



# MOTOR DATA SHEET

**MOTOR PART CODE:**

**1.523TECAB14-IE3**

**FRAME SIZE:**

**90S-2**

	50Hz
Output (kW)	1.5
Rotation Speed (rpm)	2900
Voltage	230/400
Full Load Current (A)	5.43   3.14
Full Load Torque (Nm)	4.939655172

	60Hz
Output (kW)	1.8
Rotation Speed (rpm)	3480
Voltage	276   480
Full Load Current (A)	5.43   3.14
Full Load Torque (Nm)	4.12

## Efficiency Data

100%	75%	50%
84.2	83.8	81.4

Factory Reference	T3A 90S-2
Tst/Tn (times)	3.5
Tmax/Tn	3.7
Noise (dB)	72
Moment of inertia	0.002185736
Type of feet	Not Fitted
Protection	IP55
Rotation Direction	F / R
Cable Glands	1 - M20 × 1.5
Paint Colour	RAL 7024
Efficiency	IE3
Bearing (DE)	6205 2RZ C3

Power Factor (cos)	0.82
Tmin/Tn	2.1
Ist/In (Times)	8.3
Net Weight (Kg)	14
Housing material	Aluminum
Insulation Class	F
Thermal Protection	PTC 130°C
Duty Cycle	S1
Cooling	IC 411
Ambient Temperature	-20°C to +40°C
Bearing Brand	NSK
Bearing (NDE)	6205 2RZ 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