



MOTOR DATA SHEET

MOTOR PART CODE:

7.583TECCB5

FRAME SIZE:

160L-8

50Hz

Output (kW)	7.5
Rotation Speed (rpm)	720
Voltage	400 690
Full Load Current (A)	16.98 9.8
Full Load Torque (Nm)	99.47916667

60Hz

Output (kW)	9
Rotation Speed (rpm)	864
Voltage	480 828
Full Load Current (A)	16.98 9.8
Full Load Torque (Nm)	82.90

Efficiency Data

100%	75%	50%
85	82.8	79.5

Factory Reference	T1C 160L-8
Tst/Tn (times)	1.9
Tmax/Tn	2.2
Noise (dB)	68
Moment of inertia	0.10593738
Type of feet	Removable feet
Protection	IP55
Rotation Direction	F / R
Cable Glands	2 - M32× 1.5
Paint Colour	RAL 7024
Efficiency	IE1
Bearing (DE)	6309 C3

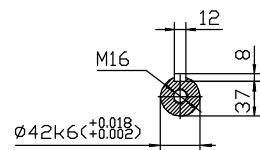
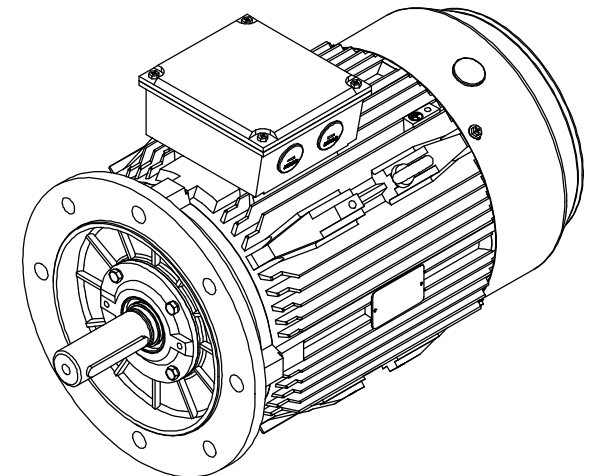
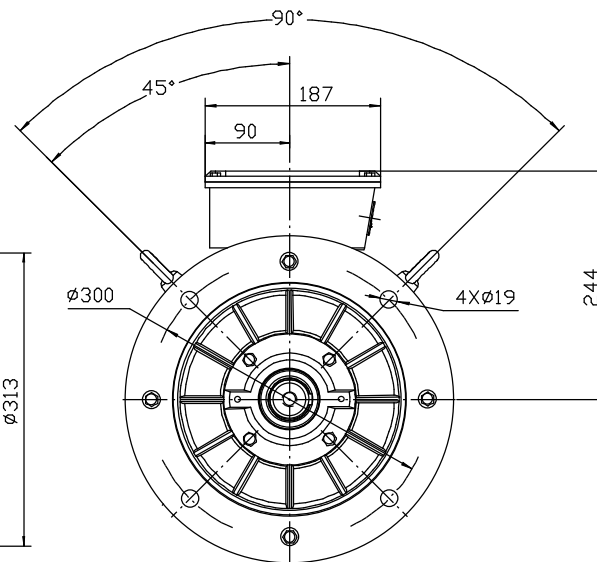
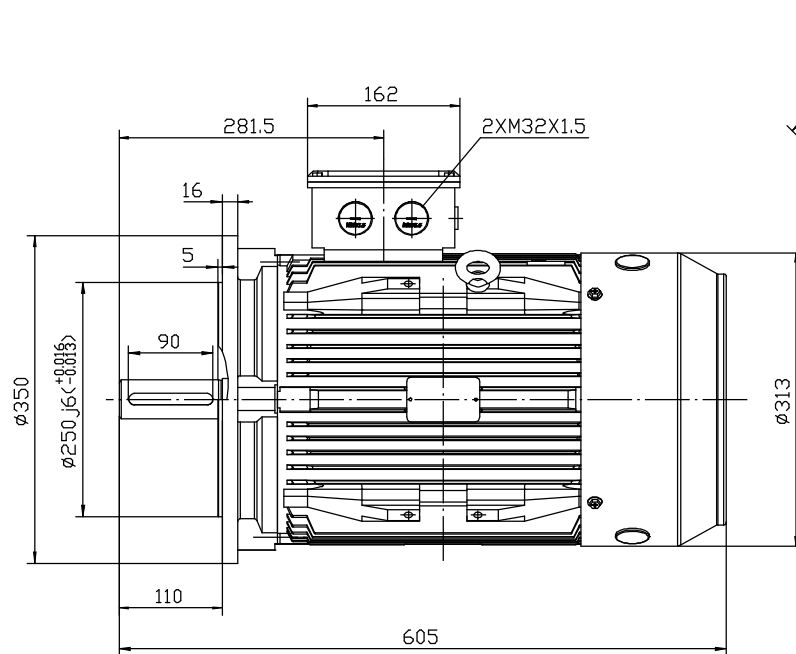
Power Factor (cos)	0.75
Tmin/Tn	1.2
Ist/In (Times)	6
Net Weight (Kg)	136
Housing material	Cast iron
Insulation Class	F
Thermal Protection	PTC 140°C
Duty Cycle	S1
Cooling	IC411
Ambient Temperature	-20°C to +40°C
Bearing Brand	NSK
Bearing (NDE)	6309 C3

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



TC 160M B5

Drawn By	Date	TC 160 B5
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L. Overton	27/11/2017	
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