



MOTOR DATA SHEET

MOTOR PART CODE:

45.083TECCB5

FRAME SIZE:

280M-8

50Hz

Output (kW)	45
Rotation Speed (rpm)	740
Voltage	400 690
Full Load Current (A)	89.37 51.59
Full Load Torque (Nm)	580.7432432

60Hz

Output (kW)	54
Rotation Speed (rpm)	888
Voltage	480 828
Full Load Current (A)	89.37 51.59
Full Load Torque (Nm)	483.95

Efficiency Data

100%	75%	50%
92	92.3	90.8

Factory Reference	T1C 280M-8
Tst/Tn (times)	1.9
Tmax/Tn	2
Noise (dB)	76
Moment of inertia	2.26007525
Type of feet	Removable feet
Protection	IP55
Rotation Direction	F / R
Cable Glands	2 - M50× 1.5
Paint Colour	RAL 7024
Efficiency	IE1
Bearing (DE)	6316 C3

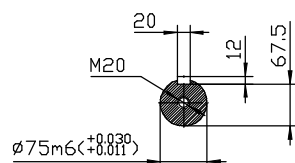
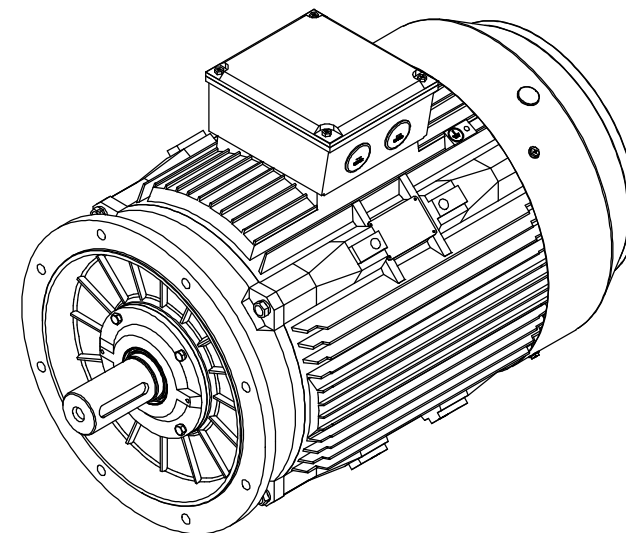
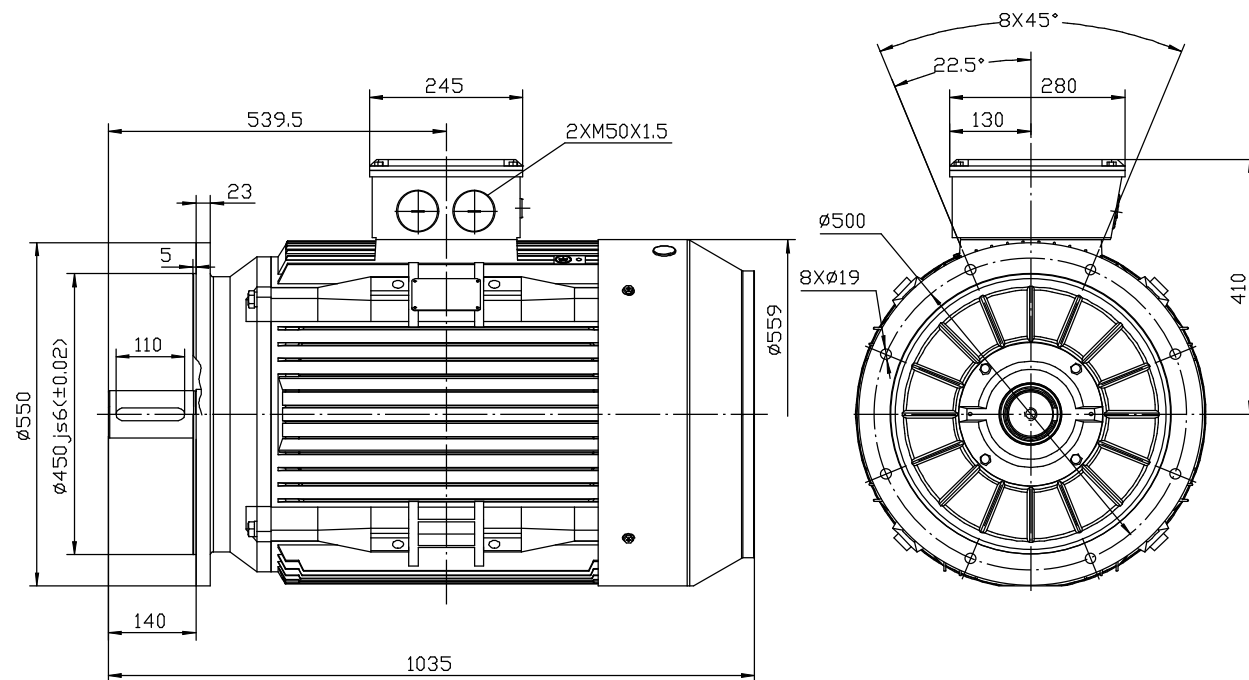
Power Factor (cos)	0.79
Tmin/Tn	1
Ist/In (Times)	6.6
Net Weight (Kg)	575
Housing material	Cast iron
Insulation Class	F
Thermal Protection	PTC 140°C
Duty Cycle	S1
Cooling	IC411
Ambient Temperature	-20°C to +40°C
Bearing Brand	NSK
Bearing (NDE)	6316 C3

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	

