



D&I Solution
디앤아이 솔루션(주)

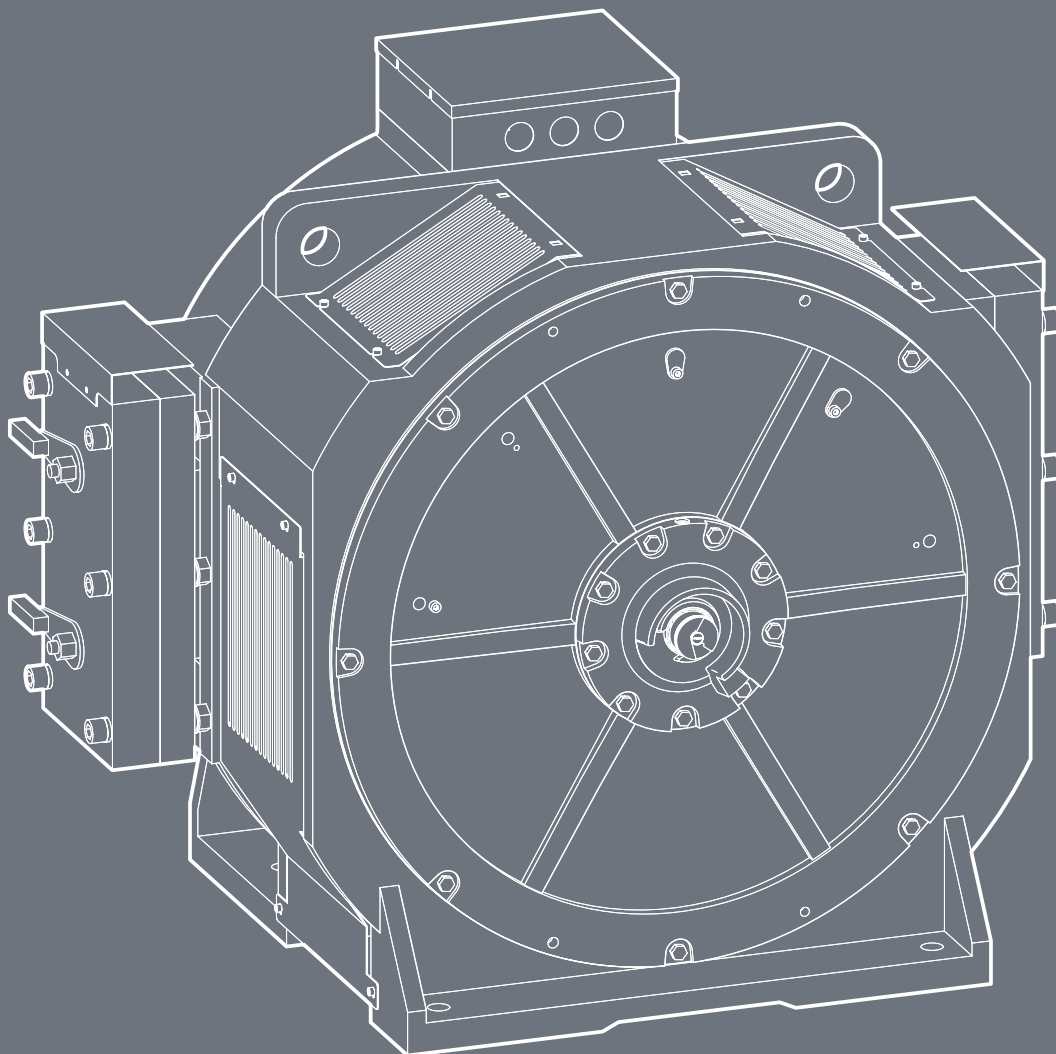
(10045) 경기도 김포시 양촌읍 대곶남로 616
616, Daegonnam-ro, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea
Tel_031-983-6243 Fax_031-983-2554 E-Mail_sales@idnd.com





D&I Solution
디앤아이 솔루션(주)

GEARLESS TRACTION MACHINE





D&I Solution
디앤아이 솔루션(주)

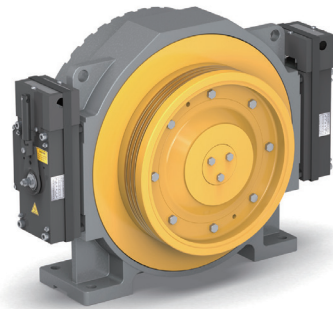
Advancing towards customer mind through challenge and development

도전과 개발을 통한 고객 마음으로의 전진



All for Elevators

엘리베이터부품전문기업 _ 디앤아이 솔루션



디앤아이 솔루션의 상호명은 Development와 Infinity의 줄임말로 “끊임없는 개발”을 뜻합니다.
엘리베이터 부품 전문 기업 디앤아이 솔루션은 회사 이름과 같이,
엘리베이터 부품의 끝없는 개발을 추구하는 기업입니다.
체계적인 품질 검수 과정, 축적된 데이터와 노하우 그리고 함께 성장해 나가는
직원들간의 무한한 신뢰를 통해 고객 여러분의 만족을 위해 최선을 다하도록 하겠습니다.

D&I solution

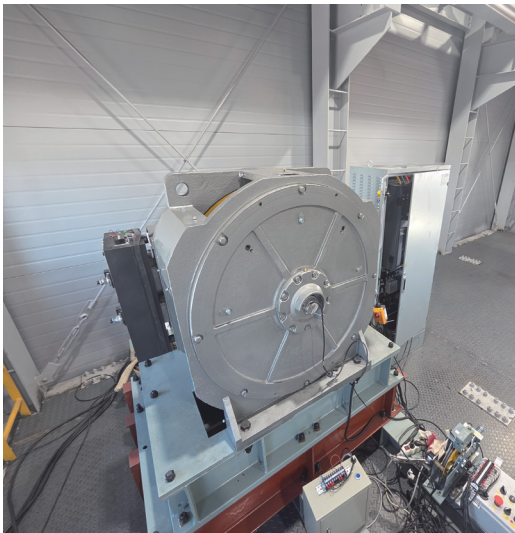
The company name of D&I Solution is an abbreviation of “Development and Infinity”, meaning “Continuous development”.

D&I Solution, as the name indicates, aim to pursue in elevator parts.

We will do our best for customer satisfaction through a systematic quality inspection process, utilizing accumulated data and know-how, and infinite trust among employees who grow together.

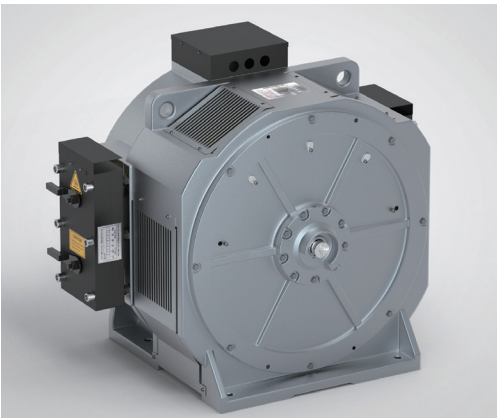
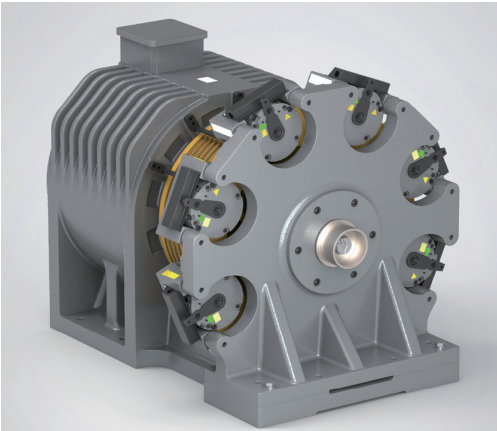
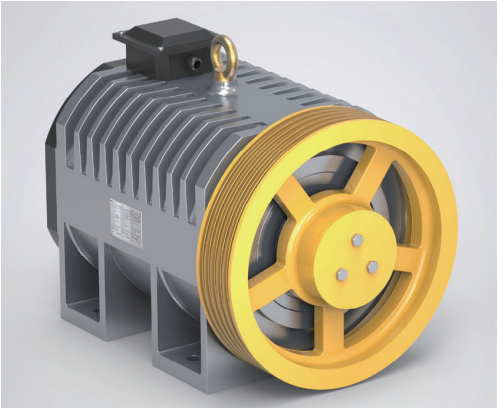
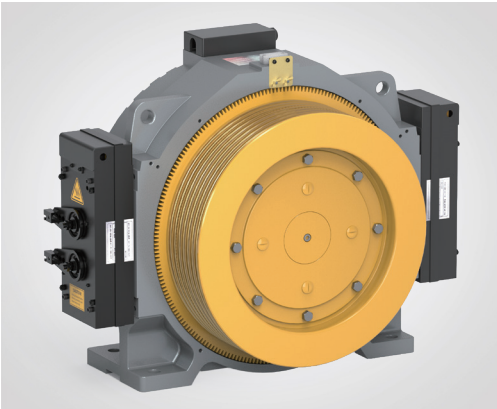
제품의 완성은 검증 한계를 시험하고, 신뢰로 입증합니다.

단 하나의 작은 오류도 허용치 않겠다는 집념으로 반복된 검증을 거칩니다.
우리의 철저한 노력만이 흔들림 없는 완벽한 신뢰로 고객께 보답합니다.



All of D&I Solution products are based on optimized design and field usage data.

디앤아이 솔루션의 모든 제품은 최적화된 설계와 현장 사용 데이터를 기반으로 설계되어 신뢰 할 수 있습니다.



New product 05

THIN Type Series

MCK200	_ø400	_ 1:1	.....	06
MCK200	_ø480	_ 1:1	.....	08
MCK200	_ø400	_ 2:1	.....	10
MCK300E	_ø480	_ 1:1	.....	12
MCK300E	_ø520	_ 1:1	.....	14
MCK300E	_ø480	_ 2:1	.....	16
MCK500	_ø480	_ 1:1	.....	18
MCK500	_ø480	_ 2:1	.....	20
MCK500X	_ø480	_ 1:1	.....	22
MCK500X	_ø520	_ 1:1	.....	24
MCK500X	_ø480	_ 2:1	.....	26
MCK520	_ø520	_ 1:1	.....	28
MCK520	_ø650	_ 1:1	.....	30
MCK520	_ø520	_ 2:1	.....	32
MDD410B	_ø410	_ 1:1	.....	34
MGK640	_ø560	_ 2:1	.....	36
MGK640	_ø640	_ 2:1	.....	38

PENCIL Type Series

MONA320	_ø240	_ 2:1	.....	40
MONA320	_ø320	_ 2:1	.....	42
MONA400	_ø400	_ 2:1		44
MONA450	_ø520	_ 1:1		46
MONA450	_ø520	_ 2:1		48

BELT Type Series

MGD100C	_ø100	_ 2:1		50
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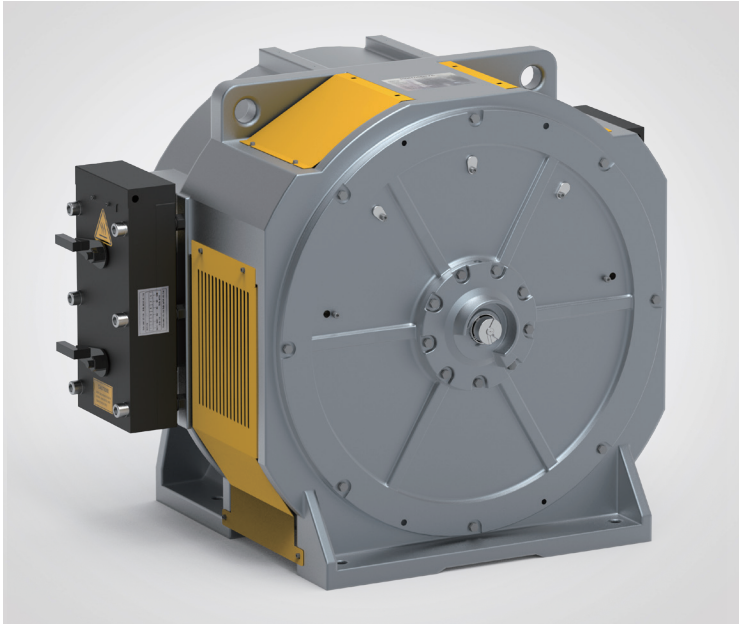
OIL BUFFER

Oil BUFFER		52
PU BUFFER		53

ROPING GRAPH

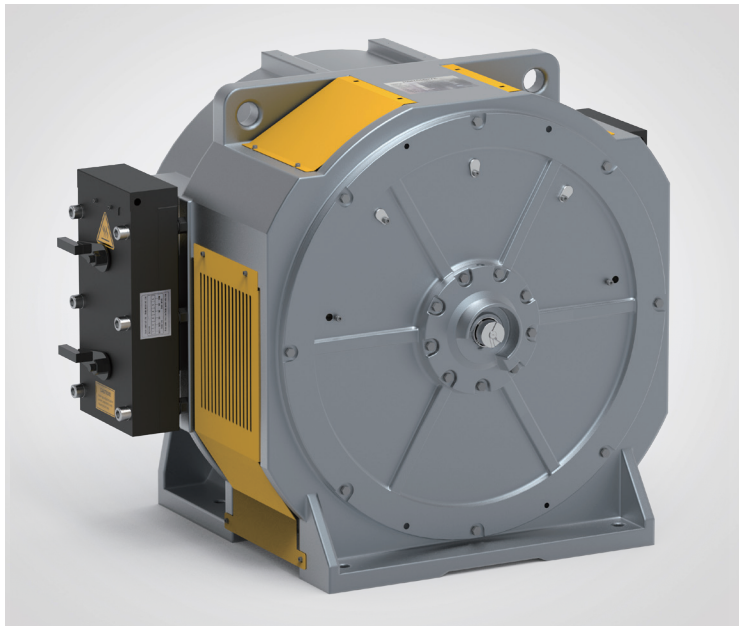
1:1 ROPING GRAPH		54
2:1 ROPING GRAPH		54

MGK640 ϕ 560



Traction Ratio		2:1
Load Capacity		2,500~5,000kg
Speed		0.5~2.0m/s
Max Axle Load		18,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		3.3A x 2
Sheave Dia		ϕ 560
Rope		ϕ 14 [p22]
		ϕ 12 [p19]
Poles		48P
Weight		1,800kg

MGK640 ϕ 640



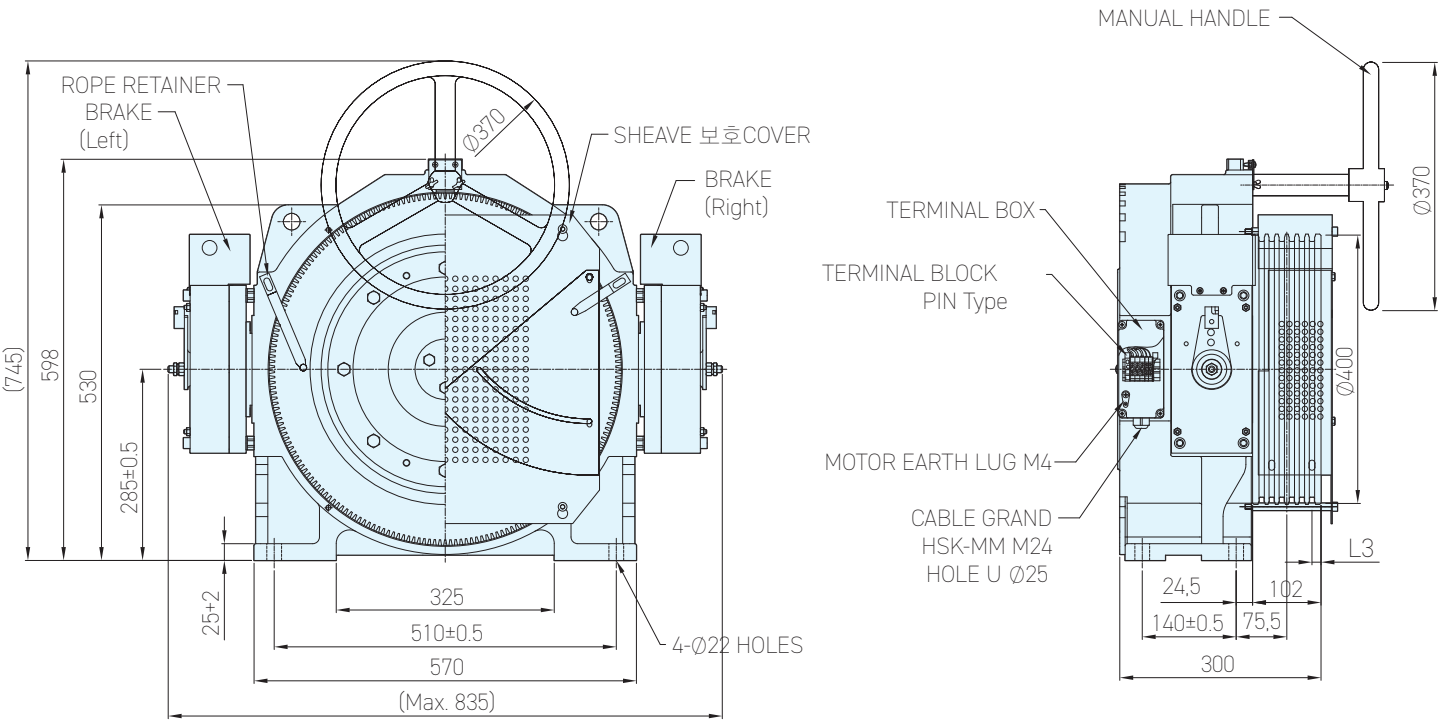
Traction Ratio		2:1
Load Capacity		2,500~5,000kg
Speed		0.5~2.0m/s
Max Axle Load		18,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		3.3A x 2
Sheave Dia		ϕ 640
Rope		ϕ 16 [p25]
Poles		48P
Weight		1,800kg

MCK200 $\phi 400$

MCK 1:1 Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		1:1
Load Capacity		320~630kg
Speed		0.5~2.0m/s
Max Axle Load		4,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		1.3A x 2
Sheave Dia		$\phi 400$
Rope		$\phi 10$ [p15]
Poles		32P
Weight		350kg

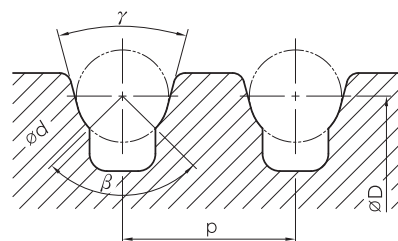


Groove 변화치수표 (mm)			
SH. Dia.	ϕd	본수	L3
$\phi 400$	$\phi 10$	4	28.5
$\phi 400$	$\phi 10$	5	21
$\phi 400$	$\phi 10$	6	13.5

MCK200 ϕ 400

MCK 1:1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
320~630kg	400	10	15	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
1:1	320	0.5	1.1	7	24	6.4	380	410	32	400	$\phi 10 \times 4-6$ [p15]
		0.75	1.5	7	36	9.6					
		1.0	2.1	7	48	12.8					
		1.5	3.1	10	72	19.2					
		1.75	3.6	10	84	22.4					
		2.0	4.1	10	95	25.3					
	450	0.5	1.4	9	24	6.4	380	570	32	400	$\phi 10 \times 4-6$ [p15]
		0.75	2.1	9	36	9.6					
		1.0	2.9	9	48	12.8					
		1.5	4.3	12	72	19.2					
		1.75	5.0	12	84	22.4					
		2.0	5.7	14	95	25.3					
	550	0.5	1.75	8	24	6.4	380	700	32	400	$\phi 10 \times 4-6$ [p15]
		0.75	2.6	10	36	9.6					
		1.0	3.5	10	48	12.8					
		1.5	5.3	15	72	19.2					
		1.75	6.2	15	84	22.4					
		2.0	7.0	16	95	25.3					
	630	0.5	2.0	9	24	6.4	380	800	32	400	$\phi 10 \times 4-6$ [p15]
		0.75	3.0	11	36	9.6					
		1.0	4.0	11	48	12.8					
		1.5	6.0	17	72	19.2					
		1.75	7.0	17	84	22.4					
		2.0	8.0	19	95	25.3					

* 주) 제품의 성능향상을 위해 예고 없이 사양이 변경될 수 있습니다. Specification can be changed without prior notice for product improvement.

* 적재하중별 로프 안전율, 권상 능력을 고려한 홈 각도와 로프 줄 수를 선정해 주세요, 발주 시 별도의 홈 각도 지정이 없는 경우, 당사 보유 조건을 기준 출고 진행됩니다.

