

Clean Motion robot

CMR

Clean Motion robot



FEATURE

- Various application is possible due to the greatest cartesian robot line-up.
세계최대의 직교로봇 라인업으로 다양한 어플리케이션 지원
- All series line-up solving problems of designers and users.
설계자와 user의 고민을 해결한 전 시리즈 라인업
- Greatest function among same grade robots through high rigidity by FME analysis.
FME 기구해석으로 고강성을 실현한 동급 최강의 성능
- Various application is possible through Building Block System.
빌딩블럭 시스템 채용으로 다양한 어플리케이션 지원
- Dust-proof structure makes it possible to protect foreign materials so as to extend life of products and cycle time of maintenance.
클린형 방진 구조로 이물질이 본체 내부로 유입되는 것을 방지하여 제품수명 및 Maintenance 주기가 길어짐
- In case of combination of X, Y, Z axes, optimum assembly of brackets and cable ducts realizes maximum functions of high rigidity, high speed, and high accuracy.
기구해석 XYZ조합 시 최적의 조합이 가능하여 고강성, 고속, 고정도의 탁월한 성능 발휘
- Application of motor cable connector and cable mount for clean cable treatment extends the life of wires and cables.
케이블 처리를 위한 모터케이블 커넥터 및 케이블마운트 적용으로 배선 및 케이블 수명 연장
- Environment-friendly system with low lint, dust-proof, low noise.
저발진, 방진, 저소음으로 친환경 시스템 적용
- High rigid structure by FME analysis overcomes demerits of other manufacturers' clean robots.
FME 기구해석으로 고강성을 실현한 구조로 기존(타사)의 클린로봇 단점 보완
- Clean class 100.
크린도 100
- Realization of high speed by 5m/s of Maximum speed.
최대속도 5m/s으로 고속화 실현



- Non-contact magnetic levitation technology overcomes such demerits of Air cylinder as noise, short life of product, low class of clean room application and guarantees such points as no friction movement, high speed, and low noise.
타사의 마찰식 구동방식의 단점(소음발생, 수명단축, 클린도저하)을 비접촉식 자기 부상 슬라이딩 방식(특허기술) 채용으로 무마찰, 고속, 고정도 실현
- Application of greatest high load system.
동급최강의 고하중 시스템 적용
- With application of sense wiring duct, easy maintenance and assembly, positioning adjustment, and high reliability are guaranteed.
센서 배선용 덕트 채용으로 유지보수, 조립, 위치조정이 용이하여 메인テナンス 및 고 신뢰성 확보
- Equipped with individual sense dog and cableveyor, high functionality in single axis and assembled multi axes is realized.
슬라이드에 센서도그 및 케이블베어의 독립 장착구조로 단축 및 조합축 적용 시 탁월한 성능발휘
- Standardization of dedicated assembly brackets for high moment load allows optimum functionality in case of XY combination.
고강성 모멘트하중 전용 신형 조합브라켓을 표준으로 XY 조합 시 탁월한 성능발휘
- No need of special and extra bracket due to standard cable chain duct system.
표준 케이블체인 덕트 시스템 채용으로 별도 브라켓없이 슬라이드에 조립가능 구조
- With patent technology of high rigid, speed, load structure, applied in such industries as Semi-conduct, Nano-technology, IT fields(Cellular phone, LCD, PDP, GPS, etc).
고강성, 고속, 고하중의 기구특성의 특허기술 적용으로 반도체, 나노, IT 분야(핸드폰, LCD, PDP, GPS, 노트북, 디스플레이) 일반산업 등 다양한 산업 적용

CLEAN ROOM ROBOT ORDER INFORMATION

A CMR SERIES 1 AXIS

CMR080 - NL - 2000

1 2 3

B Options

M 75 N R03 EC - C - 5 - 1200

4 5 6 7 8 9 10 11



C Options

I - H LF B 55 - W - N - F00

1 2 3 4 5 6 7 8

1 SERIES

2 Type

3 STROKE (mm)

4 MOTOR IS MOUNTED OR NOT

5 MOTOR RATED OUTPUT

6 BRAKE OPTION

7 REDUCER

8 REDUCER TYPE REDUCER DIRECTION

9 FIXING METHOD OF ROBOT

10 QUANTITY OF CLAMP

11 TORSION BAR UNIT

1 SENSOR

2 3 4 5

CABLEVEYOR

6 COLOR OF ROBOT

7 SURFACE TREATMENT

8 CABLE LENGTH

CLEAN ROOM ROBOT ORDER INFORMATION



Clean
Motion
Robot



CMR050



CMR060

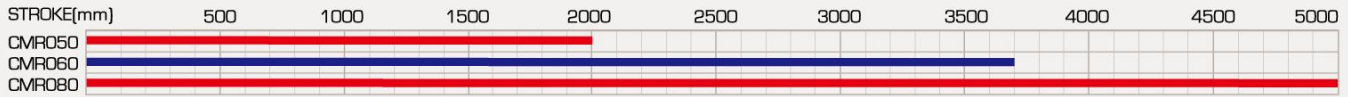


CMR080

NL Shaft Left



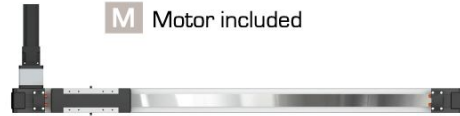
NR Shaft Right



N Motor excluded



M Motor included



10 100W

20 200W

40 400W

75 750W

N Without Brake

B With Brake

R03
1/3

R04
1/4

R05
1/5

R06
1/6

R07
1/7

R08
1/8

R09
1/9

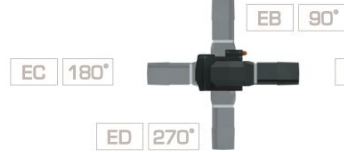
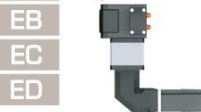
R10
1/10

* Customized reducing ratio applicable according to customer's demand.
* 고객이 원하는 감속비 적용 가능
* Please refer text regarding standard reducing ratio of each model.
* 각 모델의 표준 감속비에 대해서는 Text를 참조 바랍니다.

S Straight Reducer



EA Angle - Reducer



* Type for "M" of option NQ.4
* Option No.4의 M type

* Dimensions of drawing are differed by manufactures of motor and reducer. (Gear box)
* 감속기와 모터의 Maker에 따라서 도면 치수가 달라질 수 있습니다.

C Clamp block



P Bolt plate



B Tap on bottom surface



N None clamp

5 5EA

* User's selection by STROKE or ALPHA's standard.
* 당사 표준 또는 Stroke별 사용자 선택

N None torsion bar unit

1200 Distance (refer to option page) between actuators

* Indicate distance between actuators when TORSION BAR is used.
* Torsion bar 적용시 축 간 거리
* Please see the catalogue C60.3 for more information of TORSION BAR UNIT.
* Torsion bar에 대한 상세한 정보는 본 카탈로그 C60.3 페이지를 참조 바랍니다.

I Internal Sensor (Standard)

E External Sensor

2 Attaching Type

N None H Horizontal

3 Cableveyor direction

LF Left - Front

RF Right - Front

LR Left - Rear

RR Right - Rear

4 Cableveyor selection (Hmm × Wmm)



Standard

CPS

Cleanroom

IGUS

TSUBAKI

B 28×35

C 28×55

D 28×75

E 28×100

F 29×40

G 29×60

H 29×80

I 29×100

J 28×40

K 28×60

L 28×80

M 28×100

5 The radius of curvature (mm)

45 R40 ~ R45

55 R50 ~ R55

* Please see the catalogue C60.4 for more information of cableveyor.
* 케이블베어에 대한 상세한 정보는 본 카탈로그 C60.4 페이지를 참조 바랍니다.

