

# ZIEHL-ABEGG



کاتالوگ موتورهای گیرلس زیلابگ آلمان



## SEYFI

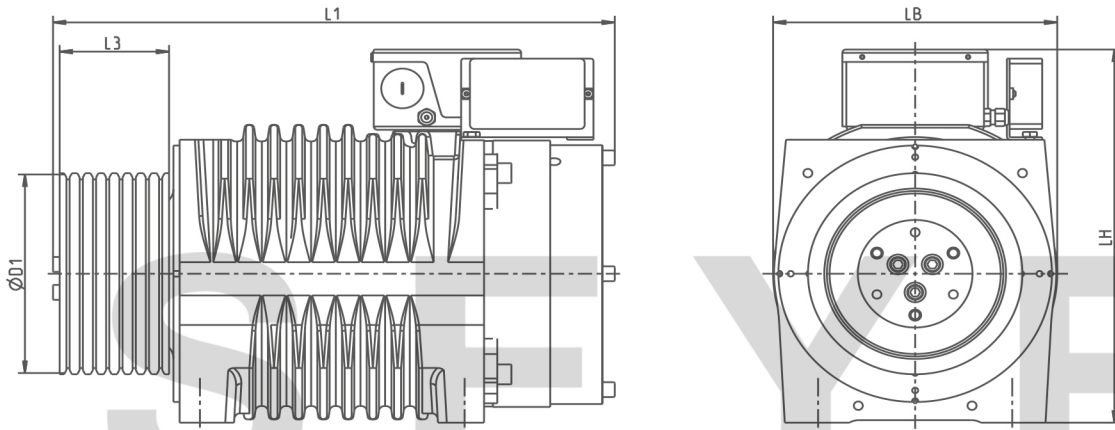
INDUSTRIAL GROUP

**SM200.40D**  
AVAILABLE IN  
SUMMER 2017

## Technical data

Motor type	Nominal torque [Nm]	Max. axle load [kg]	Nominal speed [min <sup>-1</sup> ]	Rated output power [kW]
SM200.40D	600	3300	96...300	6.0...18.8
SM200.45D	710	3600		7.1...20.4

## Dimensions



Motor type	L1 [mm]	LH [mm]	LB [mm]	D1 [mm]	L3 [mm]	Weight [kg]
SM200.40D	668	451	322	160	143	269
	685		322	240	173	292
	637		322	200	106	271
	637		322	240	124	284
	640		360	320	122	296
	367		422	400	95	299
	367		520	500	90	318
SM200.45D	668	451	322	160	143	280
	685		322	240	173	303
	637		322	200	106	282
	637		322	240	124	295
	640		360	320	122	307
	637		422	400	95	310
	637		520	500	90	329