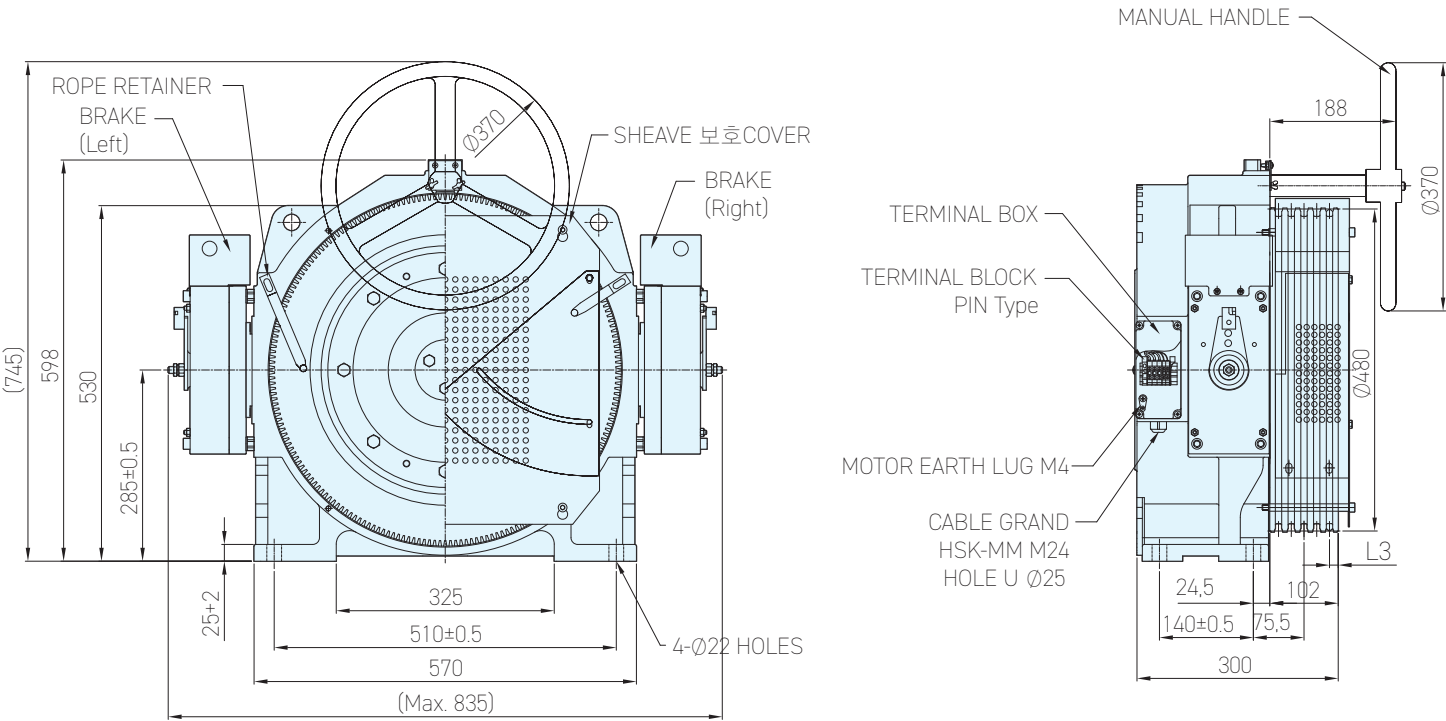
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MCK200 $\phi 480$

MCK 1:1 Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		1:1
Load Capacity		320~550kg
Speed		0.5~2.0m/s
Max Axle Load		4,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		1.3A x 2
Sheave Dia		$\phi 480$
Rope		$\phi 12$ [p19]
Poles		32P
Weight		350kg

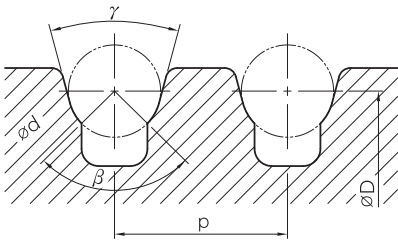


Groove 변화치수표 (mm)			
SH. Dia.	ϕd	본수	L3
$\phi 480$	$\phi 12$	3	32
$\phi 480$	$\phi 12$	4	22.5
$\phi 480$	$\phi 12$	5	13

MCK200 ϕ 480

MCK 1:1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
320~550kg	480	12	19	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
1:1	320	0.5	1.1	7	20	5.3	380	490	32	480	$\phi 12 \times 3 \sim 5$ [p19]
		0.75	1.5	7	30	8.0					
		1.0	2.1	7	40	10.7					
		1.5	3.1	8	60	16.0					
		1.75	3.6	11	70	18.7					
		2.0	4.1	11	80	21.3					
	450	0.5	1.4	9	20	5.3	380	690	32	480	$\phi 12 \times 3 \sim 5$ [p19]
		0.75	2.2	9	30	8.0					
		1.0	2.9	9	40	10.7					
		1.5	4.3	11	60	16.0					
		1.75	5.1	15	70	18.7					
		2.0	5.8	15	80	21.3					
	550	0.5	1.7	10	20	5.3	380	820	32	480	$\phi 12 \times 3 \sim 5$ [p19]
		0.75	2.6	10	30	8.0					
		1.0	3.4	11.5	40	10.7					
		1.5	5.2	14	60	16.0					
		1.75	6.0	15	70	18.7					
		2.0	6.9	17	80	21.3					

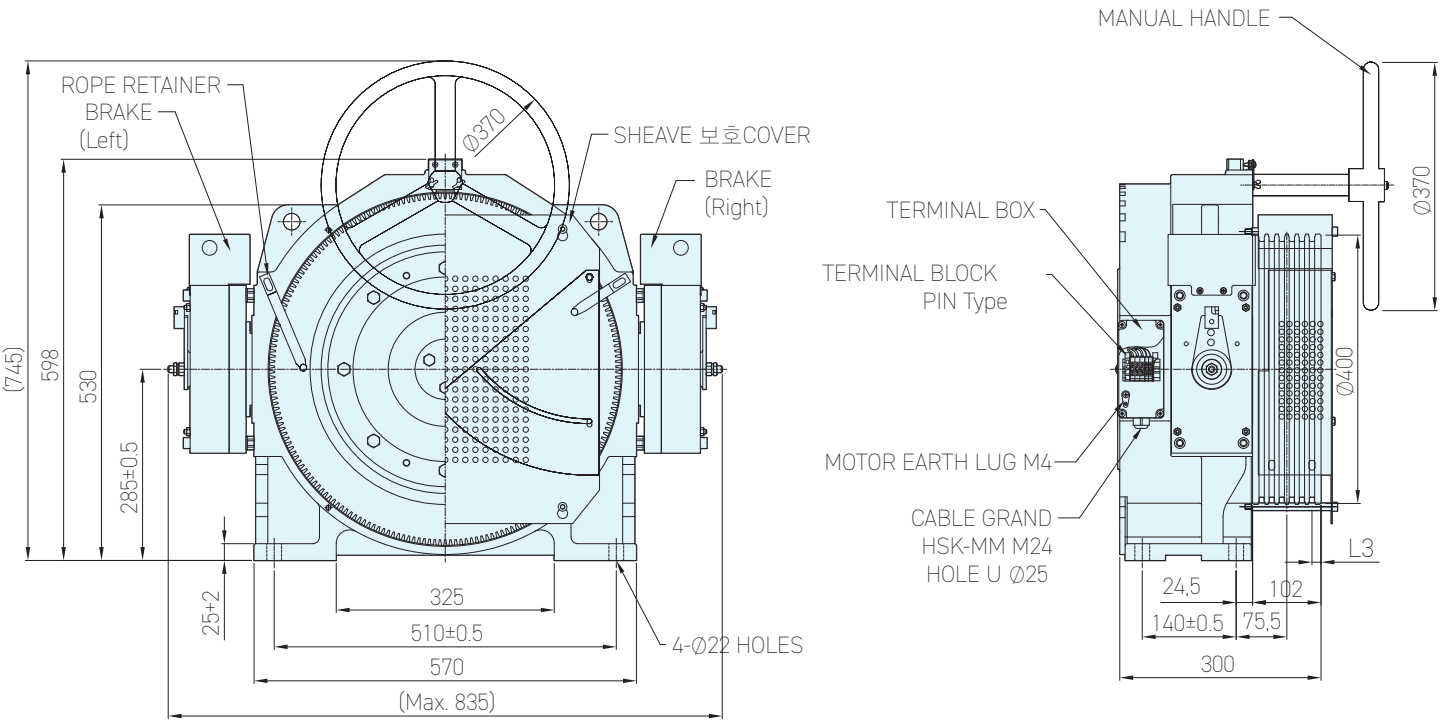
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Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MCK200 ϕ 400

MCK 2 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		2:1
Load Capacity		450~1,275kg
Speed		0.5~2.5m/s
Max Axle Load		4,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		1.3A x 2
Sheave Dia		ϕ 400
Rope		ϕ 10 [p15]
Poles		32P
Weight		350kg

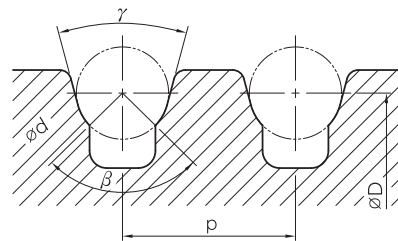


Groove 변화치수표 (mm)			
SH. Dia.	ϕ d	본수	L3
ϕ 400	ϕ 10	3	36
ϕ 400	ϕ 10	4	28.5
ϕ 400	ϕ 10	5	21
ϕ 400	ϕ 10	6	13.5

MCK200 ϕ 400

MCK 2 :1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
450~1,275kg	400	10	15	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
2:1	450	0.5	1.6	5	48	12.8	380	290	32	400	$\phi 10 \times 3-6$ [p15]
		0.75	2.2	7	72	19.2					
		1.0	2.9	7	95	25.3					
		1.5	4.3	10	143	38.1					
		1.75	5.1	12	167	44.5					
		2.0	5.8	14	191	50.9					
	550	0.5	1.8	6	48	12.8	380	350	32	400	$\phi 10 \times 3-6$ [p15]
		0.75	2.6	9	72	19.2					
		1.0	3.5	9	95	25.3					
		1.5	5.2	13	143	38.1					
		1.75	6.1	15	167	44.5					
		2.0	7.0	17	191	50.9					
	630	0.5	2.0	6	48	12.8	380	400	32	400	$\phi 10 \times 3-6$ [p15]
		0.75	3.0	10	72	19.2					
		1.0	4.0	10	95	25.3					
		1.5	6.0	14	143	38.1					
		1.75	7.0	16	167	44.5					
		2.0	8.0	18	191	50.9					
	800	0.5	2.6	8	48	12.8	380	510	32	400	$\phi 10 \times 3-6$ [p15]
		0.75	3.8	12	72	19.2					
		1.0	5.1	12	95	25.3					
		1.5	7.6	18	143	38.1					
		1.75	8.9	20	167	44.5					
		2.0	10.2	23	191	50.9					
	1,000	0.5	3.2	10	48	12.8	380	640	32	400	$\phi 10 \times 3-6$ [p15]
		0.75	4.8	15	72	19.2					
		1.0	6.4	15	95	25.3					
		1.5	9.6	23	143	38.1					
		1.75	11.2	26	167	44.5					
		2.0	12.8	28	191	50.9					
	1,150	0.5	3.7	11	48	12.8	380	730	32	400	$\phi 10 \times 3-6$ [p15]
		0.75	5.5	17	72	19.2					
		1.0	7.3	17	95	25.3					
		1.5	10.9	27	143	38.1					
		1.75	12.8	29	167	44.5					
		2.0	14.6	33	191	50.9					
	1,275	0.5	4.0	12	48	12.8	380	800	32	400	$\phi 10 \times 3-6$ [p15]
		0.75	6.0	18	72	19.2					
		1.0	8.0	18	95	25.3					
		1.5	12.0	29	143	38.1					
		1.75	14.0	31	167	44.5					
		2.0	16.0	35	191	50.9					
		2.5	20.0	46	239	63.7					

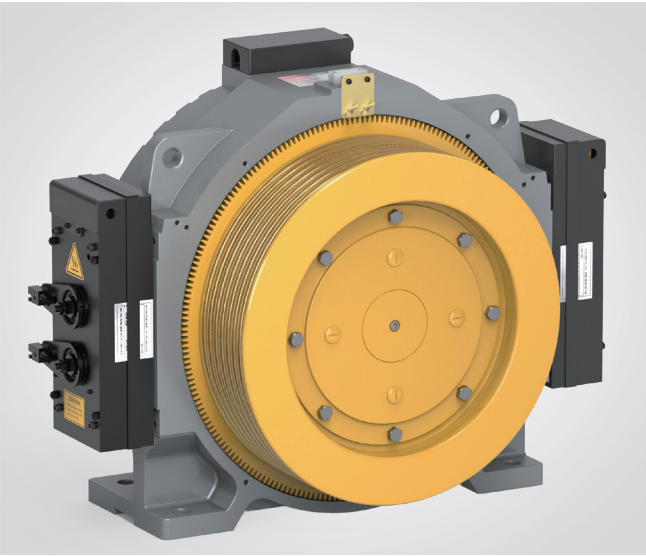
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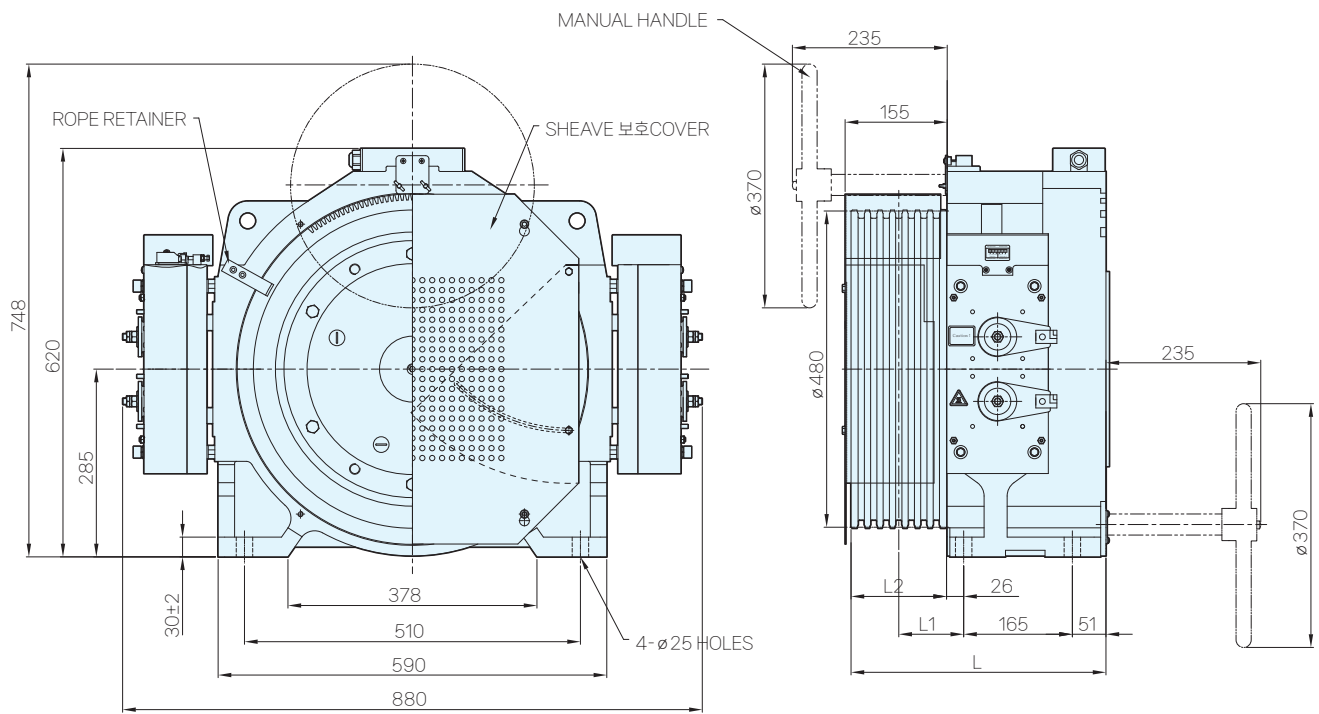
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MCK300E $\phi 480$

MCK 1 :1 Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		1:1
Load Capacity		550~830kg
Speed		0.5~2.0m/s
Max Axle Load		5,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		2.6Ax2
Sheave Dia		$\phi 480$
Rope		$\phi 12$ [p19]
Poles		32P
Weight		510kg

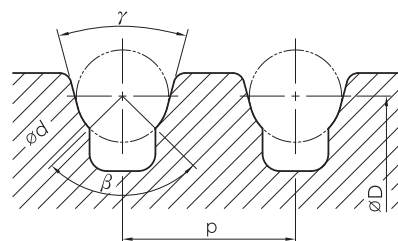


Groove 변화치수표 (mm)					
SH. Dia.	ϕd	본수	L	L1	L2
$\phi 480$	12	4본	372	91	130
$\phi 480$	12	5본	372	91	130
$\phi 480$	12	6본	372	91	130
$\phi 480$	12	7본	387	98.5	145

MCK300E ϕ 480

MCK 1 :1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
550~830kg	480	12	19	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
1:1	550	0.5	1.8	7	20	5.3	380	840	32	480	$\phi 12 \times 4-7$ [p19]
		0.75	2.6	11	30	8.0					
		1.0	3.5	11	40	10.7					
		1.5	5.3	15	60	16.0					
		1.75	6.2	18	70	18.7					
		2.0	7.0	18	80	21.3					
	630	0.5	1.9	7	20	5.3	380	920	32	480	$\phi 12 \times 4-7$ [p19]
		0.75	2.9	11	30	8.0					
		1.0	3.9	11	40	10.7					
		1.5	5.8	16	60	16.0					
		1.75	6.7	20	70	18.7					
		2.0	7.7	20	80	21.3					
	750	0.5	2.4	8	20	5.3	380	1,150	32	480	$\phi 12 \times 4-7$ [p19]
		0.75	3.6	14	30	8.0					
		1.0	4.8	14	40	10.7					
		1.5	7.2	19	60	16.0					
		1.75	8.4	23	70	18.7					
		2.0	9.6	23	80	21.3					
	830	0.5	2.7	9	20	5.3	380	1,290	32	480	$\phi 12 \times 4-7$ [p19]
		0.75	4.1	15	30	8.0					
		1.0	5.4	15	40	10.7					
		1.5	8.1	24	60	16.0					
		1.75	9.5	24	70	18.7					
		2.0	10.8	24	80	21.3					

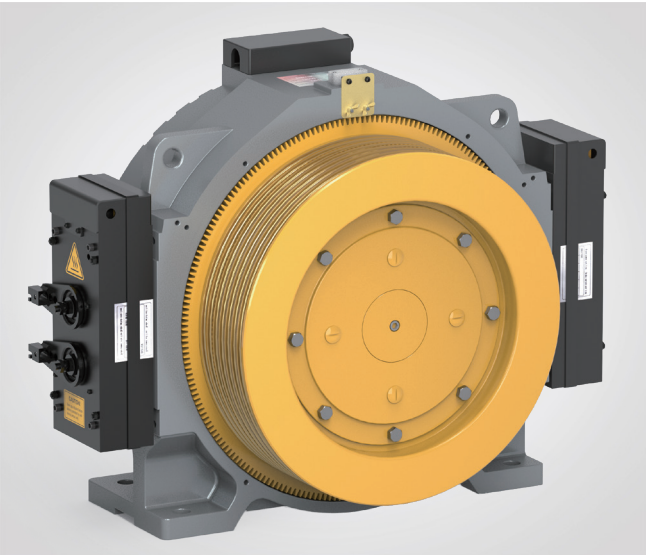
* 주) 제품의 성능향상을 위해 예고 없이 사양이 변경될 수 있습니다. Specification can be changed without prior notice for product improvement.

