K2Kone

Elevator - Crane - Hoist

KOREA

올리다 당신의

라이프스타일

ELEVATE YOUR *Lifestyle*

회사 소개 About us

우리는 단순한 기업이 아닙니다. 우리는 귀하의 고유한 요구 사항에 맞는 솔루션을 제공하기 위해 끊임없이 노력하는 헌신적인 팀입니다.

맞춤형 엘리베이터 솔루션을 전문으로 하는 당사는 기계실 축소부터 머리 위 견인 시스템까지 모든 것을 처리합니다. 유럽, 미국, 한국, 중국 센터의 최첨단 디자인과 글로벌 전문 지식을 바탕으로 새로운 프로젝트와 현대화를 위한 유연하고 혁신적인 솔루션을 보장합니다.

엘리베이터 기술 및 기타 다양한 시장의 리더로서 우리는 지속적이고 비용 효율적인 고품질 솔루션을 제공하는 데 자부심을 갖고 있습니다. K2Kone에서는 전통과 혁신을 결합하여 신뢰할 수 있는 서비스와 탁월한 결과로 귀하의 비전을 현실로 바꿔드립니다.

함께 특별한 것을 만들어 봅시다!

We're not just another business—we're a dedicated team, working tirelessly to deliver solutions tailored to your unique needs.

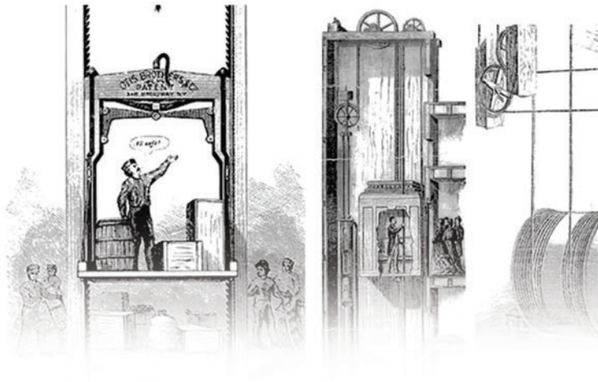
Specializing in custom elevator solutions, we handle everything from machine room less to overhead traction systems. With cutting-edge designs and global expertise from European, U.S., Korean, and Chinese centers, we ensure flexible and innovative solutions for new projects and modernizations.

As leaders in elevator technology and various other markets, we pride ourselves on delivering high-quality, cost-effective solutions that last. At K2Kone, we blend tradition with innovation, turning your vision into reality with dependable service and exceptional results.

Let's create something extraordinary together!

Our Mission

"At K2 Kone, our mission is to transform vertical transportation by delivering lift systems that prioritize safety, efficiency, and innovation. Leveraging cutting-edge Korean technology, we are dedicated to designing and manufacturing state-of-the-art elevators that ensure the highest standards of safety and reliability. Our commitment to rigorous safety protocols, combined with exceptional performance and customer satisfaction, drives us to exceed industry expectations and create lift solutions that contribute to safer, smarter, and more accessible environments worldwide."



Key Components of This Mission Statement:

1.Transform Vertical Transportation: Highlights the company's goal of leading industry innovation.

2. Prioritize Safety, Efficiency, and Innovation: Emphasizes the core values of the company.

3. Cutting-Edge Korean Technology: Underlines the use of advanced technology from Korea.

4. **Designing and Manufacturing State-of-the-Art Elevators:** Specifies the company's focus on high-quality lift systems.

5. **Highest Standards of Safety and Reliability:** Ensures that safety is a primary concern.

6. **Rigorous Safety Protocols:** Shows a commitment to detailed and stringent safety measures.

7. **Exceptional Performance and Customer Satisfaction:** Reflects dedication to high performance and meeting customer needs.

8. **Safer, Smarter, and More Accessible Environments:** Indicates the broader impact of the company's products on building environments.

