

Gearless traction machine

无齿曳引机

NUMEN420



产品特点 Product characteristics

额定载重: 2500、5000kg

额定梯速: 1.0、1.6、1.75、2.0、2.5、3.0m/s

最大轴负荷: 20000kg

制动器电流: 7.4A

适配变频器: 3相400V级

制动器电压: 打开电压DC200V, 保持电压DC100V

曳引轮: $\phi 650$

Rated capacity: 2500、5000kg

Rated elevator speed: 1.0、1.5、1.75、2.0、2.5、3.0m/s

Max axle load: 20000kg

Brake current: 7.4A

Applicable converter: 3 phase 400V

Brake voltage: DC200V for brake opening, and DC100V for brake holding

Traction sheave: $\phi 650$

产品描述 Product description

本系列永磁同步无齿曳引机为大载重主机, 产品采用双支撑单绕结构, 曳引轮在两承载轴承之间, 受力更合理。

制动器采用行业成熟的鼓式结构, 制动力矩大, 可靠性高, 维护和调试方便。

独特的内转子结构和优异的磁场设计, 使产品的性能优异, 噪音小, 运行平稳高速。

采用进口轴承, 承载能力大, 寿命更长; 多种编码器安装方式, 满足客户的不同需求, 适用于有机房电梯。

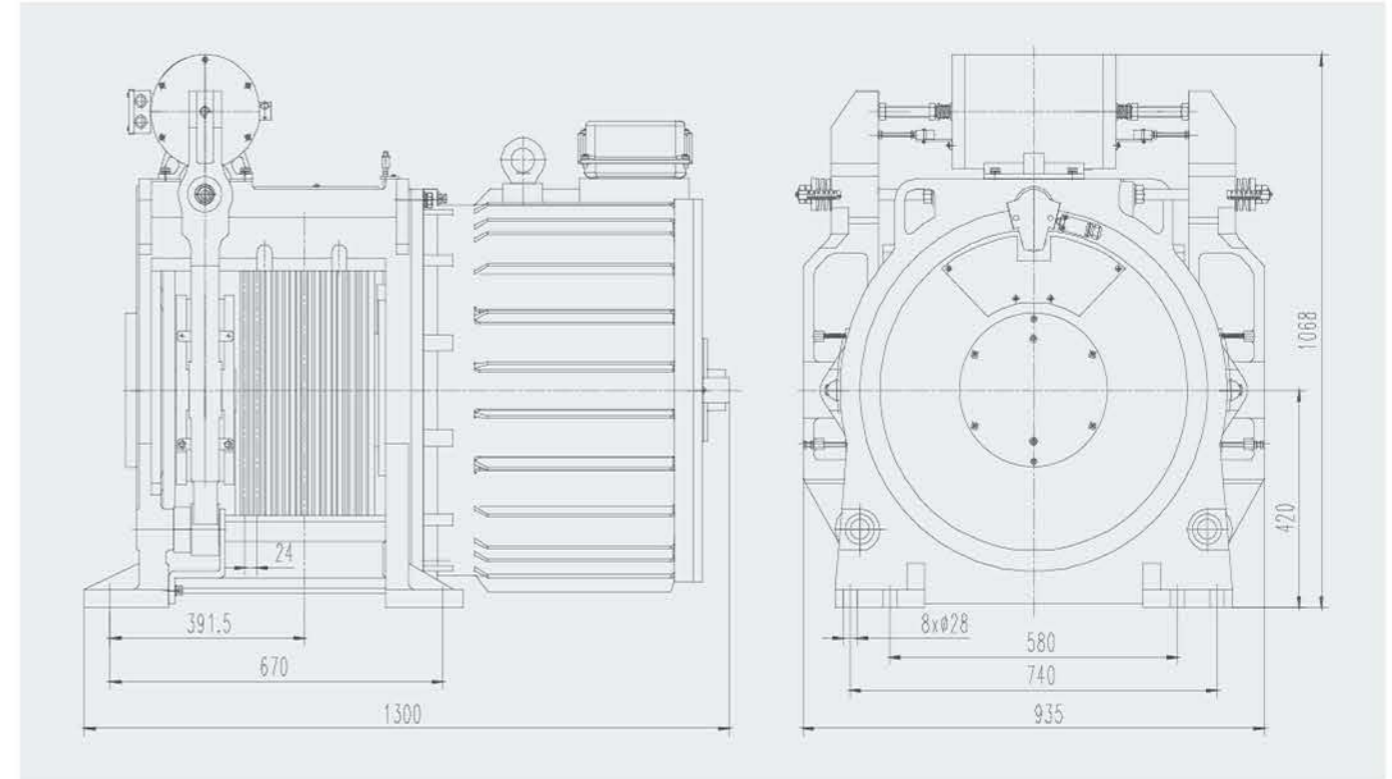
This series of permanent-magnet synchronous gearless traction machines has large capacity and dual supporting single wrap structure, with traction sheave located between two bearings, so force application is more reasonable.

Drum brakes are applied for the traction machines, which have high braking torque, high reliability and easy maintenance and commissioning.

Unique internal rotor construction and excellent magnetic field design, enable the product to have excellent performance, low noise level and high-speed steady operation.

Imported bearings are applied, which have high-carrying capacity and long life. The encoder is installed in various manners to meet different customer demands. This series of traction machines is applicable for the elevator with machine room.

外形和安装尺寸 Overall dimensions and mounting dimensions



型号 Type	曳引比 Traction ratio	梯速 Speed (m/s)	载重 Load (kg)	功率 Power (kW)	转速 Rev (r/min)	频率 Frequency (Hz)	电流 Current (A)	转矩 Torque (N·m)	绳径 Rope	自重 Weight (kg)	推荐提升高度 Recommended lifting height (m)
Numen420-10-5000-2	2:1	1.0	5000	31.7	58.8	14.7	76	5150	9× $\phi 16$	2400	50
Numen420-16-5000-2		1.6	5000	50.7	94	23.5	120	5150	10× $\phi 16$		70
Numen420-17.5-5000-2		1.75	5000	55.5	102.8	25.7	135	5150	11× $\phi 16$		80
Numen420-20-5000-2		2.0	5000	63.4	117.6	29.4	156	5150	11× $\phi 16$		80
Numen420-10-2500-1	1:1	1.0	2500	15.9	29.2	7.3	42	5150	9× $\phi 16$		50
Numen420-16-2500-1		1.6	2500	25.4	47.2	11.8	59	5150	10× $\phi 16$		70
Numen420-17.5-2500-1		1.75	2500	27.7	51.6	12.9	68	5150	11× $\phi 16$		80
Numen420-20-2500-1		2.0	2500	31.7	58.8	14.7	76	5150	11× $\phi 16$		80
Numen420-25-2500-1		2.5	2500	39.6	73.6	18.4	97	5150	11× $\phi 16$		120
Numen420-30-2500-1		3.0	2500	47.6	88	22	117	5150	11× $\phi 16$		120