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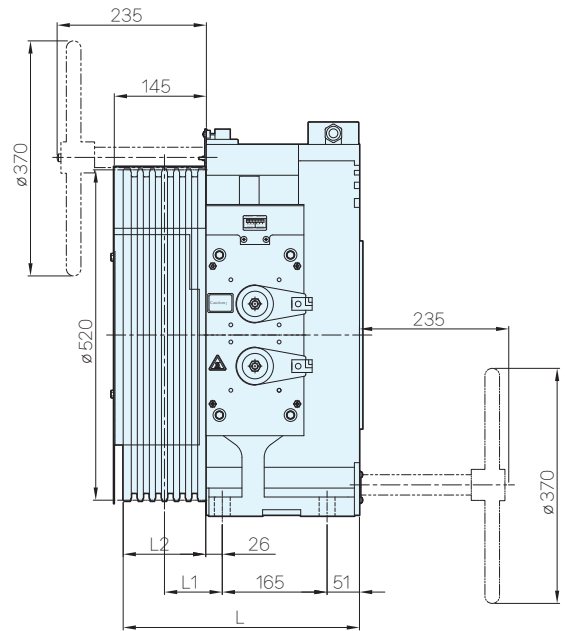
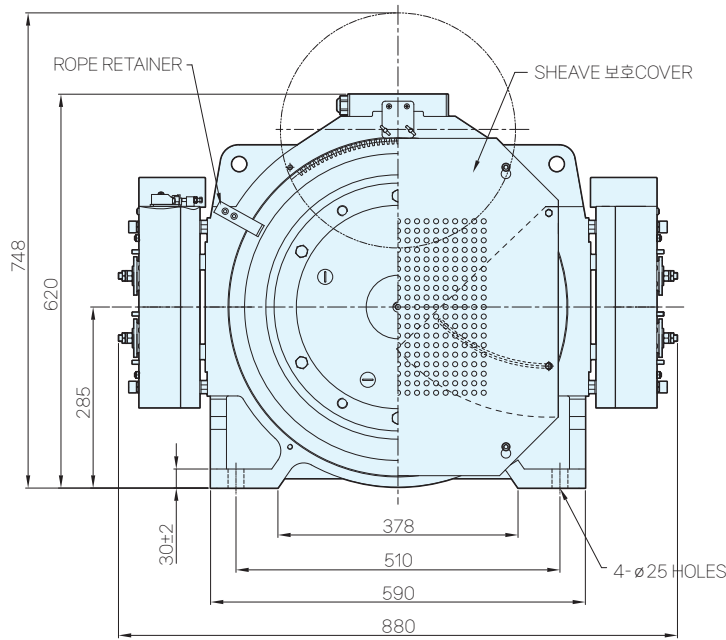
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MCK300E $\phi 520$

MCK 1 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		1:1
Load Capacity		550~750kg
Speed		0.5~2.0m/s
Max Axle Load		5,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		2.6Ax2
Sheave Dia		$\phi 520$
Rope		$\phi 12$ [p19]
Poles		32P
Weight		510kg

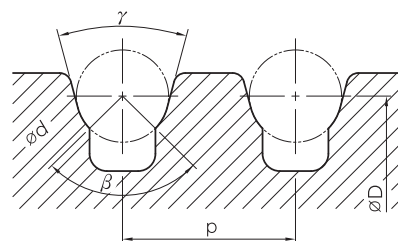


Groove 변화치수표 (mm)					
SH. Dia.	ϕd	본수	L	L1	L2
$\phi 520$	12	4본	372	91	130
$\phi 520$	12	5본	372	91	130
$\phi 520$	12	6본	372	91	130

MCK300E ϕ 520

MCK 1 :1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
550~750kg	520	12	19	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
1:1	550	0.5	1.7	7	18	4.8	380	910	32	520	$\phi 12 \times 4-6$ [p19]
		0.75	2.7	11	28	7.5					
		1.0	3.5	11	37	9.9					
		1.5	5.2	15	55	14.7					
		1.75	6.1	20	64	17.1					
		2.0	7.0	20	73	19.5					
	630	0.5	2.0	8	18	4.8	380	1,040	32	520	$\phi 12 \times 4-6$ [p19]
		0.75	3.0	13	28	7.5					
		1.0	4.0	13	37	9.9					
		1.5	6.0	16	55	14.7					
		1.75	7.0	23	64	17.1					
		2.0	7.9	23	73	19.5					
	750	0.5	2.3	9	18	4.8	380	1,240	32	520	$\phi 12 \times 4-6$ [p19]
		0.75	3.6	17	28	7.5					
		1.0	4.8	17	37	9.9					
		1.5	7.1	18	55	14.7					
		1.75	8.3	24	64	17.1					
		2.0	9.5	24	73	19.5					

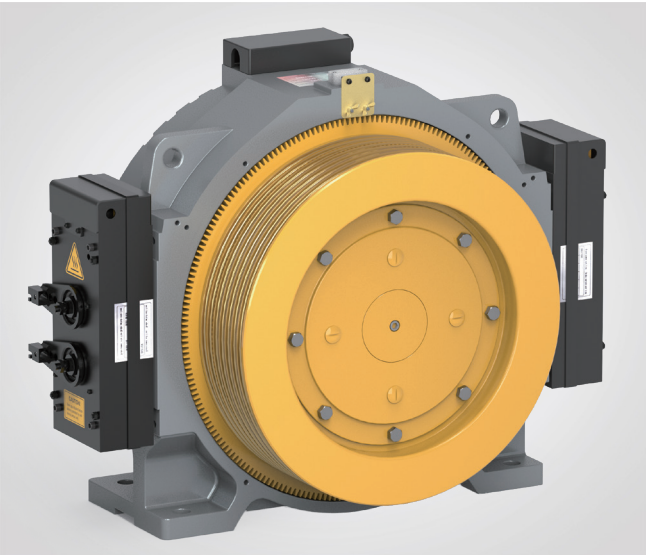
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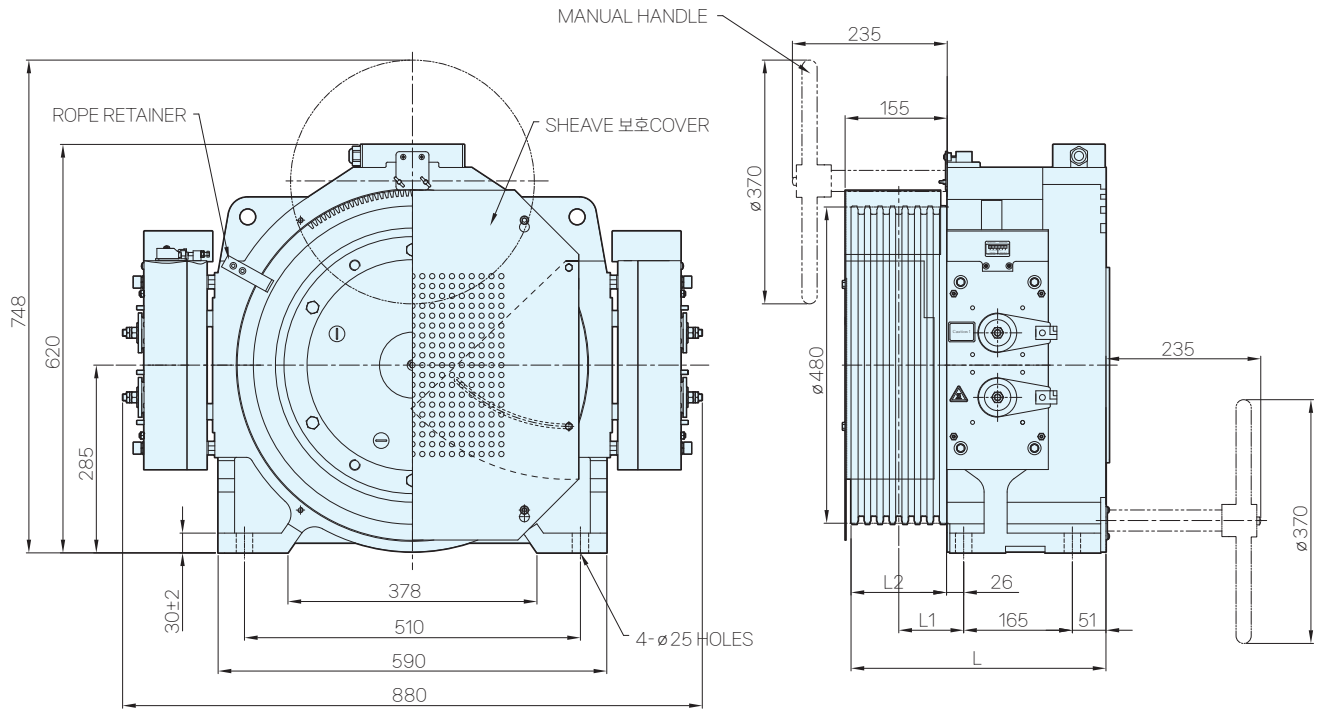
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MCK300E $\phi 480$

MCK 2 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		2:1
Load Capacity		1,150~1,660kg
Speed		0.5~1.0m/s
Max Axle Load		5,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		2.6Ax2
Sheave Dia		$\phi 480$
Rope		$\phi 12$ [p19]
Poles		32P
Weight		510kg

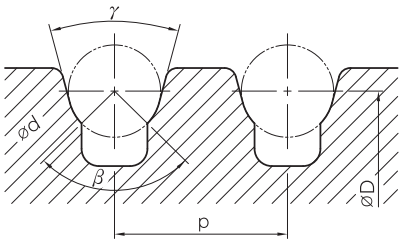


Groove 변화치수표 (mm)					
SH. Dia.	ϕd	본수	L	L1	L2
$\phi 480$	12	4본	372	91	130
$\phi 480$	12	5본	372	91	130
$\phi 480$	12	6본	372	91	130
$\phi 480$	12	7본	387	98.5	145

MCK300E ϕ 480

MCK 2 :1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
1,150~1,660kg	480	12	19	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
2:1	1,150	0.5	3.7	12	40	10.7	380	880	32	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	5.5	15	60	16.0					
		1.0	7.4	18	80	21.3					
	1,275	0.5	4.1	13	40	10.7	380	970	32	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	6.1	16	60	16.0					
		1.0	8.1	22	80	21.3					
	1,500	0.5	4.8	15	40	10.7	380	1,150	32	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	7.2	19	60	16.0					
		1.0	9.6	23	80	21.3					
	1,660	0.5	5.4	19	40	10.7	380	1,290	32	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	8.1	24	60	16.0					
		1.0	10.8	24	80	21.3					

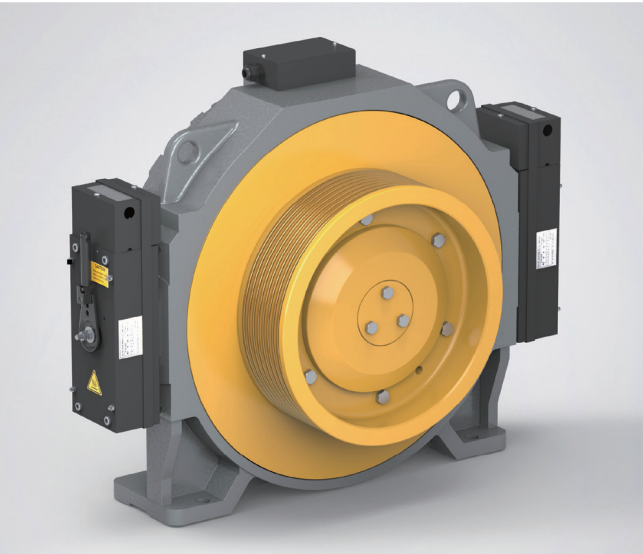
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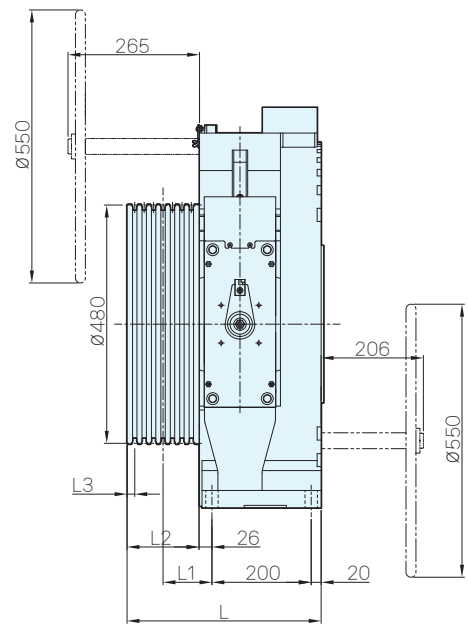
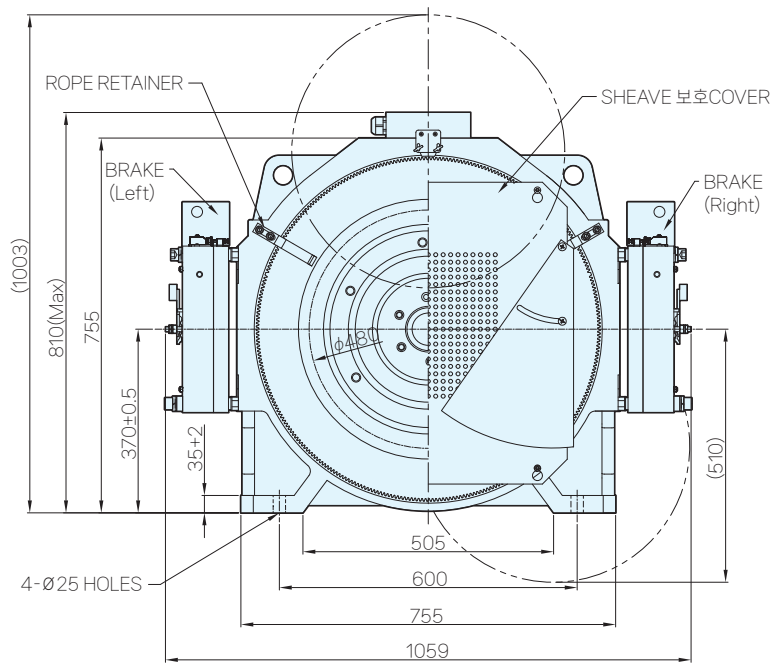
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MCK500 $\phi 480$

MCK 1:1 Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		1:1
Load Capacity		450~1,000kg
Speed		0.5~2.0m/s
Max Axle Load		10,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		1.4A x 2
Sheave Dia		$\phi 480$
Rope		$\phi 12$ [p19]
Poles		48P
Weight		765kg

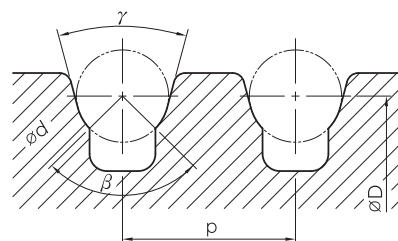


Groove 변화치수표 (mm)						
SH. Dia.	ϕd	본수	L	L1	L2	L3
$\phi 480$	12	4본	376	91	130	36.5
$\phi 480$	12	5본	376	91	130	27
$\phi 480$	12	6본	376	91	130	17.5
$\phi 480$	12	7본	391	98.5	145	15.5

MCK500 ϕ 480

MCK 1:1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
450~1,000kg	480	12	19	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
1:1	450	0.5	1.5	9	20	8.0	380	690	48	480	$\phi 12 \times 4-7$ [p19]
		0.75	2.2	10	30	12.0					
		1.0	2.9	10	40	16.0					
		1.5	4.3	12	60	24.0					
		1.75	5.1	12	70	28.0					
		2.0	5.8	14	80	32.0					
	630	0.5	2.0	13	20	8.0	380	960	48	480	$\phi 12 \times 4-7$ [p19]
		0.75	3.0	14	30	12.0					
		1.0	4.0	14	40	16.0					
		1.5	6.0	17	60	24.0					
		1.75	7.0	17	70	28.0					
		2.0	8.0	20	80	32.0					
	800	0.5	2.6	15	20	8.0	380	1,250	48	480	$\phi 12 \times 4-7$ [p19]
		0.75	3.9	15	30	12.0					
		1.0	5.2	15	40	16.0					
		1.5	7.9	20	60	24.0					
		1.75	9.2	20	70	28.0					
		2.0	10.5	25	80	32.0					
	1,000	0.5	3.3	17	20	8.0	380	1,560	48	480	$\phi 12 \times 4-7$ [p19]
		0.75	4.9	17	30	12.0					
		1.0	6.5	17	40	16.0					
		1.5	9.8	24	60	24.0					
		1.75	11.4	28	70	28.0					
		2.0	13.1	30	80	32.0					

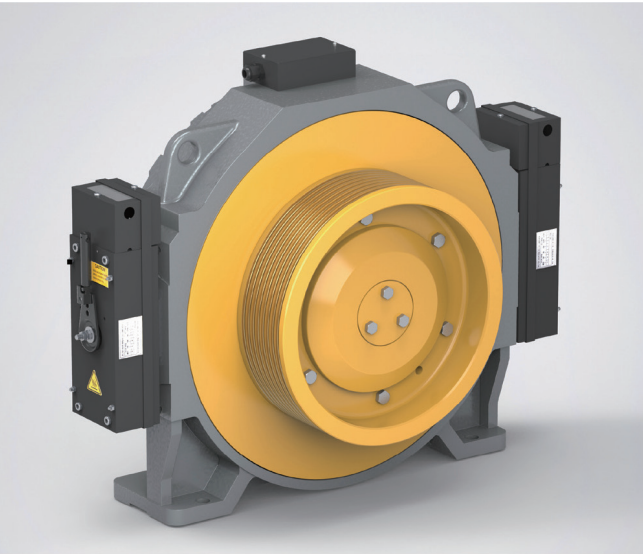
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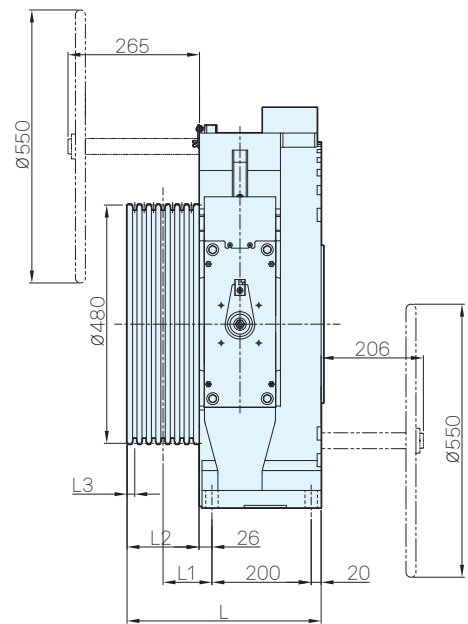
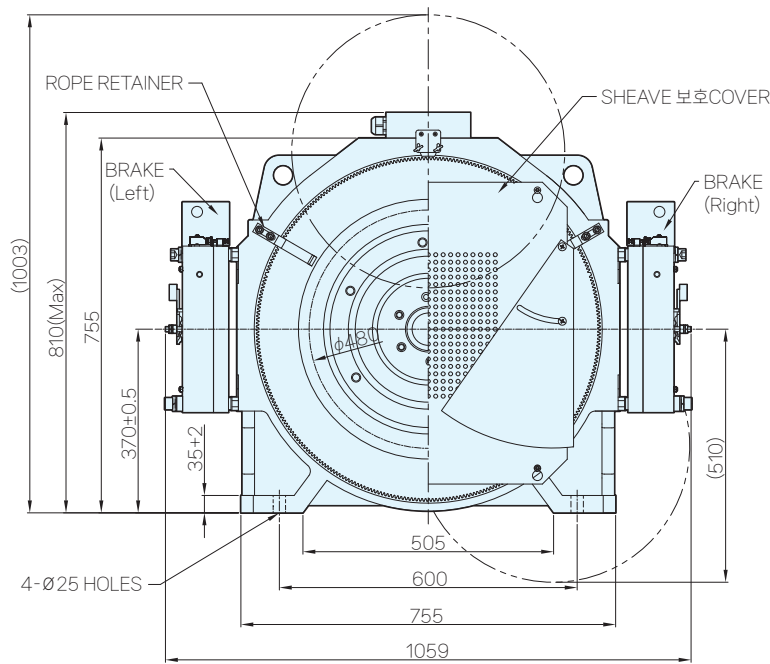
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MCK500 $\phi 480$

MCK 2 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		2:1
Load Capacity		1,000~2,000kg
Speed		0.5~2.5m/s
Max Axle Load		10,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		1.4A x 2
Sheave Dia		$\phi 480$
Rope		$\phi 12$ [p19]
Poles		48P
Weight		765kg

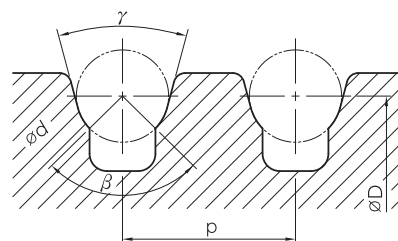


Groove 변화치수표 (mm)						
SH. Dia.	ϕd	본수	L	L1	L2	L3
$\phi 480$	12	4본	376	91	130	36.5
$\phi 480$	12	5본	376	91	130	27
$\phi 480$	12	6본	376	91	130	17.5
$\phi 480$	12	7본	391	98.5	145	15.5

MCK500 ϕ 480

MCK 2 :1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
1,000~2,000kg	480	12	19	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
2:1	1,000	0.5	3.4	10	40	16.0	380	800	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	5.0	16	60	24.0					
		1.0	6.7	16	80	32.0					
		1.5	10.0	26	119	47.6					
		1.75	11.6	26	139	55.6					
		2.0	13.3	31	159	63.6					
		2.5	16.7	39	199	79.6					
	1,150	0.5	3.7	12	40	16.0	380	880	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	5.5	19	60	24.0					
		1.0	7.4	19	80	32.0					
		1.5	11.0	30	119	47.6					
		1.75	12.8	30	139	55.6					
		2.0	14.7	37	159	63.6					
		2.5	18.3	43	199	79.6					
	1,275	0.5	4.1	13	40	16.0	380	970	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	6.1	21	60	24.0					
		1.0	8.1	21	80	32.0					
		1.5	12.1	33	119	47.6					
		1.75	14.1	33	139	55.6					
		2.0	16.1	41	159	63.6					
		2.5	20.2	48	199	79.6					
	1,350	0.5	4.3	14	40	16.0	380	1,030	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	6.5	22	60	24.0					
		1.0	8.6	22	80	32.0					
		1.5	12.8	34	119	47.6					
		1.75	15.0	34	139	55.6					
		2.0	17.1	40	159	63.6					
		2.5	21.5	51	199	79.6					
	1,600	0.5	5.2	16	40	16.0	380	1,250	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	7.9	24	60	24.0					
		1.0	10.5	24	80	32.0					
		1.5	15.6	40	119	47.6					
		1.75	18.2	40	139	55.6					
		2.0	20.8	49	159	63.6					
		2.5	26.0	60	199	79.6					
	1,800	0.5	5.9	17	40	16.0	380	1,400	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	8.8	27	60	24.0					
		1.0	11.7	27	80	32.0					
		1.5	17.4	45	119	47.6					
		1.75	20.4	45	139	55.6					
		2.0	23.3	59	159	63.6					
		2.5	29.2	68	199	79.6					
	2,000	0.5	6.5	17	40	16.0	380	1,560	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	9.8	30	60	24.0					
		1.0	13.1	30	80	32.0					
		1.5	19.4	50	119	47.6					
		1.75	22.7	50	139	55.6					
		2.0	26.0	61	159	63.6					
		2.5	32.5	75	199	79.6					