K2Kone
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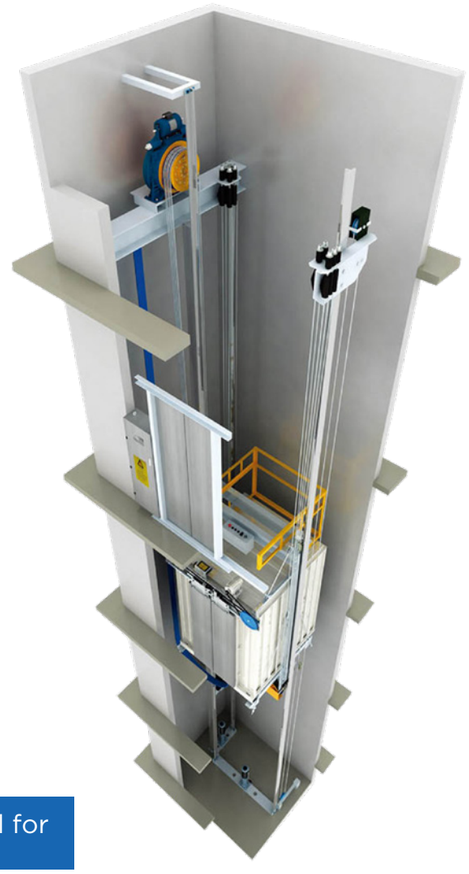
GEARLESS MACHINES

기어리스 기계



GEARLESS MACHINE

A lift with a gearless machine is quite special for several reasons:

1. **Smooth Operation:** Gearless machines use a direct drive system, which means there are no gears involved in the operation. This results in a smoother and quieter ride compared to traditional geared elevators.

2. **Energy Efficiency:** Gearless systems are typically more energy-efficient. They use less power because they eliminate the mechanical losses that occur with gears. This can translate into lower operating costs and a smaller environmental footprint.

3. **Reduced Maintenance:** With fewer moving parts and no gears to wear out, gearless machines generally require less maintenance. This can lead to lower maintenance costs and reduced downtime.choice for modern high-rise and commercial buildings

4. **High-Speed Capability:** Gearless machines are capable of operating at higher speeds compared to geared systems. This makes them well-suited for high-rise buildings where rapid elevator travel is essential.

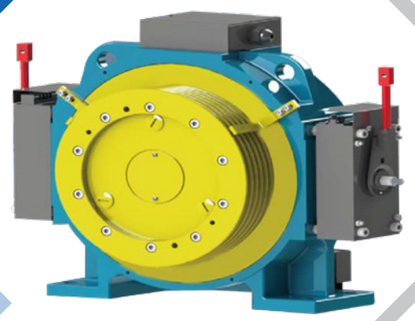
5. **Space Efficiency:** Because gearless machines are more compact than traditional geared systems, they take up less space. This can be particularly beneficial in buildings where space is at a premium.

6. **Longer Lifespan:** Gearless machines tend to have a longer lifespan due to the reduced wear and tear on components. This makes them a reliable choice for elevators that see heavy use.

Overall, gearless lift machines offer a blend of efficiency, reliability, and performance that makes them a popular choice for modern high-rise and commercial buildings

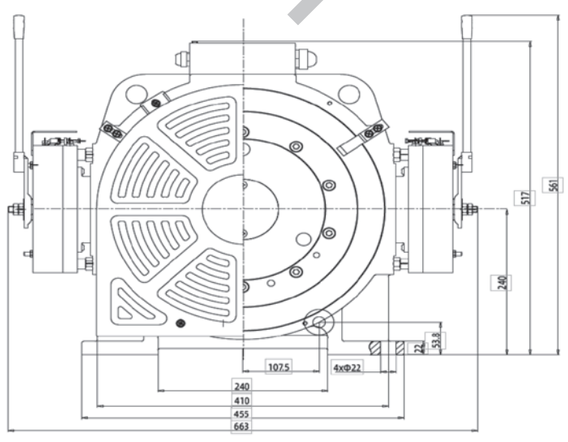
K2K-GL-2

ϕ 320, 300kg - 600kg



TYPE DESCRIPTION

Machine Type	K2K-GL-2
SSL	2800kg
Poles	32
Starts Per Hour	240
Brake Type	MEKB
Insulation Class	F
Enclosure Class	IP40
Rating	S5-4%

