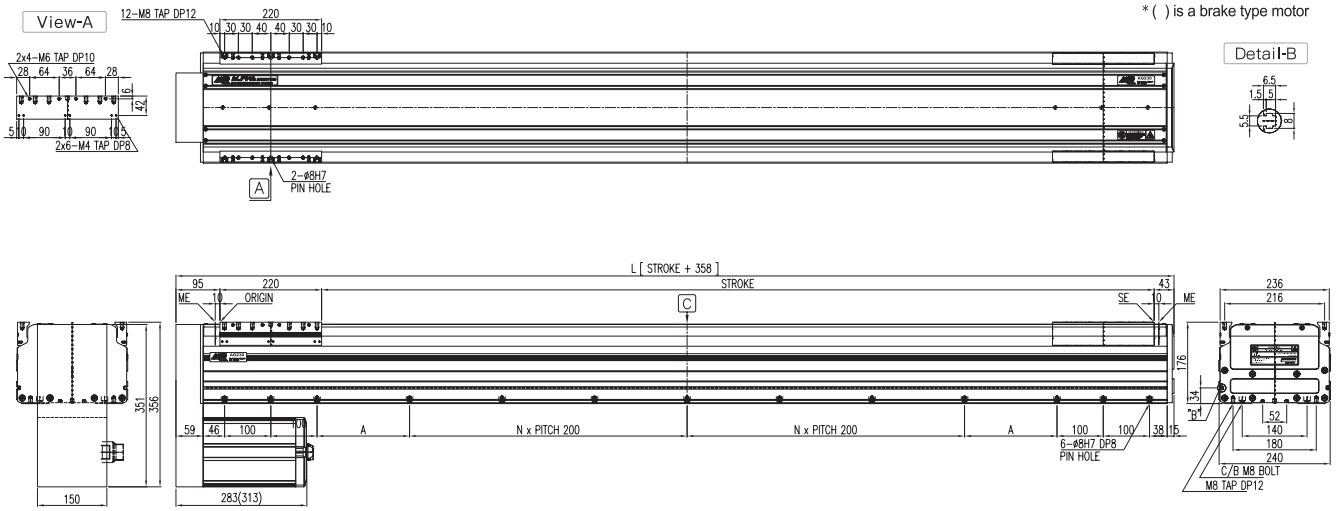
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG230X-PU1/2-1KN
AG230X-PU1			AG230X-PU2
Rated Output		W	1000W, 2000 min^{-1}
Max. Speed	Note1	mm/s	330 (660)
Max. Load	Note2	kg	H:150 (150) / V:140 (80)
Stroke Range		mm	200 ~ 1600 (2000)
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

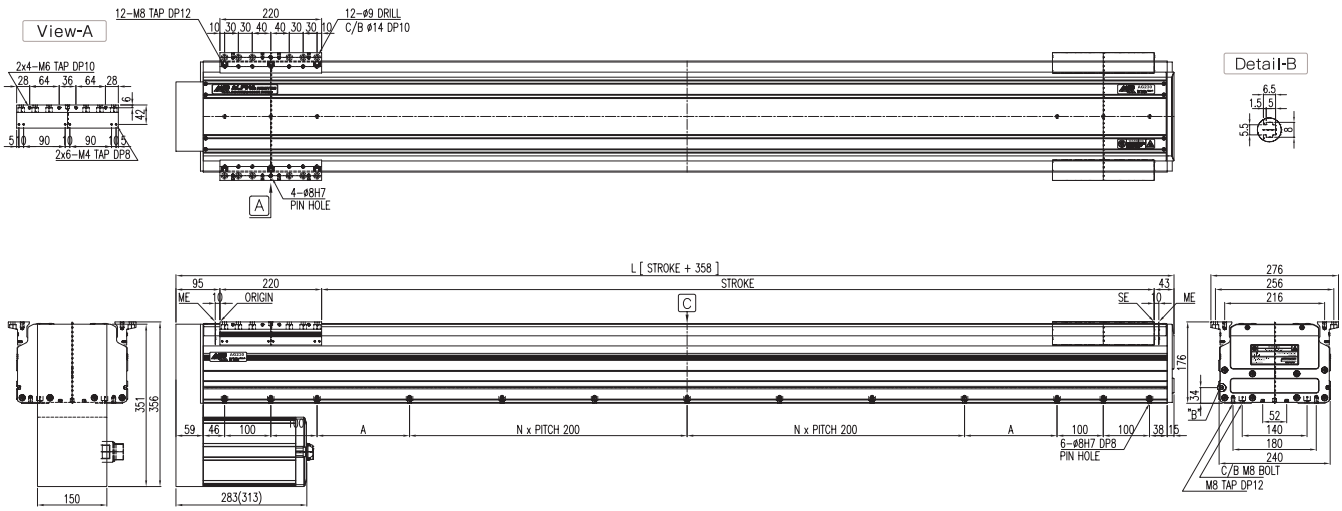
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm (Note3)	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use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

AG230X-PU1

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



AG230X-PU2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG230X-PU-1KN	kg	44.4	48.5	52.5	56.6	60.6	64.7	68.7	72.8	76.8	80.9	4.05
Speed	AG230X-PU-N	mm/s	330									325	Note4
	AG230X-PU-H	mm/s	660									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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

AG180Y SERIES

Model | **AG180Y-S** | AG180Y-PL | AG180Y-PR | AG180Y-PU

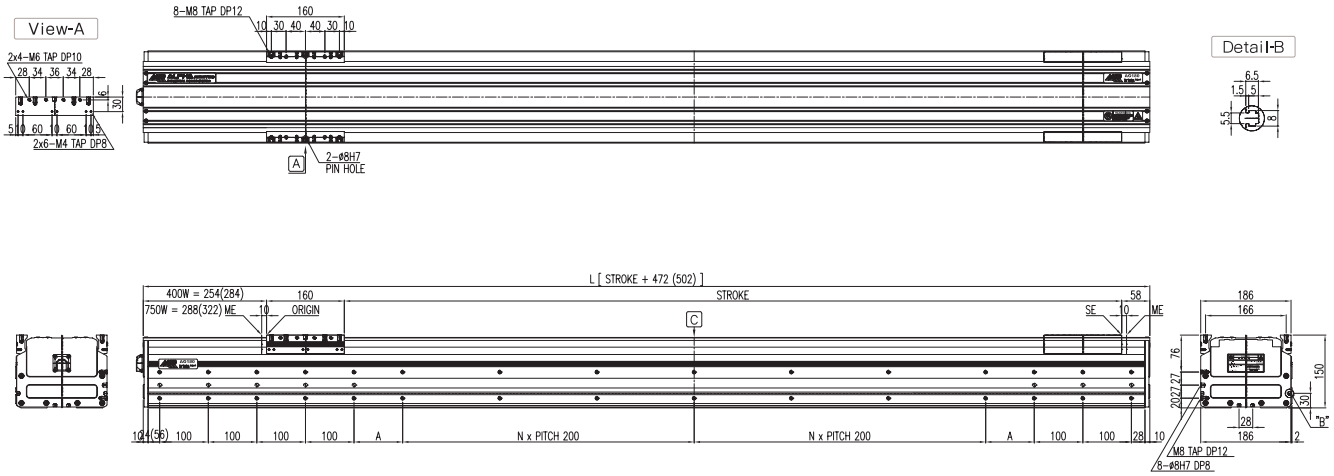
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG180Y-S1/2-40N/75N	
AG180Y-S1			AG180Y-S2	
Rated Output		W	400W, 3000 min^{-1}	750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:70 (25) V:40 (20)	H:80 (70) V:60 (40)
Stroke Range		mm	100 ~ 1300 (1600)	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