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

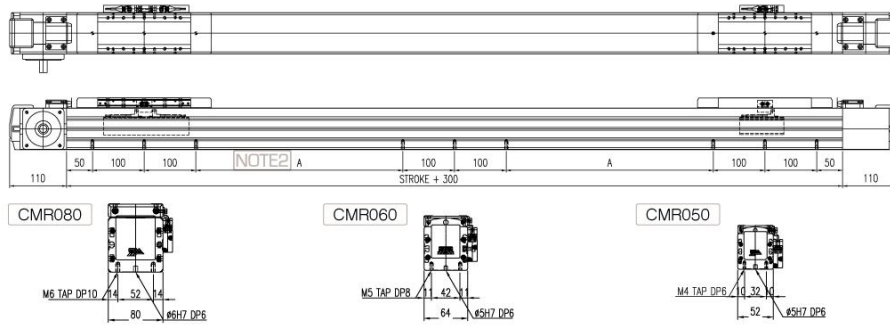
* Please do not hesitate to contact us when the cable is applied more than 10m.
* 케이블 길이가 10m 이상일 경우에는 회사와 협의 바랍니다.

CLEAN ROOM ROBOT ORDER INFORMATION

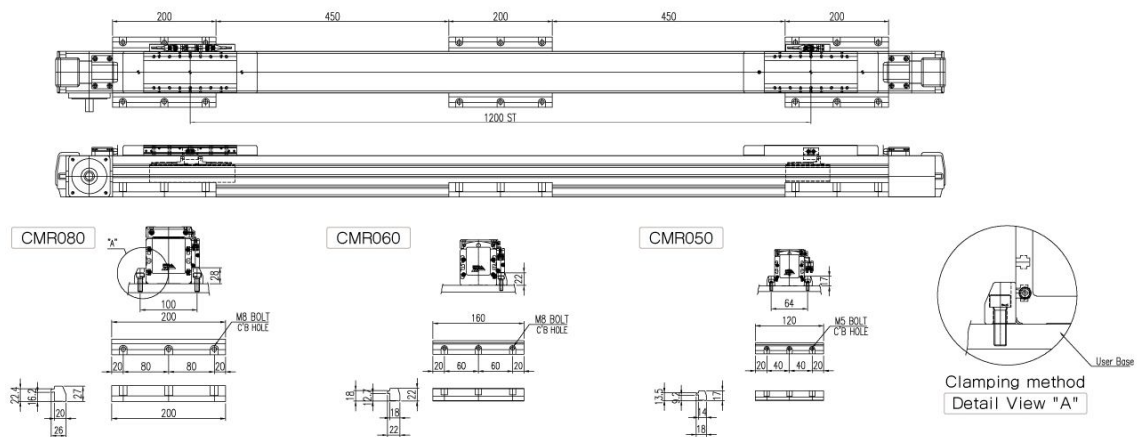
10 Quantity Of Clamp

B TAP ON BOTTOM SURFACE

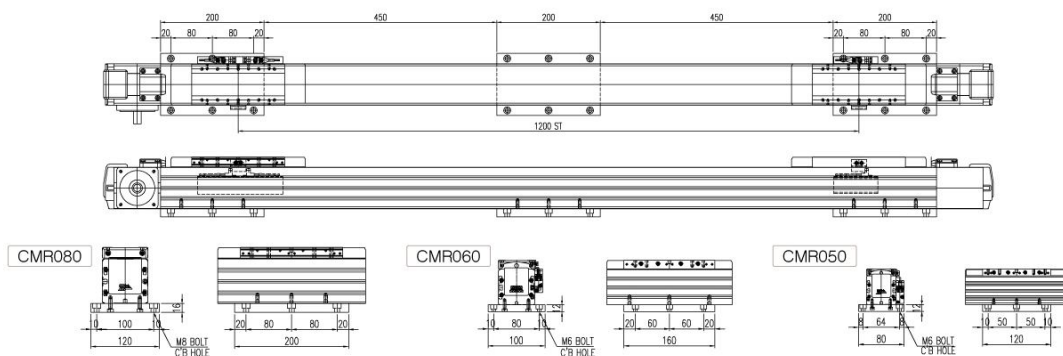
* All dimensions in mm



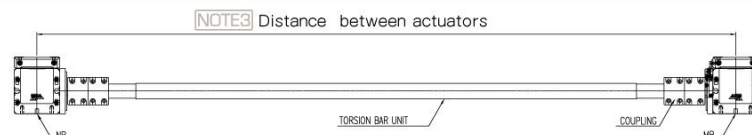
C CLAMP BLOCK NOTE1



P BOLT PLATE NOTE1



11 Torsion Bar Unit



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.

In case of application of Clamp Block and Bolt Plate, quantity is 3pcs when a stroke is under 1000mm and 1pc per every 400mm when a stroke is over 1000mm.

The distance of "A" should be within 300mm.

Please indicate desired distance between actuators on the Option in Order Information.



- * 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.

CLAMP BLOCK, BOLT PLATE 적용시 수량은 1000스트로크 이하 3EA, 초과시 400스트로크당 1EA권장

"A"값은 최대 300mm 이내 일 것

필요한 축간 거리를 옵션에 표기 할 것

B CLEAN ROOM ROBOT ORDER INFORMATION

2 3 4 5 Cableveyor Selecting Options

Series	Applicable Type			
CMR	Horizontal	Wall Hanging	Rear	Double
	●			

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				

Cableveyor Directions			
L F	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 dimensions		External dimensions		Radius	Capacity (mm ²)	Selecting Item	Internal dimensions		External dimensions		Radius	Capacity (mm ²)	Selecting Item	Internal dimensions		External dimensions		Radius	Capacity (mm ²)
	H	W	Y	X	R	[NOTE2] Origin		H	W	Y	X	R	[NOTE2] Origin		H	W	Y	X	R	[NOTE2] Origin
B	28	35	35	79.5	45	1128	F	29	40	35	60	45	1160	J	28	40	35	60	45	1120
C		55		99.5	55	980	G		60		80	55	1740	K		60		80	55	1680
D		75		119.5	75	1540	H		80		100	75	2320	L		80		100	75	2240
E		100		139.5	95	2100	I		100		120	95	2900	M		100		120	95	2800
-	-	-	-	100	2800	-	-	-	-	100	-	-	-	-	-	-	-	100	-	



*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%



*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.

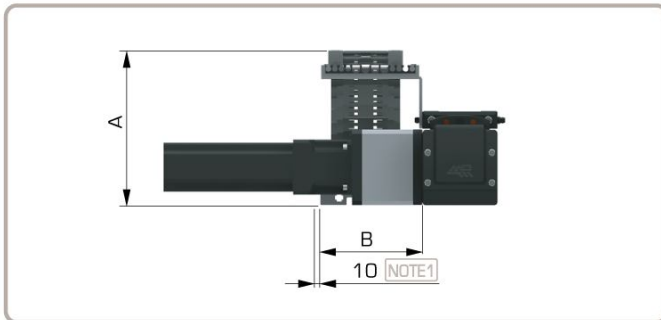


[NOTE1] 케이블베어를 장착하지 않을 경우에는 "N"(None)만 표기하고 다른 케이블베어 사양은 표기하지 않습니다.
[NOTE2] 용적률은 사용자의 사용환경, 사용조건에 따라 60%이하로 적절히 선정하십시오.

B

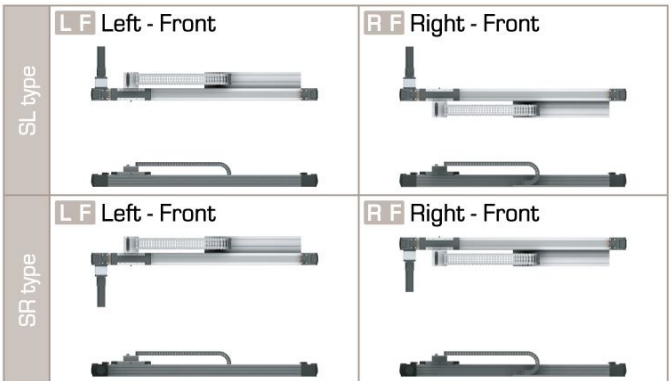
CLEAN ROOM ROBOT ORDER INFORMATION

2 Horizontal Type



BASE SIZE	CABLEVEYOR		S1	S2
	Bending radius R	Internal dimensions	A	B
CMR050	R045	35, 40	128	80
		55, 60	128	80
CMR060	R055	55, 60	155	80
		75, 80	155	80
CMR080	R055	75, 80	174	98
		100, 100	174	98