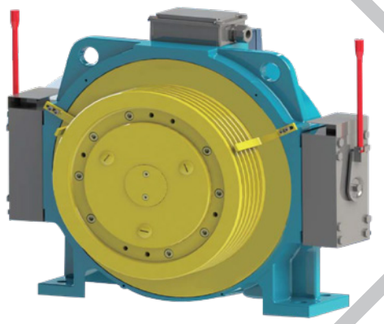


SPECIFICATION SHEET

Type	Load (kg)	Speed (m/s)	Roping	Motor Parameters					Break Parameters				Sheve Parameters					
				Rates Power (kw)	Rated Torque (N.m)	Rated Speed (RPM)	Rated Frequency (Hz)	Rated Current (Hz)	Current (A)	Voltage (V)	Rated Power (W)	Breaking Torque (N.m)	nxd (mm)	Diameter (mm)	Pitch (mm)	ß	Y
300/050	300	0.5	2:1	1.1	175	60	16	2.6	2X1.04	DC110	2X114	≥2X219	3Xϕ8	320	12	95	30
300/110		1.1	2:1	2.2		120	32	5.2									
300/160		1.6	2:1	3.1		191	50.9	9									
450/050	450	0.5	2:1	1.5	230	60	16	3.5	2X1.04	DC110	2X114	≥2X288	4Xϕ8	320	12	95	30
450/110		1.1	2:1	3		120	32	6.8									
450/160		1.6	2:1	4.6		191	50.9	12									
600/050	650	0.5	2:1	2	320	60	16	4.7	2X1.04	DC110	2X114	≥2X400	5Xϕ8	320	12	95	30
600/110		1.1	2:1	4		120	32	10									
600/160		1.6	2:1	6.4		191	50.9	16.5									

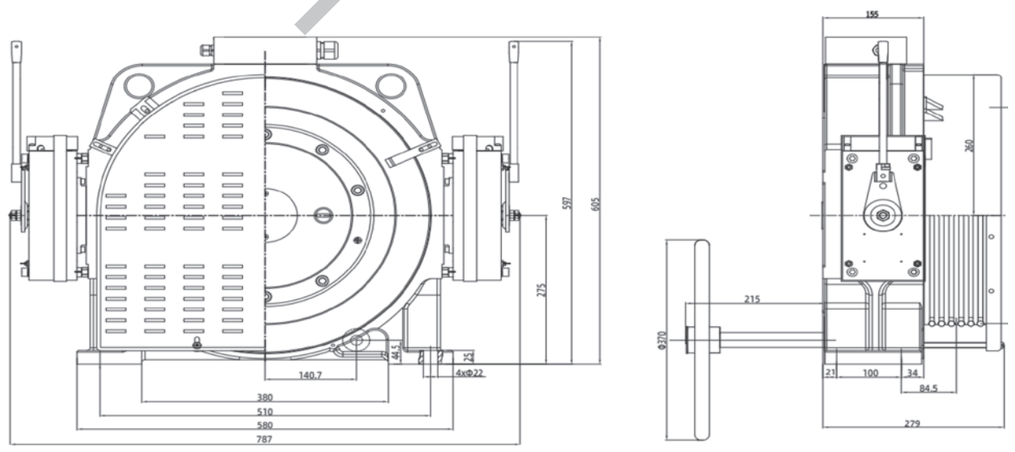
K2K-GL-3

ϕ 400, 600kg - 1000kg



TYPE DESCRIPTION

Machine Type	K2K-GL-3
SSL	4000kg
Poles	32
Starts Per Hour	240
Brake Type	MEKB
Insulation Class	F
Enclosure Class	IP40
Rating	S5-4%

