

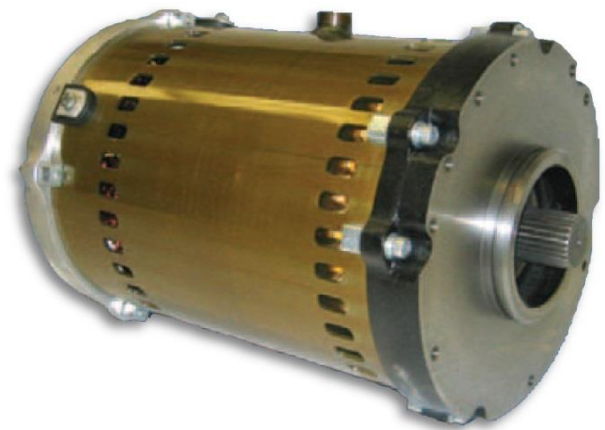
## TSW

# Low voltage AC Induction Truck Motors

Inmotion TSW motors are efficient, durable and maintenance free, resulting in competitive machine cost of ownership.

TSW motors are designed and developed to optimize efficiency and performance when operating together with the Inmotion ACS Motor Controllers.

TSW AC motors are brushless and therefore maintenance free. They require no access for maintenance allowing for a compact truck design, thus saving valuable space.



## Product Features

- 50 Nm to 800 Nm performance. TSW motors can be optimized for battery voltages from 24 to 80 volts. Motor design can be either open or enclosed to comply with UL EE
- Built in thermal sensor for monitoring motor temperature and supplied with a 2-channel, serviceable speed sensor
- Standard design:
  - IP20 protection
  - Class F insulation
  - IEC 112, B14
- Maintenance free, with no brushes to maintain. Inmotion's AC controlled system is true 4 quadrant system
- High acceleration and braking torque at high speeds, allows quicker acceleration and substantially shorter stopping distances without the use of mechanical brakes
- Standards:
  - EN-1175
  - UL 583 EE

### Performance

Motor	rpm	S1		S2 60min		S3 15%		Max Nm
		Nm	kW	Nm	kW	Nm	kW	
112/4-165	1430	28	4.2	36	5.5	67	10	97
112/4-195	1430	31	4.6	40	6.0	74	11	115
180/6-200	970	130	13	182	18.5	364	37	450
180/6-250	970	160	16.5	227	23	455	46	560
180/6-360	970	180	18.3	252	25.6	504	51	810

### Dimensions

Motor	Motor dimensions	
	L (mm)	D (mm)
112/4-165	342	226
112/4-195	372	226
180/6-200	410	278
180/6-250	460	278
180/6-360	570	278