3 ^{NOTE2} Cableveyor Directions

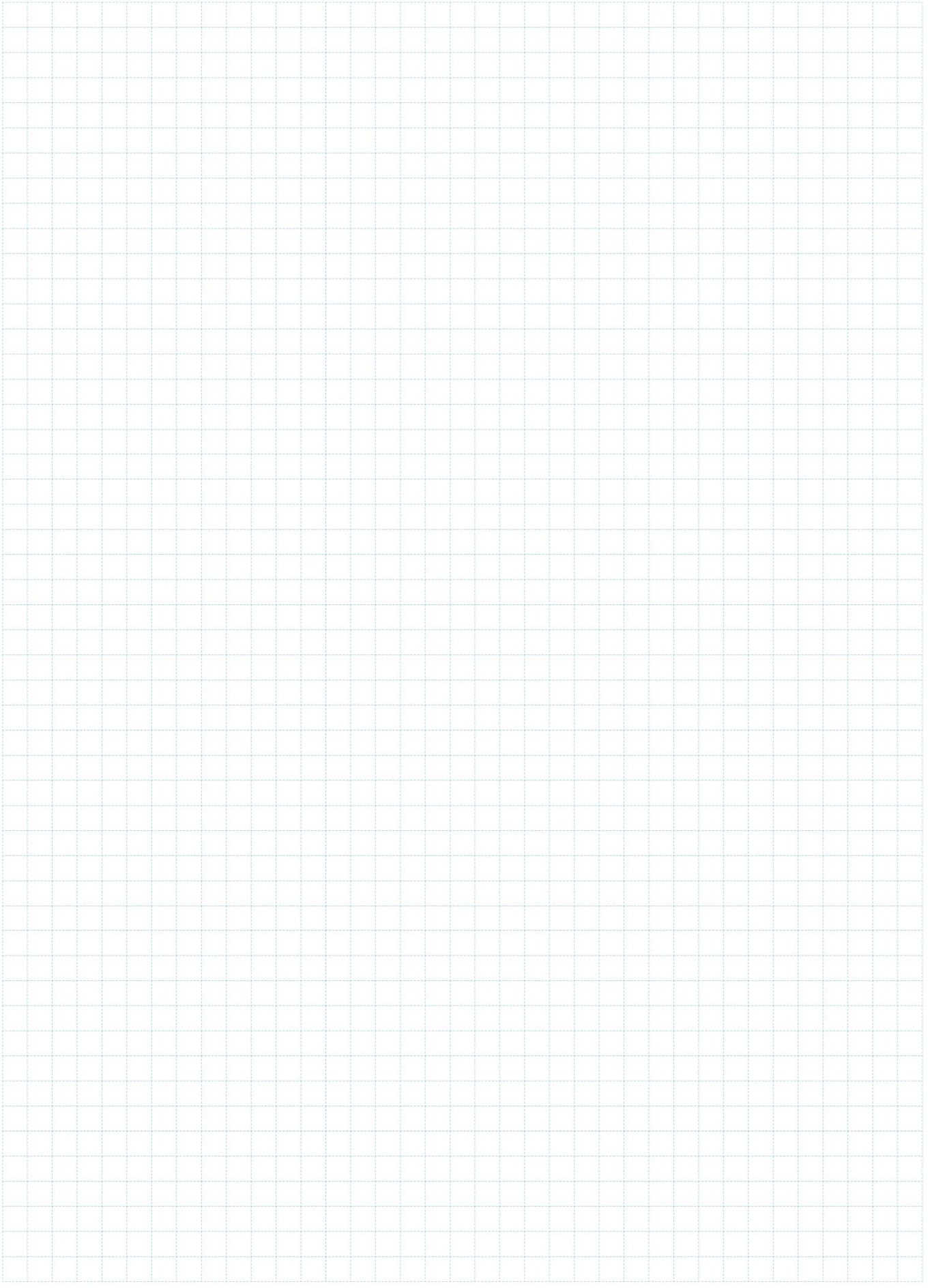


^{NOTE1} This is a minimum space allowance between Cableveyor and external interference when robot drives.

^{NOTE2} For the information of Cableveyor 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.



SPEC

ACM
SERIES

ACR
SERIES

ACT
SERIES

ACC
SERIES

CMR
SERIES



ALPHA CLEAN ROBOT SPECIFICATIONS

Product		Rated Output	REDUCER	Max. Speed	Max. Load (H)					
		w	i	mm/s	20	40	60	80	kg	
CMR SERIES	050	100	3	1750						1
			4	1300						3
			5	1050						5
			6	850						10
			8	650						16
			10	500						20
	060	200	3	2200						5
			4	1600						10
			5	1350						15
			6	1100						25
			7	950						30
			8	800						40
		400	3	2200						8
			4	1600						18
			5	1350						28
			6	1100						40
			7	950						40
			8	800						40
	080	400	3	2500						5
			4	2200						10
			5	1750						18
			6	1450						26
			8	1100						45
			10	850						72
		750	3	2500						14
			4	2200						25
			5	1750						45
			6	1450						60
			8	1100						80
			10	850						80



PROGRAM

[illegible]

SPEC

ACM
SERIES

ACR
SERIES

ACT
SERIES

ACC
SERIES

CMR
SERIES

Model

CMR050

CMR060

CMR080

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.

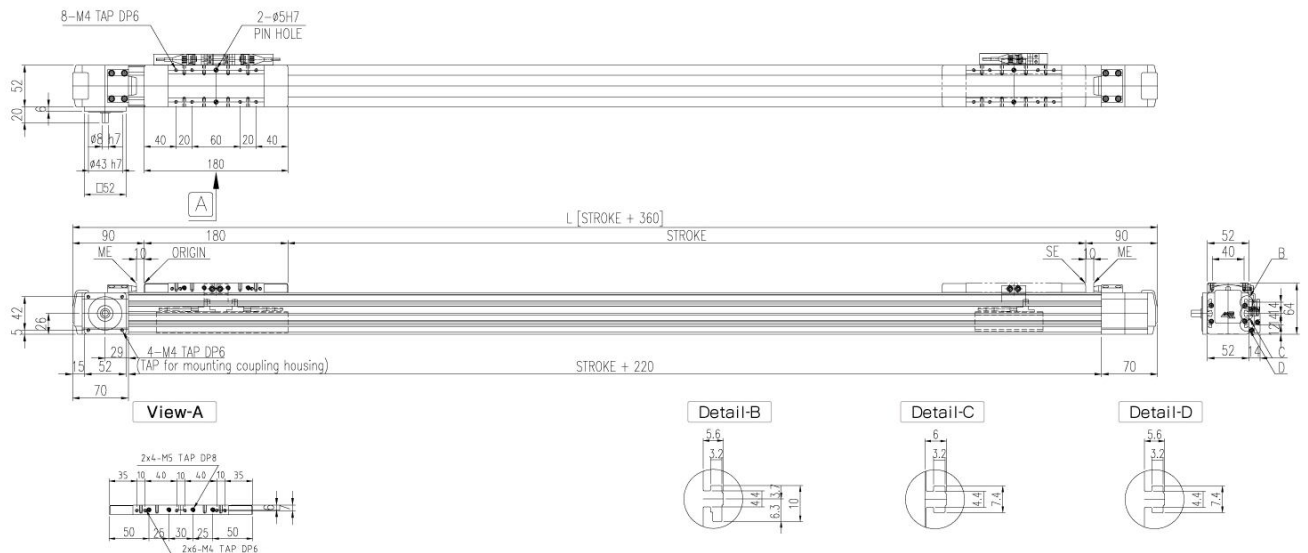
Specification	Unit	CMR050-NL/NR-10						Specification	Unit	Data				
CMR050-NR								Acceleration	G	0.3				
								Load	kg	1	5	10	20	
Note3 Allowable Overhang Distance - mm								Horizontal Use 	0°	300	192	86	33	
									45°	300	190	85	33	
									90°	300	300	300	300	
								Note4 Wall Installation Use 	0°	300	300	300	300	
									45°	300	89	41	17	
									90°	300	90	41	17	
								Note4 Vertical Use 	0°	300	300	280	140	
									45°	300	273	136	68	
									90°	300	300	225	112	
Note3 Allowable Overhang Distance - mm								Estimated Condition	Max Speed : 1750 mm/s			Acceleration : 0.3 G (2.94/s²)		
									Life in traveled distance : 30000 km					
Rated Output		W	100W,3000 min ⁻¹											
Raducer		Ratio	3	4	5	6	8	10						
Max. Speed		Note1 mm/s	1750	1300	1050	850	650	500						
Max. Load		Note2 kg	1	3	5	10	16	20						
Stroke Range		mm	2000											
Repeatability		mm	± 0.1											
Drive Type		-	BELT											

