TEC ELECTRIC MOTORS LTD

Technical Data Sheet

Model **T4C 280M-4**

Housing material		Cast Iron
Phase		Three
Frame size		280
Power(50Hz)	kW	90.00
Current(A)400V	Δ	153.61
Current(A)690V	Y	89.05
Speed(50Hz)	(r/min)	1485
Service Factor		1.0
Efficiency	IE4	
	Eff.100%	96.10
	Eff.75%	96.10
	Eff.50%	95.80
Power factor cosφ	100% load	0.88
60Hz 460/793V	Power(kW)	103.50
60Hz 480/830V	Power(kW)	108.00
Speed(60Hz)	(r/min)	1782
Regulations		IEC / DIN / ISO / VDE / EN
Standard		IEC 60034
Ambient Temp.		-20°C ~ +40°C
Maximum altitute		1000 m above sea level

Rated torque(N.m)	579.00
Tst/Tn (Times)	2
Tmax/Tn (Times)	2.3
Tmin/Tn (Times)	1
Ist/In (Times)	8.5
LRC (A)400V	1305.67
LRC (A)690V	756.91
Bearings type(DE)	6316C3
Bearings type(NDE)	6316C3
Cable glands	2-M50*1.5
Insulation class	F
Protection degree	IP 55
Thermal protection	3*PTC
Rotation direction	Clockwise
Service duty	S1
Balance	Half-key balanced
Cooling	IC 411
Noise dB(A)	80
Net weight(kg)	671.00
Moment of inertia（kg*m²）	2.377464195

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