



TEC ELECTRIC MOTORS LTD.

Technical Data Sheet

Model

T4C 280S-4

Housing material		Cast Iron
Phase		Three
Frame size		280S
Power(50Hz)	kW	75.00
Current(A)400V	Δ	129.61
Current(A)690V	Y	75.14
Speed(50Hz)	(r/min)	1485
Efficiency	IE4	
	Eff.100%	96.00
	Eff.75%	96.10
	Eff.50%	95.40
Power factor cos ϕ	100% load	0.87
60Hz 460/793V	Power(kW)	86.25
60Hz 480/830V	Power(kW)	90.00
Speed(60Hz)	(r/min)	1782
Regulations		IEC / DIN / ISO / VDE / EN
Standard		IEC 60034
Ambient Temp.		-20°C ~ +40°C
Maximum altitude		1000 m above sea level

Rated torque(N.m)	482.32
Tst/Tn (Times)	2
Tmax/Tn (Times)	2.3
Tmin/Tn (Times)	1
Ist/In (Times)	8.5
Bearings type(DE)	6316C3
Bearings type(NDE)	6316C3
Oil seals	80*100*10
Cable glands	2-M50*1.5
Insulation class	F
Protection degree	IP 55
Thermal protection	PTC150°C
Rotation direction	Clockwise
Service duty	S1
Balance	Half-key balanced
Cooling	IC 411
Noise dB(A)	80
Net weight(kg)	603.00
Moment of inertia (kg*m ²)	2.149043668