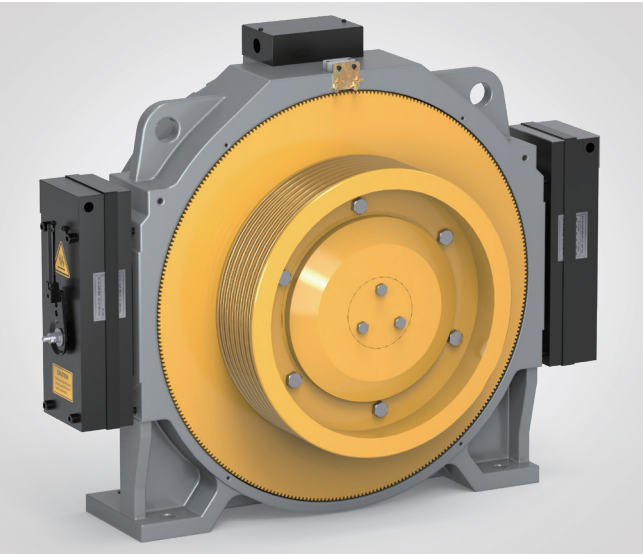
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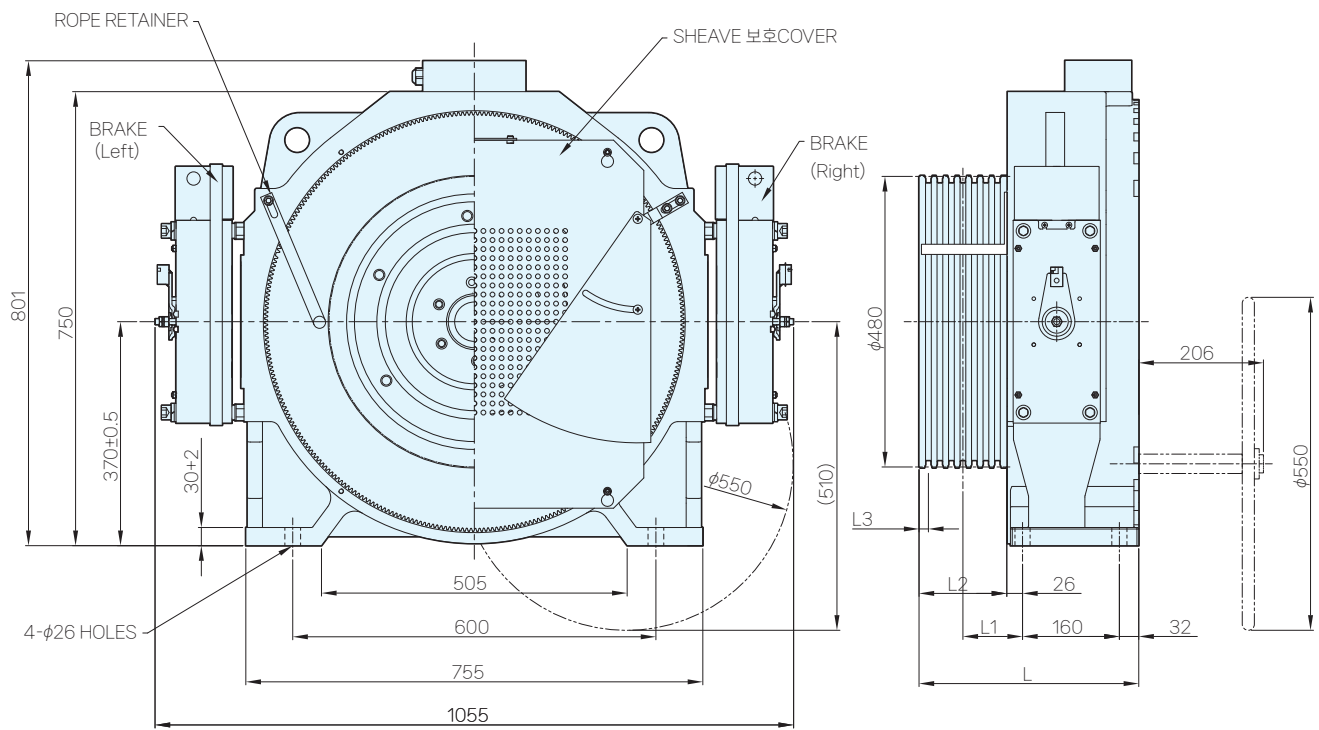
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MCK500X $\phi 480$

MCK 1:1 Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		1:1
Load Capacity		450~1,150kg
Speed		0.5~2.0m/s
Max Axle Load		15,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		2.4A x 2
Sheave Dia		$\phi 480$
Rope		$\phi 12$ [p19]
Poles		48P
Weight		765kg

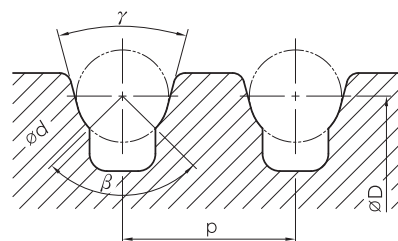


Groove 변화치수표 (mm)						
SH. Dia.	ϕd	본수	L	L1	L2	L3
$\phi 480$	12	4본	348	91	130	36.5
$\phi 480$	12	5본	348	91	130	27
$\phi 480$	12	6본	348	91	130	17.5
$\phi 480$	12	7본	363	98.5	145	15.5

MCK500X ϕ 480

MCK 1:1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
450~1,150kg	480	12	19	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
1:1	450	0.5	1.5	9	20	8.0	380	690	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	2.2	9	30	12.0					
		1.0	2.9	9	40	16.0					
		1.5	4.3	13	60	24.0					
		1.75	5.1	13	70	28.0					
		2.0	5.8	13	80	32.0					
	630	0.5	2.0	10	20	8.0	380	960	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	3.0	10	30	12.0					
		1.0	4.0	10	40	16.0					
		1.5	6.0	17	60	24.0					
		1.75	7.0	17	70	28.0					
		2.0	8.0	17	80	32.0					
	800	0.5	2.6	11	20	8.0	380	1,250	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	3.9	11	30	12.0					
		1.0	5.2	13	40	16.0					
		1.5	7.9	23	60	24.0					
		1.75	9.2	23	70	28.0					
		2.0	10.5	23	80	32.0					
	1,000	0.5	3.3	13	20	8.0	380	1,560	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	4.9	13	30	12.0					
		1.0	6.5	17	40	16.0					
		1.5	9.8	29	60	24.0					
		1.75	11.4	29	70	28.0					
		2.0	13.1	29	80	32.0					
	1,150	0.5	3.7	15	20	8.0	380	1,790	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	5.6	15	30	12.0					
		1.0	7.5	23	40	16.0					
		1.5	11.2	30	60	24.0					
		1.75	13.1	30	70	28.0					
		2.0	15.0	34	80	32.0					

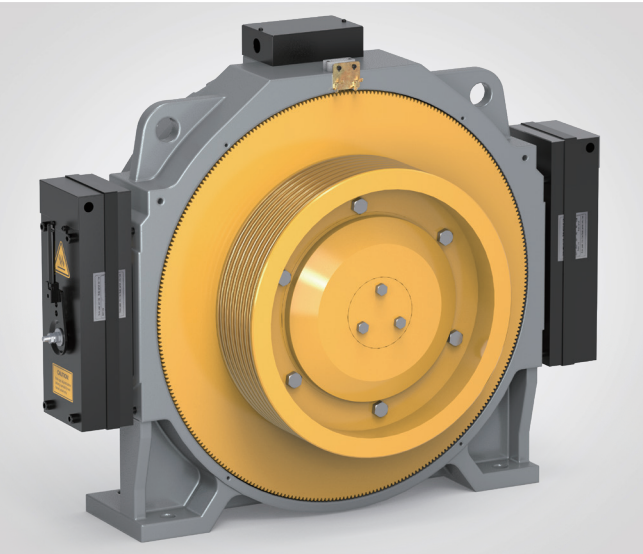
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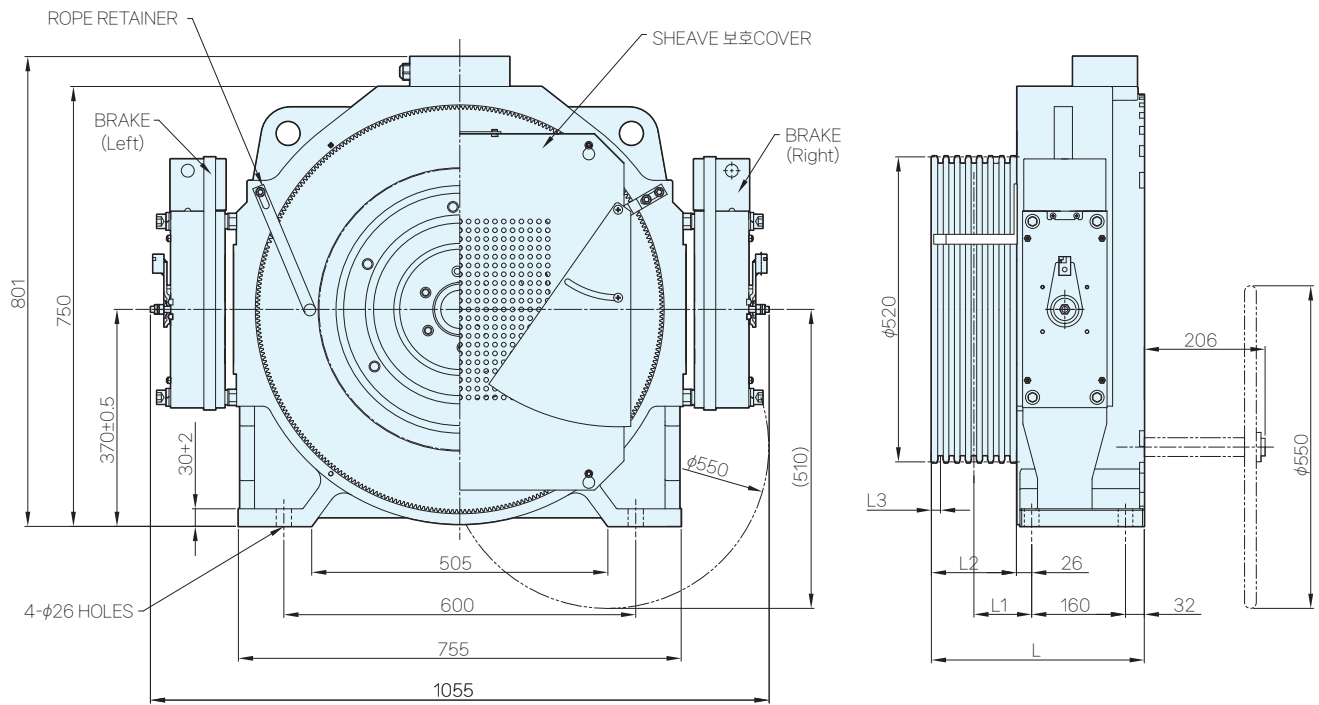
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MCK500X $\phi 520$

MCK 1:1 Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		1:1
Load Capacity		450~1,000kg
Speed		0.5~2.0m/s
Max Axle Load		15,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		2.4A x 2
Sheave Dia		$\phi 520$
Rope		$\phi 12$ [p19]
Poles		48P
Weight		765kg

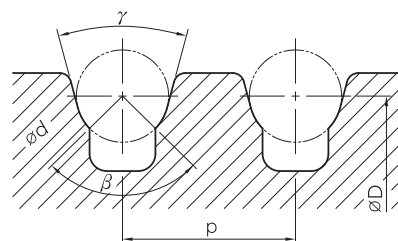


Groove 변화치수표 (mm)						
SH. Dia.	ϕd	본수	L	L1	L2	L3
$\phi 520$	12	4본	348	91	130	36.5
$\phi 520$	12	5본	348	91	130	27
$\phi 520$	12	6본	348	91	130	17.5
$\phi 520$	12	7본	363	98.5	145	15.5

MCK500X ϕ 520

MCK 1:1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
450~1,000kg	520	12	19	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
1:1	450	0.5	1.5	9	18	7.2	380	750	48	520	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	2.2	9	28	11.2					
		1.0	2.9	9	37	14.8					
		1.5	4.3	12	55	22.0					
		1.75	5.0	12	64	25.6					
		2.0	5.7	14	73	29.2					
	630	0.5	2.0	9	18	7.2	380	1,040	48	520	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	3.0	10	28	11.2					
		1.0	4.0	10	37	14.8					
		1.5	6.0	16	55	22.0					
		1.75	7.0	16	64	25.6					
		2.0	7.9	19	73	29.2					
	800	0.5	2.5	11	18	7.2	380	1,350	48	520	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	4.0	13	28	11.2					
		1.0	5.2	13	37	14.8					
		1.5	7.8	21	55	22.0					
		1.75	9.0	21	64	25.6					
		2.0	10.3	25	73	29.2					
	1,000	0.5	3.2	14	18	7.2	380	1,690	48	520	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	5.0	17	28	11.2					
		1.0	6.5	17	37	14.8					
		1.5	9.7	26	55	22.0					
		1.75	11.3	26	64	25.6					
		2.0	12.9	31	73	29.2					

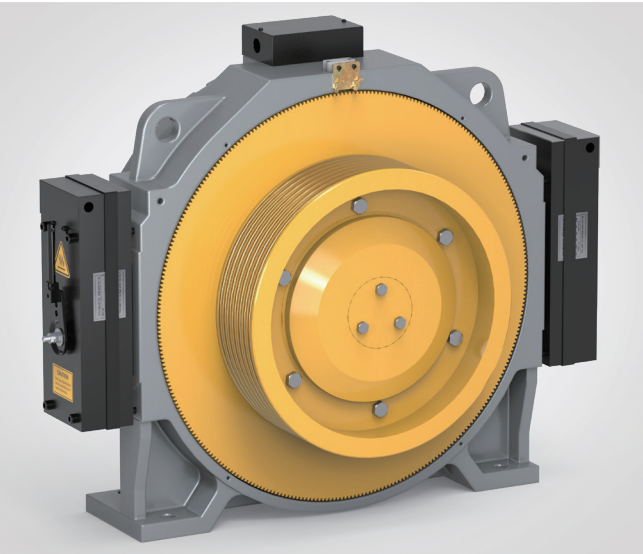
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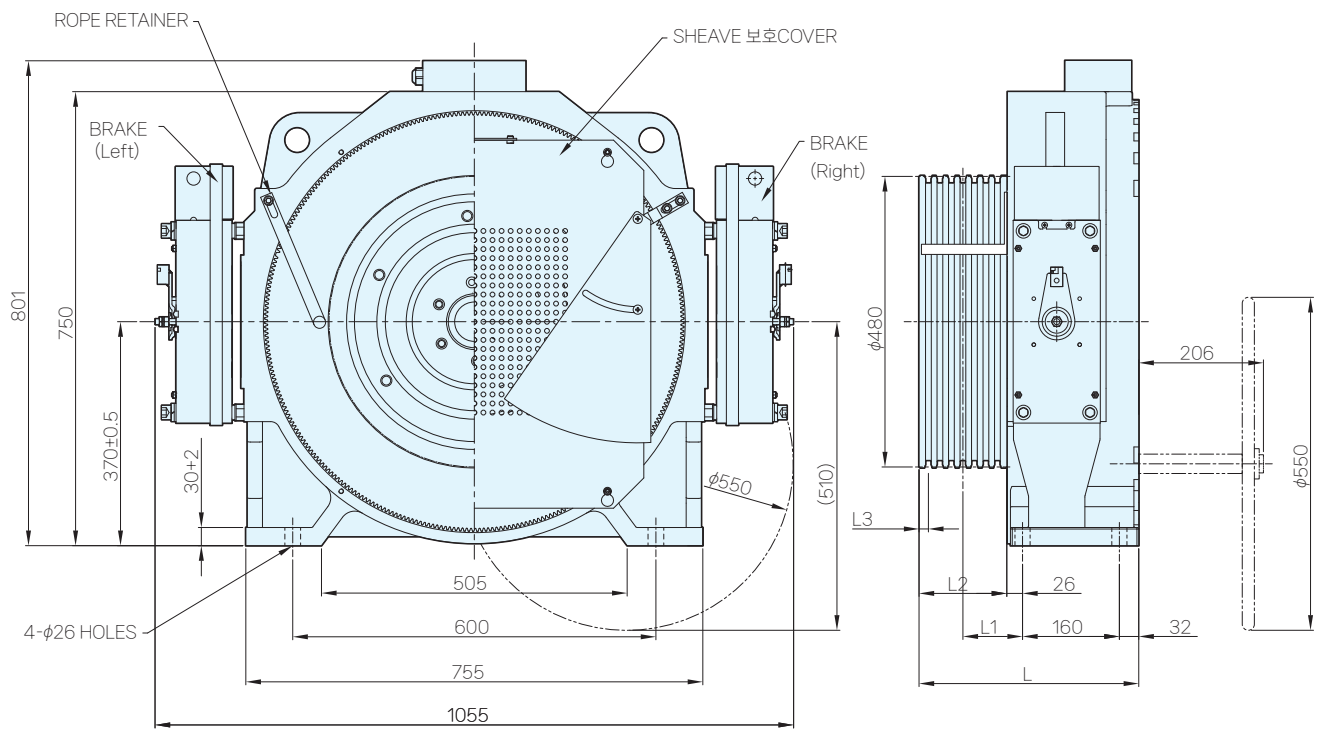
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MCK500X $\phi 480$

MCK 2 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		2:1
Load Capacity		900~2,300kg
Speed		0.5~1.0m/s
Max Axle Load		15,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		2.4A x 2
Sheave Dia		$\phi 480$
Rope		$\phi 12$ [p19]
Poles		48P
Weight		765kg

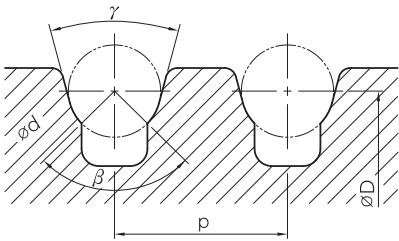


Groove 변화치수표 (mm)						
SH. Dia.	ϕd	본수	L	L1	L2	L3
$\phi 480$	12	4본	348	91	130	36.5
$\phi 480$	12	5본	348	91	130	27
$\phi 480$	12	6본	348	91	130	17.5
$\phi 480$	12	7본	363	98.5	145	15.5

MCK500X ϕ 480

MCK 2 :1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
900~2,300kg	480	12	19	95°	25°/30°
				105°	25°

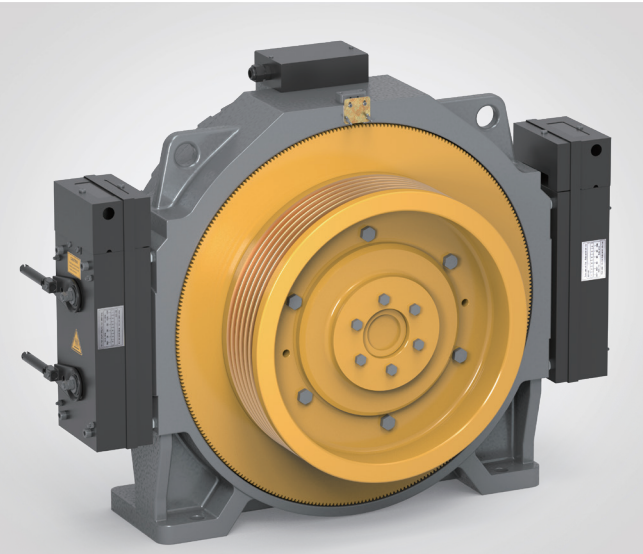


Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
2:1	900	0.5	2.9	9	40	16.0	380	690	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	4.3	13	60	24.0					
		1.0	5.8	13	80	32.0					
	1,275	0.5	4.0	12	40	16.0	380	960	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	6.0	18	60	24.0					
		1.0	8.0	18	80	32.0					
	1,600	0.5	5.2	15	40	16.0	380	1,250	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	7.9	23	60	24.0					
		1.0	10.5	23	80	32.0					
	1,800	0.5	5.9	18	40	16.0	380	1,400	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	8.8	26	60	24.0					
		1.0	11.7	26	80	32.0					
	2,000	0.5	6.5	20	40	16.0	380	1,560	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	9.8	26	60	24.0					
		1.0	13.1	29	80	32.0					
	2,300	0.5	7.5	23	40	16.0	380	1,790	48	480	$\phi 12 \times 4 \sim 7$ [p19]
		0.75	10.7	30	60	24.0					
		1.0	15.0	33	80	32.0					

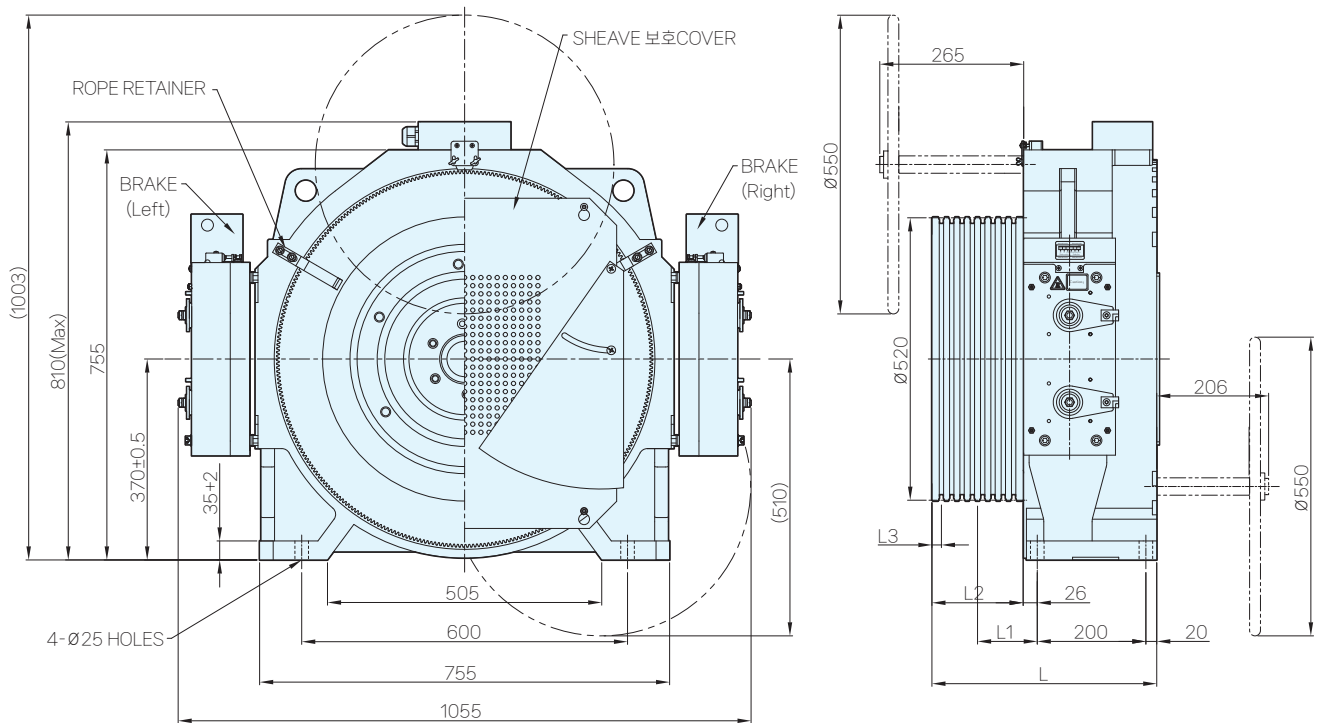
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Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MCK520 ϕ 520

