

# Elevator Traction Machine

# Machines for machine-roomless elevators

HIWIN gearless synchronous motors have a very compact design and are the best solution for machine-roomless elevators.

Due to extremely quiet running, excellent controllability, and the very attractive design HIWIN elevator machines are the best solution for modern elevators.

## Characteristics

- Gearless synchronous motor
- Compact design
- Very quiet running
- Sheaves from 200mm diameter onwards
- Applicable with all common controllers
- Very smooth running

## Your benefit

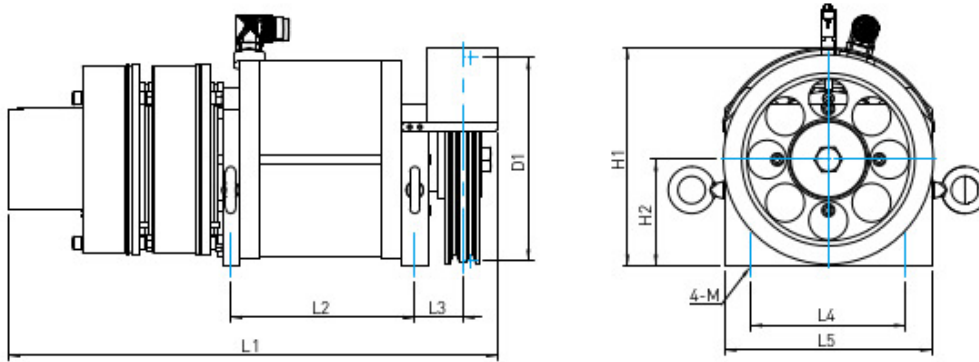
- Cost effective installation
- Space-saving design
- Less energy costs

## Applications

- Home and panoramic view elevators
- Modernizing elevator projects
- Freight elevators



**Table1.1** Technical data TME3 series

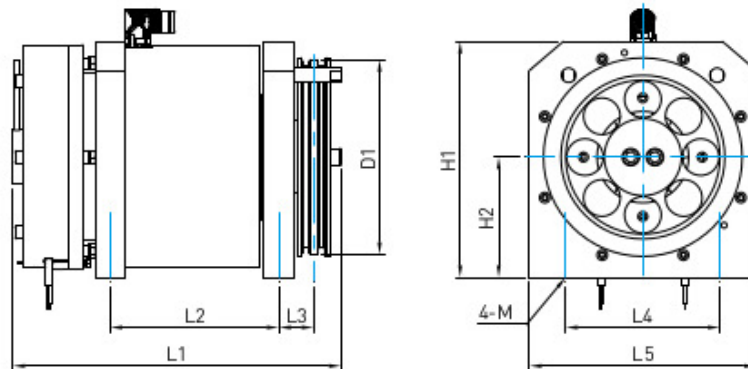


Type	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	D1 [mm]	H1 [mm]	H2 [mm]	M	Mass (kg)
TME3C	480	180.8	47	152.4	207	200	215	105	M10	61

Input voltage 220V

Type	MAX. Payload [kg]	Roping	MAX. Speed [m/s]	Rated torque [Nm]	MAX. Shaft load [kg]
TME3C	250	2:1	0.6	80	800

**Table1.2** Technical data TME4 series

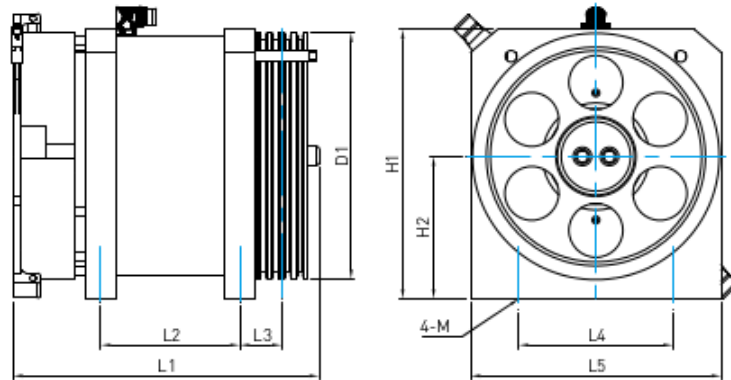


Type	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	D1 [mm]	H1 [mm]	H2 [mm]	M	Mass (kg)
TME4A	338	165	36	160	235	200	245	125	M12	80
TME4F	388	215	36	160	235	200	245	125	M12	90

Input voltage 220V

Type	MAX. Payload [kg]	Roping	MAX. Speed [m/s]	Rated torque [Nm]	MAX. Shaft load [kg]
TME4A	450	2:1	0.6	145	1300
TME4F	550	2:1	0.6	180	1300

**Table1.3** Technical data TME7



Type	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	D1 [mm]	H1 [mm]	H2 [mm]	M	Mass [kg]
TME7A	397	180	55	250	325	320	350	185	M20	150
TME7F	447	230	55	250	325	320	350	185	M20	180

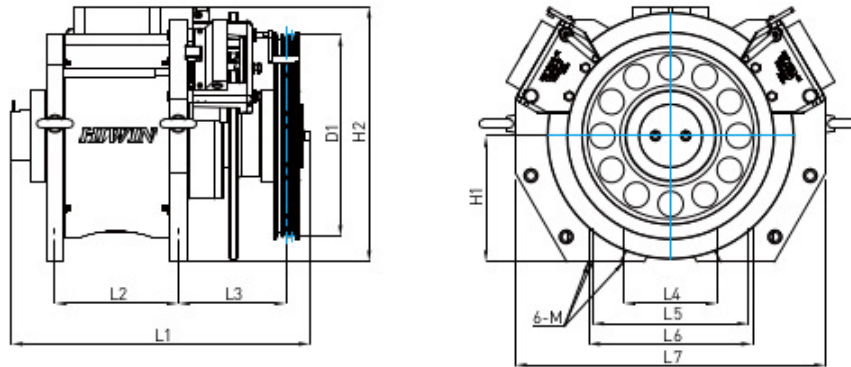
**Input voltage 220V**

Type	MAX. Payload [kg]	Roping	MAX. Speed [m/s]	Rated torque [Nm]	MAX. Shaft load [kg]
TME7A	500	2:1	0.75	260	2000
TME7F	630	2:1	0.75	330	2000

**Input voltage 380V**

Type	MAX. Payload [kg]	Roping	MAX. Speed [m/s]	Rated torque [Nm]	MAX. Shaft load [kg]
TME7A	500	2:1	1	260	2000
TME7F	630	2:1	1	330	2000

**Table1.4** Technical data TMEA series



Type	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	D1 [mm]	H1 [mm]	H2 [mm]	M	Mass (kg)
TMEAA	542	194	198.5	185	310	325	615	400	250	505	M20	330
TMEAF	592	244	198.5	185	310	325	615	400	250	505	M20	350

**Input voltage 220V**

Type	MAX. Payload [kg]	Roping	MAX. Speed [m/s]	Rated torque [Nm]	MAX. Shaft load [kg]
TMEAA	700	2:1	0.75	455	2800
TMEAF	1000	2:1	0.75	650	2800
TMEAF	500	1:1	1.6	650	2800

**Input voltage 380V**

Type	MAX. Payload [kg]	Roping	MAX. Speed [m/s]	Rated torque [Nm]	MAX. Shaft load [kg]
TMEAA	700	2:1	1	455	2800
TMEAF	1000	2:1	1	650	2800

# HIWIN®

Motion Control and System Technology



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