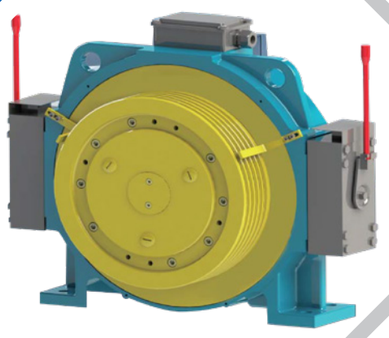


SPECIFICATION SHEET

Type	Load (kg)	Speed (m/s)	Roping	Motor Parameters					Break Parameters				Sheve Parameters					
				Rates Power (kw)	Rated Torque (N.m)	Rated Speed (RPM)	Rated Frequency (Hz)	Rated Current (A)	Current (A)	Voltage (V)	Rated Power (W)	Breaking Torque (N.m)	nxd (mm)	Diameter (mm)	Pitch (mm)	ß	Y
600/050	600	0.5	2:1	2	400	48	12.8	4.8	2X1.15	DC110	2X129	≥2X710	5Xϕ8	400	12	95	30
600/110		1.1	2:1	4		96	25.6	9.6									
600/160		1.6	2:1	6.4		153	40.8	14.5									
1000/050	1000	0.5	2:1	3.2	640	48	12.8	7.8	2X1.15	DC110	2X129	≥2X710	5Xϕ10	400	16	95	30
1000/110		1.1	2:1	6.4		96	25.6	15									
1000/160		1.6	2:1	10		153	40.8	22									
1000/200		2	2:1	13.5		189	50.4	31.5									
1000/250		2.5	2:1	17		240	64	39									

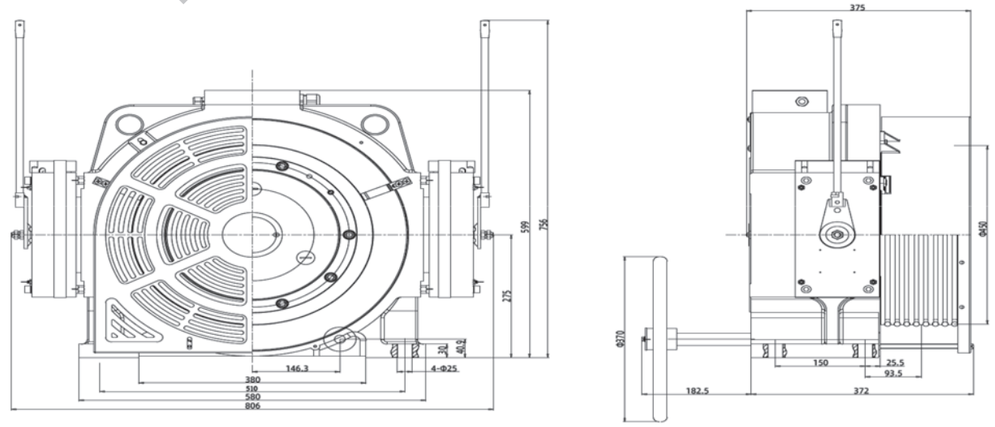
K2K-GL-4

ϕ 450 - 1350 - 1600kg



TYPE DESCRIPTION

Machine Type	K2K-GL-4
SSL	6000kg
Poles	32
Starts per Hour	240
Brake Type	MEKB
Insulation Class	F
Enclosure Class	IP40
Rating	S5-40%

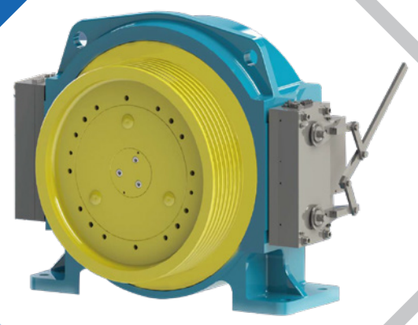


SPECIFICATION SHEET

Type	Load (kg)	Speed (m/s)	Roping	Motor Parameters					Break Parameters				Sheve Parameters					
				Rates Power (kw)	Rated Torque (N.m)	Rated Speed (RPM)	Rated Frequency (Hz)	Rated Current (A)	Current (A)	Voltage (V)	Rated Power (W)	Breaking Torque (N.m)	nxd (mm)	Diameter (mm)	Pitch (mm)	ß	Y
1350/050	1350	0.5	2:1	4.5	960	43	11.4	10	2X1.15	DC110	2X180	≥2X1200	7Xϕ10	450	16	95	30
1350/110		1.1		9		85	22.8	20									
1350/160		1.6		13.9		135	36	30									
1350/200		2		17		170	45.3	40									
1350/250		2.5		21.5		212	56.5	49									
1000/050	1600	0.5	2:1	5	1140	43	11.4	12	2X1.64	DC110	2X180	≥2X1425	8Xϕ10	450	16	95	30
1000/110		1.1		10		85	22.8	23									
1000/160		1.6		16.2		135	36	33.5									
1000/200		2		21		170	45.3	47									
1000/250		2.5		36		212	56.5	57									