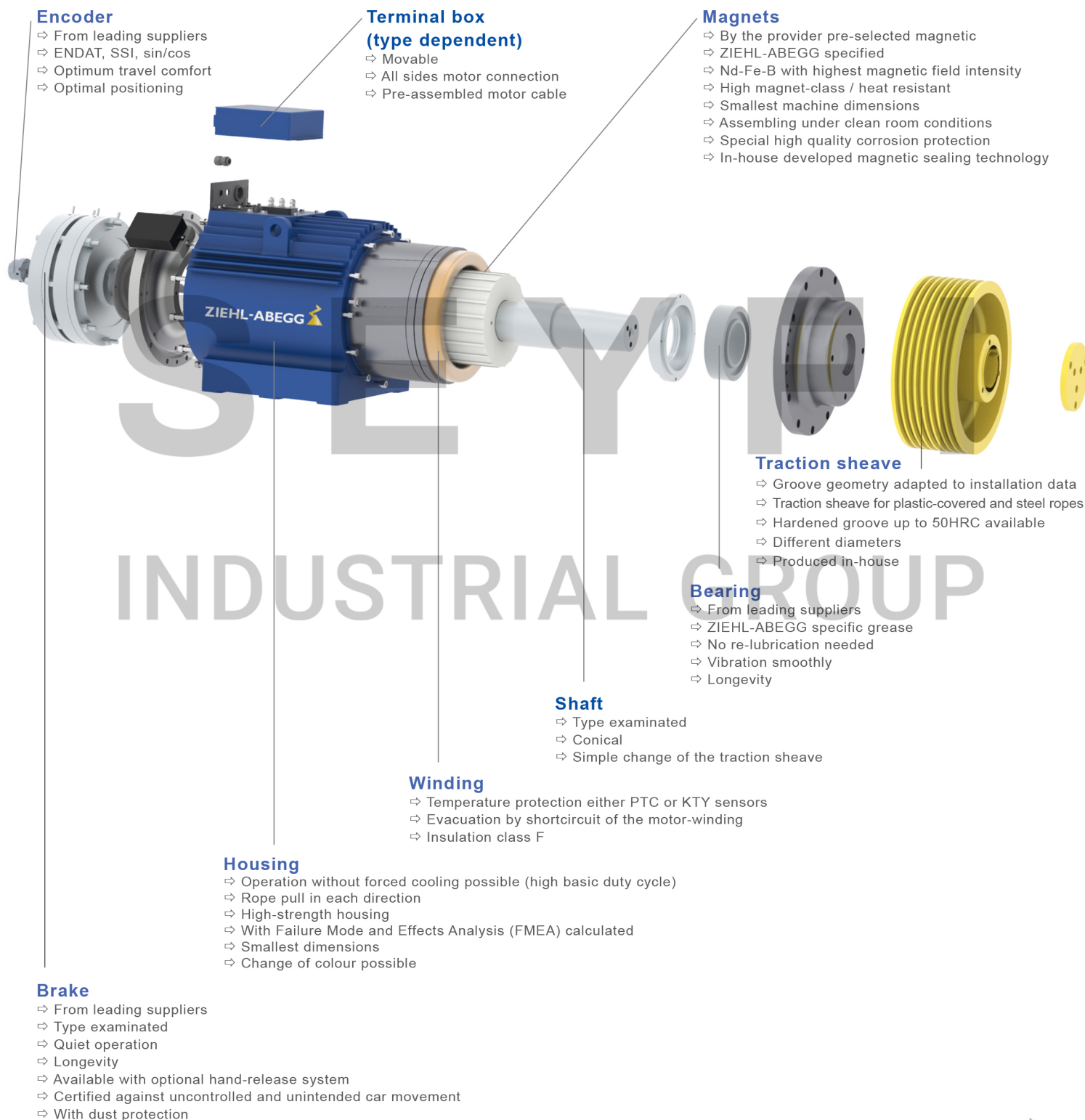
## Example configurations

Suspension	Max. payload [kg]	Speed [m/s]	Motor type [mm]	Traction sheave [mm]	Motor power [kW]	Rated current [A]
1:1	630	1.0	SM200.40D	320	4.1	19.5
	630	1.6	SM200.40D	320	6.5	19.5
	675	1.0	SM200.45D	320	4.2	19.9
	675	1.6	SM200.45D	320	6.9	20.3
	750	1.0	SM200.45D	320	4.9	24.1
2:1	1000	1.0	SM200.40D	320	6.9	19.2
	1000	1.6	SM200.40D	320	11.0	29.3
	1050	1.0	SM200.45D	400	6.8	20.2
	1050	1.6	SM200.45D	400	11.5	31.9
	1350	1.0	SM200.40D	240	8.9	24.0
	1350	1.6	SM200.40D	240	14.2	34.6
	1350	1.0	SM200.45D	320	8.8	24.8
	1350	1.6	SM200.45D	320	14.7	39.9
	1600	1.0	SM200.45D	240	10.4	27.2
	1600	1.6	SM200.45D	240	18.1	45.8

# Unique benefits – Performance which convinces

## ZIEHL-ABEGG gearless machines

- ⇒ 100,000 Machines worldwide in operation
- ⇒ Long lasting experience in synchronous technology – since 1993
- ⇒ Suitable for machine-room-less as well as machine-room installation
- ⇒ Large spectrum of machines for different loads
- ⇒ Simple to install
- ⇒ Safe calculation with ZIEHL-ABEGG ZAlift software
- ⇒ Short delivery time of the machines



# Performances which convinces

Expansion of the SM200 series for the medium load segment.

## Advantages:

- More torque
- Higher axle load
- Higher payload
- Brake without overexcitation

## Description

- Permanent magnet synchronous motor with NdFeB magnets
- Installation width designed for the narrowest shaft dimensions
- High efficiency
- Noise emissions: < 50 dB(A)
- Traction sheave: 160 mm - 500 mm
- Separately controllable brake circuits, type-tested as safety device against uncontrolled and unintended car movement
- Temperature monitoring by PTC or KTY thermistor

## Scope of delivery

- Gearless elevator machine
- Type-tested brake system
- Traction sheave
- Absolute encoder type Heidenhain ECN1313 EnDat
- Rope guard according to EN 81-20

## Options

- Absolute encoder type Heidenhain ECN1313 SSI or ERN1387
- Mechanical hand release system for brake
- Pre-parametrised frequency inverter ZAdyn
- Forced ventilation



## Properties & special features:

Permanent magnet excited gearless drive for traction sheave cable elevators.

Due to its compact design, the ZATop is ideally suited for use in elevators with or without a machine room.

The type examination tested brake can be used as part of the protective device to prevent the car from overspeeding when travelling upwards or as part of the protective device to prevent unintended movement of the car.

## Applications and areas of use:

Payload up to 6,500 kg

Speed up to 4.0 m/s

Traction sheave diameter of 120 mm to 640 mm

### SM132/A

Payload: up to 1,050 kg (2:1)

Speed: up to 1.6 m/s

Axle load: up to 2,400 kg

Installation width: 210 mm

Traction sheave: 120 mm and 160 mm

Mechanical brake release (optional)



### SM132/B

Payload: up to 1,050 kg (2:1)

Speed: up to 2.5 m/s

Axle load: up to 2,400 kg

Installation width: 210 mm

Traction sheave: 120 mm to 200 mm

Mechanical brake release (optional)



### SM160

Payload: up to 1,125 kg (2:1)

Speed: up to 2.5 m/s

Axle load: up to 2,500 kg

Installation width: 245 mm

Traction sheave: 120 mm to 240 mm

Mechanical brake release (optional)



### SM180

Payload: up to 1,050 kg (2:1)

Speed: up to 1.6 m/s

Axle load: up to 2,500 kg

Installation width: 256 mm

Traction sheave: 200 mm to 240 mm