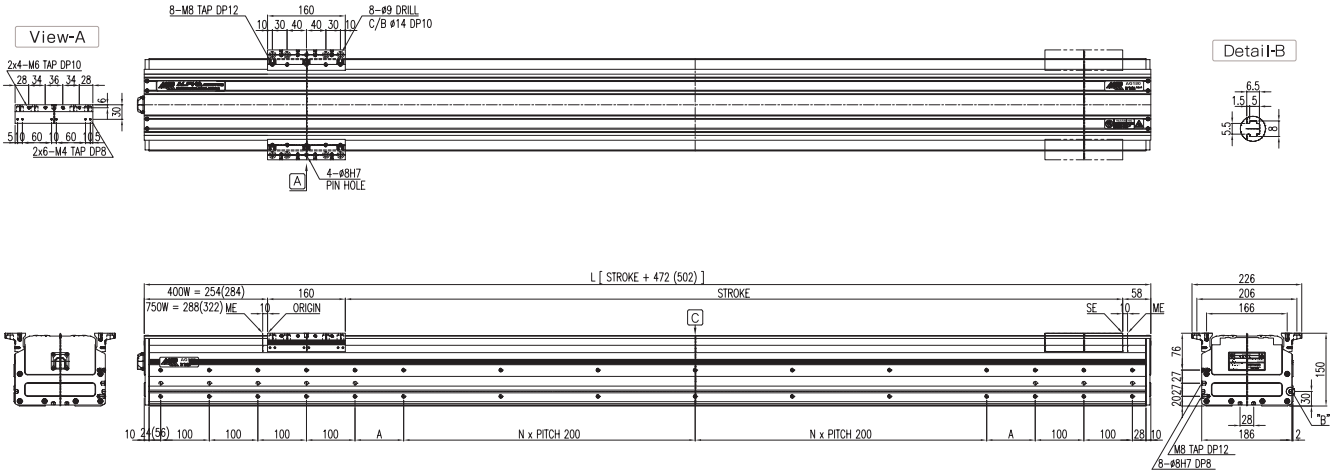
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	40	60	80
Allowable Overhang Distance - mm	Horizontal Use	0°	850	850	560	405
		45°	850	850	660	480
		90°	850	850	850	850
	Wall Installation Use	0°	850	635	410	296
		45°	850	494	319	230
		90°	850	850	605	440
	Vertical Use	0°	850	680	455	340
		45°	850	442	299	221
		90°	850	680	450	340
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

AG180Y-S1

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



AG180Y-S2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG180Y-S-40N	kg	24.0	27.3	30.6	33.9	37.2	40.6	43.9	47.2	50.5	53.8	3.32
	AG180Y-S-75N	kg	30.0	33.2	36.5	39.8	43.2	46.5	49.8	53.1	56.4	59.8	3.32
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG180Y-S-N	mm/s	500							478	391	325	Note4
	AG180Y-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model	AG180Y-S	AG180Y-PL	AG180Y-PR	AG180Y-PU				

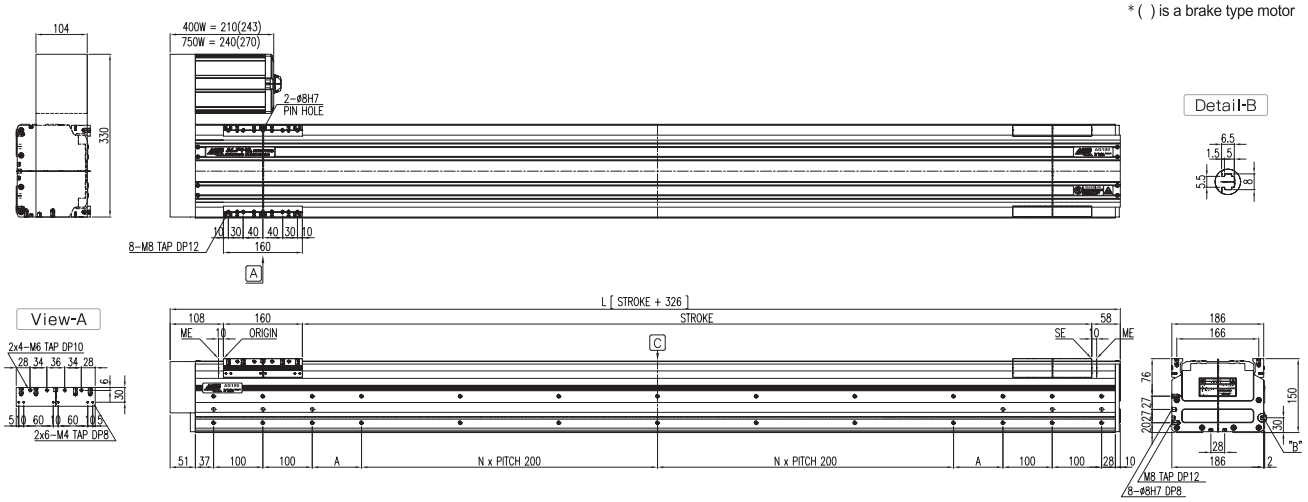
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	AG180X-PL1/2-40N/75N	
AG180Y-PL1			
AG180Y-PL2			
Rated Output	W	400W, 3000 min^{-1}	750W, 3000 min^{-1}
Max. Speed Note1	mm/s	500 (1000)	
Max. Load Note2	kg	H:70 (25) V:40 (20)	H:80 (70) V:60 (40)
Stroke Range	mm	100 ~ 1300 (1600)	
Repeatability	mm	±0.02	
Drive Type	-	BALL SCREW	

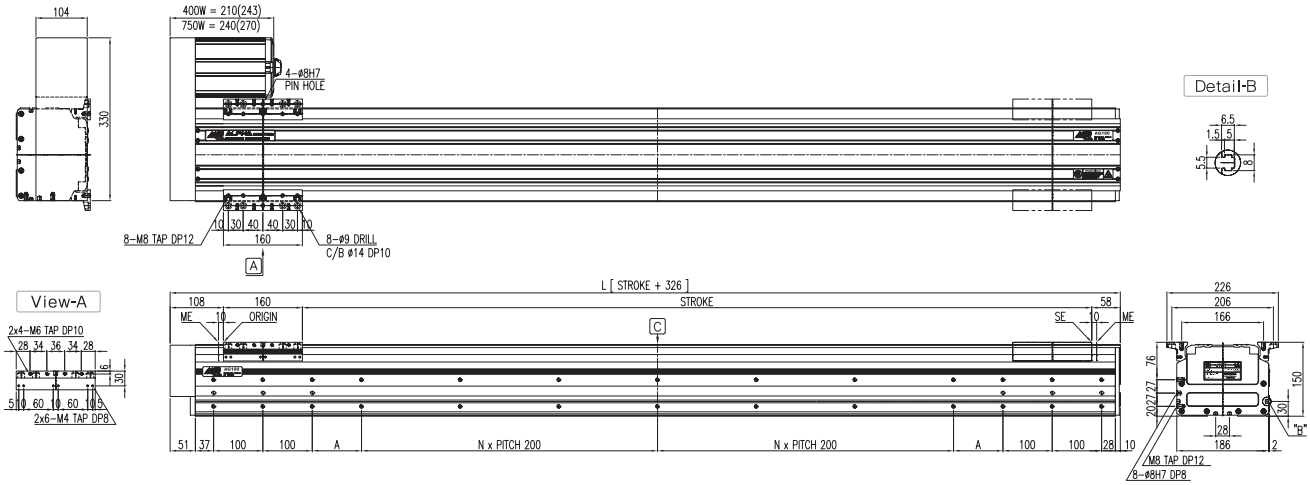
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	40	60	80
Allowable Overhang Distance - mm	Horizontal Use	0°	850	850	560	405
		45°	850	850	660	480
		90°	850	850	850	850
	Wall Installation Use	0°	850	635	410	296
		45°	850	494	319	230
		90°	850	850	605	440
	Vertical Use	0°	850	680	455	340
		45°	850	442	299	221
		90°	850	680	450	340
Note3	Estimated Condition	Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)		
		Life in traveled distance : 30000 km				

AG180Y-PL1

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



AG180Y-PL2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG180Y-PL-40N	kg	21.1	24.4	27.8	31.1	34.4	37.7	41.0	44.4	47.7	51.0	3.32
	AG180Y-PL-75N	kg	24.4	27.7	31.1	34.4	37.7	41.0	44.3	47.7	51.0	54.3	3.32
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG180Y-PL-N	mm/s	500							478	391	325	Note4
	AG180Y-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model	AG180Y-S	AG180Y-PL	AG180Y-PR	AG180Y-PU				