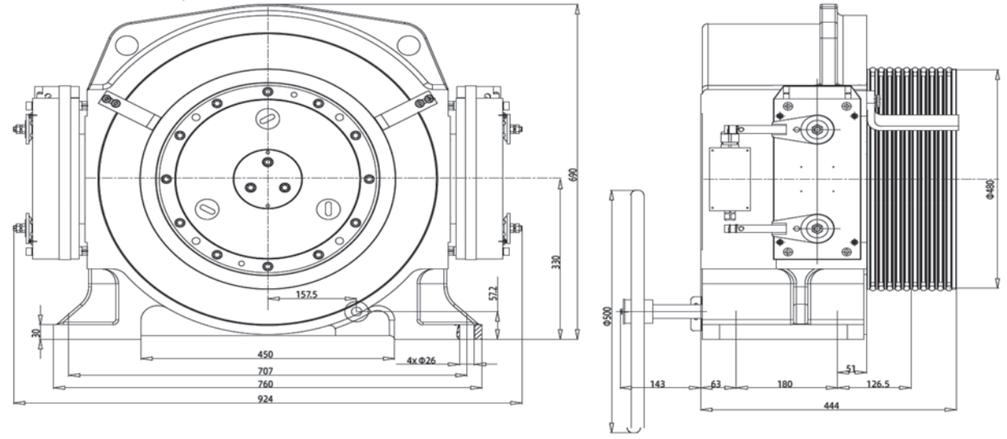
K2K-GL-5

ϕ 480 - 2000 - 2500kg



TYPE DESCRIPTION

Machine Type	K2K-GL-5
SSL	8000kg
Poles	32
Starts per Hour	240
Brake Type	MEKB
Insulation Class	F
Enclosure Class	IP40
Rating	S5-40%



SPECIFICATION SHEET

Type	Load (kg)	Speed (m/s)	Roping	Motor Parameters					Break Parameters				Sheve Parameters					
				Rates Power (kw)	Rated Torque (N.m)	Rated Speed (RPM)	Rated Frequency (Hz)	Rated Current (A)	Current (A)	Voltage (V)	Rated Power (W)	Breaking Torque (N.m)	nxd (mm)	Diameter (mm)	Pitch (mm)	ß	Y
2000/050	2000	0.5	2:1	6.4	1530	40	40	16	2X2.1	DC110	2X231	≥2X1913	7Xϕ12	480	18	95	30
2000/110		1.1		12.7		80	80	30									
2000/160		1.6		20.75		129	32	45									
2000/200		2		15.5		159	42.4	58									
2000/250		2.5		32		199	43.1	49									
2500/050	2500	0.5	2:1	8	1920	40	10.7	20	2X2.1	DC110	2X231	≥2X2400	7Xϕ10	480	16	95	30
2500/110		1.1		16		80	21.3	37									
2500/160		1.6		23.8		129	32	56									
2500/200		2		32		159	42.4	73									
2500/250		2.5		40		199	53.1	95									

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MACHINE ROOM LESS (MRL)

기계실 축소

MACHINE ROOM LESS (MRL)

A “loom-less” lift machine, also known as a “gearless” or “traction” machine, has several special characteristics that distinguish it from traditional geared lift machines:

1. **Direct Drive System:** In loom-less (gearless) machines, the motor is directly connected to the sheave (the pulley that the lift cables run over). This direct drive system eliminates the need for intermediate gears, resulting in a more efficient and quieter operation.