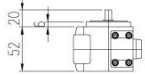
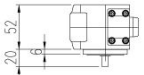
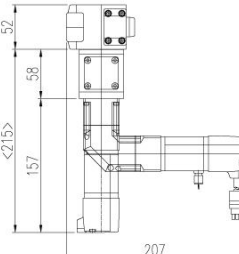
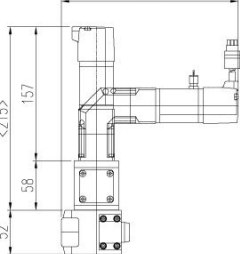
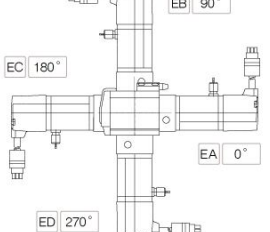
Rated Output	W	100W, 3000min ⁻¹					
Reducer	Ratio	3	4	5	6	8	10
Max. Speed	Note1 mm/s	1750	1300	1050	850	650	500
Max. Load	Note2 kg	1	3	5	10	16	20
Stroke Range	mm	2000					
Repeatability	mm	± 0.1					
Drive Type	-	BELT					

CMR050-NR

N 1 AXIS

* All dimensions in mm



CMR050-NL	CMR050-NR	CMR050-NR	CMR050-NL	REDUCER DIRECTION
Motor mounted right	Motor mounted left	Motor mounted right	Motor mounted left	
				
4-M4 TAP DP6 (TAP for mounting coupling housing)	4-M4 TAP DP6 (TAP for mounting coupling housing)	52, 58, 157, 207, 215	52, 58, 157, 207, 215	EB 90°, EC 180°, EA 0°, ED 270°

Model	Stroke	Units	200	400	600	800	1000	1200	1400	1600	1800	2000	Offset100	CAUTION
CMR050-10	kg		5.8	6.7	7.9	9.0	10.0	11.1	12.2	13.2	14.3	15.3	0.53	In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. -ME: Mechanical End -SE: Stroke End Dimensions of '<' '>' are subject to change by specifications of motor or gearbox(reducer). 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 In case of Vertical use or Wall installation use, please consult with us.
CMR050-10-R03	mm/s							1750						
CMR050-10-R04	mm/s							1300						
CMR050-10-R05	mm/s							1050						
CMR050-10-R06	mm/s							850						
CMR050-10-R08	mm/s							650						
CMR050-10-R10	mm/s							500						

Model	CMR050	CMR060	CMR080					
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Specification	Unit	CMR060-NL/NR-20/40					
CMR060-NR 							
Rated Output	W	200W(400W),3000 min ⁻¹					
Raducer	Ratio	3	4	5	6	7	8
Max. Speed	Note1 mm/s	2200	1600	1350	1100	950	800
Max. Load	Note2 kg	5(8)	10(18)	15(28)	25(40)	30(40)	40(40)
Stroke Range	mm	3700					
Repeatability	mm	±0.1					
Drive Type	-	BELT					

Specification	Unit	Data			
Acceleration	G	0.3			
Load	kg	5	15	25	40
Horizontal Use	0°	270	86	49	28
	45°	270	86	49	29
	90°	350	350	350	350
Note4 Wall Installation Use	0°	350	350	350	350
	45°	250	76	41	21
	90°	255	77	42	21
Note4 Vertical Use	0°	350	350	218	136
	45°	350	207	124	77
	90°	350	350	240	150
Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94/s ²)		
Life in traveled distance : 30000 km					

Notes

Values of (7/s) in case of speed of 1000/minsec, 7/1000mm, Load indicates Horizontal use and 7/0 or Max.Load indicates Vertical use.

Note1: Max. speed is 2000mm/s.

Note2: Max. load is 40kg.

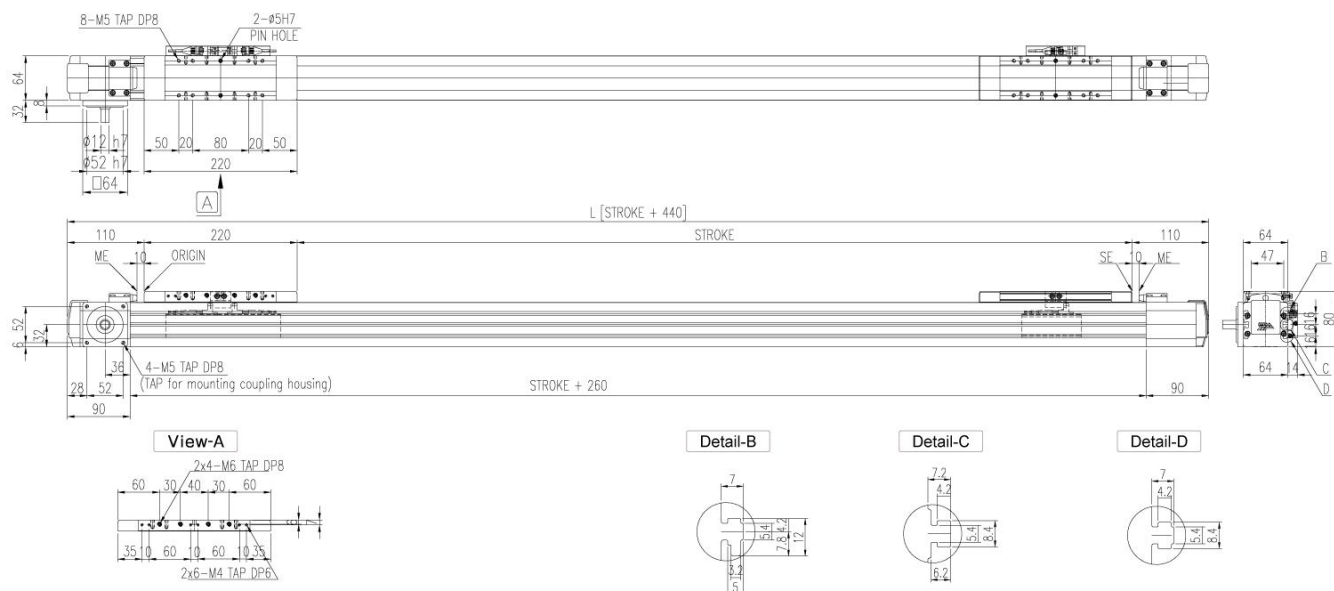
Note3: Allowable Overhang Distance · mm

Note4: Refer to the manual for details.

CMR060-NR

N 1 AXIS

* All dimensions in mm



CMR060-NL 4-M5 TAP DPB (TAP for mounting coupling housing)	CMR060-NR 4-M5 TAP DPB (TAP for mounting coupling housing)	CMR060-NR Motor mounted right	CMR060-NL Motor mounted left	REDUCER DIRECTION
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Model	Stroke	Units	300	500	900	1300	1700	2100	250	2900	3300	3700	Offset100	⚠ CAUTION ※ 한글번역은 C10.1 Page를 참조하시기 바랍니다.
CMR060-20/40		kg	9.9	10.9	12.9	14.9	16.9	19.4	20.9	22.9	24.9	28.5	1.23	
CMR060-20/40-R03		mm/s						2200						NOTED In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME : Mechanical End ·SE : Stroke End Dimensions of 'C' > 'A' are subject to change by specifications of motor or gearbox(reducer). NOTED In case of the short stroke, it may not be reached at maximum speed. NOTED It is changed by operating conditions. NOTED In case of use of products beyond allowable overhang value, it may result in malfunction of products. NOTED In case of Vertical use or Wall installation use, please consult with us.
CMR060-20/40-R04		mm/s						1600						
CMR060-20/40-R05		mm/s						1350						
CMR060-20/40-R06		mm/s						1100						
CMR060-20/40-R07		mm/s						950						
CMR060-20/40-R08		mm/s						800						