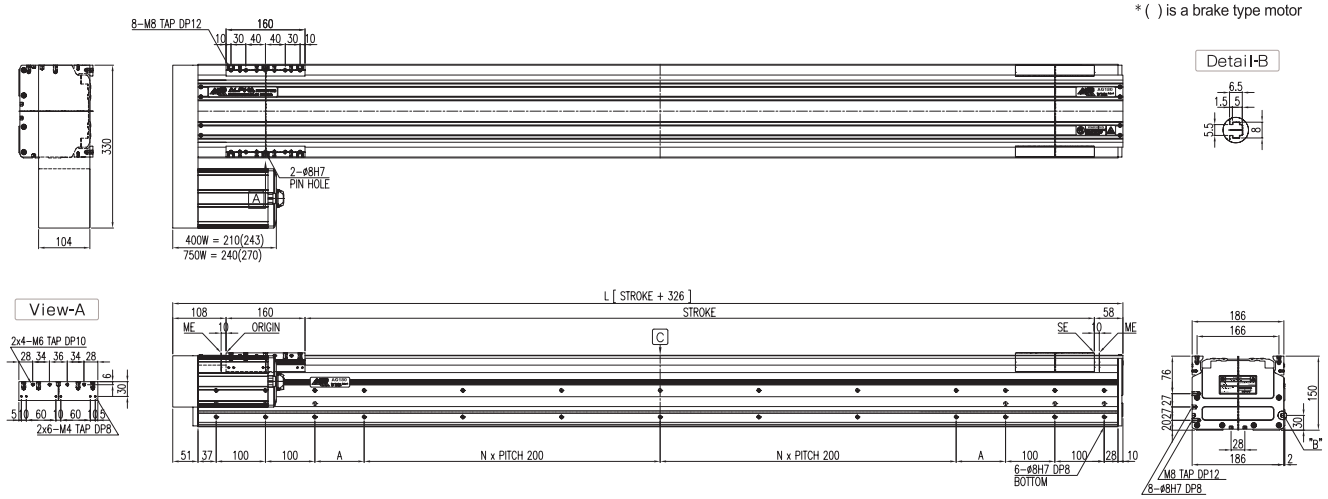
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG180Y-PR1/2-40N/75N	
AG180Y-PR1 			AG180Y-PR2 	
Rated Output		W	400W, 3000 min^{-1}	750W, 3000 min^{-1}
Max. Speed	Note1	mm/s	500 (1000)	
Max. Load	Note2	kg	H:70 (25) V:40 (20)	H:80 (70) V:60 (40)
Stroke Range		mm	100 ~ 1300 (1600)	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

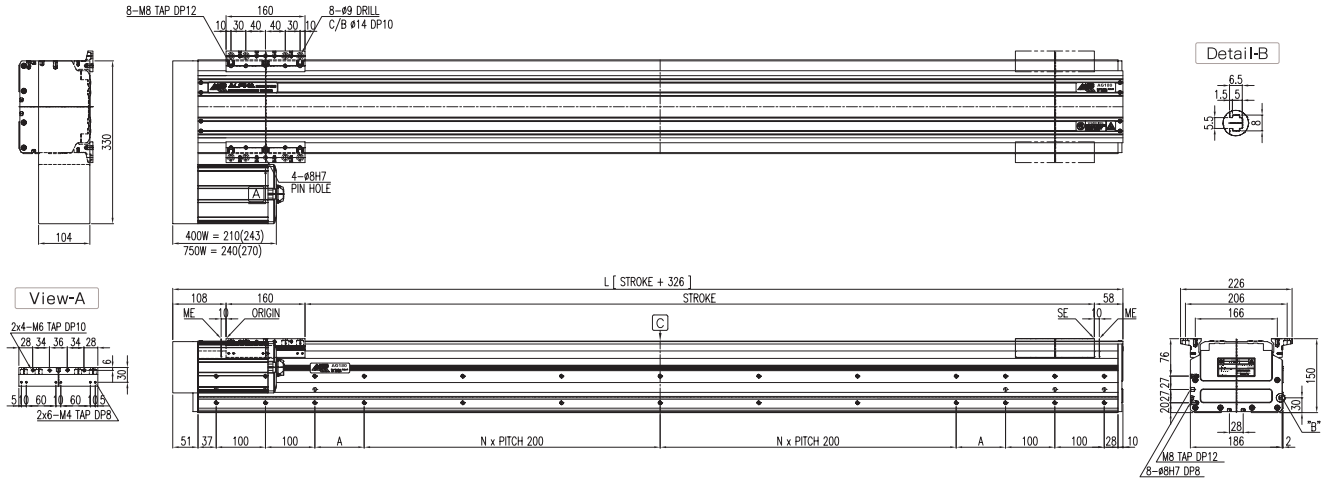
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	20	40	60	80
Allowable Overhang Distance - mm	Horizontal Use 	0°	850	850	560	405
		45°	850	850	660	480
		90°	850	850	850	850
	Wall Installation Use 	0°	850	635	410	296
		45°	850	494	319	230
		90°	850	850	605	440
	Vertical Use 	0°	850	680	455	340
		45°	850	442	299	221
		90°	850	680	450	340
Note3	Estimated Condition		Max Speed : 1000 mm/s		Acceleration : 0.3 G (2.94 m/s^2)	
			Life in traveled distance : 30000 km			

AG180Y-PR1

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



AG180Y-PR2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG180Y-PR-40N	kg	21.1	24.4	27.8	31.1	34.4	37.7	41.0	44.4	47.7	51.0	3.32
	AG180Y-PR-75N	kg	24.4	27.7	31.1	34.4	37.7	41.0	44.3	47.7	51.0	54.3	3.32
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG180Y-PR-N	mm/s	500							478	391	325	Note4
	AG180Y-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | AG180Y-S | AG180Y-PL | AG180Y-PR | **AG180Y-PU**

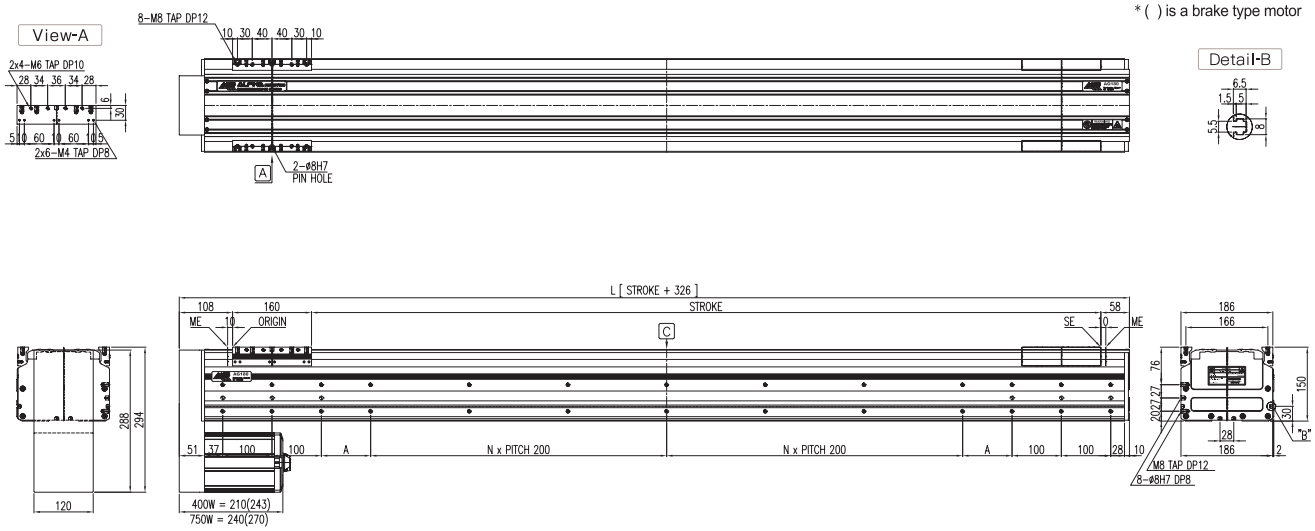
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification	Unit	AG180Y-PU1/2-40N/75N
AG180Y-PU1		AG180Y-PU2
Rated Output	W	400W, 3000 min^{-1} / 750W, 3000 min^{-1}
Max. Speed Note1	mm/s	500 (1000)
Max. Load Note2	kg	H:70 (25) V:40 (20) / H:80 (70) V:60 (40)
Stroke Range	mm	100 ~ 1300 (1600)
Repeatability	mm	± 0.02
Drive Type	-	BALL SCREW