2. **Smooth Ride Quality:** Without the gear mechanism, gearless machines provide a much smoother and quieter ride. This is particularly beneficial in high-rise buildings where comfort and noise reduction are important.

3. **High-Speed Performance:** Gearless machines can operate at higher speeds compared to geared systems. This makes them ideal for skyscrapers and high-rise buildings where rapid elevator travel is necessary.

4. **Energy Efficiency:** The absence of gears reduces energy losses associated with mechanical friction. Gearless machines tend to be more energy-efficient, leading to lower operating costs and a smaller carbon footprint.

5. **Reduced Maintenance:** With fewer moving parts (no gears to wear out), gearless machines generally require less maintenance. This can result in lower maintenance costs and greater reliability.

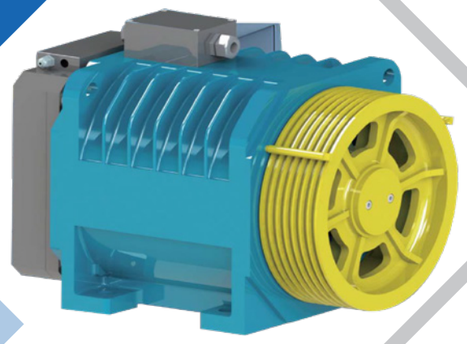
6. **Longevity:** The reduced wear and tear associated with gearless machines often translates to a longer lifespan. This makes them a durable choice for buildings with high traffic.

7. **Compact Design:** Gearless machines are often more compact than geared systems, which can save space in the machine room. This is advantageous in buildings where space is a premium.

Overall, gearless (loom-less) lift machines offer enhanced performance, efficiency, and comfort, making them a preferred choice for modern high-rise and commercial applications.

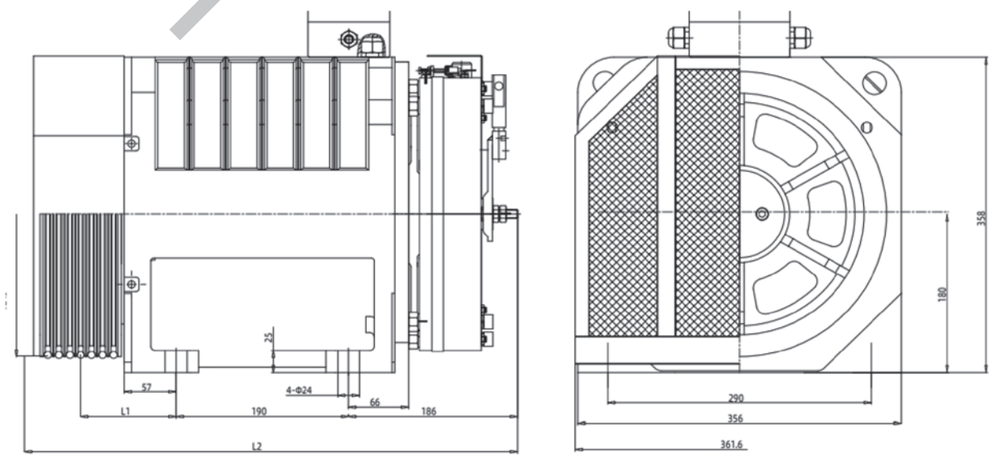
K2K-MRL-2

ϕ 240, 450kg - 1250kg



TYPE DESCRIPTION

Machine Type	K2K-MRL-2
SSL	3800kg
Poles	20
Starts Per Hour	240
Brake Type	MEPB
Insulation Class	F
Enclosure Class	IP40
Rating	S5-4%