MCK 1:1 Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		1:1
Load Capacity		630~1,275kg
Speed		0.5~2.0m/s
Max Axle Load		10,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		2.6A x 2
Sheave Dia		ϕ 520
Rope		ϕ 12 [p19]
Poles		40P
Weight		765kg

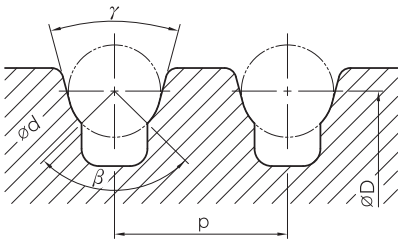


Groove 변화치수표 (mm)						
SH. Dia.	ϕ d	본수	L	L1	L2	L3
ϕ 520	12	5본	381	91	130	27
ϕ 520	12	6본	381	91	130	17.5
ϕ 520	12	7본	396	98.5	145	15.5
ϕ 520	12	8본	419	110	168	17.5

MCK520 ϕ 520

MCK 1:1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
630~1,275kg	520	12	19	95°	25°/30°
				105°	25°

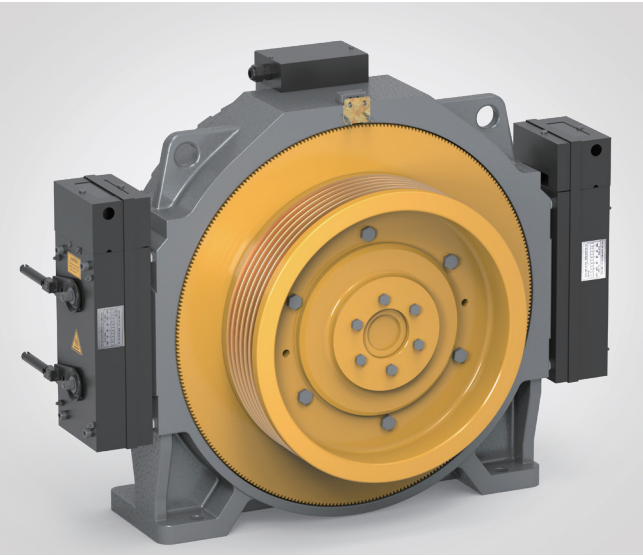


Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
1:1	630	0.5	2.0	11	18	6.0	380	1,040	40	520	$\phi 12 \times 5-8$ [p19]
		0.75	3.0	11	28	9.3					
		1.0	4.0	11	37	12.3					
		1.5	6.0	17	55	18.3					
		1.75	7.0	17	64	21.3					
		2.0	7.9	20	73	24.3					
	800	0.5	2.5	14	18	6.0	380	1,350	40	520	$\phi 12 \times 5-8$ [p19]
		0.75	4.0	14	28	9.3					
		1.0	5.2	14	37	12.3					
		1.5	7.8	23	55	18.3					
		1.75	9.0	23	64	21.3					
		2.0	10.3	26	73	24.3					
	1,000	0.5	3.2	17	18	6.0	380	1,690	40	520	$\phi 12 \times 5-8$ [p19]
		0.75	5.0	17	28	9.3					
		1.0	6.5	17	37	12.3					
		1.5	9.7	27	55	18.3					
		1.75	11.3	27	64	21.3					
		2.0	12.9	32	73	24.3					
	1,150	0.5	3.7	21	18	6.0	380	1,940	40	520	$\phi 12 \times 5-8$ [p19]
		0.75	5.7	21	28	9.3					
		1.0	7.5	21	37	12.3					
		1.5	11.2	38	55	18.3					
		1.75	13.0	38	64	21.3					
		2.0	14.8	38	73	24.3					
	1,275	0.5	4.1	23	18	6.0	380	2,150	40	520	$\phi 12 \times 5-8$ [p19]
		0.75	6.3	23	28	9.3					
		1.0	8.3	23	37	12.3					
		1.5	12.4	41	55	18.3					
		1.75	14.4	41	64	21.3					
		2.0	16.4	41	73	24.3					

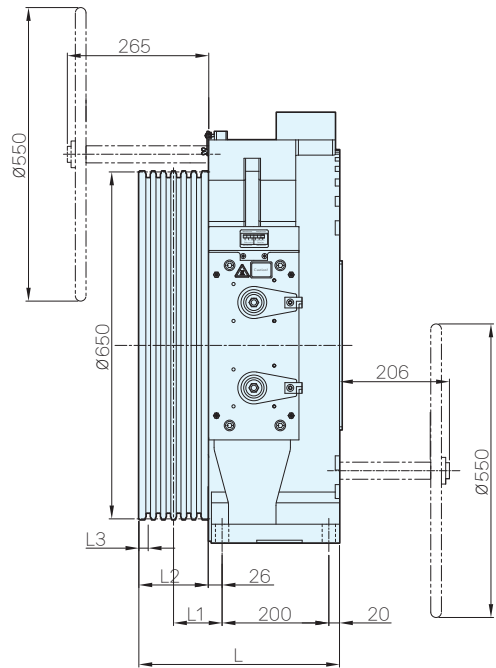
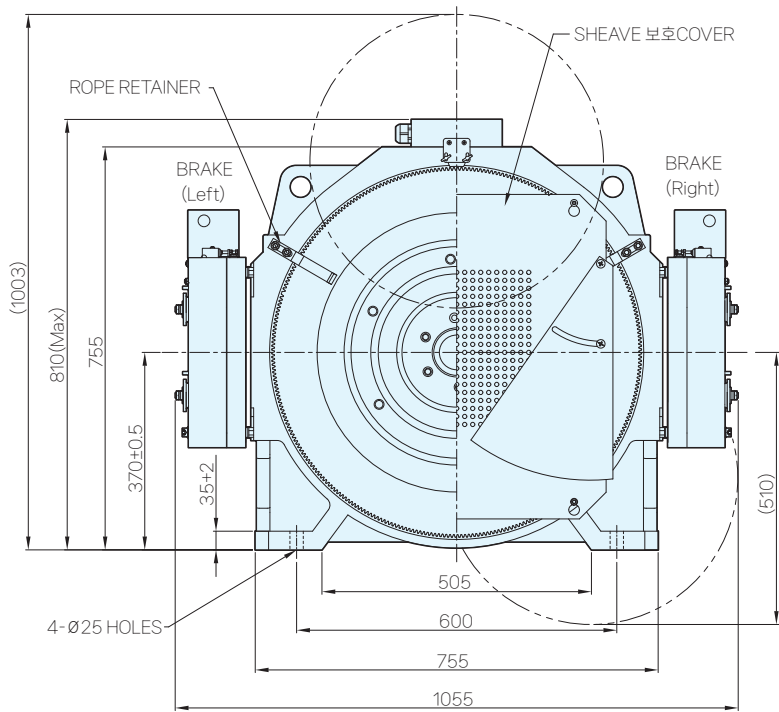
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Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MCK520 ϕ 650

MCK 1 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		1:1
Load Capacity		630~1,000kg
Speed		0.5~2.0m/s
Max Axle Load		10,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		2.6A x 2
Sheave Dia		ϕ 650
Rope		ϕ 12 [p19]
Poles		40P
Weight		765kg

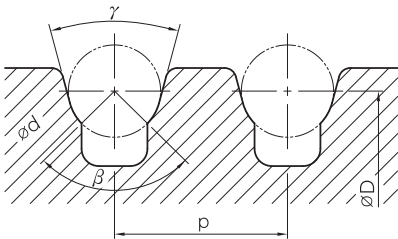


Groove 변화치수표 (mm)						
SH. Dia.	ϕ d	본수	L	L1	L2	L3
ϕ 650	12	5본	381	91	130	27
ϕ 650	12	6본	381	91	130	17.5

MCK520 ϕ 650

MCK 1 :1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
630~1,000kg	650	12	19	95°	25°/30°
				105°	25°

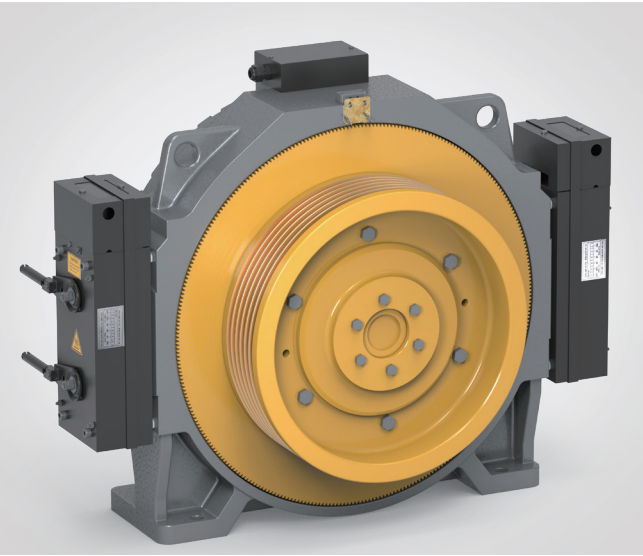


Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
1:1	630	0.5	2.0	13	15	5.0	380	1,300	40	650	$\phi 12 \times 5 \sim 6$ [p19]
		0.75	3.0	13	22	7.3					
		1.0	3.9	13	29	9.7					
		1.5	6.0	20	44	14.7					
		1.75	6.9	20	51	17.0					
		2.0	8.0	21	59	19.7					
	800	0.5	2.7	16	15	5.0	380	1,690	40	650	$\phi 12 \times 5 \sim 6$ [p19]
		0.75	3.9	16	22	7.3					
		1.0	5.1	16	29	9.7					
		1.5	7.8	25	44	14.7					
		1.75	9.0	25	51	17.0					
		2.0	10.4	26	59	19.7					
	1,000	0.5	3.3	20	15	5.0	380	2,110	40	650	$\phi 12 \times 5 \sim 6$ [p19]
		0.75	4.9	20	22	7.3					
		1.0	6.4	20	29	9.7					
		1.5	9.7	32	44	14.7					
		1.75	11.3	32	51	17.0					
		2.0	13.0	33	59	19.7					

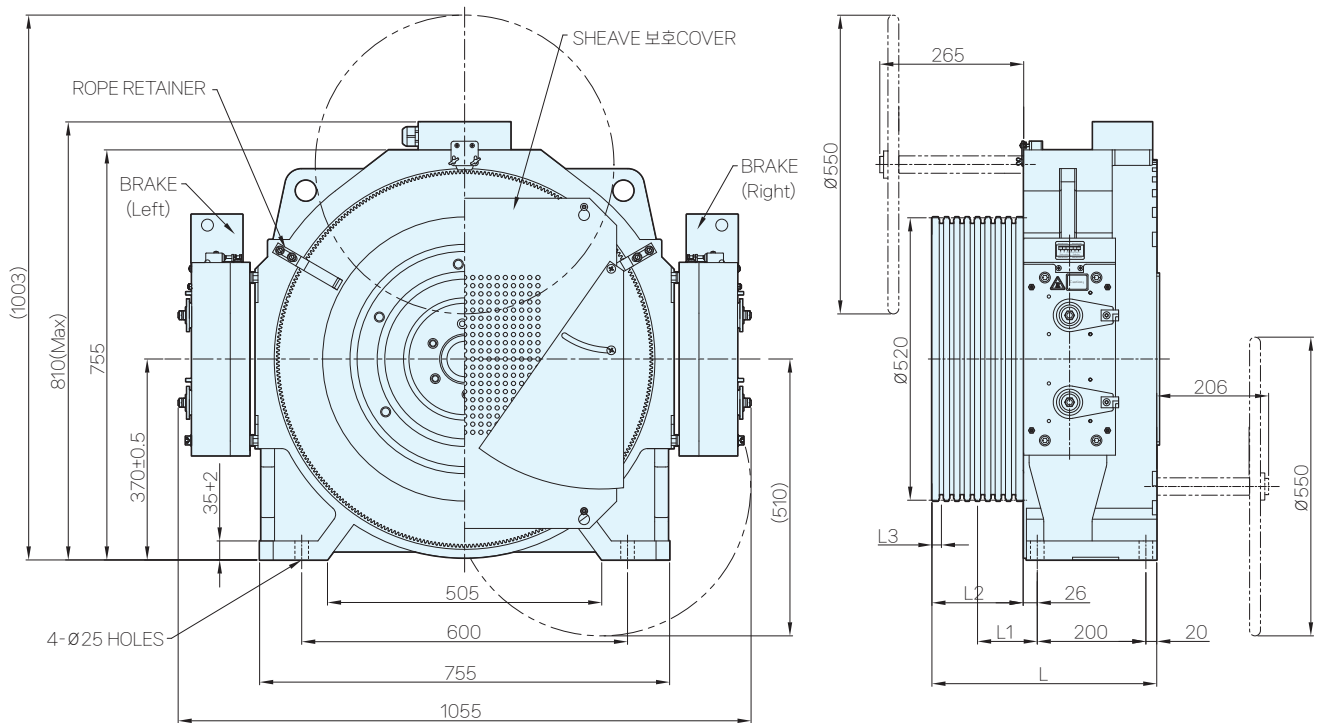
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Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MCK520 ϕ 520

MCK 2 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		2:1
Load Capacity		1,350~2,500kg
Speed		0.5~1.0m/s
Max Axle Load		10,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		2.6Ax2
Sheave Dia		ϕ 520
Rope		ϕ 12 [p19]
Poles		40P
Weight		765kg

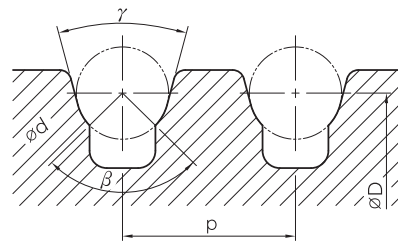


Groove 변화치수표 (mm)						
SH. Dia.	ϕ d	본수	L	L1	L2	L3
ϕ 520	12	5본	381	91	130	27
ϕ 520	12	6본	381	91	130	17.5
ϕ 520	12	7본	396	98.5	145	15.5
ϕ 520	12	8본	419	110	168	17.5

MCK520 ϕ 520

MCK 2 :1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
1,350~2,500kg	520	12	19	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
2:1	1,350	0.5	4.3	15	37	12.3	380	1,120	40	520	$\phi 12 \times 5-8$ [p19]
		0.75	6.5	22	55	18.3					
		1.0	8.6	22	73	24.3					
	1500	0.5	4.8	17	37	12.3	380	1,240	40	520	$\phi 12 \times 5-8$ [p19]
		0.75	7.1	24	55	18.3					
		1.0	9.5	24	73	24.3					
	1,600	0.5	5.2	14	37	12.3	380	1,350	40	520	$\phi 12 \times 5-8$ [p19]
		0.75	7.8	23	55	18.3					
		1.0	10.3	26	73	24.3					
	1,800	0.5	5.9	16	37	12.3	380	1,520	40	520	$\phi 12 \times 5-8$ [p19]
		0.75	8.8	25	55	18.3					
		1.0	11.6	29	73	24.3					
	2,000	0.5	6.5	17	37	12.3	380	1,690	40	520	$\phi 12 \times 5-8$ [p19]
		0.75	9.7	27	55	18.3					
		1.0	12.9	32	73	24.3					
	2,300	0.5	7.5	21	37	12.3	380	1,940	40	520	$\phi 12 \times 5-8$ [p19]
		0.75	11.2	38	55	18.3					
		1.0	14.8	38	73	24.3					
	2,500	0.5	8.2	23	37	12.3	380	2,110	40	520	$\phi 12 \times 5-8$ [p19]
		0.75	12.2	41	55	18.3					
		1.0	16.1	41	73	24.3					

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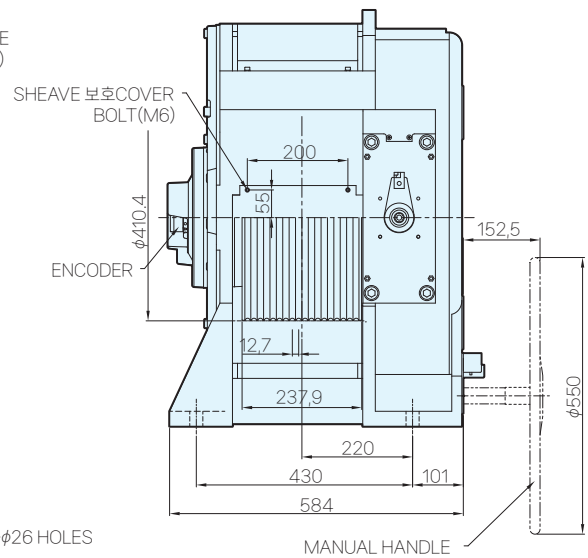
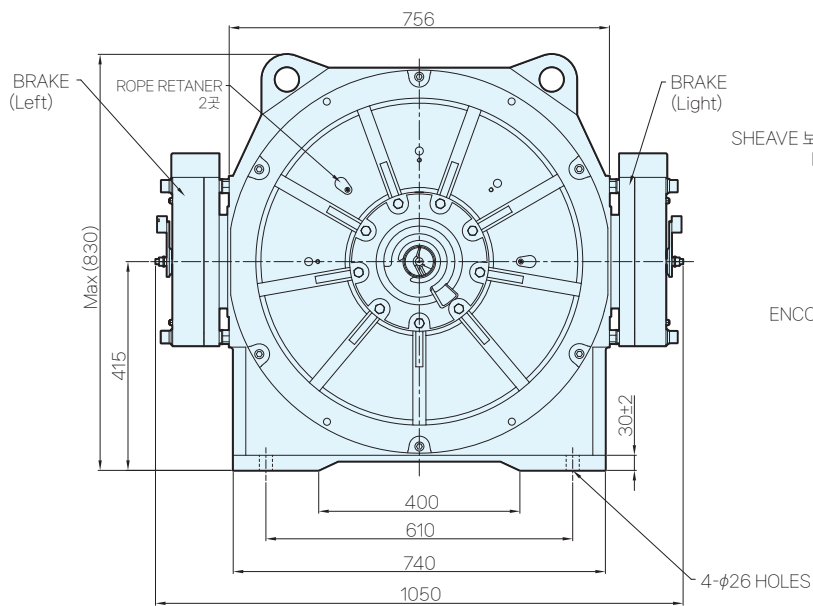
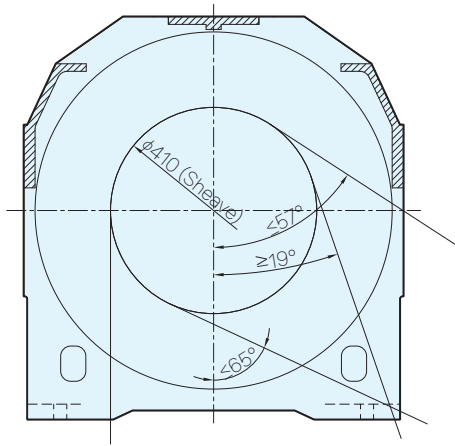
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MDD410B | Double Wrap $\phi 410$

OTHER 1 :1 Series Permanent Magnet Synchronous Gearless Traction Machine



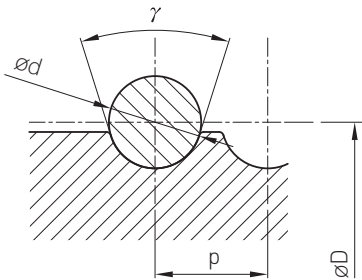
Traction Ratio		1:1
Load Capacity		500~1,150kg
Speed		0.5~2.0m/s
Max Axle Load		11,500kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		2.4Ax2
Sheave Dia		$\phi 410$
Rope		$\phi 10$ [p12.7]
Poles		40P
Weight		900kg



MDD410B | Double Wrap $\phi 410$

OTHER 1 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)				
Load	ϕD	ϕd	p	γ
500~1,150kg	410	10	12.7	35°
				40°
				43°