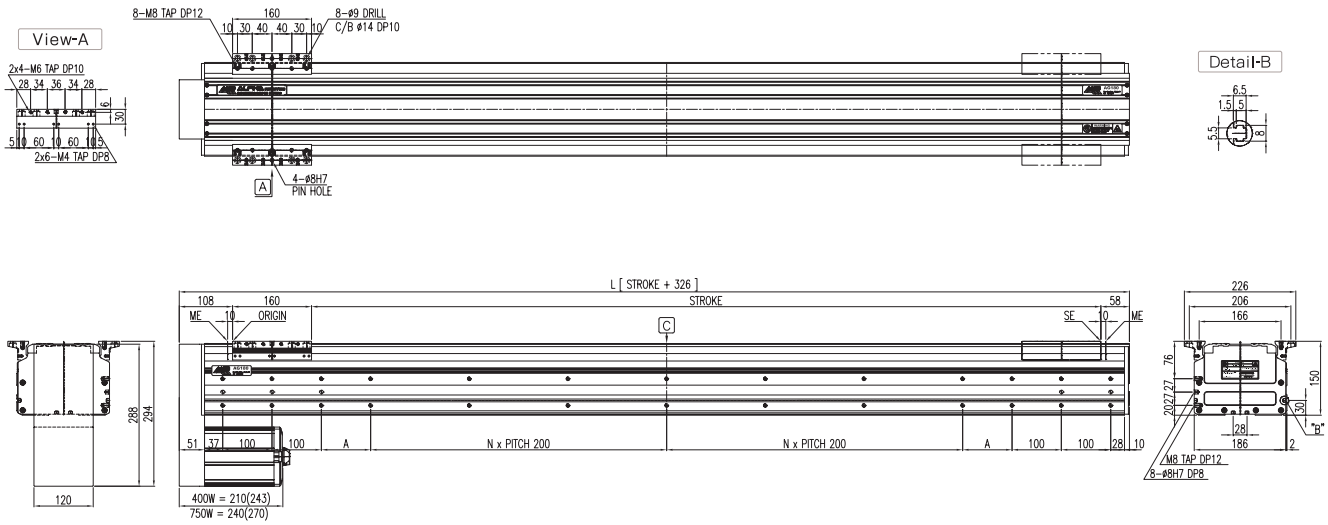
Specification	Unit	Data			
Acceleration	G	0.3			
Load	kg	20	40	60	80
Allowable Overhang Distance - mm — Horizontal Use	0°	850	850	560	405
	45°	850	850	660	480
	90°	850	850	850	850
Wall Installation Use	0°	850	635	410	296
	45°	850	494	319	230
	90°	850	850	605	440
Vertical Use	0°	850	680	455	340
	45°	850	442	299	221
	90°	850	680	450	340
Note3 Estimated Condition	Max Speed : 1000 mm/s	Acceleration : 0.3 G (2.94 m/s^2)			
	Life in traveled distance : 30000 km				

AG180Y-PU1

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



AG180Y-PU2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG180Y-PU-40N	kg	21.1	24.4	27.8	31.1	34.4	37.7	41.0	44.4	47.7	51.0	3.32
	AG180Y-PU-75N	kg	24.4	27.7	31.1	34.4	37.7	41.0	44.3	47.7	51.0	54.3	3.32
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG180Y-PU-N	mm/s	500							478	391	325	Note4
	AG180Y-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | **AG230Y-S** | AG230Y-PL | AG230Y-PR | AG230Y-PU

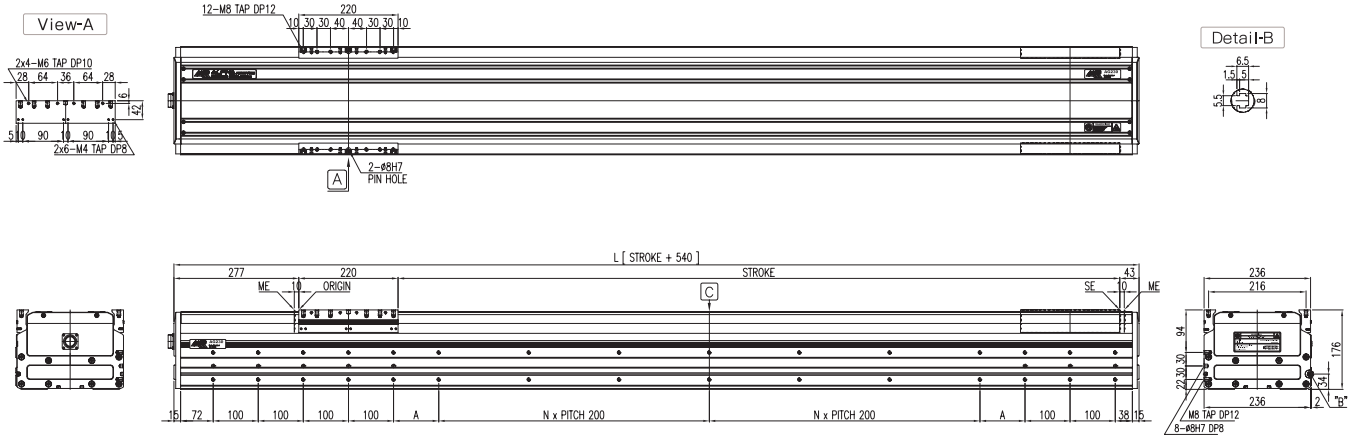
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG230Y-S1/2-75N
AG230Y-S1			AG230Y-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 ~ 1600 (2000)
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

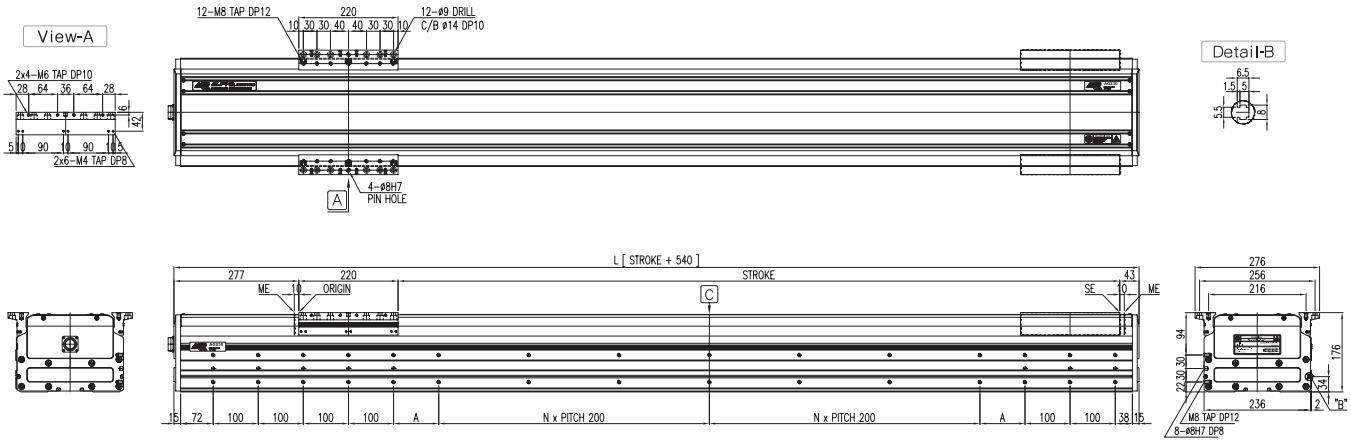
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000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

AG230Y-S1

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



AG230Y-S2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG230Y-S-75N	kg	39.0	43.0	47.1	51.1	55.2	59.2	63.3	67.3	71.4	75.4	4.05
Speed	AG230Y-S-N	mm/s	500							478	391	325	Note4
	AG230Y-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | **AG230Y-S** | AG230Y-PL | AG230Y-PR | AG230Y-PU

