Electrotech Drives
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Data Sheet
1.143TECA-BM

FRAME SIZE: 90S-4

50Hz	
Output (kW)	1.1
Rotation Speed (rpm)	1420
Voltage	230/400
Full Load Current (A)	4.76 | 2.75
Full Load Torque (Nm)	7.4

60Hz	
Output (kW)	1.32
Rotation Speed (rpm)	1704
Voltage	276 | 480
Full Load Current (A)	4.76 | 2.75
Full Load Torque (Nm)	6.17

Efficiency Data

100%	75%	50%
81.4	82	80.5

Factory Reference	MSB90S-4
Tst/Tn (times)	2.8
Tmax/Tn	3.1
Noise (dB)	61
Moment of inertia	0.002873
Type of feet	Removable feet
Protection	IP55
Rotation Direction	F / R
Cable Glands	1 - M20 × 1.5
Paint Colour	RAL 7024
Brake Torque (Nm)	16
Brake Voltage	205v DC
Recitifer	Full Wave

Power Factor (cos)	0.71
Tmin/Tn	2.6
Ist/In (Times)	5.6
Net Weight (Kg)	13.85
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 (DE)	6205 2RS C3
Bearing (NDE)	6205 2RS 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)