



# TEC ELECTRIC MOTORS LTD.

## Technical Data Sheet

### Model T4C 280S-2

Housing material		Cast Iron
Phase		Three
Frame size		280S
Power(50Hz)	kW	75.00
Current(A)400V	Δ	127.23
Current(A)690V	Y	73.76
Speed(50Hz)	(r/min)	2980
Efficiency	IE4	
	Eff.100%	95.60
	Eff.75%	95.80
	Eff.50%	95.00
Power factor cosφ	100% load	0.89
60Hz 460/793V	Power(kW)	86.25
60Hz 480/830V	Power(kW)	90.00
Speed(60Hz)	(r/min)	3576
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)	240.35
Tst/Tn (Times)	1.8
Tmax/Tn (Times)	2.3
Tmin/Tn (Times)	0.9
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)	91
Net weight(kg)	554.00
Moment of inertia (kg*m <sup>2</sup> )	1.267001890