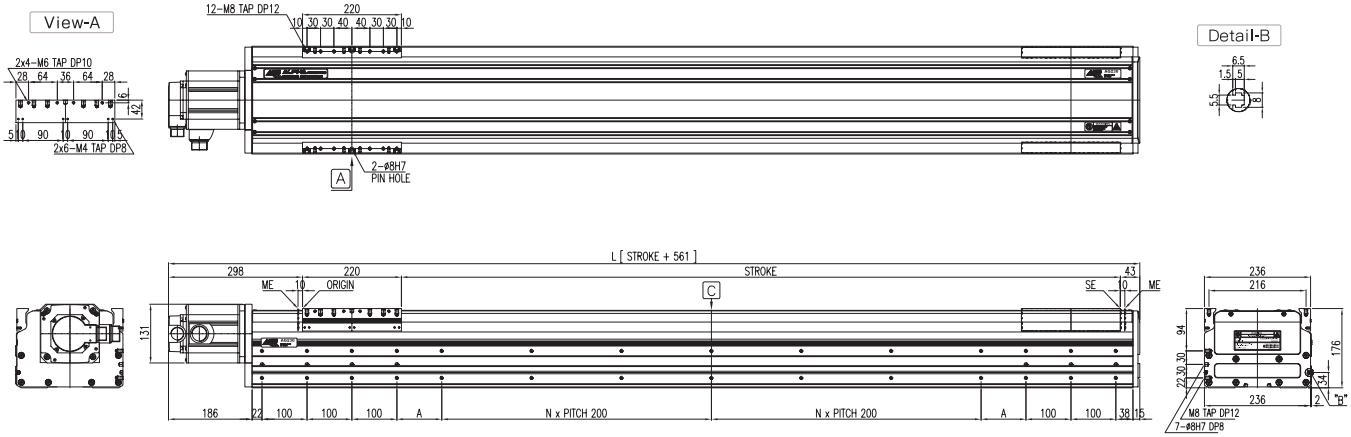
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG230Y-S1/2-1KN
AG230Y-S1			AG230Y-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 ~ 1600 (2000)
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

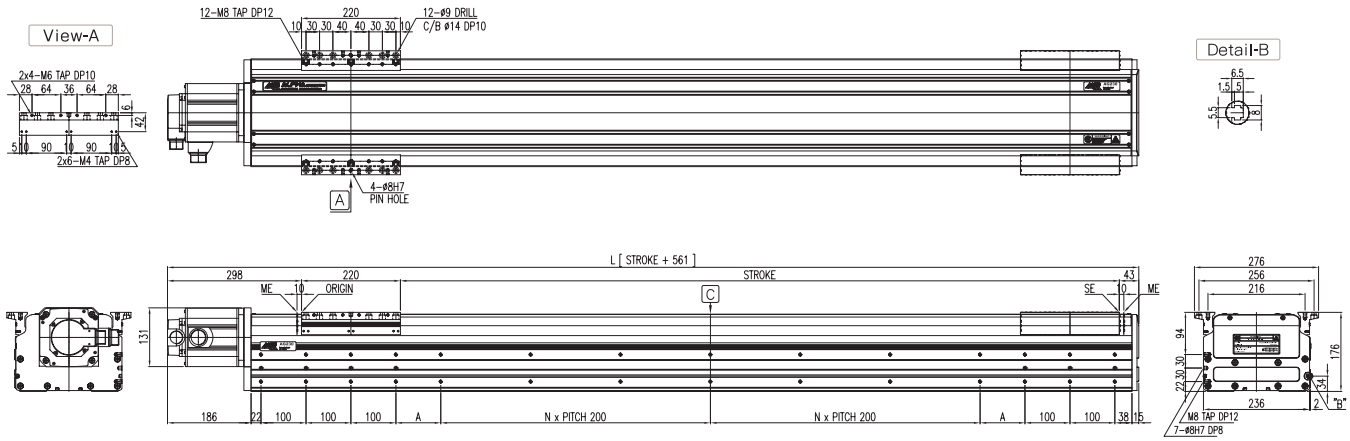
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000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

AG230Y-S1

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



AG230Y-S2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG230Y-S-1KN	kg	39.5	43.6	47.6	51.7	55.7	59.8	63.8	67.9	71.9	76.0	4.05

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG230Y-S-N	mm/s	330									325	Note4
	AG230Y-S-H	mm/s	660									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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | AG230Y-S | **AG230Y-PL** | AG230Y-PR | AG230Y-PU

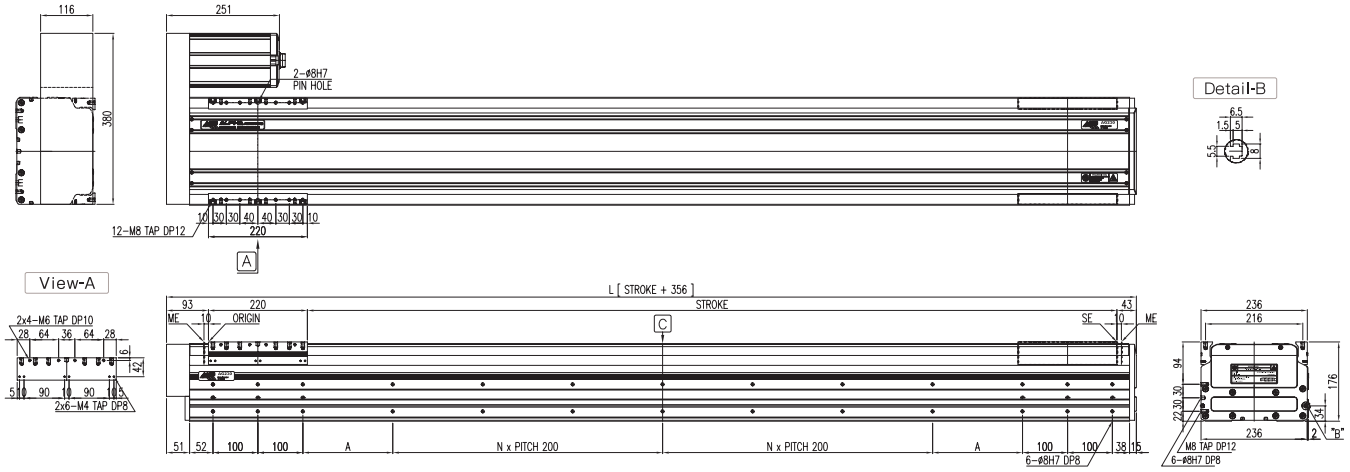
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG230Y-PL1/2-75N
AG230Y-PL1			AG230Y-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 ~ 1600 (2000)
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

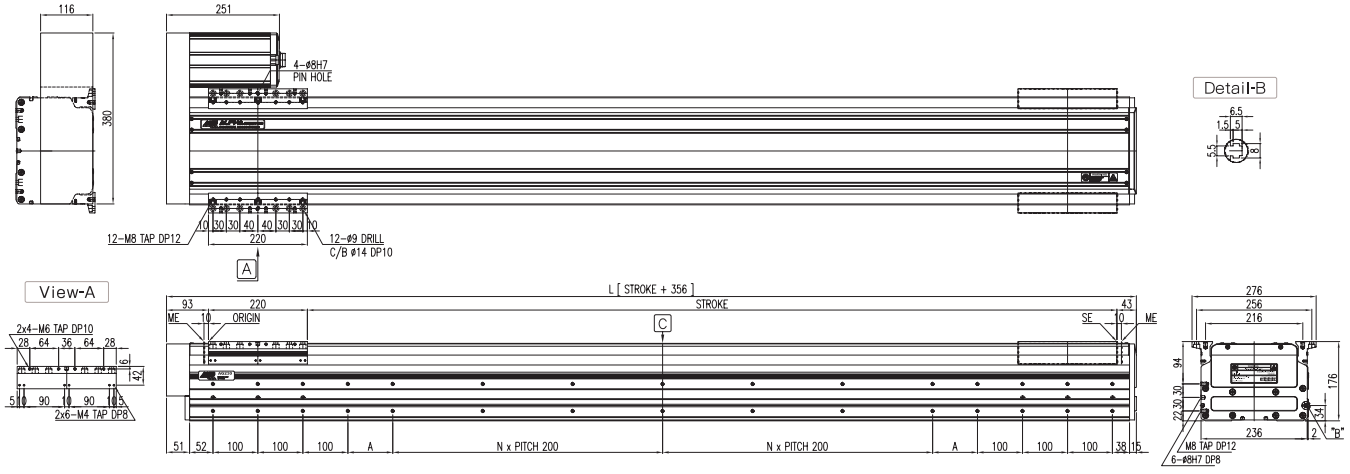
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000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

AG230Y-PL1

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



AG230Y-PL2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG230Y-PL-75N	kg	34.3	38.4	42.4	46.5	50.5	54.6	58.6	62.7	66.7	70.8	4.05
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG230Y-PL-N	mm/s	500							478	391	325	Note4
	AG230Y-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | AG230Y-S | **AG230Y-PL** | AG230Y-PR | AG230Y-PU

