

STARK
E L E V A T O R S



**Elevator Gearless
Machines**

The power is not only power, It reflects more

Experience, creativity and our ambitions made an outstanding result which we call it Stark. That is literally translation of Power in German.

Stark gearless motors are manufactured by using high-tech facilities. It is covering all required specification and application for customers.

Stark gearless motor is trying to create a soft and safe vertical movement.

Stark gearless motors based on cutting edge technology of production provide the best solution for both MR and MRL elevators. As always, "Safety goes First". Thus we sourced and selected the highly reliable brakes with high technology that guarantees your full safety in your journey (ups and downs).

Stark gearless motors are manufactured in compliance with international standards (EN81-50, EN81-20)

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Product Description

Housing: Stark permanent magnet synchronous machine designed and produced with high quality alloy. It is developed in special design with heat sink. It is developed for various roping system applications.

Sheaves: High traction sheave with special alloy, designed for the optimum durability. It can be changed optionally based on customer's requested specification such as surface hardening.

Brakes: Dual action and dual circuit braking system. Powerful protection system against over-speed car movement and braking element against unintended car movement (UCM). The brakes are in compliance with EN81-50, EN81-20 and CE marking.

Terminal box: Easy access terminal box to ensure good grounding and easy connection.

Encoder: Wide range of high-tech encoder with wide range of cable length (5m, 7m, 15m). (Heiden Hein brand)

Sheave guard: It covers all the requirements of EN81 in different installation types. Adjustable design.

Shaft: It is produced with high strength alloys and high fatigue resistance alloys

Bearings: High quality Austrian brand bearing.

Winding: High-tech isolation class F

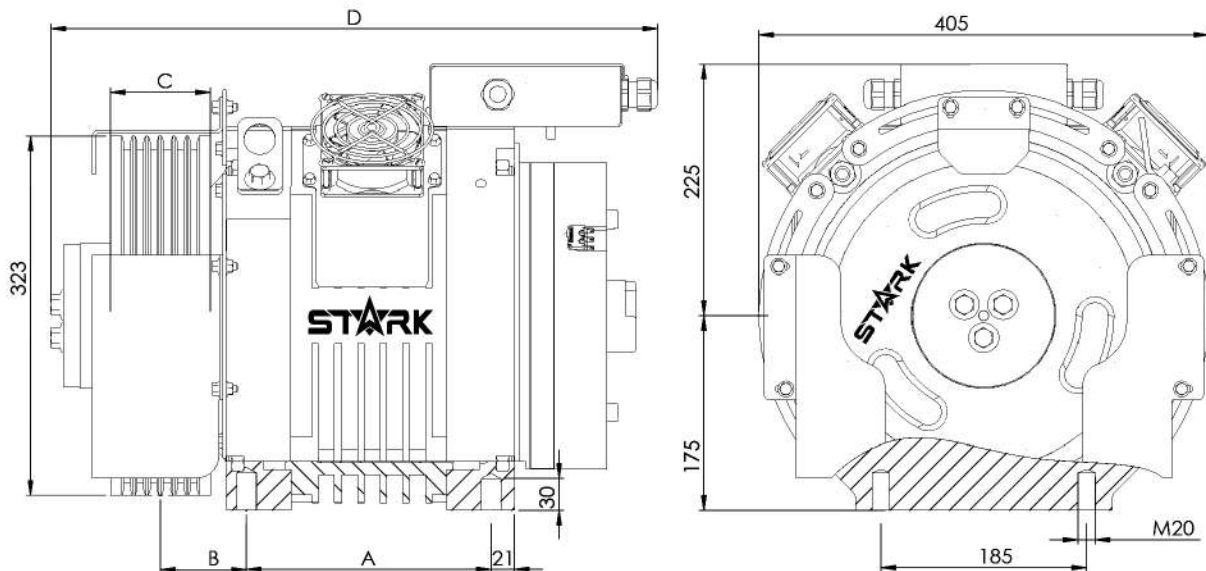
Magnet: Durability and high thermal resistant in shocks

Technical Data:

Type of Machine	Unit	STR-S	STR-S	STR-S	STR-S	STR-M	STR-M	STR-M	STR-M
		450-10	450-16	600-10	600-16	800-10	800-16	1000-10	1000-16
Motor Specification									
Rated Load	kg	480		640		800		1040	
Rated Speed	m/s	1	1.6	1	1.6	1	1.6	1	1.6
Rated Power	kw	3.2	5	4.1	6.4	6.8	9	7	11
Rated Current	A	6.8	9.7	8.3	12.1	11.8	17.2	13.6	22
Rated Voltage	V	370	370	370	370	370	370	370	370
Rated Frequency	Hz	20	32	20	32	20	32	20	32
Rated Torque	N.m	250		320		450		550	
Machine Weight	kg	194		202		228		236	
Elevator Static Load	kg	4400				5200			
Axel Load	kg	2200				2600			
Sheave Data									
Sheave Diameter	mm	320							
Groove Type		U+ Undercut							
Number of Grooves		6				8			
Rope Diameter	mm	8							
Groove Distance	mm	12							
Groove Angel	degree	30							
Undercut Angel	degree	100							
Brake Data									
Model Type		Evo							
Brake Torque	N.m	2*250		2*330		2*450		2*550	
Brake Voltage	VDC	2*(207/103)		2*207		2*207		2*(207/103)	
Brake Current	A	2*(0.62/0.31)		2*0.4		2*0.4		2*(0.6/0.3)	
Brake Air Gap	mm	0.2-0.4							

- ▶ Start Per Hour : 180
- ▶ Insulation Class : F
- ▶ Duty Cycle Type : S3-40
- ▶ Degree of Protection : IP33
- ▶ (Winding Protection/ PTC
- ▶ Standard : En81-20-50
- ▶ CE Certificate

Dimension Drawing:



Motor Type	A	B	C	D
STR-S	220	77	90	546
STR-M	270	77	90	596

▶ Dimensions in Millimeters



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Sweet of Safety

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SCAN ME

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