



MOTOR DATA SHEET

MOTOR PART CODE:

1.543EXTDB5

FRAME SIZE:

90L-4

	50Hz
Output (kW)	1.5
Rotation Speed (rpm)	1420
Voltage	230/400
Full Load Current (A)	6.38 3.68
Full Load Torque (Nm)	10.08802817

	60Hz
Output (kW)	1.8
Rotation Speed (rpm)	1704
Voltage	276 480
Full Load Current (A)	6.38 3.68
Full Load Torque (Nm)	8.41

Efficiency Data

100%	75%	50%
82.8	83.4	81.9

Factory Reference	MS2 90L-4
Tst/Tn (times)	3
Tmax/Tn	3.1
Noise (dB)	61
Moment of inertia	0.00370931
Type of feet	Not Fitted
Protection	IP65
Rotation Direction	F / R
Cable Glands	1 - M20 × 1.5
Paint Colour	RAL 7024
ATEX	ATEX II 3D Ex tc IIIC T125°C - Dc
Bearing (DE)	6205 2RS C3

Power Factor (cos)	0.71
Tmin/Tn	2.7
Ist/In (Times)	6.2
Net Weight (Kg)	16.9
Housing material	Aluminum
Insulation Class	F
Thermal Protection	PTC 130°C
Duty Cycle	S1
Cooling	IC411
Ambient Temperature	-20°C to + 40°C
Bearing Brand	NSK
Bearing (NDE)	6205 2RS C3

Motors designed and manufactured in accordance with:



IEC 60034
IEC 60038
IEC 60072
IEC 60079
2014/35/EU (LVD)
2011/65/EU (RoHS 2)

www.tecmotors.co.uk

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