



MOTOR DATA SHEET

MOTOR PART CODE:

5.583TECCB3

FRAME SIZE:

160M2-8

50Hz

Output (kW)	5.5
Rotation Speed (rpm)	720
Voltage	400 690
Full Load Current (A)	12.85 7.42
Full Load Torque (Nm)	72.95 388.89

60Hz

Output (kW)	6.6
Rotation Speed (rpm)	864
Voltage	480 828
Full Load Current (A)	12.85 7.42
Full Load Torque (Nm)	60.79

Efficiency Data

100%	75%	50%
83.5	81.6	77.7

Factory Reference	T1C 160M2-8
Tst/Tn (times)	2
Tmax/Tn	2.2
Noise (dB)	68
Moment of inertia	0.09095
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

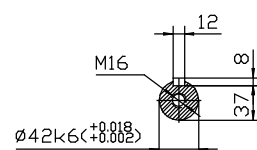
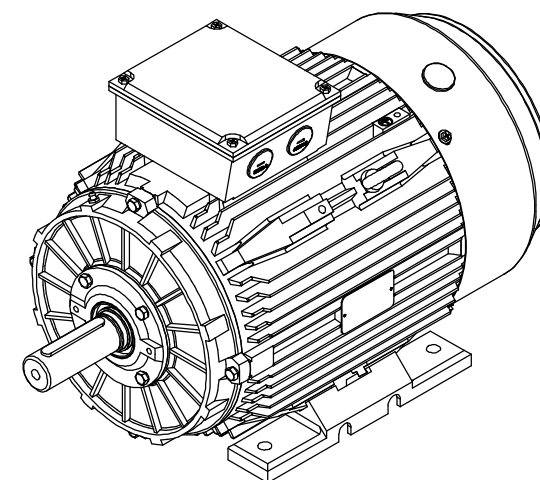
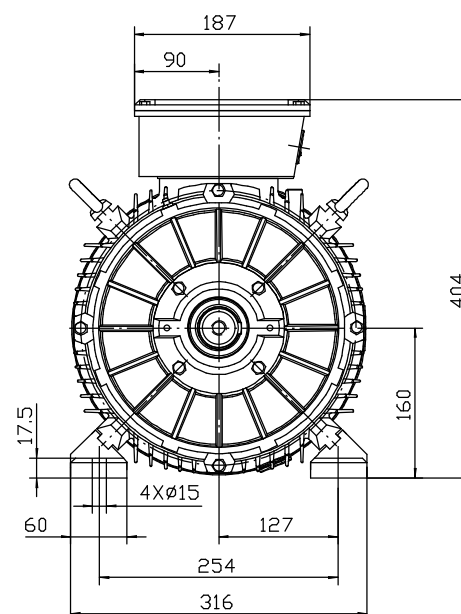
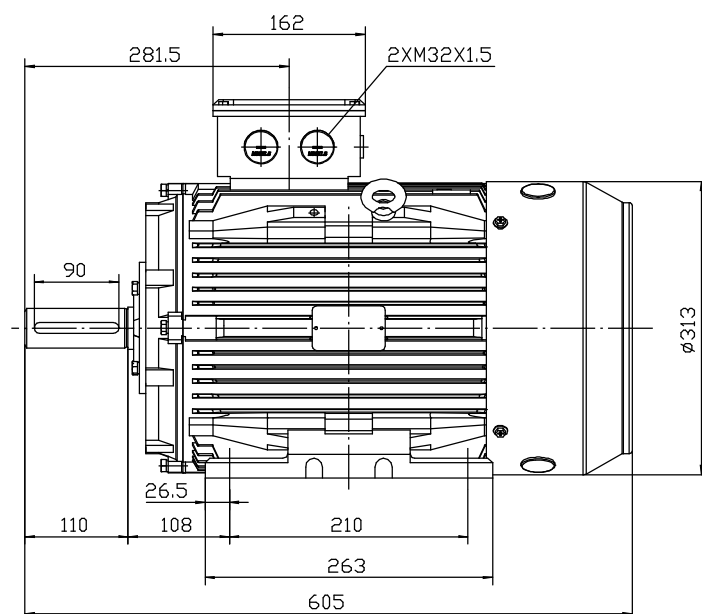
Power Factor (cos)	0.74
Tmin/Tn	1.2
Ist/In (Times)	6
Net Weight (Kg)	124
Housing material	Cast iron
Insulation Class	F
Thermal Protection	PTC 140°C
Duty Cycle	S1
Cooling	IC411
Ambient Temperature	-20°C to +40°C
Bearing Brand	NSK
Bearing (NDE)	6309 C3

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 B3

Drawn By	Date	TC 160 B3
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L. Overton	27/11/2017	
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