



MOTOR DATA SHEET

MOTOR PART CODE:

90.083TECCB3

FRAME SIZE:

315L1-8

50Hz

Output (kW)	90
Rotation Speed (rpm)	740
Voltage	400 690
Full Load Current (A)	168.89 97.51
Full Load Torque (Nm)	1161.486486

60Hz

Output (kW)	108
Rotation Speed (rpm)	888
Voltage	480 828
Full Load Current (A)	168.89 97.51
Full Load Torque (Nm)	967.91

Efficiency Data

100%	75%	50%
93.8	93.9	92.3

Factory Reference	T1C 315L1-8
Tst/Tn (times)	1.8
Tmax/Tn	2
Noise (dB)	82
Moment of inertia	6.264106443
Type of feet	fixed feet
Protection	IP55
Rotation Direction	F / R
Cable Glands	2 - M63× 1.5
Paint Colour	RAL 7024
Efficiency	IE1
Bearing (DE)	NU319 C3

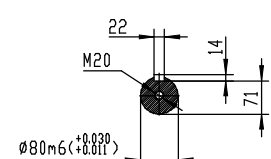
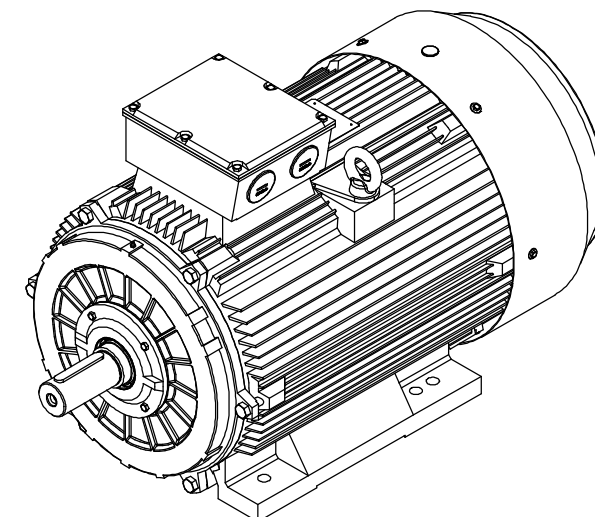
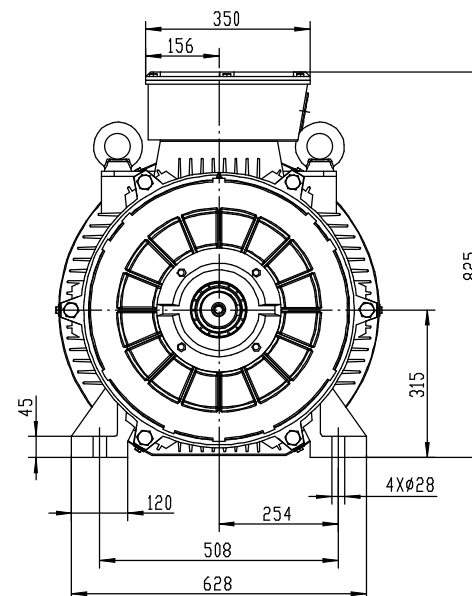
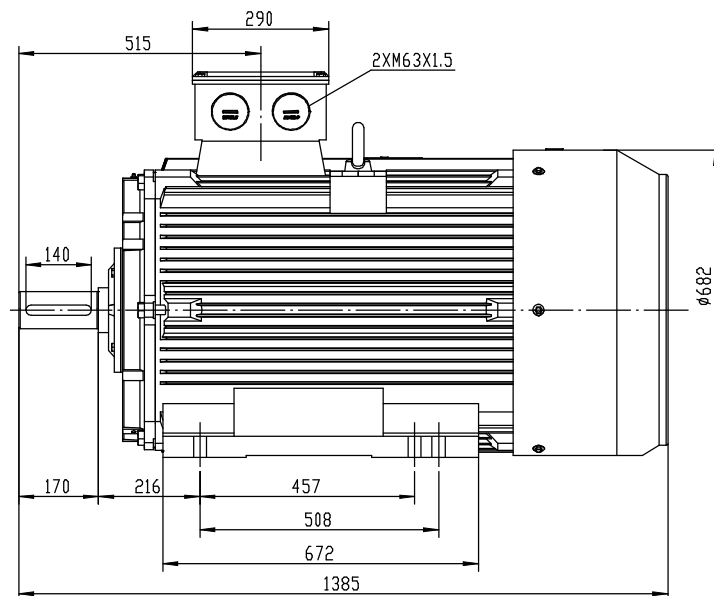
Power Factor (cos)	0.82
Tmin/Tn	1
Ist/In (Times)	6.6
Net Weight (Kg)	1096.8
Housing material	Cast iron
Insulation Class	F
Thermal Protection	PTC 140°C
Duty Cycle	S1
Cooling	IC411
Ambient Temperature	-20°C to +40°C
Bearing Brand	NSK
Bearing (NDE)	6319 C3

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)**

www.tecmotors.co.uk

TEC Electric Motors Ltd. reserves the right to amend or change motor designs or data sheet information



Drawn By	Date	TC 315M-4 B3
A442313	27/11/2017	
Approved by	Date	 www.tecmotors.co.uk
L. Overton	27/11/2017	
Issue No =	Date	
BM01/A001	27/11/2017	