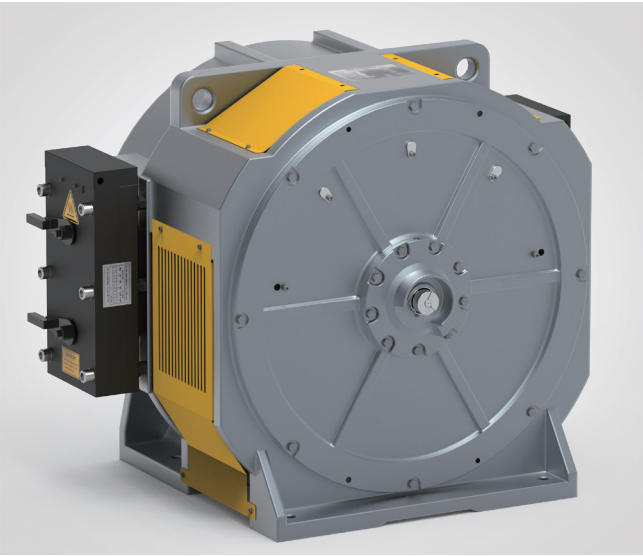


Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
1:1	500	0.5	1.6	10	23	7.7	380	650	40	410	$\phi 10 \times 10 \sim 18$ [p12.7]
		0.75	2.4	10	35	11.7					
		1.0	3.2	10	47	15.7					
		1.5	4.8	16	70	23.3					
		1.75	5.6	16	82	27.3					
		2.0	6.3	16	93	31.0					
	550	0.5	1.7	11	23	7.7	380	720	40	410	$\phi 10 \times 10 \sim 18$ [p12.7]
		0.75	2.6	11	35	11.7					
		1.0	3.5	11	47	15.7					
		1.5	5.3	18	70	23.3					
		1.75	6.2	18	82	27.3					
		2.0	7.0	18	93	31.0					
	630	0.5	2.0	13	23	7.7	380	820	40	410	$\phi 10 \times 10 \sim 18$ [p12.7]
		0.75	3.0	13	35	11.7					
		1.0	4.0	13	47	15.7					
		1.5	6.0	20	70	23.3					
		1.75	7.0	20	82	27.3					
		2.0	8.0	20	93	31.0					
	800	0.5	2.6	11	23	7.7	380	1,060	40	410	$\phi 10 \times 10 \sim 18$ [p12.7]
		0.75	3.9	15	35	11.7					
		1.0	5.2	15	47	15.7					
		1.5	7.8	20	70	23.3					
		1.75	9.1	22	82	27.3					
		2.0	10.3	26	93	31.0					
	1,000	0.5	3.2	14	23	7.7	380	1,330	40	410	$\phi 10 \times 10 \sim 18$ [p12.7]
		0.75	4.9	17	35	11.7					
		1.0	6.5	17	47	15.7					
		1.5	9.7	24	70	23.3					
		1.75	11.4	28	82	27.3					
		2.0	13.0	32	93	31.0					
	1,150	0.5	3.7	15	23	7.7	380	1,530	40	410	$\phi 10 \times 10 \sim 18$ [p12.7]
		0.75	5.6	22	35	11.7					
		1.0	7.5	22	47	15.7					
		1.5	11.2	30	70	23.3					
		1.75	13.1	33	82	27.3					
		2.0	14.9	33	93	31.0					

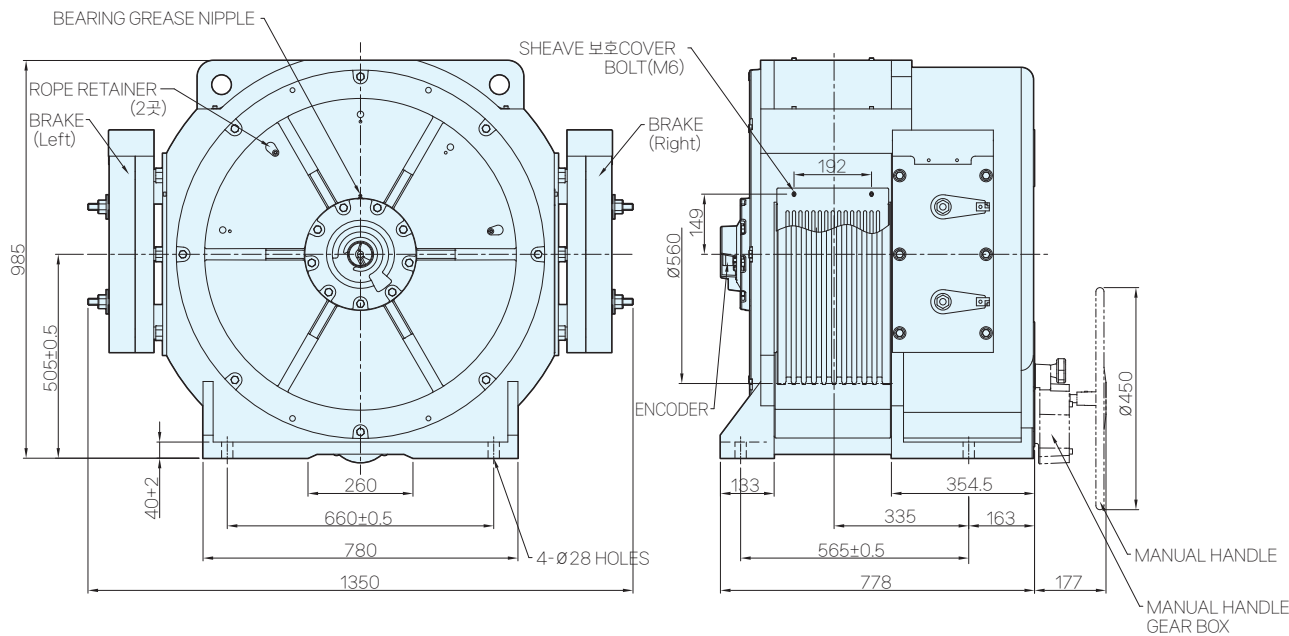
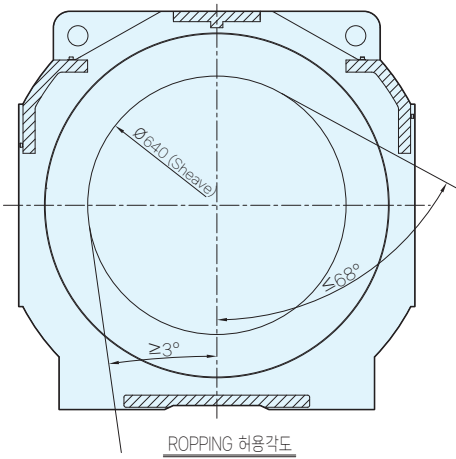
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MGK640 $\phi 560$

OTHER 2 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine



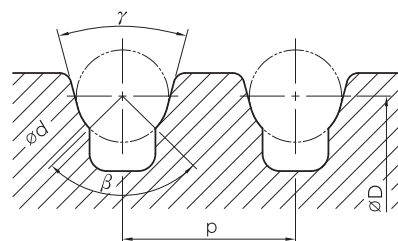
Traction Ratio		2:1
Load Capacity		2,500~5,000kg
Speed		0.5~2.0m/s
Max Axle Load		18,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		3.3A x 2
Sheave Dia		$\phi 560$
Rope		$\phi 14$ [p22]
		$\phi 12$ [p19]
Poles		48P
Weight		1,800kg



MGK640 ϕ 560

OTHER 2 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
2,500~5,000kg	560	14	22	95°	25°/30°
				105°	25°
		12	19	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
2:1	2,500	0.5	8.1	21	34	13.6	380	2,270	48	560	$\phi 12 \times 8$ [p19] $\phi 14 \times 5$ [p22]
		0.75	12.1	40	51	20.4					
		1.0	16.2	40	68	27.2					
		1.5	24.2	60	102	40.8					
		1.75	28.3	60	119	47.6					
		2.0	32.3	69	136	54.4					
	3,000	0.5	9.7	26	34	13.6	380	2,730	48	560	$\phi 12 \times 8$ [p19] $\phi 14 \times 5$ [p22]
		0.75	14.6	48	51	20.4					
		1.0	19.4	48	68	27.2					
		1.5	29.2	72	102	40.8					
		1.75	34	72	119	47.6					
		2.0	38.9	83	136	54.4					
	3,500	0.5	11.3	30	34	13.6	380	3,180	48	560	$\phi 12 \times 9$ [p19] $\phi 14 \times 6$ [p22]
		0.75	17.0	56	51	20.4					
		1.0	22.6	56	68	27.2					
		1.5	34.0	84	102	40.8					
		1.75	39.6	84	119	47.6					
		2.0	45.3	96	136	54.4					
	4,000	0.5	13.0	36	34	13.6	380	3,640	48	560	$\phi 12 \times 10$ [p19] $\phi 14 \times 7$ [p22]
		0.75	19.4	65	51	20.4					
		1.0	25.9	65	68	27.2					
		1.5	38.9	98	102	40.8					
		1.75	45.4	98	119	47.6					
		2.0	56.8	110	136	54.4					
	4,500	0.5	14.6	41	34	13.6	380	4,090	48	560	$\phi 12 \times 11$ [p19] $\phi 14 \times 8$ [p22]
		0.75	21.8	73	51	20.4					
		1.0	29.1	73	68	27.2					
		1.5	43.7	110	102	40.8					
		1.75	51.0	110	119	47.6					
		2.0	58.2	125	136	54.4					
	5,000	0.5	16.2	45	34	13.6	380	4,540	48	560	$\phi 12 \times 12$ [p19] $\phi 14 \times 10$ [p22]
		0.75	24.2	82	51	20.4					
		1.0	32.3	82	68	27.2					
		1.5	48.5	125	102	40.8					
		1.75	56.5	125	119	47.6					
		2.0	64.7	138	136	54.4					

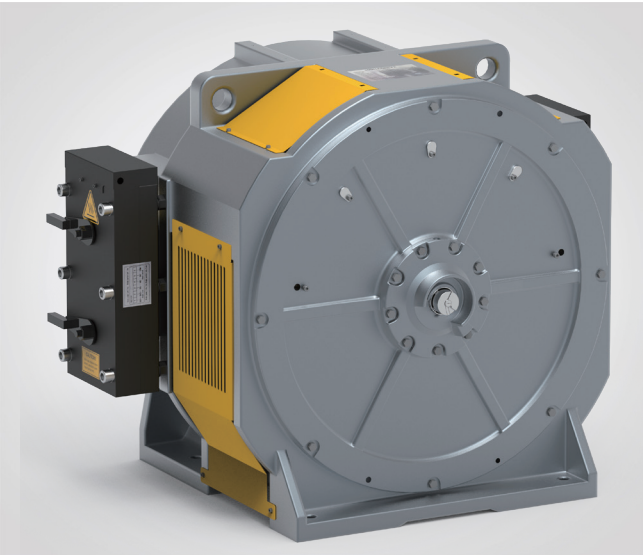
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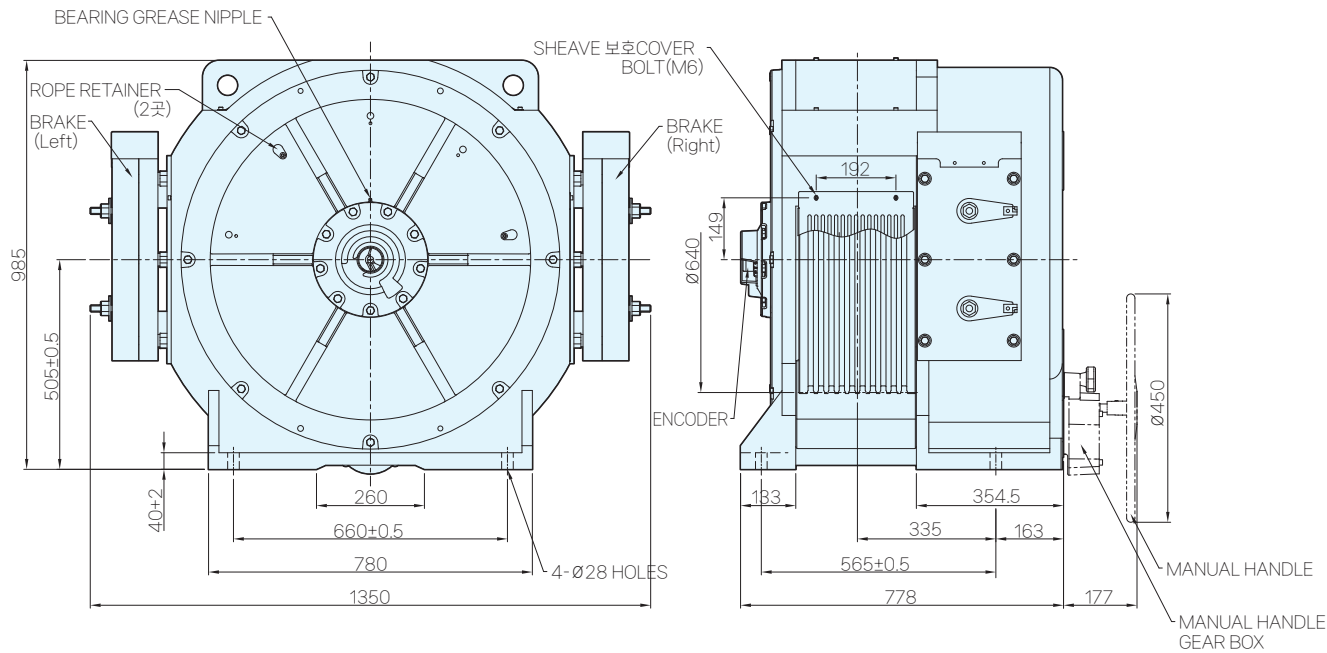
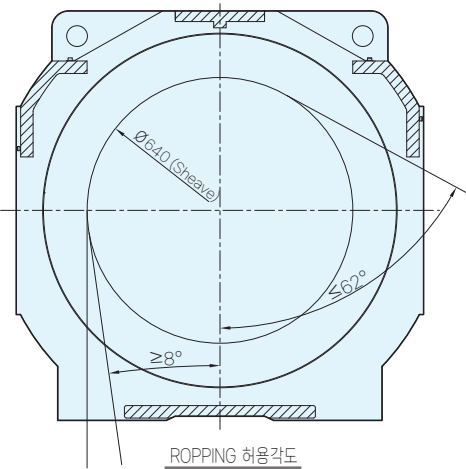
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MGK640 ϕ 640

OTHER 2 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine



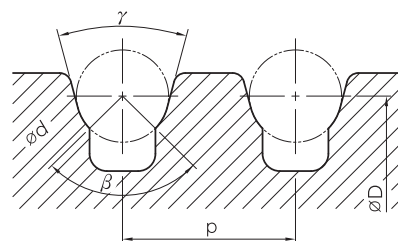
Traction Ratio		2:1
Load Capacity		2,500~5,000kg
Speed		0.5~2.0m/s
Max Axle Load		18,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		3.3A x 2
Sheave Dia		ϕ 640
Rope		ϕ 16 [p25]
Poles		48P
Weight		1,800kg



MGK640 ϕ 640

OTHER 2 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
2,500~5,000kg	640	16	25	95°	30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
2:1	2,500	0.5	8.2	24	30	12.0	380	2,600	48	640	$\phi 16 \times 7 \sim 11$ [p25]
		0.75	12.3	38	45	18.0					
		1.0	16.3	38	60	24.0					
		1.5	24.5	63	90	36.0					
		1.75	28.3	63	104	41.6					
		2.0	32.4	69	119	47.6					
	3,000	0.5	9.2	30	30	12.0	380	2,920	48	640	$\phi 16 \times 7 \sim 11$ [p25]
		0.75	13.8	45	45	18.0					
		1.0	18.3	45	60	24.0					
		1.5	27.5	75	90	36.0					
		1.75	31.8	75	104	41.6					
		2.0	36.4	82	119	47.6					
	3,500	0.5	10.7	37	30	12.0	380	3,410	48	640	$\phi 16 \times 7 \sim 11$ [p25]
		0.75	16.1	51	45	18.0					
		1.0	21.4	51	60	24.0					
		1.5	32.1	88	90	36.0					
		1.75	37.1	88	104	41.6					
		2.0	42.5	96	119	47.6					
	4,000	0.5	12.3	39	30	12.0	380	3,900	48	640	$\phi 16 \times 7 \sim 11$ [p25]
		0.75	18.4	59	45	18.0					
		1.0	24.5	59	60	24.0					
		1.5	36.8	101	90	36.0					
		1.75	42.5	101	104	41.6					
		2.0	48.6	110	119	47.6					
	4,500	0.5	13.8	45	30	12.0	380	4,380	48	640	$\phi 16 \times 7 \sim 11$ [p25]
		0.75	20.6	66	45	18.0					
		1.0	27.5	66	60	24.0					
		1.5	41.3	112	90	36.0					
		1.75	47.7	112	104	41.6					
		2.0	54.6	123	119	47.6					
	5,000	0.5	16.3	53	30	12.0	380	5,190	48	640	$\phi 16 \times 7 \sim 11$ [p25]
		0.75	24.5	81	45	18.0					
		1.0	32.6	81	60	24.0					
		1.5	48.9	128	90	36.0					
		1.75	56.5	128	104	41.6					
		2.0	64.7	146	119	47.6					

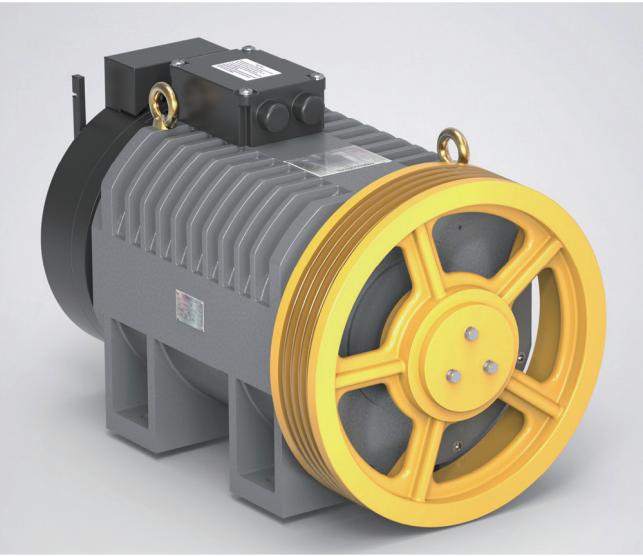
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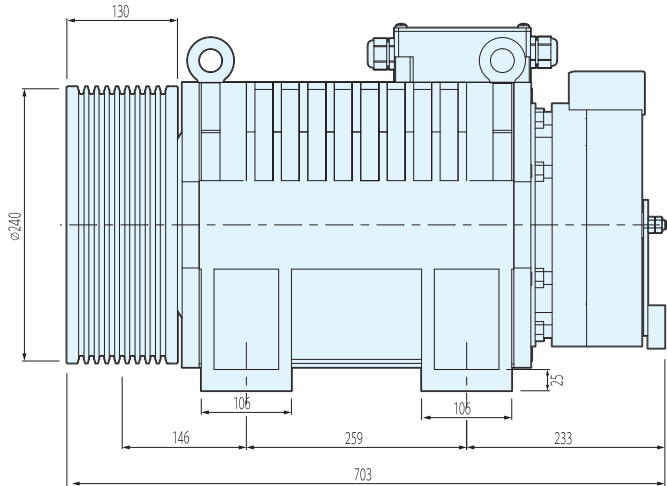
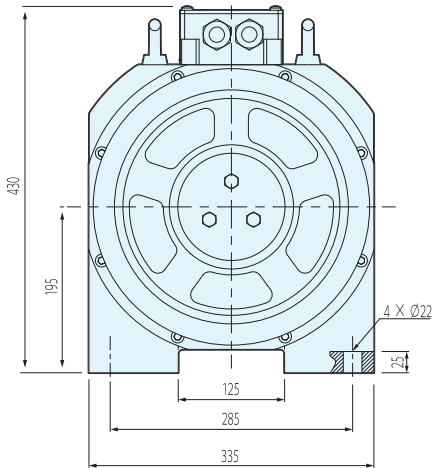
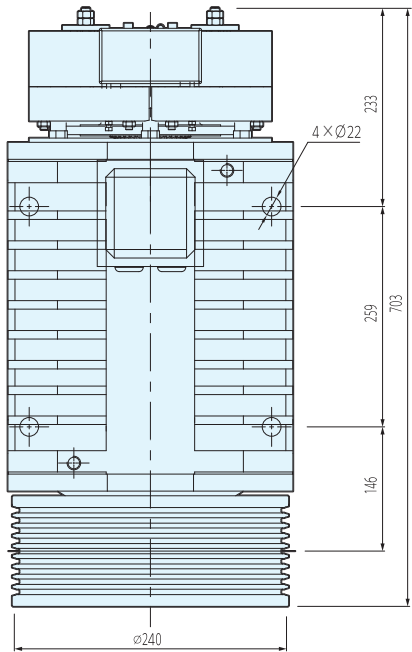
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MONA320 Ø 240

MONA 2 :1 Series Permanent Magnet Synchronous Gearless Traction Machine



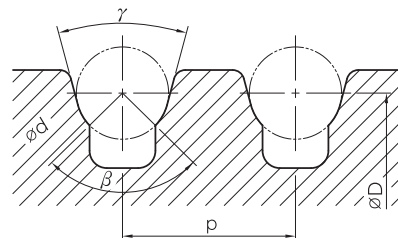
Traction Ratio		2:1
Load Capacity		320~1,275kg
Speed		0.5~1.75m/s
Max Axle Load		3,500kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		1.5A x 2
Sheave Dia		Ø240
Rope		Ø6 [p12]
Poles		24P
Weight		300kg



MONA320 ϕ 240

MONA 2 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
320~1,275kg	240	6	12	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
2:1	320	0.5	1.1	4	80	16.0	380	120	24	240	$\phi 6 \times 5-10$ [p12]
		0.75	1.5	6	119	23.8					
		1.0	2.0	6	159	31.8					
		1.5	3.0	9	239	47.8					
		1.75	3.5	9	279	55.8					
	450	0.5	1.4	5	80	16.0	380	170	24	240	$\phi 6 \times 5-10$ [p12]
		0.75	2.1	8	119	23.8					
		1.0	2.8	8	159	31.8					
		1.5	4.3	12	239	47.8					
		1.75	5.0	12	279	55.8					
	630	0.5	2.0	7	80	16.0	380	240	24	240	$\phi 6 \times 5-10$ [p12]
		0.75	3.0	11	119	23.8					
		1.0	4.0	11	159	31.8					
		1.5	6.0	17	239	47.8					
		1.75	7.0	17	279	55.8					
	800	0.5	2.6	7	80	16.0	380	310	24	240	$\phi 6 \times 5-10$ [p12]
		0.75	3.9	13	119	23.8					
		1.0	5.2	13	159	31.8					
		1.5	7.8	21	239	47.8					
		1.75	9.1	21	279	55.8					
	1,000	0.5	3.2	8	80	16.0	380	380	24	240	$\phi 6 \times 5-10$ [p12]
		0.75	4.7	16	119	23.8					
		1.0	6.3	16	159	31.8					
		1.5	9.5	24	239	47.8					
		1.75	11.1	24	279	55.8					
	1,150	0.5	3.7	12	80	16.0	380	440	24	240	$\phi 6 \times 5-10$ [p12]
		0.75	5.5	17	119	23.8					
		1.0	7.3	17	159	31.8					
		1.5	11.0	25	239	47.8					
	1,275	0.5	4.1	15	80	16.0	380	490	24	240	$\phi 6 \times 5-10$ [p12]
		0.75	6.1	20	119	23.8					
		1.0	8.2	20	159	31.8					
		1.5	12.3	28	239	47.8					