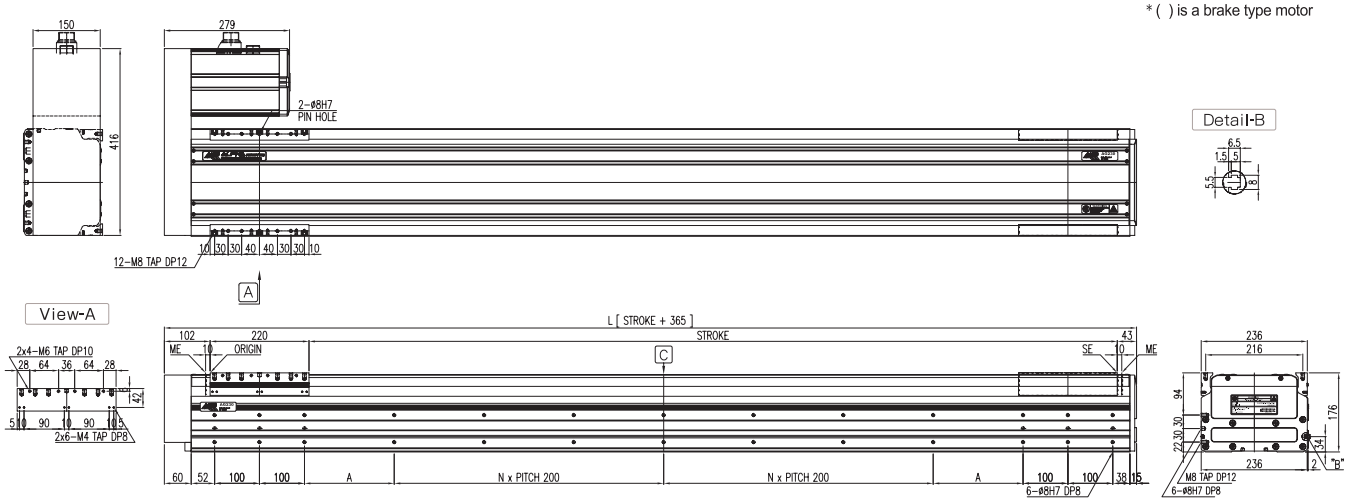
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG230Y-PL1/2-1KN	
AG230Y-PL1				
AG230Y-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 ~ 1600 (2000)	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

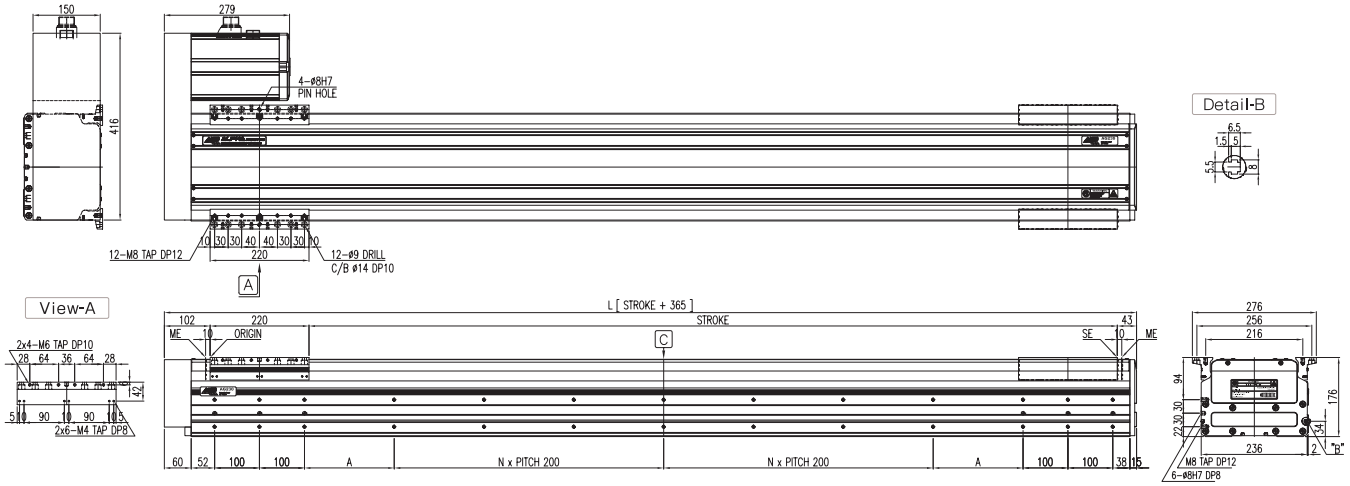
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use 	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use 	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use 	0°	1000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

AG230Y-PL1

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



AG230Y-PL2



Weight

Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
AG230Y-PL-1KN	kg	44.4	48.5	52.5	56.6	60.6	64.7	68.7	72.8	76.8	80.9	4.05

Speed

Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
AG230Y-PL-N	mm/s	330									325	Note4
AG230Y-PL-H	mm/s	660									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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

ALPHA ROBOTICS AG230Y SERIES

Model | AG230Y-S | AG230Y-PL | **AG230Y-PR** | AG230Y-PU

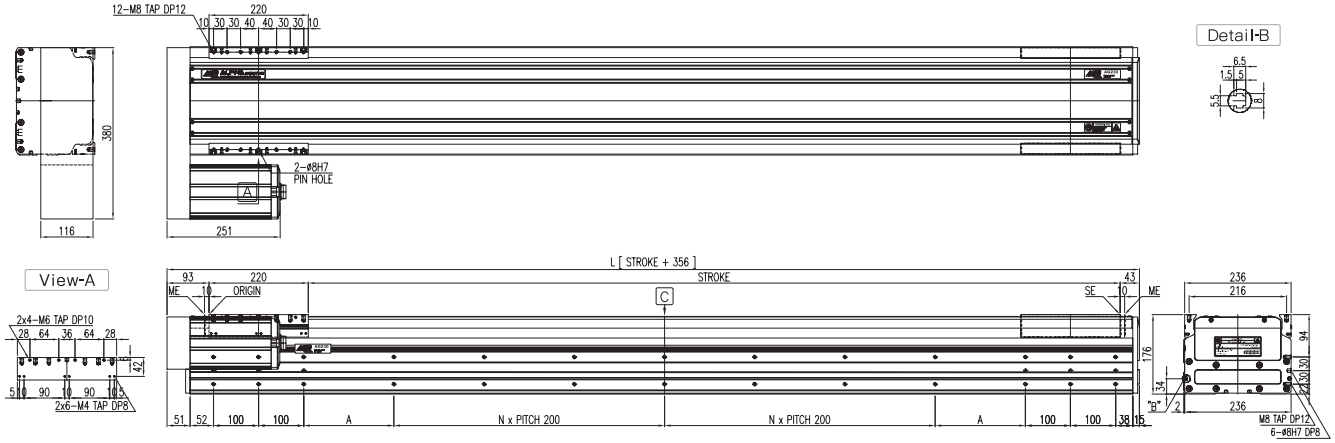
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG230Y-PR1/2-75N
AG230Y-PR1 / AG230Y-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 ~ 1600 (2000)
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

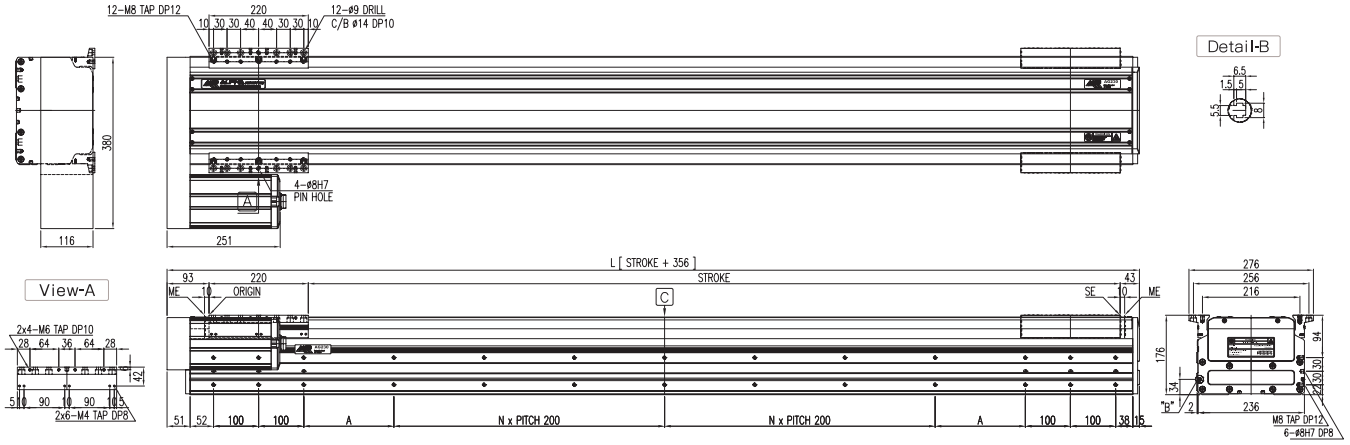
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000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