Model	CMR050	CMR060	CMR080					
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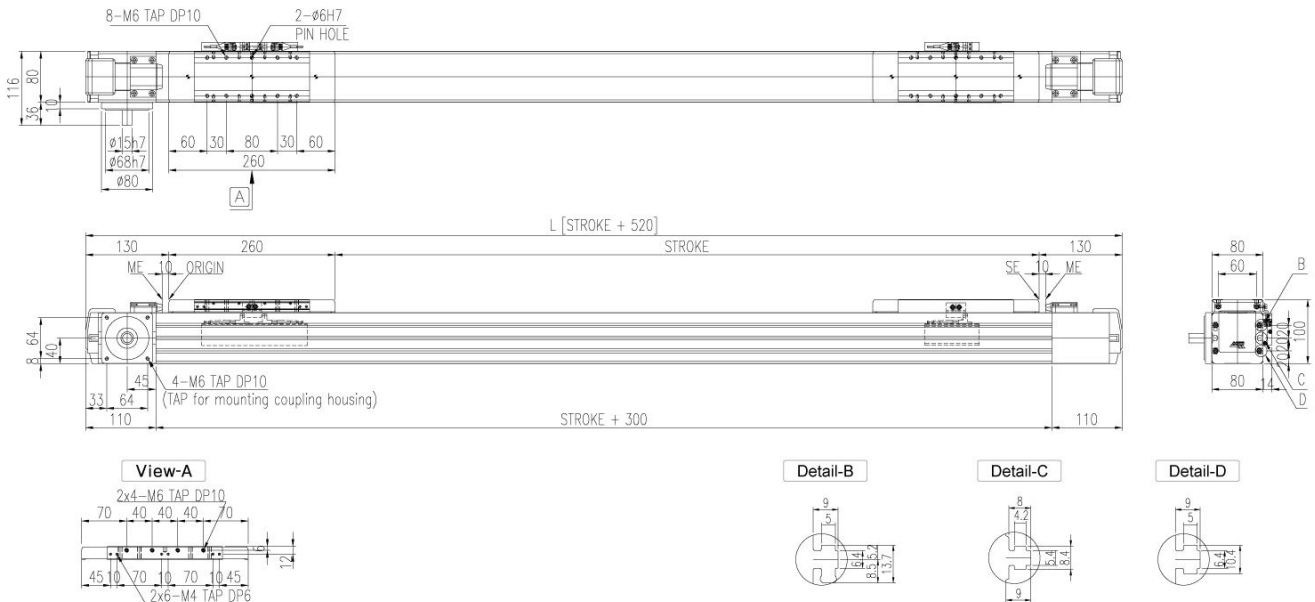
Specification	Unit	CMR080-NL/NR-40/75						
CMR080-NR								
Rated Output		W	400W(750W), 3000min ⁻¹					
Raducer	Note1	Ratio	3	4	5	6	8	10
Max. Speed	Note2	mm/s	2500	2200	1750	1450	1100	850
Max. Load	Note3	kg	5(14)	10(25)	18(45)	26(60)	45(80)	72(80)
Stroke Range		mm	5000					
Repeatability		mm	± 0.1					
Drive Type		-	BELT					

Specification	Unit	Data				
Acceleration	G	0.3				
Load	kg	10	30	50	80	
Note3 Allowable Overhang Distance - mm	Horizontal Use	0°	450	145	83	48
		45°	450	144	83	48
		90°	500	500	500	500
	Note4 Wall Installation Use	0°	500	500	500	500
		45°	420	128	69	36
		90°	430	131	71	37
	Note4 Vertical Use	0°	500	365	220	138
		45°	500	215	128	80
		90°	500	425	253	159
Estimated Condition	Max Speed : 2000 mm/s		Acceleration : 0.3 G (2.94/s ²)			
	Life in traveled distance : 30000 km					

CMR080-NR

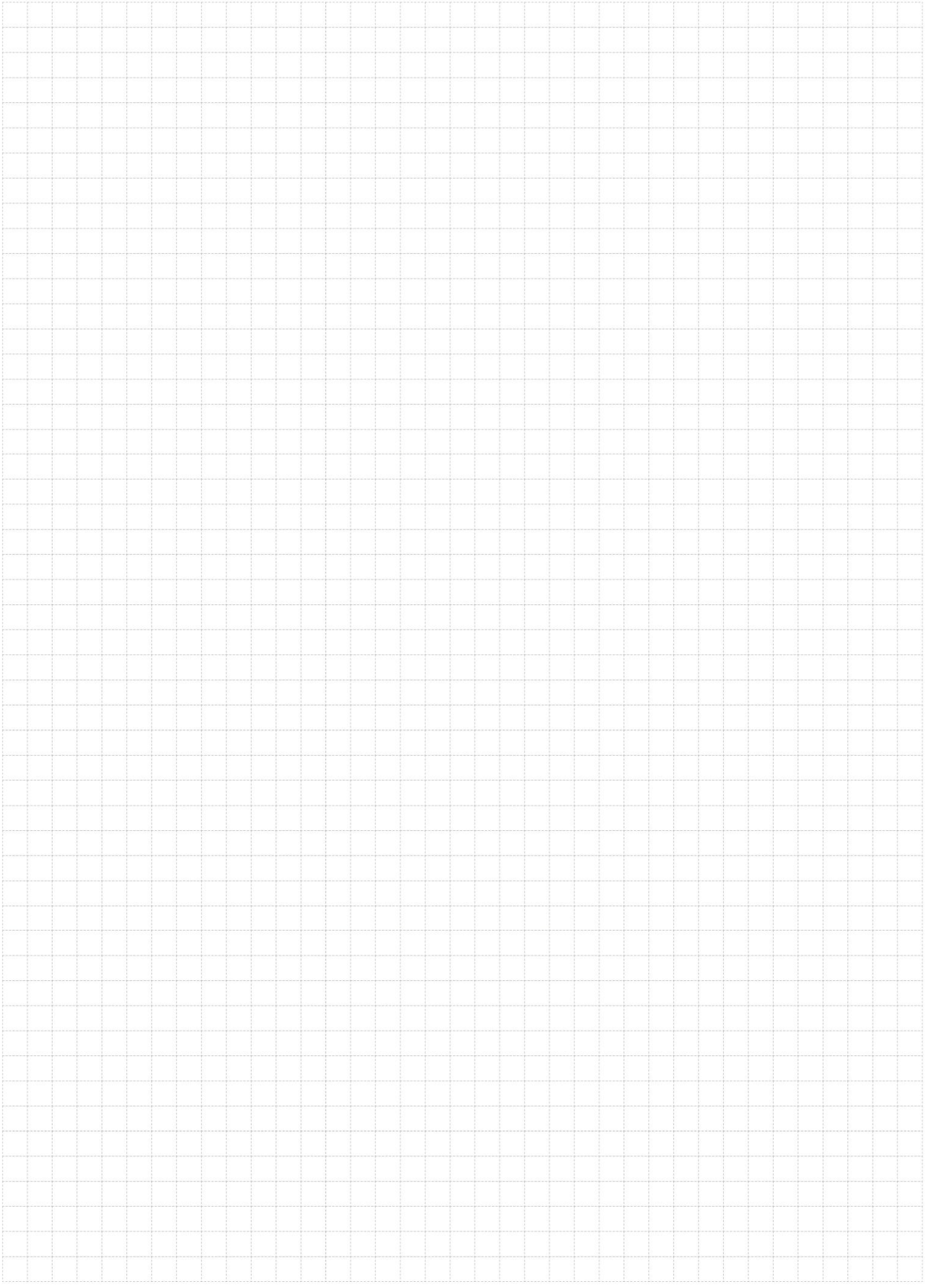
N 1 AXIS

* All dimensions in mm



CMR080-NL	CMR080-NR	CMR080-NR	CMR080-NL	REDUCER DIRECTION
 4-M6 TAP DP10 (TAP for mounting coupling housing)	 4-M6 TAP DP10 (TAP for mounting coupling housing)	Motor mounted right 	Motor mounted left 	