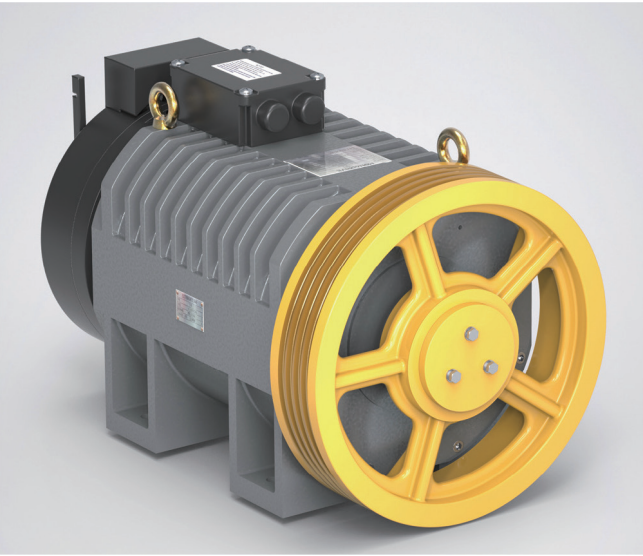
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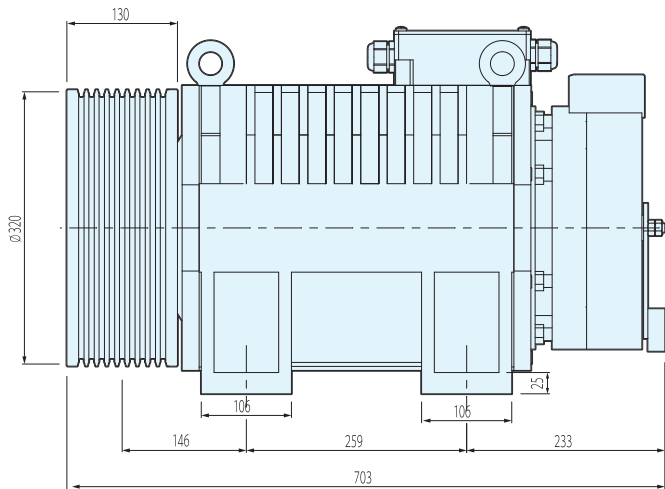
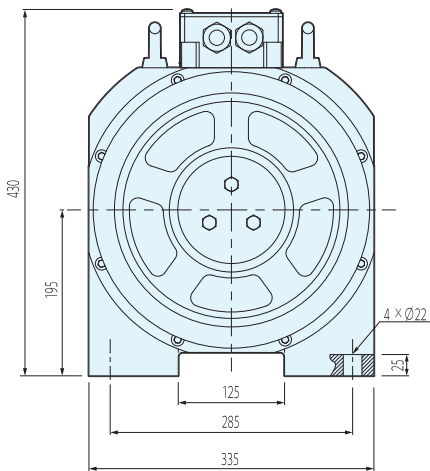
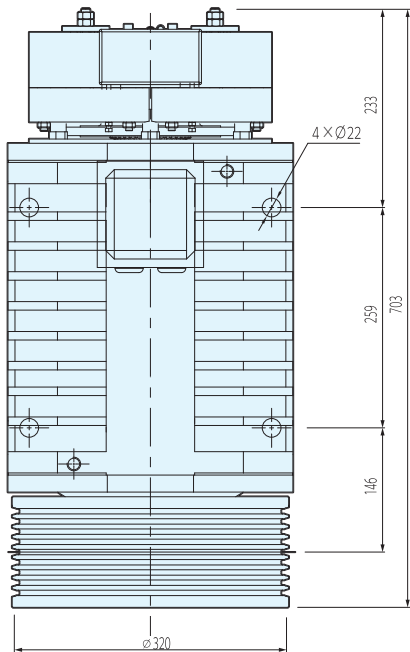
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MONA320 ϕ 320

MONA 2 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine



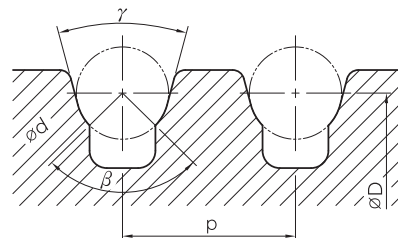
Traction Ratio		2:1
Load Capacity		320~1,275kg
Speed		0.5~1.75m/s
Max Axle Load		3,500kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		1.5A x 2
Sheave Dia		ø320
Rope		ø8 [p12]
Poles		24P
Weight		300kg



MONA320 ϕ 320

MONA 2 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
320~1,275kg	320	8	12	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
2:1	320	0.5	1.1	4	60	12.0	380	160	24	320	$\phi 8 \times 3 \sim 9$ [p12]
		0.75	1.5	5	90	18.0					
		1.0	2.0	5	119	23.8					
		1.5	3.0	8	179	35.8					
		1.75	3.5	8	209	41.8					
	450	0.5	1.4	5	60	12.0	380	230	24	320	$\phi 8 \times 3 \sim 9$ [p12]
		0.75	2.2	7	90	18.0					
		1.0	2.9	7	119	23.8					
		1.5	4.3	11	179	35.8					
		1.75	5.0	11	209	41.8					
	630	0.5	2.0	7	60	12.0	380	320	24	320	$\phi 8 \times 3 \sim 9$ [p12]
		0.75	3.0	10	90	18.0					
		1.0	4.0	10	119	23.8					
		1.5	6.0	16	179	35.8					
		1.75	7.0	16	209	41.8					
	800	0.5	2.6	9	60	12.0	380	410	24	320	$\phi 8 \times 3 \sim 9$ [p12]
		0.75	3.9	12	90	18.0					
		1.0	5.1	12	119	23.8					
		1.5	7.7	20	179	35.8					
		1.75	9.0	20	209	41.8					
	1,000	0.5	3.2	11	60	12.0	380	510	24	320	$\phi 8 \times 3 \sim 9$ [p12]
		0.75	4.8	15	90	18.0					
		1.0	6.4	15	119	23.8					
		1.5	9.6	25	179	35.8					
		1.75	11.2	25	209	41.8					
	1,150	0.5	3.7	12	60	12.0	380	590	24	320	$\phi 8 \times 3 \sim 9$ [p12]
		0.75	5.6	17	90	18.0					
		1.0	7.4	17	119	23.8					
		1.5	11.1	30	179	35.8					
		1.75	12.9	30	209	41.8					
	1,275	0.5	4.1	12	60	12.0	380	650	24	320	$\phi 8 \times 3 \sim 9$ [p12]
		0.75	6.1	19	90	18.0					
		1.0	8.1	19	119	23.8					
		1.5	12.2	30	179	35.8					
		1.75	14.2	30	209	41.8					

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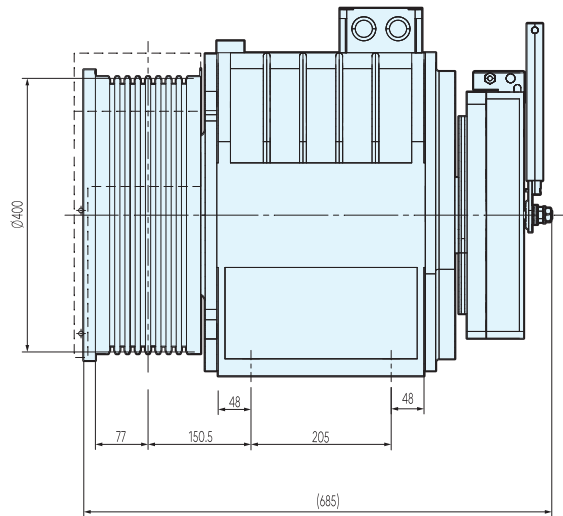
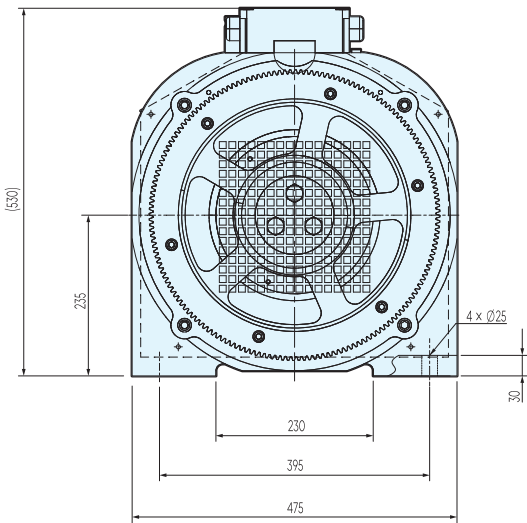
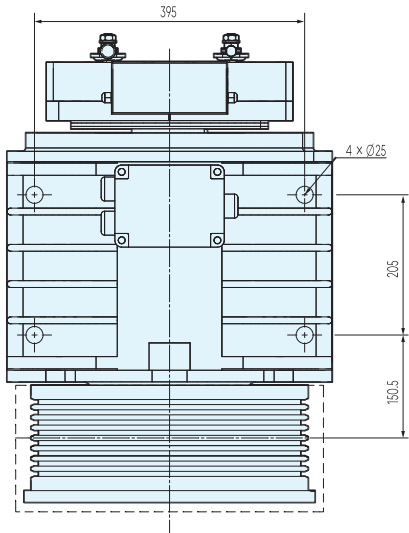
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MONA400 ϕ 400

MONA 2 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine



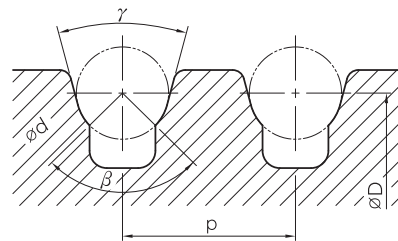
Traction Ratio		2:1
Load Capacity		630~1,800kg
Speed		0.5~2.5m/s
Max Axle Load		5,500kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		2.0A x 2
Sheave Dia		ϕ 400
Rope		ϕ 10 [p15]
Poles		32P
Weight		480kg



MONA400 ϕ 400

MONA 2 :1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
630~1,800kg	400	10	15	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
2:1	630	0.5	2.0	6	48	12.8	380	400	32	400	$\phi 10 \times 4 \sim 10$ [p15]
		0.75	3.0	9	72	19.2					
		1.0	4.0	9	95	25.3					
		1.5	6.0	15	143	38.1					
		1.75	7.0	15	167	44.5					
		2.0	8.0	17	191	50.9					
	800	2.5	10.0	24	239	63.7	380	510	32	400	$\phi 10 \times 4 \sim 10$ [p15]
		0.5	2.6	8	48	12.8					
		0.75	3.8	12	72	19.2					
		1.0	5.1	12	95	25.3					
		1.5	7.6	19	143	38.1					
		1.75	8.9	19	167	44.5					
	1,000	2.0	10.2	22	191	50.9	380	640	32	400	$\phi 10 \times 4 \sim 10$ [p15]
		2.5	12.8	29	239	63.7					
		0.5	3.2	10	48	12.8					
		0.75	4.8	15	72	19.2					
		1.0	6.4	15	95	25.3					
		1.5	9.6	24	143	38.1					
	1,150	1.75	11.2	24	167	44.5	380	730	32	400	$\phi 10 \times 4 \sim 10$ [p15]
		2.0	12.8	28	191	50.9					
		2.5	16.0	36	239	63.7					
		0.5	3.7	12	48	12.8					
		0.75	5.5	18	72	19.2					
		1.0	7.3	18	95	25.3					
	1,275	1.5	10.9	29	143	38.1	380	810	32	400	$\phi 10 \times 4 \sim 10$ [p15]
		1.75	12.8	29	167	44.5					
		2.0	14.6	33	191	50.9					
		2.5	20.3	45	239	63.7					
		0.5	4.1	13	48	12.8					
		0.75	6.1	20	72	19.2					
	1,350	1.0	8.1	20	95	25.3	380	860	32	400	$\phi 10 \times 4 \sim 10$ [p15]
		1.5	12.1	33	143	38.1					
		1.75	14.2	33	167	44.5					
		2.0	16.2	37	191	50.9					
		2.5	21.5	48	239	63.7					
		0.5	4.3	14	48	12.8					
	1,600	0.75	6.5	23	72	19.2	380	1,040	32	400	$\phi 10 \times 4 \sim 10$ [p15]
		1.0	8.6	23	95	25.3					
		1.5	12.9	38	143	38.1					
		1.75	15.0	38	167	44.5					
		2.0	17.2	39	191	50.9					
		2.5	21.5	48	239	63.7					
	1,800	0.5	5.2	17	48	12.8	380	1,170	32	400	$\phi 10 \times 4 \sim 10$ [p15]
		0.75	7.8	29	72	19.2					
		1.0	10.3	29	95	25.3					
		1.5	15.6	43	143	38.1					
		1.75	18.2	43	167	44.5					
		2.0	20.8	47	191	50.9					
	1,800	2.5	26.0	57	239	63.7	380	1,170	32	400	$\phi 10 \times 4 \sim 10$ [p15]
		0.5	5.9	17	48	12.8					
		0.75	8.8	29	72	19.2					
		1.0	11.6	29	95	25.3					
		1.5	17.5	44	143	38.1					
		1.75	20.5	44	167	44.5					
	1,800	2.0	23.4	50	191	50.9					
		2.5	29.3	66	239	63.7					

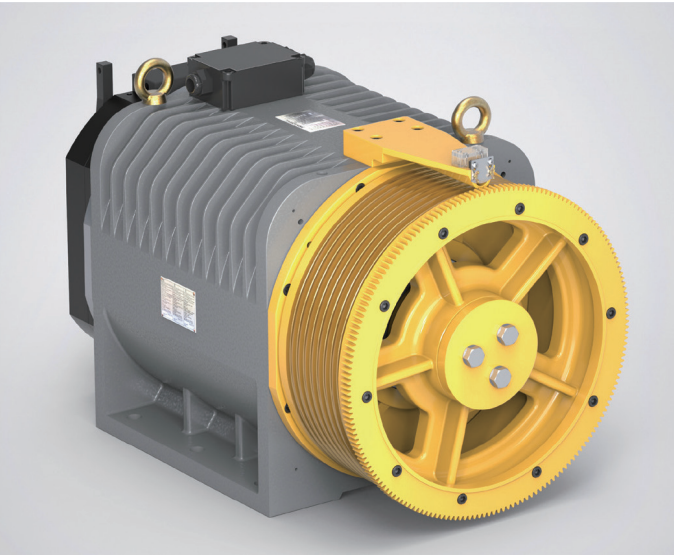
* 주) 제품의 성능향상을 위해 예고 없이 사양이 변경될 수 있습니다. Specification can be changed without prior notice for product improvement.

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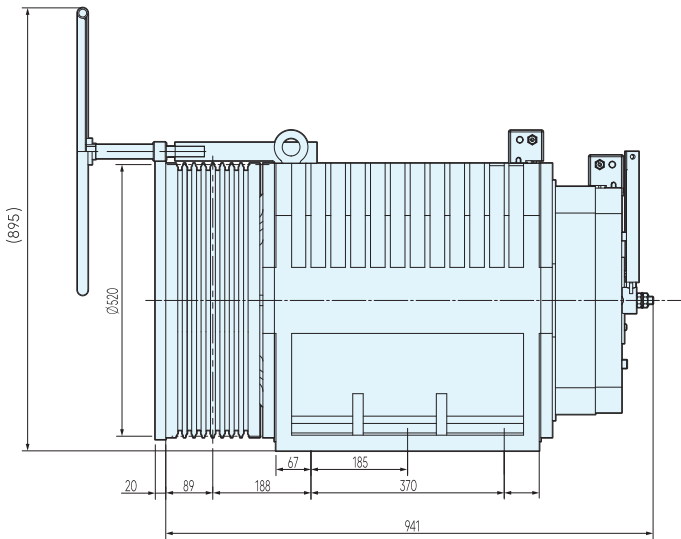
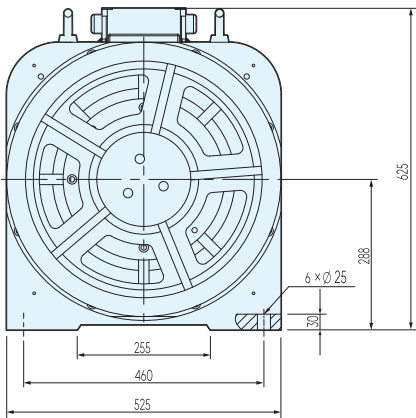
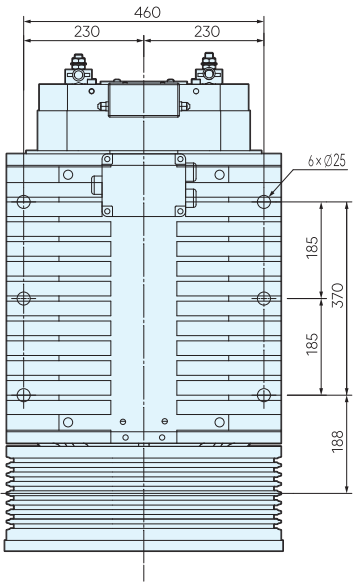
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MONA450 $\phi 520$

MONA 1:1 Series Permanent Magnet Synchronous Gearless Traction Machine



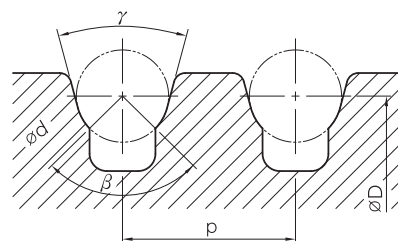
Traction Ratio		1:1
Load Capacity		450~1,600kg
Speed		0.5~2.0m/s
Max Axle Load		12,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		2.5A x 2
Sheave Dia		$\phi 520$
Rope		$\phi 12$ [p19]
Poles		32P
Weight		900kg



MONA450 ϕ 520

MONA 1:1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
450~1,600kg	520	12	19	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
1:1	450	0.5	1.5	11	18	4.8	380	780	32	520	$\phi 12 \times 3 \sim 9$ [p19]
		0.75	2.3	11	28	7.5					
		1.0	3.0	11	37	9.9					
		1.5	4.5	11	55	14.7					
		1.75	5.2	16	64	17.1					
		2.0	6.0	16	73	19.5					
	550	0.5	1.75	11	18	4.8	380	970	32	520	$\phi 12 \times 3 \sim 9$ [p19]
		0.75	2.8	11	28	7.5					
		1.0	3.8	11	37	9.9					
		1.5	5.6	13	55	14.7					
		1.75	6.5	20	64	17.1					
		2.0	7.4	20	73	19.5					
	630	0.5	2.1	11	18	4.8	380	1,110	32	520	$\phi 12 \times 3 \sim 9$ [p19]
		0.75	3.3	11	28	7.5					
		1.0	4.3	11	37	9.9					
		1.5	6.4	15	55	14.7					
		1.75	7.4	23	64	17.1					
		2.0	8.5	23	73	19.5					
	800	0.5	2.7	14	18	4.8	380	1,440	32	520	$\phi 12 \times 3 \sim 9$ [p19]
		0.75	4.2	14	28	7.5					
		1.0	5.6	14	37	9.9					
		1.5	8.3	20	55	14.7					
		1.75	9.7	30	64	17.1					
		2.0	11.0	30	73	19.5					
	1,000	0.5	3.4	17	18	4.8	380	1,800	32	520	$\phi 12 \times 3 \sim 9$ [p19]
		0.75	5.3	17	28	7.5					
		1.0	7.0	17	37	9.9					
		1.5	10.4	24	55	14.7					
		1.75	12.1	32	64	17.1					
		2.0	13.8	32	73	19.5					
	1,150	0.5	3.8	20	18	4.8	380	2,000	32	520	$\phi 12 \times 3 \sim 9$ [p19]
		0.75	5.9	20	28	7.5					
		1.0	7.7	20	37	9.9					
		1.5	11.5	27	55	14.7					
		1.75	13.4	36	64	17.1					
		2.0	15.3	36	73	19.5					
	1,275	0.5	4.2	22	18	4.8	380	2,210	32	520	$\phi 12 \times 3 \sim 9$ [p19]
		0.75	6.5	22	28	7.5					
		1.0	8.6	22	37	9.9					
		1.5	12.7	32	55	14.7					
		1.75	14.8	39	64	17.1					
		2.0	16.9	39	73	19.5					
	1,350	0.5	4.4	23	18	4.8	380	2,340	32	520	$\phi 12 \times 3 \sim 9$ [p19]
		0.75	6.9	23	28	7.5					
		1.0	9.1	23	37	9.9					
		1.5	13.5	34	55	14.7					
		1.75	15.7	41	64	17.1					
		2.0	17.9	41	73	19.5					
	1,600	0.5	5.1	28	18	4.8	380	2,700	32	520	$\phi 12 \times 3 \sim 9$ [p19]
		0.75	7.9	28	28	7.5					
		1.0	10.5	28	37	9.9					
		1.5	15.5	39	55	14.7					
		1.75	18.1	39	64	17.1					
		2.0	20.6	48	73	19.5					

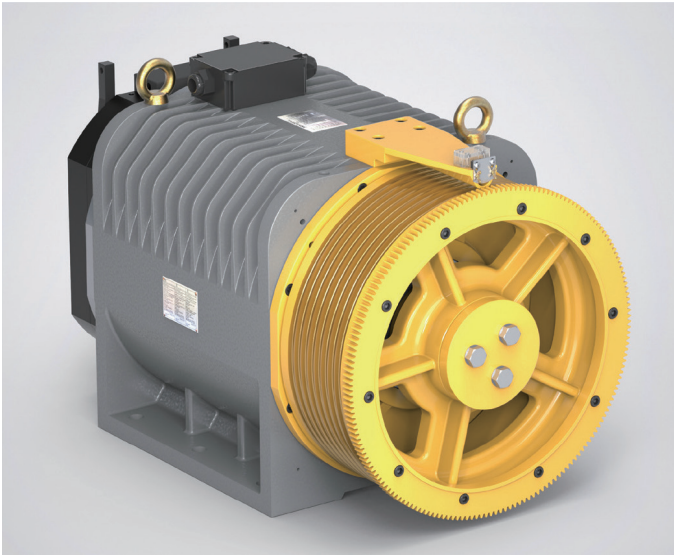
* 주) 제품의 성능향상을 위해 예고 없이 사양이 변경될 수 있습니다. Specification can be changed without prior notice for product improvement.

