



MOTOR DATA SHEET

MOTOR PART CODE:

55.063TECCB35-IE2

FRAME SIZE:

280M1-6

50Hz

Output (kW)	55
Rotation Speed (rpm)	980
Voltage	400/690
Full Load Current (A)	99.15/57.24
Full Load Torque (Nm)	536

60Hz

Output (kW)	66
Rotation Speed (rpm)	1176
Voltage	480/828
Full Load Current (A)	99.15/57.24
Full Load Torque (Nm)	446.67

Efficiency Data

100%	75%	50%
93.1	93.2	92.2

Factory Reference	T2C 280M1-6
Tst/Tn (times)	2.5
Tmax/Tn	2.8
Noise (dB)	80
Moment of inertia	2.20792
Type of feet	Removable feet
Protection	IP55
Rotation Direction	F / R
Cable Glands	2 - M50× 1.5
Paint Colour	RAL 7024
Efficiency	IE2
Bearing (DE)	6316 C3

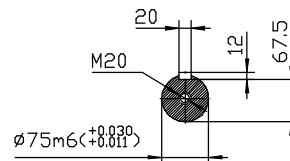
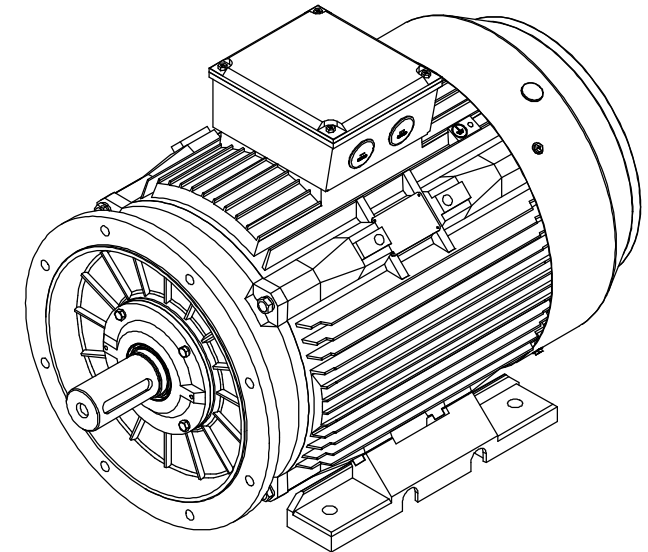
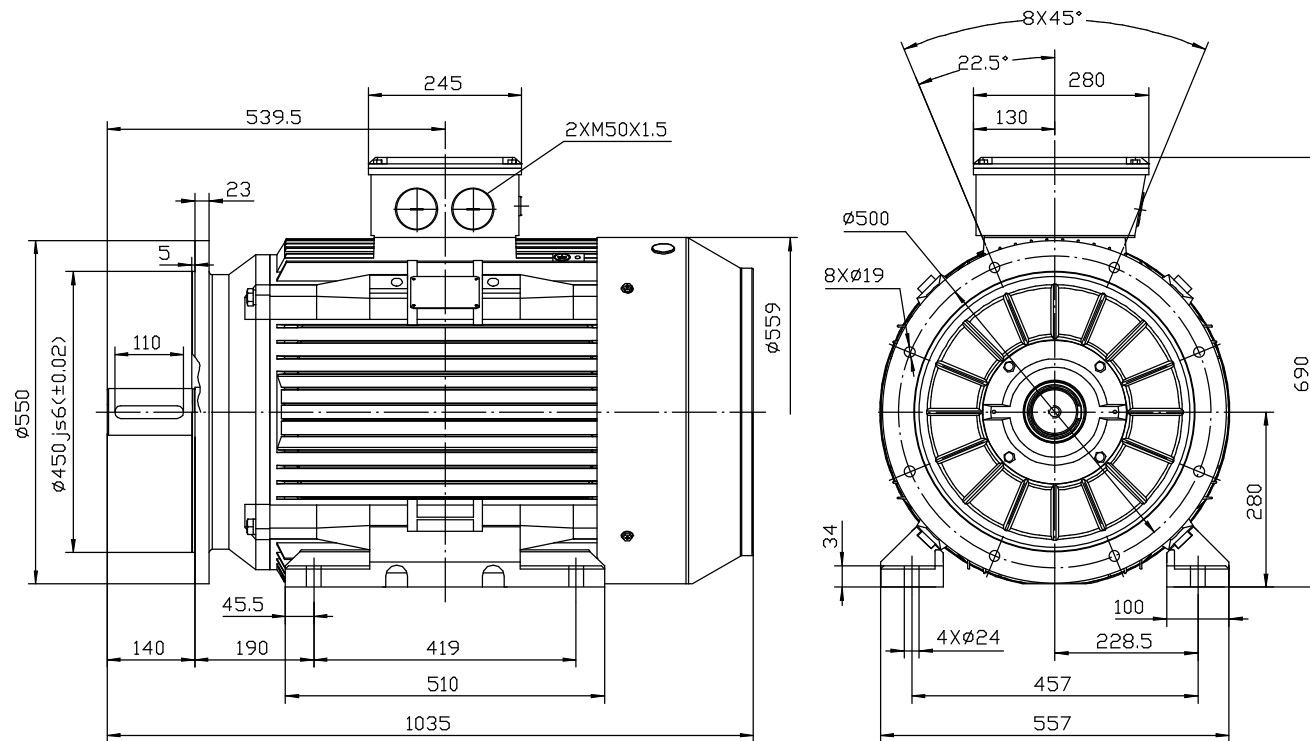
Power Factor (cos)	0.86
Tmin/Tn	1.7
Ist/In (Times)	9
Net Weight (Kg)	584
Housing material	Cast Iron
Insulation Class	F
Thermal Protection	PTC 140°C
Duty Cycle	S1
Cooling	IC 411
Ambient Temperature	-20°C to +40°C
Bearing Brand	NSK
Bearing (NDE)	6316 C3

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 B35
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Approved by	Date	
L. Overton	27/11/2017	
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