SPECIFICATION SHEET

Type	Load (kg)	Speed (m/s)	Roping	Motor Parameters					Break Parameters				Sheve Parameters					
				Rates Power (kw)	Rated Torque (N.m)	Rated Speed (RPM)	Rated Frequency y (Hz)	Rated Current (A)	Current (A)	Voltage (V)	Rated Power (W)	Breaking Torque (N.m)	nxd (mm)	Diameter (mm)	Pitch (mm)	ß	Y
400/050	400	0.5	2:1	1.4	173	80	13.3	4	2X1.17	DC110	2X129	≥2X216	4Xϕ8	240	12	95	30
400/100		1	2:1	2.9		160	26.7	6.7									
400/150		1.5	2:1	4.3		240	40	10									
600/050	600	0.5	2:1	2	240	80	13.3	4.8	2X1.17	DC110	2X129	≥2X300	5Xϕ8	240	16	95	30
600/100		1	2:1	4		160	26.7	9.6									
600/150		1.5	2:1	6		240	40	14									
1000/050	1000	0.5	2:1	3.2	383	80	13.3	7.8	2X1.17	DC110	2X129	≥2X479	7Xϕ8	240	12	95	30
1000/100		1	2:1	6.4		160	26.7	15									
1000/150		1.5	2:1	9.5		240	40	22									
1200/050	1200	0.5	2:1	4	480	80	13.3	9.3	2X1.17	DC110	2X129	≥2X600	9Xϕ8	240	16	95	30
1200/100		1	2:1	8		160	26.7	18.6									
1200/150		1.5	2:1	12		240	40	27.5									

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GEARED ELEVATOR MACHINE

기어드 엘리베이터
기계

GEARED MACHINE

Certainly! Lift systems with geared machines have their own set of special features and advantages:

1. **Cost-Effectiveness:** Geared machines are generally less expensive to install compared to gearless systems. This makes them a popular choice for buildings where budget constraints are a factor.

2. **Versatility:** Geared systems can be more versatile in terms of load capacities and travel distances. They are suitable for a wide range of applications, from low-rise to mid-rise buildings.

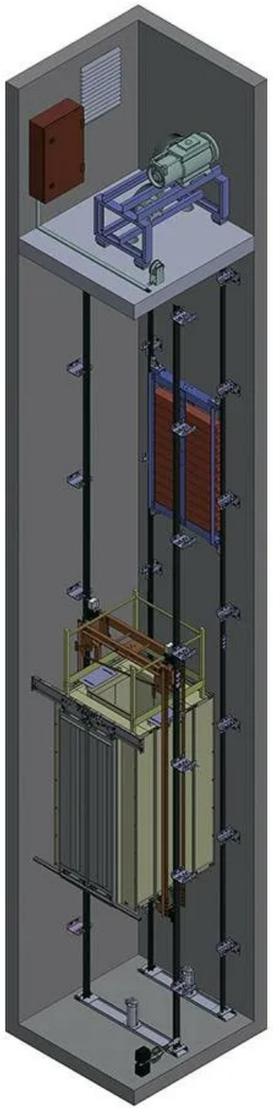
3. **Robustness:** Geared machines are known for their durability. They are designed to handle a variety of operational conditions and can be very reliable when properly maintained.

4. **Simpler Design:** The gear-based drive system is a straightforward mechanical design, which can make repairs and adjustments more straightforward in some cases. This can be advantageous for maintenance and service.

5. **Customizable Speed:** Geared elevators often have more flexibility in adjusting speeds, which can be beneficial for applications where specific travel speeds are required.

6. **Reduced Initial Investment:** While gearless machines offer many benefits, the initial cost of a geared machine is typically lower. This can be appealing for buildings with limited budgets or in situations where cost control is a priority.

Overall, geared lift machines offer a balance of reliability, cost-effectiveness, and versatility, making them a suitable option for many different types of buildings and applications.