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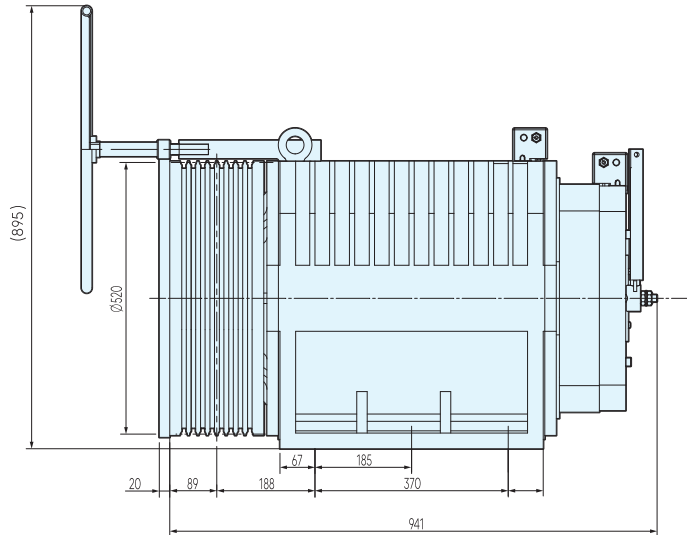
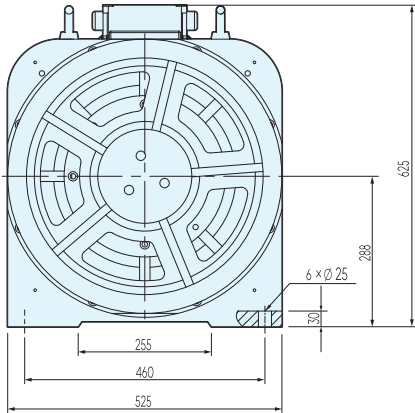
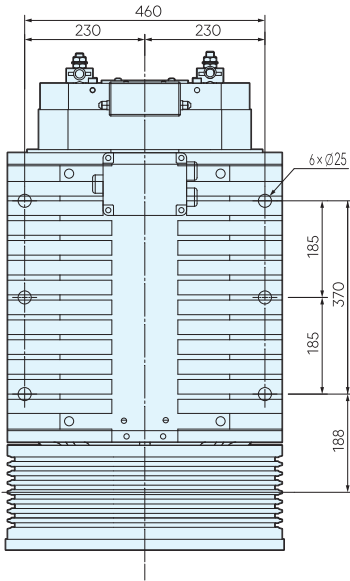
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MONA450 $\phi 520$

MONA 2 : 1 Series Permanent Magnet Synchronous Gearless Traction Machine



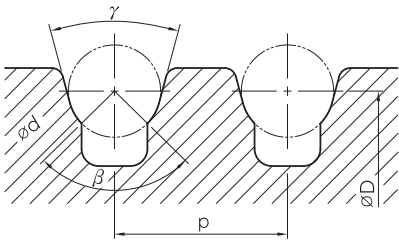
Traction Ratio		2:1
Load Capacity		2,000~3,000kg
Speed		0.5~1.0m/s
Max Axle Load		12,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 80V
Brake Current		2.5A x 2
Sheave Dia		$\phi 520$
Rope		$\phi 12$ [p19]
Poles		32P
Weight		900kg



MONA450 ϕ 520

MONA 2 :1 Series Permanent Magnet Synchronous Gearless Traction Machine

Groove Profile Size (mm)					
Load	ϕD	ϕd	p	β	γ
2,000~3,000kg	520	12	19	95°	25°/30°
				105°	25°



Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	ϕ	Rope Dia x Qty [Pitch]
2:1	2,000	0.5	7.0	17	37	9.9	380	1,800	32	520	$\phi 12 \times 7-9$ [p19]
		0.75	10.4	24	55	14.7					
		1.0	13.8	32	73	19.5					
	2,500	0.5	8.6	22	37	9.9	380	2,210	32	520	$\phi 12 \times 7-9$ [p19]
		0.75	12.7	32	55	14.7					
		1.0	16.9	39	73	19.5					
	3,000	0.5	10.5	28	37	9.9	380	2,700	32	520	$\phi 12 \times 7-9$ [p19]
		0.75	15.5	39	55	14.7					
		1.0	20.6	48	73	19.5					

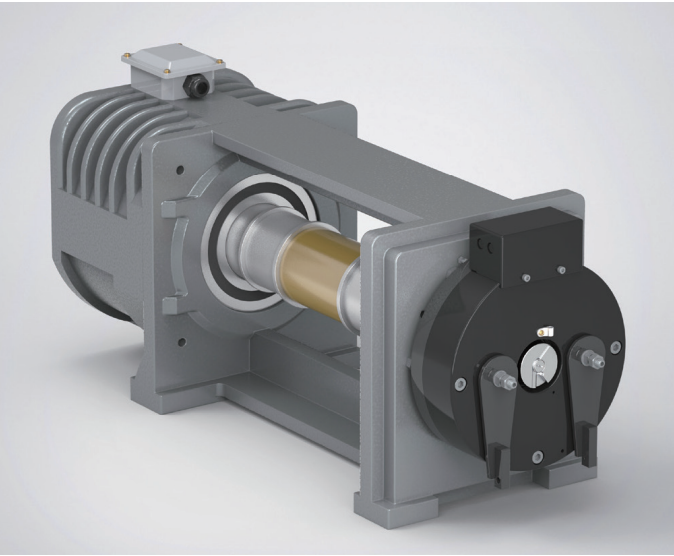
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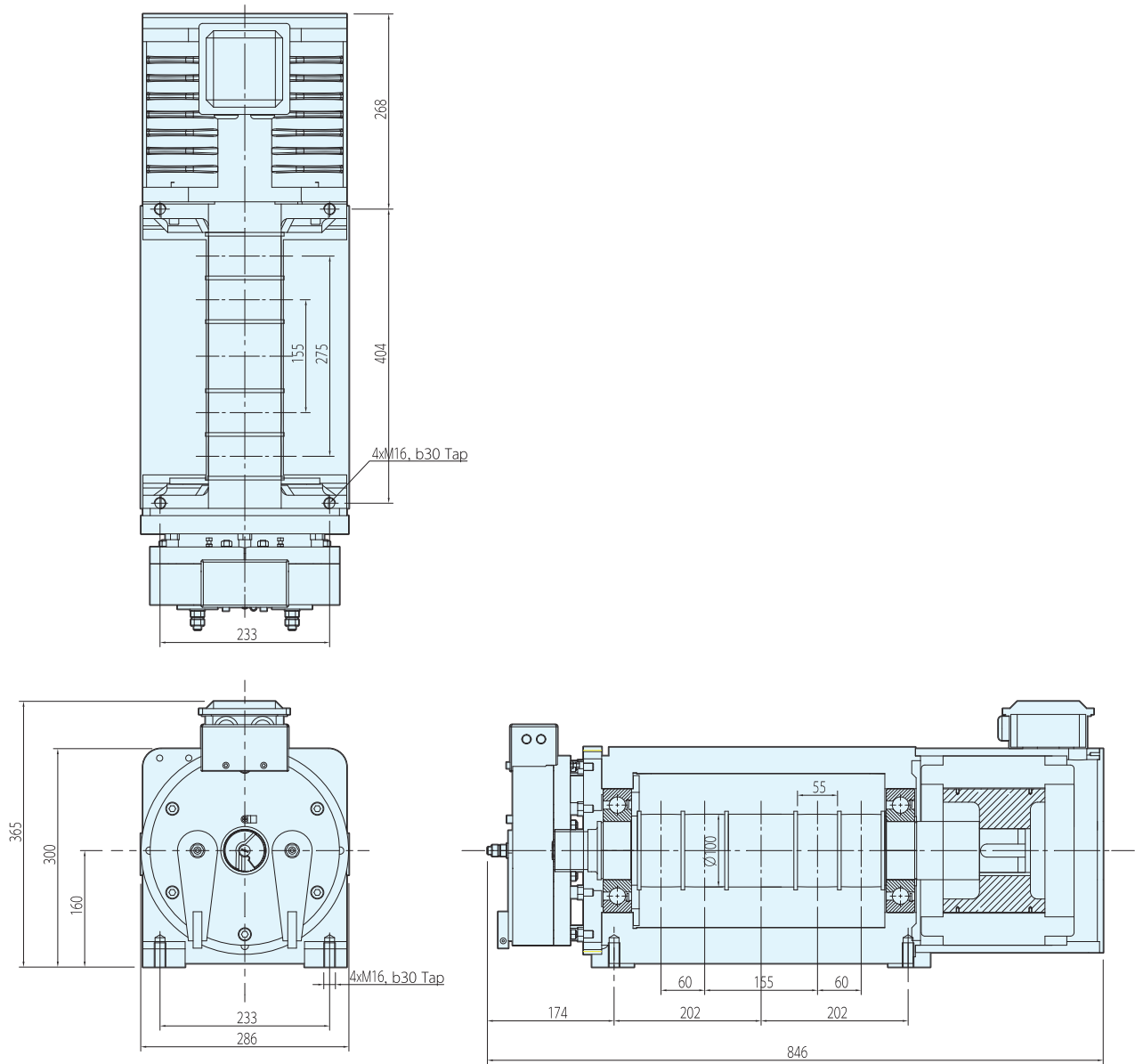
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

MGD100C $\phi 100$

OTHER Series Permanent Magnet Synchronous Gearless Traction Machine



Traction Ratio		2:1
Load Capacity		320~1,150kg
Speed		0.5~1.75m/s
Max Axle Load		3,000kg
Duty		S5-40% ED
Brake Voltage	Open	DC 110V
	Hold	DC 70V
Brake Current		1.2Ax2
Sheave Dia		$\phi 100$
Belt Type		SYLG-EB-43A
Poles		16P
Weight		160kg



MGD100C ϕ 100

OTHER Series Permanent Magnet Synchronous Gearless Traction Machine

벨트사양표 (SYLG-EB-43A / SHENYANG BLUELIGHT GCSB 43KN DWG-AAA717AM2)

Item	Unit	Target	Max	Min
Thickness	mm	3.3	3.4	3.1
Width	mm	30	31	29.5
Elongation at Break	%	0.35		

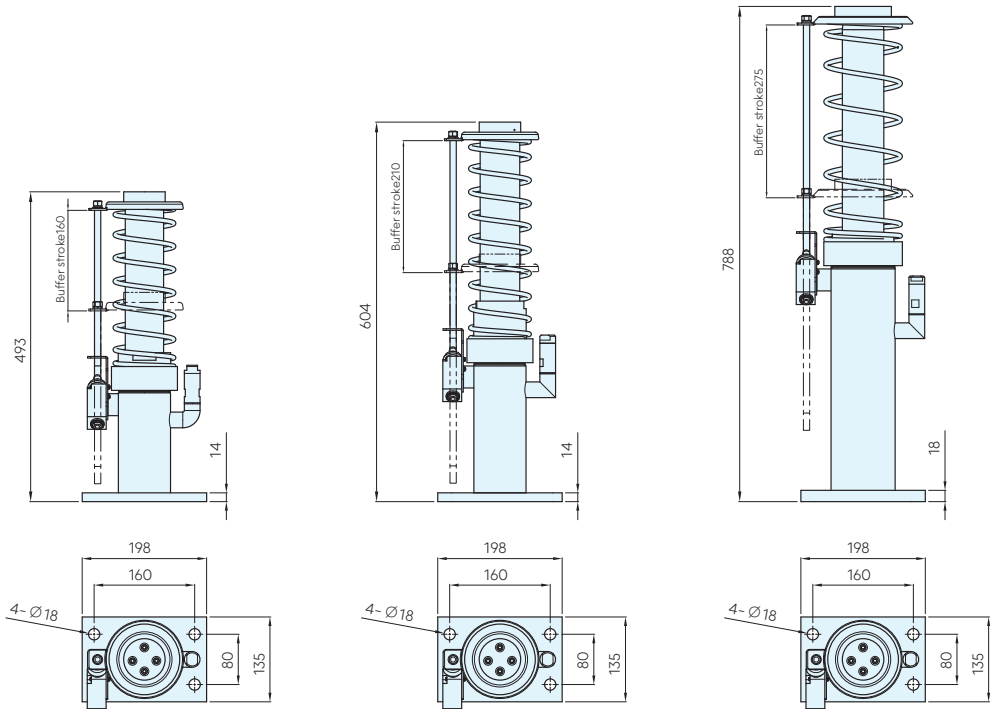
Roping	Elevator Load	Elevator Speed	Power	Current	Revolution	Frequency	Voltage	Torque	Poles	Sheave Diam	Sheave Groove
	kg	m/s	kW	A	rpm	Hz	V	N·m	P	∅	Rope Dia x Qty [Pitch]
2:1	320	0.5	1.0	2	191	25.5	380	50	16	100	2ea
		0.75	1.5	4	286	38.1					
		1.0	2.0	4	382	50.9					
		1.5	3.0	7	573	76.4					
		1.75	3.5	7	668	89.1					
	450	0.5	1.6	4	191	25.5	380	80	16	100	2ea
		0.75	2.4	7	286	38.1					
		1.0	3.2	7	382	50.9					
		1.5	4.8	11	573	76.4					
		1.75	5.6	11	668	89.1					
	550	0.5	1.8	4	191	25.5	380	90	16	100	3ea
		0.75	2.7	8	286	38.1					
		1.0	3.6	8	382	50.9					
		1.5	5.4	13	573	76.4					
		1.75	6.3	13	668	89.1					
	630	0.5	2.2	5	191	25.5	380	110	16	100	3ea
		0.75	3.3	9	286	38.1					
		1.0	4.4	9	382	50.9					
		1.5	6.6	16	573	76.4					
		1.75	7.7	16	668	89.1					
	800	0.5	2.6	7	191	25.5	380	130	16	100	4ea
		0.75	3.9	12	286	38.1					
		1.0	5.2	12	382	50.9					
		1.5	7.8	20	573	76.4					
		1.75	9.1	20	668	89.1					
	1,000	0.5	3.4	9	191	25.5	380	170	16	100	4ea
		0.75	5.1	16	286	38.1					
		1.0	6.8	16	382	50.9					
		1.5	10.2	26	573	76.4					
		1.75	11.9	26	668	89.1					
	1,150	0.5	4.0	10	191	25.5	380	200	16	100	4ea
		0.75	6.0	19	286	38.1					
		1.0	8.0	19	382	50.9					
		1.5	12.0	29	573	76.4					
		1.75	14.0	29	668	89.1					

* 주) 제품의 성능향상을 위해 예고 없이 사양이 변경될 수 있습니다. Specification can be changed without prior notice for product improvement.
* 적재하중별 로프 안전율, 권상 능력을 고려한 홈 각도와 로프 줄 수를 선정해 주세요, 발주 시 별도의 홈 각도 지정이 없는 경우, 당사 보유 조건을 기준 출고 진행됩니다.
Please select the groove angle and number of ropes based on the rope safety factor and hoisting capacity for each load. If no specific groove angle is specified at the time of order, the product will be shipped based on our standard specifications.

Oil Buffer



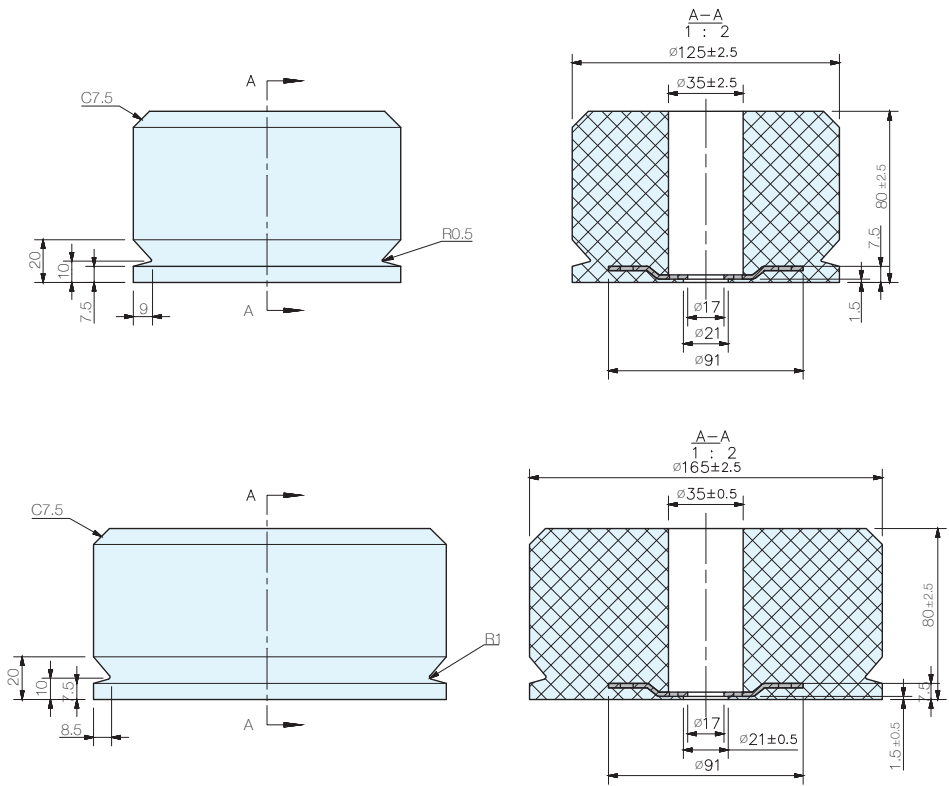
제품명	적용중량	정격속도	인증번호
HYF-160	1,000~3,200kg	~1.5m/s	AAD08-R005-22001
HYF-210	1,000~3,200kg	~1.75m/s	AAA08-R005-22002
HYF-275	1,000~3,200kg	~2.0m/s	AAA08-R005-22003



PU Buffer



제품명	적용중량	정격속도	인증번호
DD-CE-03	650~3,500kg	~1.0m/s	AAD08-R002-23002
DD-CE-04	800~5,000kg	~1.0m/s	AAA08-R002-23003



ROPING GRAPH

1:1 Roping Scope

1 : 1	SPEED				
	0.5	1.0	1.5	1.75	2.0
LOAD	320	MCK200			
	450	MCK200			
		MCK500X			
		MCK500			
		MONA450			
	500	MDD410B			
	550	MCK200			
		MCK300E			
		MONA450			
		MDD410B			
	630	MCK200			
		MCK300E			
		MCK500X			
		MCK500			
		MCK520			
		MONA450			
	750	MDD410B			
		MCK300E			
	800	MCK500X			
		MCK500			
		MCK520			
		MONA450			
	830	MDD410B			
		MCK300E			
	1,000	MCK500X			
		MCK500			
		MCK520			
		MONA450			
	1,150	MDD410B			
		MCK500X			
		MCK520			
		MONA450			
	1,275	MONA450			
		MCK520			
	1,350	MONA450			
	1,600	MONA450			

2:1 Roping Scope

2 : 1	SPEED							
	0.25	0.5	0.75	1.0	1.5	1.75	2.0	2.5
LOAD	320	MONA320						
		MGD100C						
	450	MCK200						
		MONA320						
		MGD100C						
	550	MCK200						
		MGD100C						
	630	MCK200						
		MONA320						
		MONA400						
	800	MGD100C						
		MCK200						
		MCK500X						
		MONA320						
	900	MONA400						
		MGD100C						
	1,000	MCK500X						
		MCK200						
		MCK500						
		MONA320						
	1,150	MONA400						
		MGD100C						
		MCK200						
		MCK300E						
		MCK500						
	1,275	MONA320						
		MONA400						
		MCK500						
		MCK300E						
	1,350	MCK520						
		MONA400						
		MCK300E						
	1,500	MCK520						
		MCK500						
		MCK500X						
	1,600	MCK520						
		MONA400						
	1,660	MCK300E						
	1,800	MCK500						
		MCK500X						
		MCK520						
	2,000	MONA400						
		MCK500						
		MCK500X						
	2,300	MCK520						
		MONA450						
	2,500	MCK520						
		MONA450						
	3,000	MCK520						
		MONA450						
	3,500	MGK640						
		MGK640						
	4,000	MGK640						
		MGK640						
	4,500	MGK640						
		MGK640						
	5,000	MGK640						

MEMO