



# MOTOR DATA SHEET

**MOTOR PART CODE:**

**45.023TECCB5-IE3**

**FRAME SIZE:**

**225M-2**

	50Hz
Output (kW)	45
Rotation Speed (rpm)	2950
Voltage	400/690
Full Load Current (A)	75.93   43.84
Full Load Torque (Nm)	145.7

	60Hz
Output (kW)	54
Rotation Speed (rpm)	3540
Voltage	480   828
Full Load Current (A)	75.93   43.84
Full Load Torque (Nm)	121.42

## Efficiency Data

100%	75%	50%
94	94.6	94.1

Factory Reference	T3C 225M-2
Tst/Tn (times)	2.5
Tmax/Tn	2.5
Noise (dB)	92
Moment of inertia	0.34366
Type of feet	Not Fitted
Protection	IP55
Rotation Direction	F / R
Cable Glands	2 - M50× 1.5
Paint Colour	RAL 7024
Efficiency	IE3
Bearing (DE)	6313 C3

Power Factor (cos)	0.91
Tmin/Tn	1.4
Ist/In (Times)	8.5
Net Weight (Kg)	369
Housing material	Cast Iron
Insulation Class	F
Thermal Protection	PTC 140°C
Duty Cycle	S1
Cooling	IC411
Ambient Temperature	-20°C to +40°C
Bearing Brand	NSK
Bearing (NDE)	6313 C3

*Motors designed and manufactured in accordance with:*

**IEC 60034  
IEC 60038  
IEC 60072  
2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS 2)**

[www.tecmotors.co.uk](http://www.tecmotors.co.uk)

TEC Electric Motors Ltd. reserves the right to amend or change motor designs or data sheet information