Model	Stroke	Units	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	Offset100	CAUTION
CMR080-40/75		kg	18.5	23	27.6	32.1	36.7	41.2	45.8	55.1	64.3	73.5	1.85	※ 한글권역은 C10.1 Page 를 참조하시기 바랍니다. △ In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME : Mechanical End ·SE : Stroke End Dimensions of '△' are subject to change by specifications of motor or gearbox(reducer). 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 In case of Vertical use or Wall installation use, please consult with us.
CMR080-40/75-R03		mm/s	2500											
CMR080-40/75-R04		mm/s	2200											
CMR080-40/75-R05		mm/s	1750											
CMR080-40/75-R06		mm/s	1450											
CMR080-40/75-R08		mm/s	1100											
CMR080-40/75-R10		mm/s	850											



SPEC

ACM
SERIES

ACR
SERIES

ACT
SERIES

ACC
SERIES

CMR
SERIES

CLEAN ROOM ROBOT ORDER INFORMATION

A CMR SERIES Synchronous type

CMR080 - ML - 2000

1

2

3

B Options

M 75 N R03 EC - C - 5 - 1200

4

5

6

7

8

9

10

11



C Options

I - H LF B 55 - W - N - F00

1

2

3

4

5

6

7

8

1 SERIES

2 Type

3 STROKE
(mm)

4 MOTOR IS
MOUNTED
OR NOT

5 MOTOR
RATED OUTPUT

6 BRAKE OPTION

7 REDUCER

8 REDUCER TYPE
REDUCER
DIRECTION

9 FIXING METHOD
OF ROBOT

10 QUANTITY
OF CLAMP

11 TORSION BAR
UNIT

1 SENSOR

2 3 4 5
CABLEVEYOR

6 COLOR OF
ROBOT

7 SURFACE
TREATMENT

8 CABLE
LENGTH

CLEAN ROOM ROBOT ORDER INFORMATION



Clean
Motion
Robot



CMR050



CMR060



CMR080

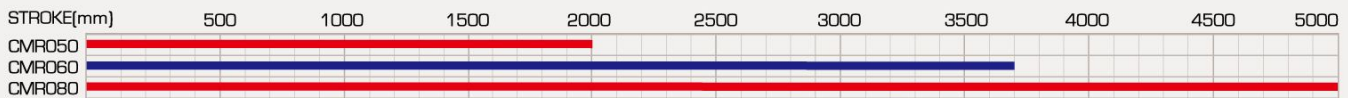
ML Shaft Left



MR Shaft Right



MB Shaft Both



N Motor excluded



M Motor included



10 100W

20 200W

40 400W

75 750W

N Without Brake

B With Brake

R03
1/3

R04
1/4

R05
1/5

R06
1/6

R07
1/7

R08
1/8

R09
1/9

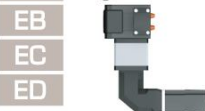
R10
1/10

* Customized reducing ratio applicable according to customer's demand.
* 고객이 원하는 감속비 적용 가능
* Please refer text regarding standard reducing ratio of each model.
* 각 모델의 표준 감속비에 대해서는 Text를 참조 바랍니다.

S Straight Reducer



EA Angle - Reducer



* Type for "M" of option NO.4
* Option No.4의 M type

* Dimensions of drawing are differed by manufactures of motor and reducer. (Gear box)
* 감속기와 모터의 Maker에 따라서 도면 치수가 달라질 수 있습니다.

C Clamp block



P Bolt plate



B Tap on bottom surface



N None clamp

5 5EA

* User's selection by STROKE or ALPHA's standard.
* 당사 표준 또는 Stroke별 사용자 선택

N None torsion bar unit

1200 Distance (refer to option page) between actuators

* Indicate distance between actuators when TORSION BAR is used.
* Torsion bar 적용시 축 간 거리
* Please see the catalogue C60.3 for more information of TORSION BAR UNIT.
* Torsion bar에 대한 상세한 정보는 본 카탈로그 C60.3 페이지를 참조 바랍니다.

I Internal Sensor (Standard)

E External Sensor

2 Attaching Type

4 Cableveyor selection (Hmm × Wmm)

3 Cableveyor direction

5 The radius of curvature (mm)

* Please see the catalogue C60.4 for more information of cableveyor.
* 케이블베어에 대한 상세한 정보는 본 카탈로그 C60.4 페이지를 참조 바랍니다.

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.
* 케이블 길이가 10m 이상일 경우에는 회사와 협의 바랍니다.

Model	CMR050	CMR060	CMR080					
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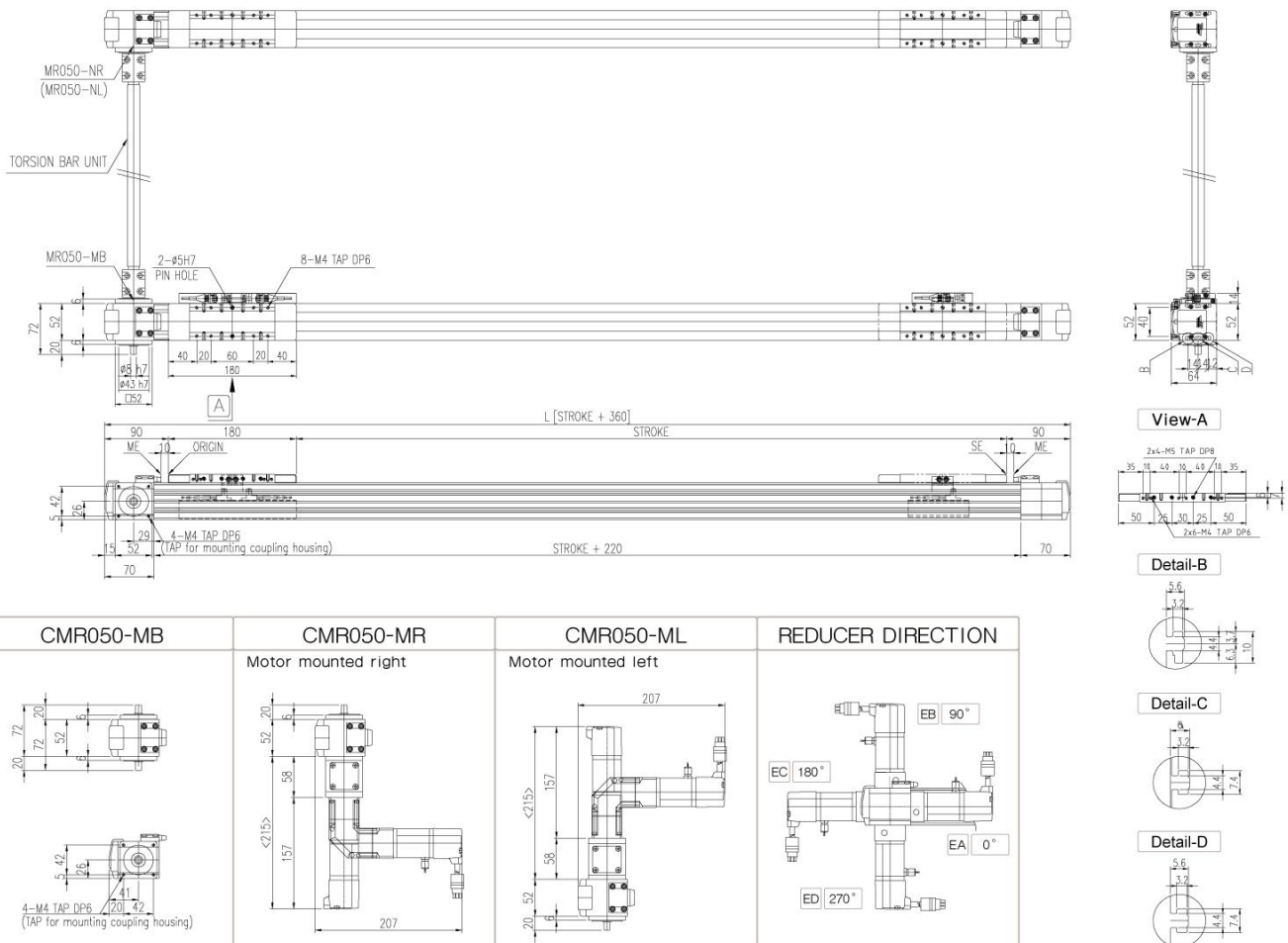
Specification	Unit	CMR050-ML/MR-10					
CMR050-MR 							
Rated Output	W	100W,3000 min ⁻¹					
Raducer	Ratio	3	4	5	6	8	10
Max. Speed	Note1 mm/s	1750	1300	1050	850	650	500
Max. Load	Note2 kg	1	3	5	10	16	20
Stroke Range	mm	2000					
Repeatability	mm	± 0.1					
Drive Type	-	BELT					

