



MOTOR DATA SHEET

MOTOR PART CODE:

90.023TECCB5-IE2

FRAME SIZE:

280M-2

50Hz

Output (kW)	90
Rotation Speed (rpm)	2960
Voltage	400/690
Full Load Current (A)	153.39/88.56
Full Load Torque (Nm)	290.4

60Hz

Output (kW)	108
Rotation Speed (rpm)	3552
Voltage	480/828
Full Load Current (A)	153.39/88.56
Full Load Torque (Nm)	242.00

Efficiency Data

100%	75%	50%
94.1	94.3	93.2

Factory Reference	T2C 280M-2
Tst/Tn (times)	2.5
Tmax/Tn	2.6
Noise (dB)	94
Moment of inertia	0.90716
Type of feet	Not fitted
Protection	IP55
Rotation Direction	F / R
Cable Glands	2 - M50× 1.5
Paint Colour	RAL 7024
Efficiency	IE2
Bearing (DE)	6316 C3

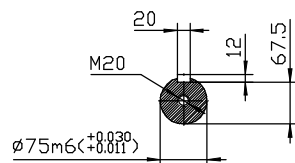
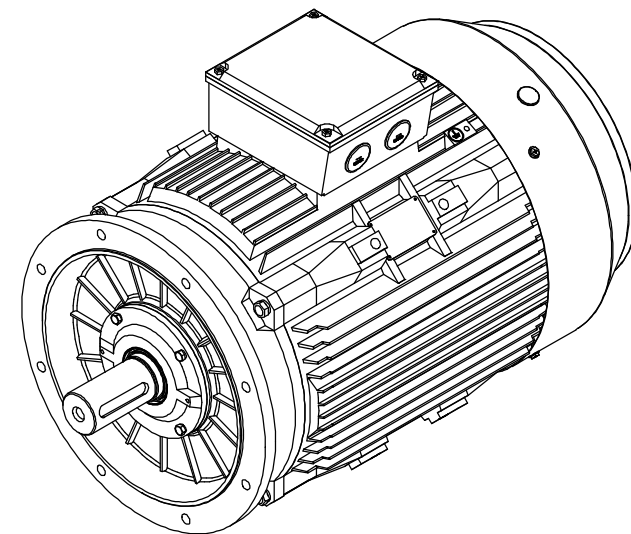
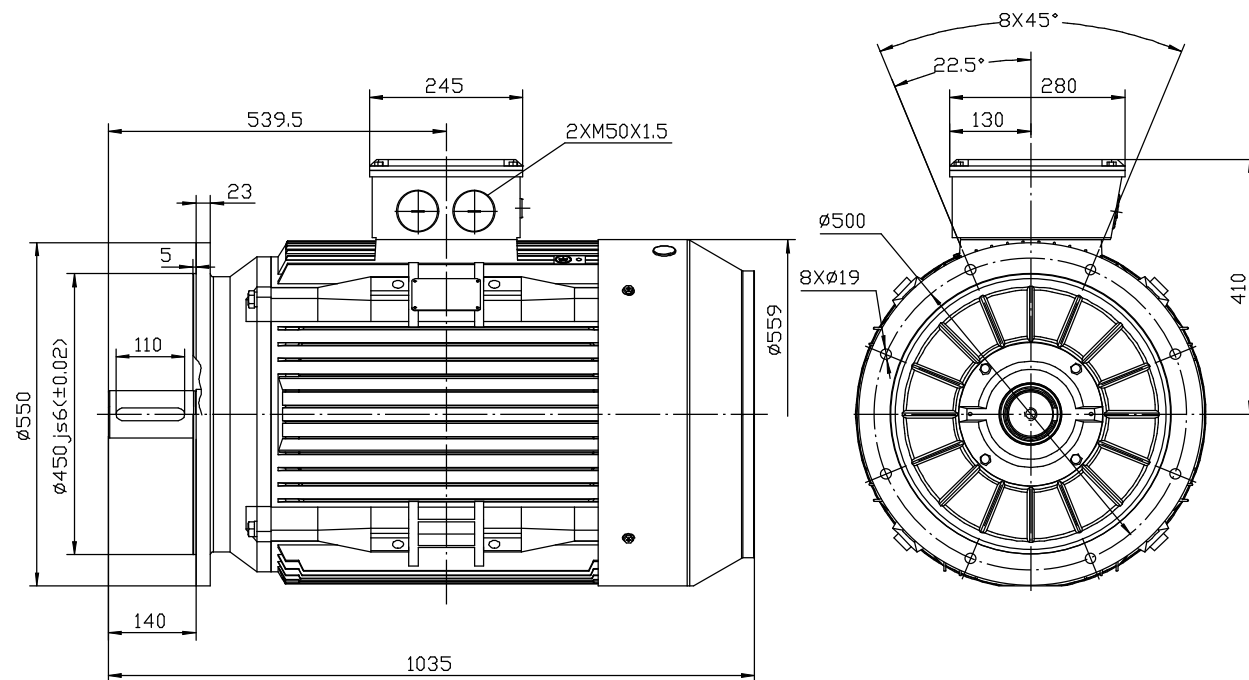
Power Factor (cos)	0.9
Tmin/Tn	1.8
Ist/In (Times)	9.5
Net Weight (Kg)	638
Housing material	Cast Iron
Insulation Class	F
Thermal Protection	PTC 140°C
Duty Cycle	S1
Cooling	IC 411
Ambient Temperature	-20°C to +40°C
Bearing Brand	NSK
Bearing (NDE)	6316 C3

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 280M B5
A442313	27/11/2017	
Approved by	Date	
L. Overton	27/11/2017	
Issue No =	Date	
BM01/A001	27/11/2017	