AG230Y-PR1

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



AG230Y-PR2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG230Y-PR-75N	kg	34.3	38.4	42.4	46.5	50.5	54.6	58.6	62.7	66.7	70.8	4.05

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG230Y-PR-N	mm/s	500							478	391	325	Note4
	AG230Y-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | AG230Y-S | AG230Y-PL | **AG230Y-PR** | AG230Y-PU

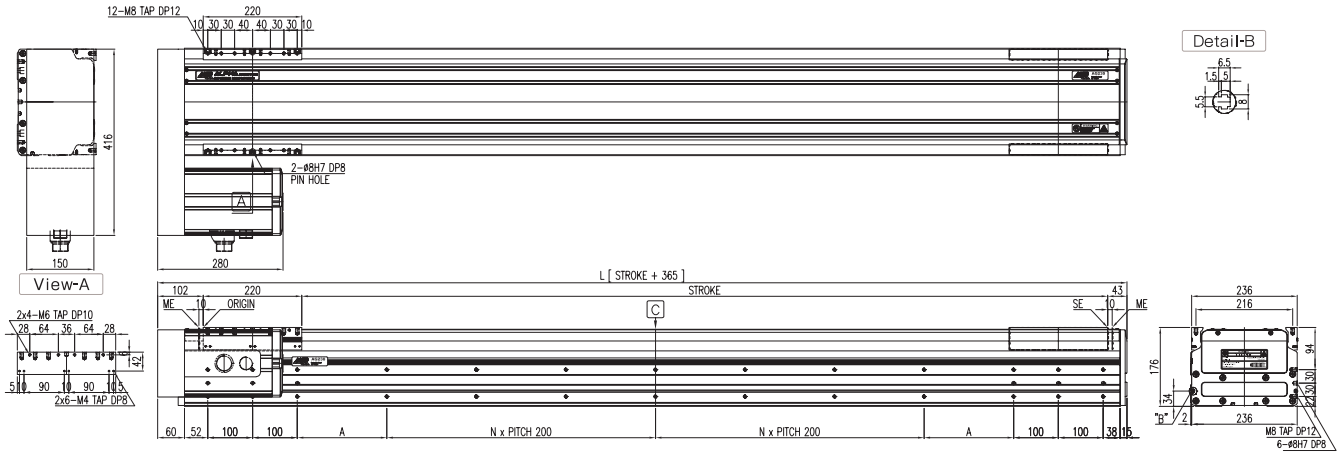
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG230Y-PR1/2-1KN	
AG230Y-PR1 			AG230Y-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 ~ 1600 (2000)	
Repeatability		mm	± 0.02	
Drive Type		-	BALL SCREW	

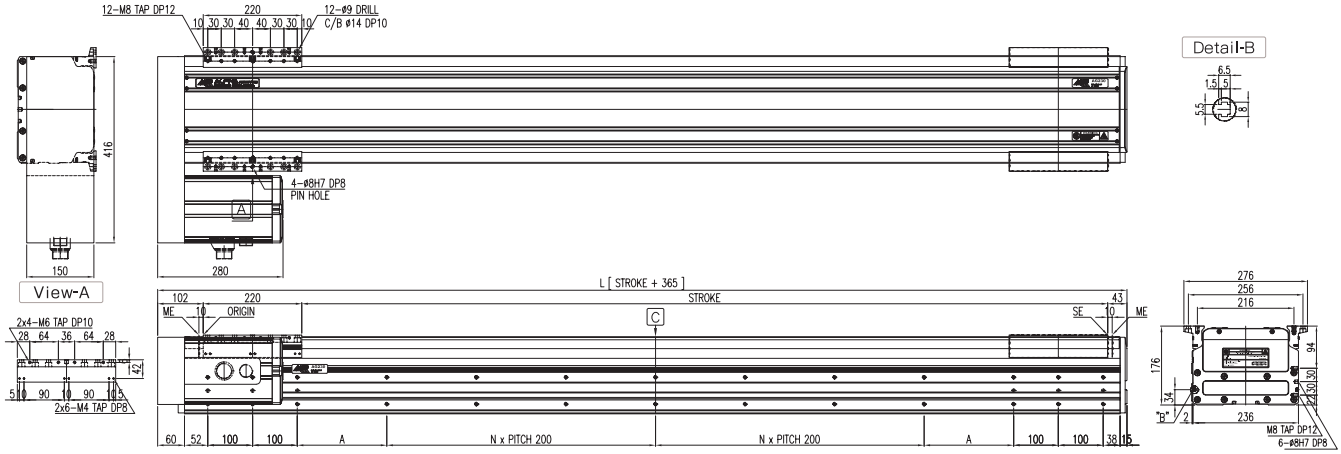
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use 	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use 	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use 	0°	1000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

AG230Y-PR1

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



AG230Y-PR2



	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
Weight	AG230Y-PR-1KN	kg	44.4	48.5	52.5	56.6	60.6	64.7	68.7	72.8	76.8	80.9	4.05
Speed	AG230Y-PR-N	mm/s	330									325	Note4
	AG230Y-PR-H	mm/s	660									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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | AG230Y-S | AG230Y-PL | AG230Y-PR | **AG230Y-PU**

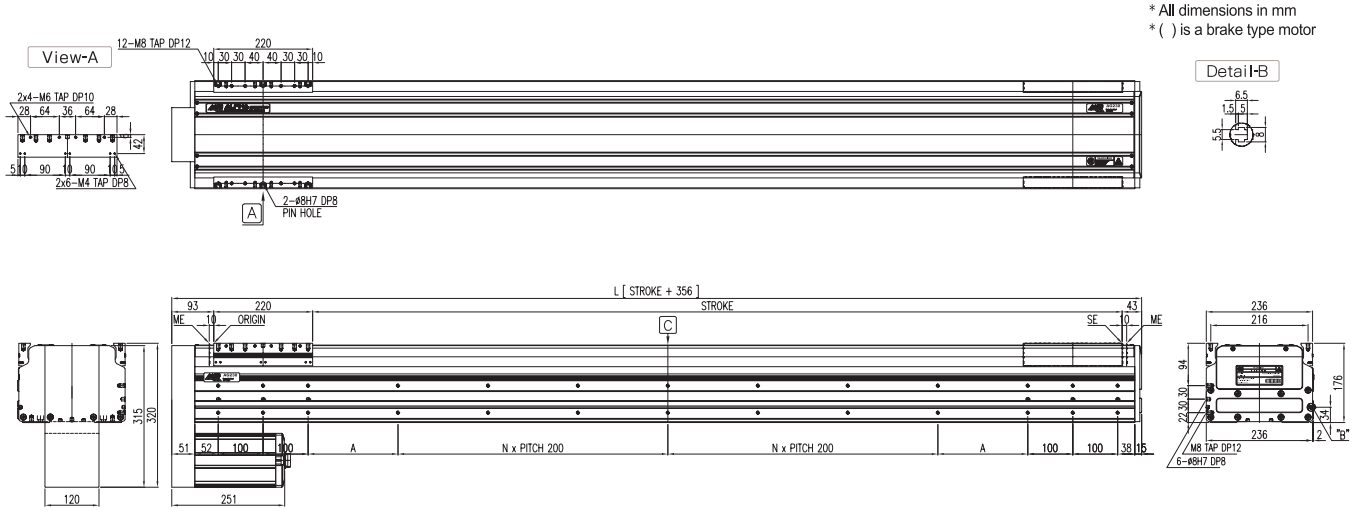
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG230Y-PU1/2-75N
AG230Y-PU1 			AG230Y-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 ~ 1600 (2000)
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