Specification	Unit	Data				
Acceleration	G	0.3				
Load	kg	1	5	10	20	
Note3 Allowable Overhang Distance - mm	Horizontal Use 	0°	300	192	86	33
		45°	300	190	85	33
		90°	300	300	300	300
	Note4 Wall Installation Use 	0°	300	300	300	300
		45°	300	89	41	17
		90°	300	90	41	17
	Note4 Vertical Use 	0°	300	300	280	140
		45°	300	273	136	68
		90°	300	300	225	112
Estimated Condition	Max Speed : 1750 mm/s		Acceleration : 0.3 G (2.94/s ²)			
	Life in traveled distance : 30000 km					

CMR050 - MR

M 2 AXIS

* All dimensions in mm



Model	Stroke	Units	200	400	600	800	1000	1200	1400	1600	1800	2000	Offset100	CAUTION
CMR050-10		kg	5.8	6.7	7.9	9.0	10.0	11.1	12.2	13.2	14.3	15.3	0.53	In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. ·ME: Mechanical End ·SE: Stroke End Dimensions of 'x' are subject to change by specifications of motor or gearbox(reducer).
CMR050-10-R03		mm/s	1750											
CMR050-10-R04		mm/s	1300											
CMR050-10-R05		mm/s	1050											[NOTE1] In case of the short stroke, it may not be reached at maximum speed. [NOTE2] it is changed by operating conditions.
CMR050-10-R06		mm/s	850											[NOTE3] In case of use of products beyond allowable overhang value, it may result in malfunction of products.
CMR050-10-R08		mm/s	650											[NOTE4] In case of Vertical use or Wall installation use, please consult with us.
CMR050-10-R10		mm/s	500											

Model

CMR050

CMR060

CMR080

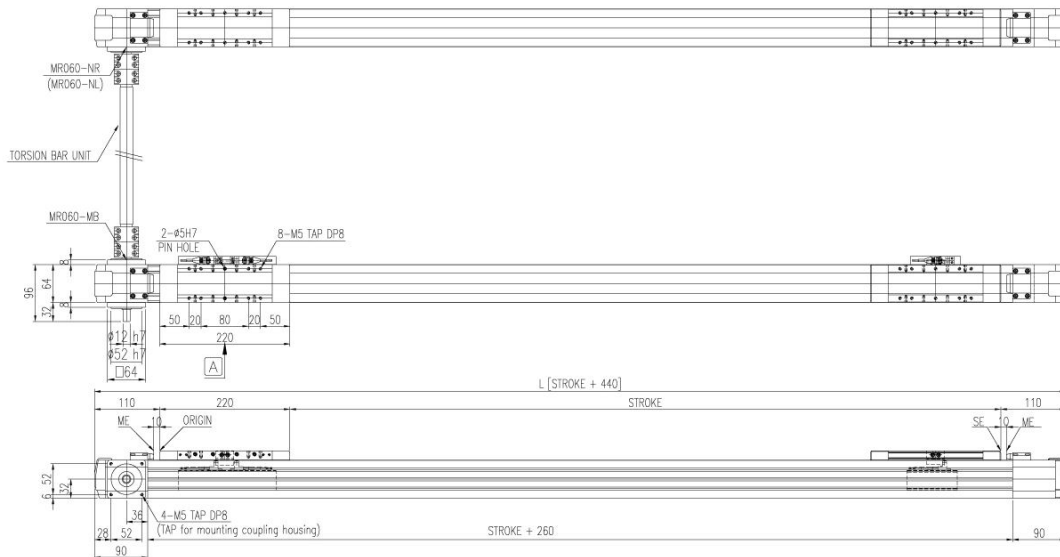
Values of () is in case of speed of 1000mm/sec. / H of Max. Load indicates Horizontal use and V of Max. Load indicates Vertical use.

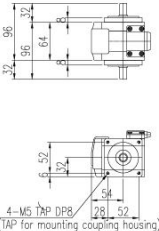
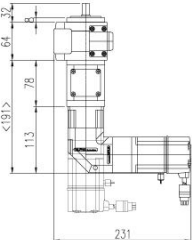
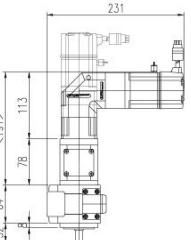
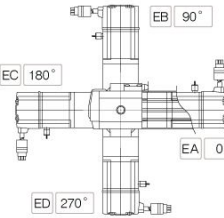
Specification	Unit	CMR060-ML/MR-2Q/4Q						Specification	Unit	Data					
CMR060-MR								Acceleration	G	0.3					
								Load	kg	5	15	25	40		
Note3 Allowable Overhang Distance - mm								Horizontal Use		0°	270	86	49	28	
										45°	270	86	49	29	
										90°	350	350	350	350	
								Note4 Wall Installation Use		0°	350	350	350	350	
										45°	250	76	41	21	
										90°	255	77	42	21	
								Note4 Vertical Use		0°	350	350	218	136	
										45°	350	207	124	77	
										90°	350	350	240	150	
								Estimated Condition		Max Speed : 2000 mm/s			Acceleration : 0.3 G (2.94/s²)		
										Life in traveled distance : 30000 km					

CMR060-MR

M 2 AXIS

* All dimensions in mm



CMR060-MB	CMR060-MR	CMR060-ML	REDUCER DIRECTION
Motor mounted right	Motor mounted left		
			

Model	Stroke	Units	300	500	900	1300	1700	2100	250	2900	3300	3700	Offset100	CAUTION
CMR060-2Q/4Q	kg		9.9	10.9	12.9	14.9	16.9	19.4	20.9	22.9	24.9	28.5	1.23	In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. -ME : Mechanical End -SE : Stroke End Dimensions of '<' '>' are subject to change by specifications of motor or gearbox(reducer). 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 In case of Vertical use or Wall installation use, please consult with us.
CMR060-2Q/4Q-R03	mm/s							2200						
CMR060-2Q/4Q-R04	mm/s							1600						
CMR060-2Q/4Q-R05	mm/s							1350						
CMR060-2Q/4Q-R06	mm/s							1100						
CMR060-2Q/4Q-R07	mm/s							950						
CMR060-2Q/4Q-R08	mm/s							800						

SPEC

ACM

ACR

ACT

ACC

CMR

Model

CMR050

CMR060

CMR080

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.

