



MOTOR DATA SHEET

MOTOR PART CODE:

18.543TECCB3-IE2

FRAME SIZE:

180M-4

50Hz

Output (kW)	18.5
Rotation Speed (rpm)	1450
Voltage	400/690
Full Load Current (A)	34.05/19.66
Full Load Torque (Nm)	121.8

60Hz

Output (kW)	22.2
Rotation Speed (rpm)	1740
Voltage	480/828
Full Load Current (A)	34.05/19.66
Full Load Torque (Nm)	101.50

Efficiency Data

100%	75%	50%
91.2	91.8	90.8

Factory Reference	T2C 180M-4
Tst/Tn (times)	2.5
Tmax/Tn	2.8
Noise (dB)	76
Moment of inertia	0.14084
Type of feet	Removable feet
Protection	IP55
Rotation Direction	F / R
Cable Glands	2 - M32× 1.5
Paint Colour	RAL 7024
Efficiency	IE2
Bearing (DE)	6311 C3

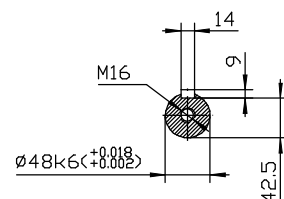
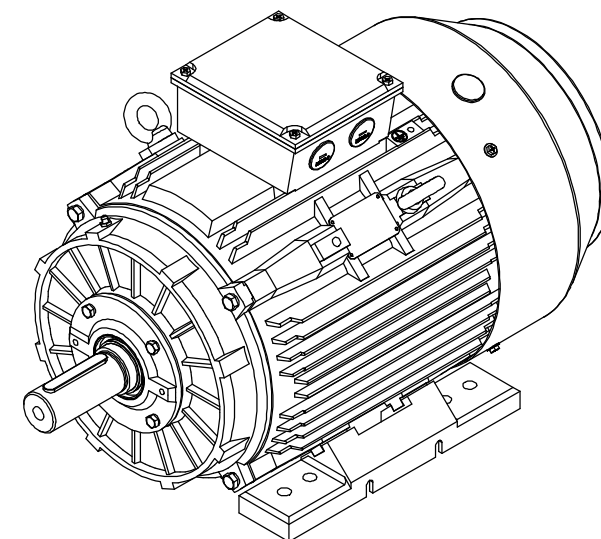
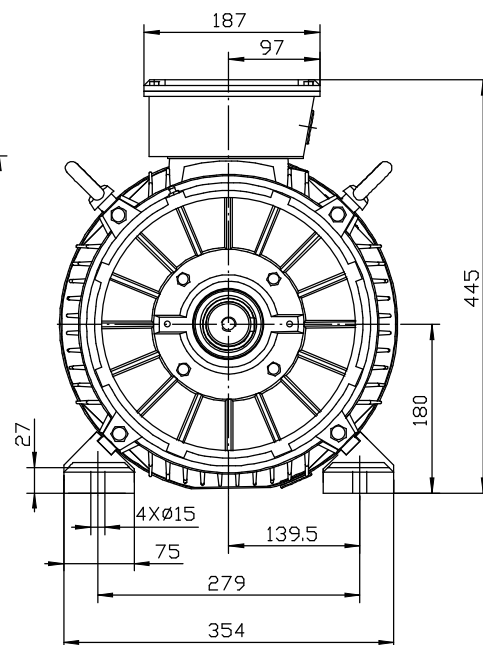
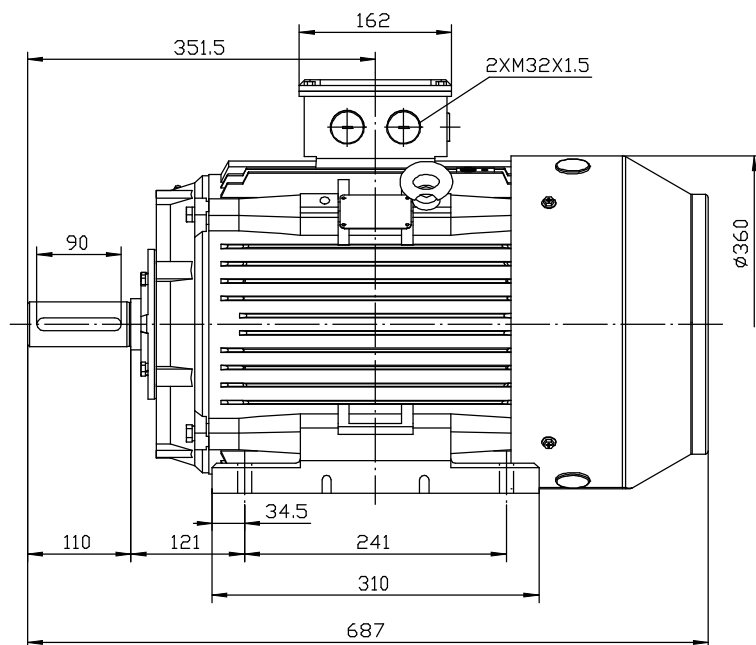
Power Factor (cos)	0.86
Tmin/Tn	1.6
Ist/In (Times)	8.6
Net Weight (Kg)	161
Housing material	Cast Iron
Insulation Class	F
Thermal Protection	PTC 140°C
Duty Cycle	S1
Cooling	IC 411
Ambient Temperature	-20°C to +40°C
Bearing Brand	NSK
Bearing (NDE)	6311 C3

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)**

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



Drawn By	Date	TC 180 B3
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Approved by	Date	
L. Overton	27/11/2017	
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BM01/A001	27/11/2017	