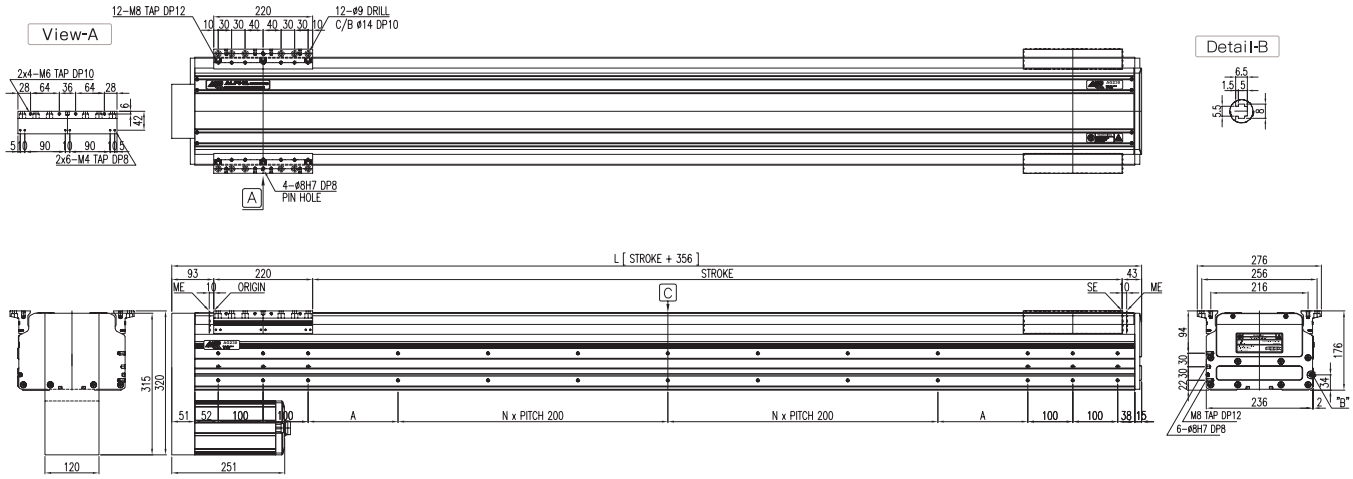
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use 	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use 	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use 	0°	1000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

AG230Y-PU1

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



AG230Y-PU2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG230Y-PU-75N	kg	34.3	38.4	42.4	46.5	50.5	54.6	58.6	62.7	66.7	70.8	4.05
Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG230Y-PU-N	mm/s	500							478	391	325	Note4
	AG230Y-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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.

Model | AG230Y-S | AG230Y-PL | AG230Y-PR | **AG230Y-PU**

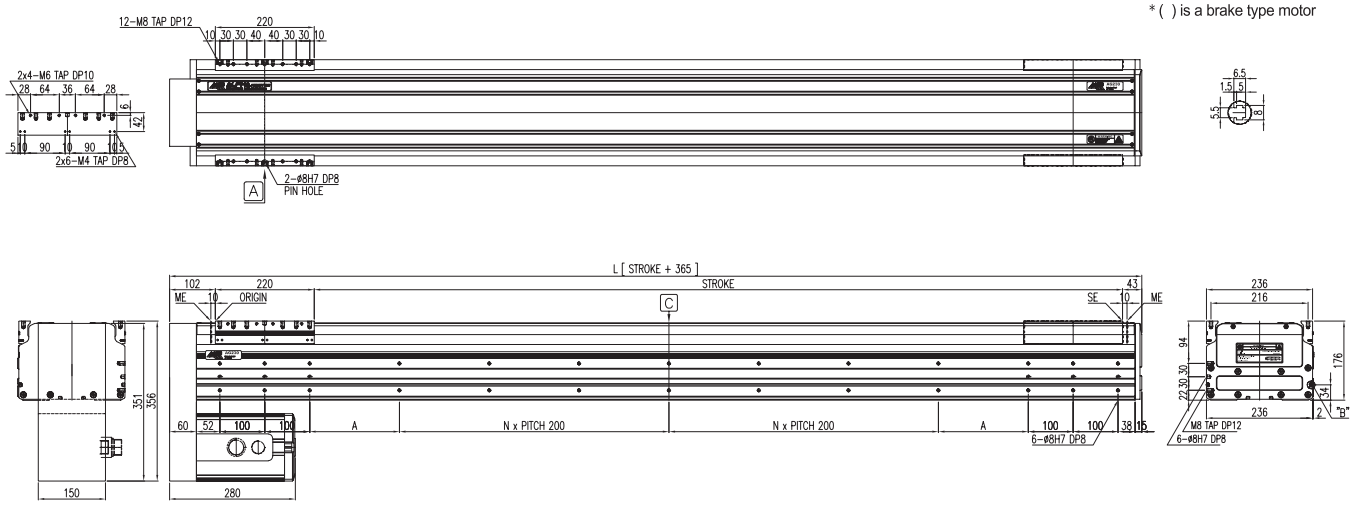
Values of ( ) is in case of speed of 1000mm/sec. / H of Max. Load indicares Horizontal use and V of Max.Load indicates Vertical use.

Specification		Unit	AG230Y-PU1/2-1KN
AG230Y-PU1			
AG230Y-PU2			
Rated Output		W	1000W, 2000 min^{-1}
Max. Speed	Note1	mm/s	330 (660)
Max. Load	Note2	kg	H:150 (150) / V:140 (80)
Stroke Range		mm	200 ~ 1600 (2000)
Repeatability		mm	± 0.02
Drive Type		-	BALL SCREW

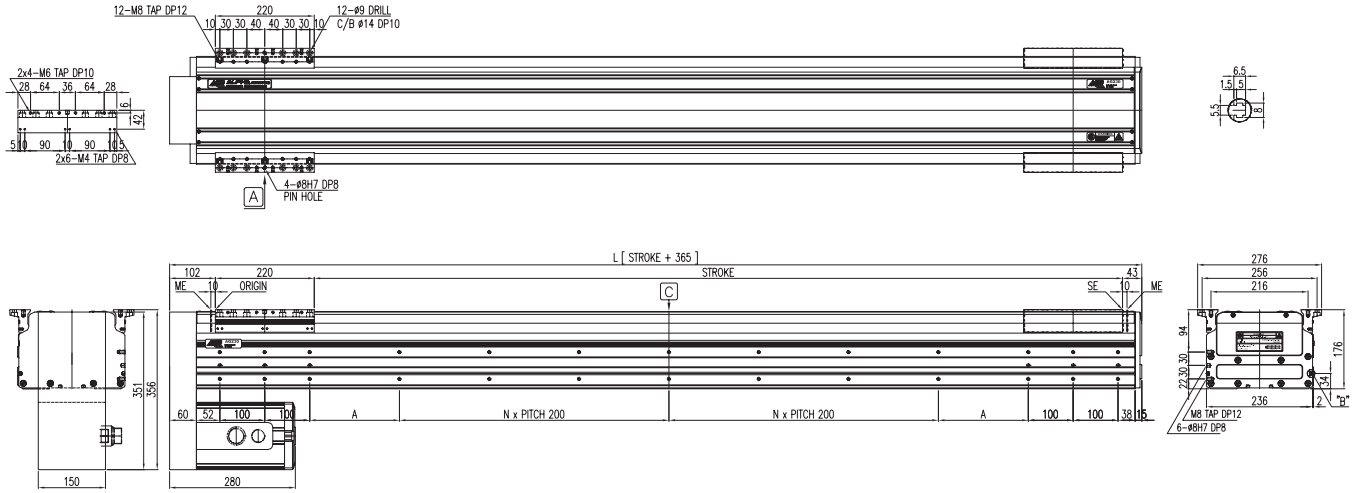
Specification		Unit	Data			
Acceleration		G	0.3			
Load		kg	60	90	120	150
Allowable Overhang Distance - mm	Horizontal Use	0°	1000	835	605	470
		45°	1000	996	720	558
		90°	1000	1000	1000	1000
	Wall Installation Use	0°	1000	705	510	395
		45°	787	507	371	286
		90°	1000	880	640	495
	Vertical Use	0°	1000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

AG230Y-PU1

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



AG230Y-PU2



Weight	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG230Y-PU-1KN	kg	44.4	48.5	52.5	56.6	60.6	64.7	68.7	72.8	76.8	80.9	4.05

Speed	Model \ Stroke	Units	100	200	300	400	500	600	700	800	900	1000	Offset(100)
	AG230Y-PU-N	mm/s	330									325	Note4
	AG230Y-PU-H	mm/s	660									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 (35.7page). The speed on the table is for diameter 20 of Ball Screw and please refer the Specification(35.7page) for diameter 25 of Ball Screw.