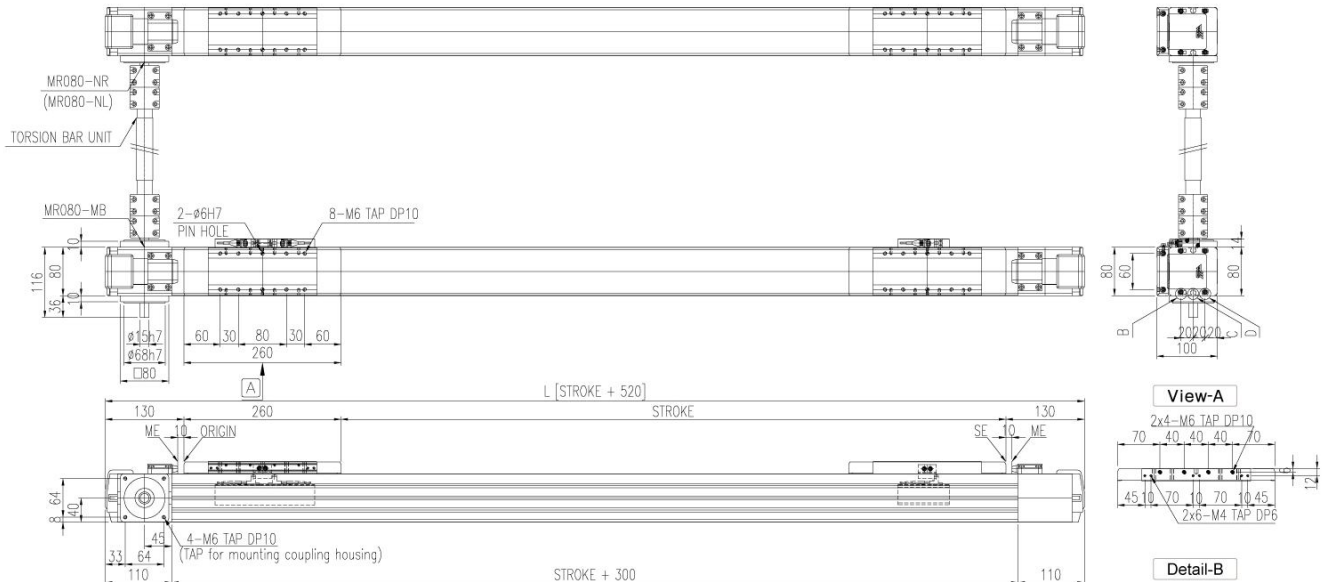
Specification	Unit	MR080-ML/MR-40/75						Specification	Unit	Data									
CMR080-MR								Acceleration		G		0.3							
								Load		kg		10 30 50 80							
Note3 Allowable Overhang Distance - mm								Horizontal Use		0°		450		145		83		48	
										45°		450		144		83		48	
										90°		500		500		500		500	
								Note4 Wall Installation Use		0°		500		500		500		500	
										45°		420		128		69		36	
										90°		430		131		71		37	
								Note4 Vertical Use		0°		500		365		220		138	
										45°		500		215		128		80	
										90°		500		425		253		159	
Note3								Estimated Condition	Max Speed : 2000 mm/s				Acceleration : 0.3 G (2.94/s²)						
									Life in traveled distance : 30000 km										
Rated Output		W		400W(750W), 3000 min ⁻¹															
Raducer		Note1 Ratio		3		4		5		6		8		10					
Max. Speed		Note2 mm/s		2500		2200		1750		1450		1100		850					
Max. Load		Note3 kg		5(14)		10(25)		18(45)		26(60)		45(80)		72(80)					
Stroke Range		mm		5000															
Repeatability		mm		± 0.1															
Drive Type		-		BELT															

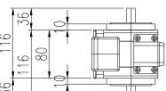
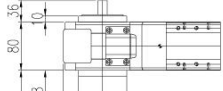
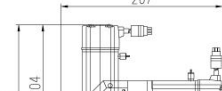
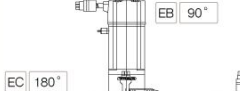
Rated Output	W	400W(750W), 3000 min ⁻¹					
Reducer	Note1 Ratio	3	4	5	6	8	10
Max. Speed	Note2 mm/s	2500	2200	1750	1450	1100	850
Max. Load	Note3 kg	5(14)	10(25)	18(45)	26(60)	45(80)	72(80)
Stroke Range	mm	5000					
Repeatability	mm	± 0.1					
Drive Type	-	BELT					

CMR080-MR

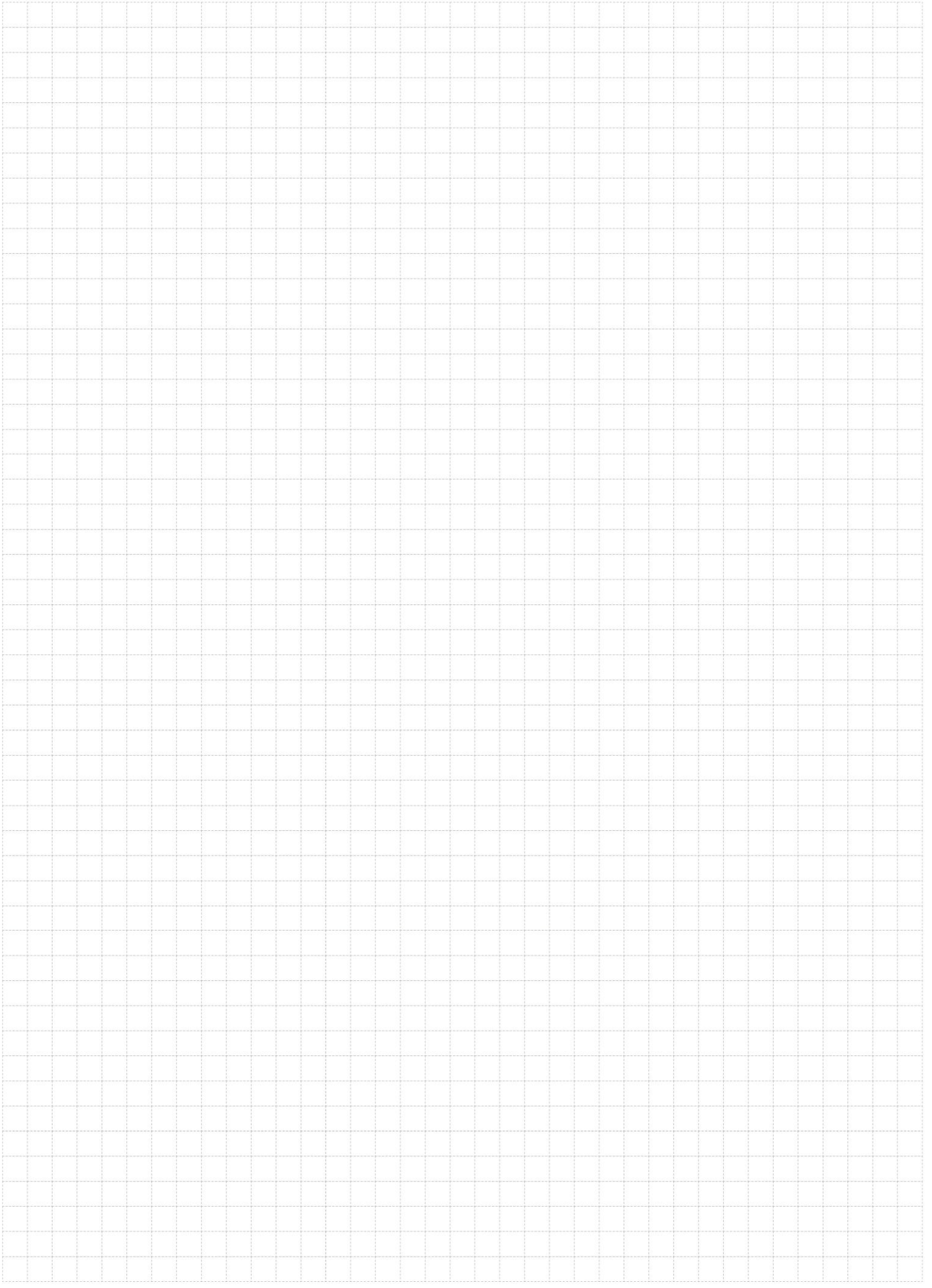
M 2 AXIS

* All dimensions in mm



CMR080-MB	CMR080-MR	CMR080-ML	REDUCER DIRECTION
Motor mounted right	Motor mounted right	Motor mounted left	
			
4-M6 TAP DP10 (TAP for mounting coupling housing)			

Model	Stroke	Units	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	Offset100	CAUTION
CMR080-40/75	kg		18.5	23	27.6	32.1	36.7	41.2	45.8	55.1	64.3	73.5	1.85	In case of reference position return, be cautious not to contact with peripheral units because slider transfers up to ME. -ME : Mechanical End -SE : Stroke End Dimensions of '< >' are subject to change by specifications of motor or gearbox(reducer).
CMR080-40/75-R03	mm/s						2500							NOTE1 In case of the short stroke, it may not be reached at maximum speed.
CMR080-40/75-R04	mm/s						2200							NOTE2 it is changed by operating conditions.
CMR080-40/75-R05	mm/s						1750							NOTE3 In case of use of products beyond allowable overhang value, it may result in malfunction of products.
CMR080-40/75-R06	mm/s						1450							NOTE4 In case of Vertical use or Wall installation use, please consult with us.
CMR080-40/75-R08	mm/s						1100							
CMR080-40/75-R10	mm/s						850							



SPEC

ACM
SERIES

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ACC
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CMR
SERIES