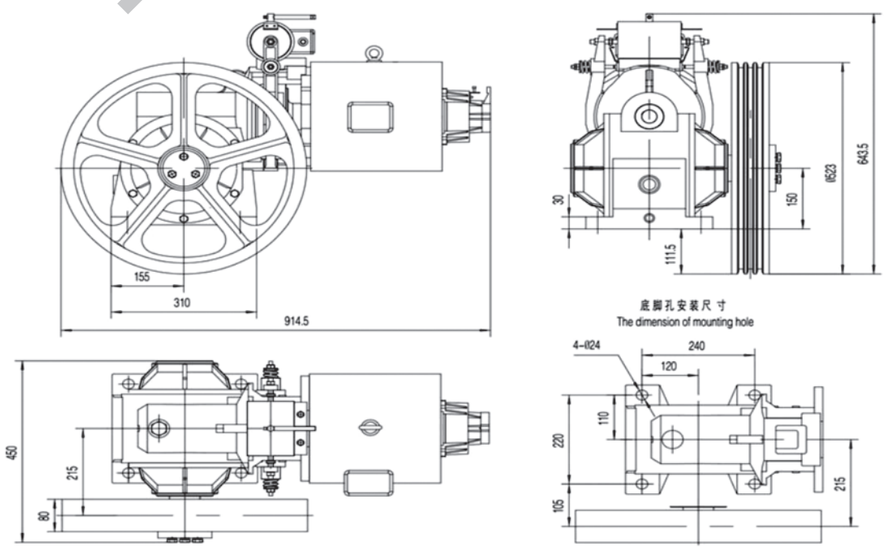


K2K-GD-2

ϕ 500kg - 1250kg

TYPE DESCRIPTION

Machine Type	K2K-GD-2
SSL	5200kg
Poles	6
Ratio	37:1
Brake Type	DC 110
Insulation Class	F
Sheave Position	Left/Right
Weight	200kg



SPECIFICATION SHEET

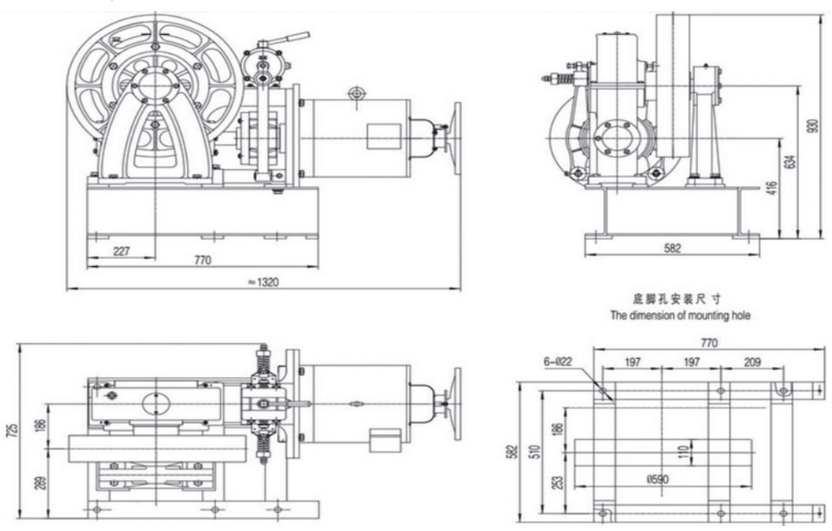
Load	Speed (m/s)	Roping	Motor Parameters					Break Parameters	Sheve Parameters	
			Rates Power (kw)	Pole	Rated Speed (RPM)	Rated Frequency (Hz)	Rated Current (A)	Voltage	Rope (mm)	Sheave Diameter (mm), Groove Num-Groove Pitch (mm)
500	1	1:1	5.5	4	1472	50	9	DC 110	10	ϕ480 - ϕ10 X 4 - 16
1000	0.5	2:1	6.4							
630	1	1:1	5.5	4			11			
1250	0.5	2:1	6.4							

K2K-GD-3

ϕ 586 - 1000 - 2000kg

TYPE DESCRIPTION

Machine Type	K2K-GD-3
SSL	9000kg
Poles	6
Starts per Hour	240
Brake Type	DC 110
Insulation Class	F
Sheave Position	Left/Right
Weight	550kg



SPECIFICATION SHEET

Load	Speed (m/s)	Roping	Motor Parameters					Break Parameters	Sheve Parameters	
			Rates Power (kw)	Pole	Rated Speed (RPM)	Rated Frequency (Hz)	Rated Current (A)	Voltage	Rope (mm)	Sheave Diameter (mm), Groove Num-Groove Pitch (mm)
1000	0.5	1:1	7.5	6	961	50	16	DC 110	13	ф586 - ф13 X 5 - 20
	1	1:1	11				24			
2000	0.5	2:1	7.5	6			16			
	1	2:1	11				24			