



TEC Electric Motors Ltd, 291-296 Oak Drive, Hartlebury Trading Est, Kidderminster, Worcs, DY10 4JB

T: 01299 252 990 F: 01299 253 597 www.tecmotors.co.uk

Technical Data Sheet

Model		T3AB 90L1-4	
Housing material		Aluminum	
Phase		Three	
Frame size		90	
Power(50Hz)	kW	1.50	
Current(A)230V	Δ	5.71	
Current(A)400V	Y	3.30	
Speed(50Hz)	(r/min)	1440	
Efficiency	IE3		
	Eff.100%	85.30	
	Eff.75%	85.30	
	Eff.50%	83.10	
Power factor cosφ	100% load	0.77	
60Hz 265/460V	Power(kW)	1.73	
60Hz 276/480V	Power(kW)	1.80	
Speed(60Hz)	(r/min)	1730	
BLC brake		BLC457-10	
Brake torque(Speed100r/min)(Nm)		23	
Regulations		IEC / DIN / ISO / VDE / EN	
Standard		IEC 60034	
Ambient Temp.		-20°C ~ +40°C	
Rated torque(N.m)		9.95	
Tst/Tn (Times)		3.7	
Tmax/Tn (Times)		3.6	
Tmin/Tn (Times)		2.9	
Ist/In (Times)		8	
Bearings type(DE)		6205-2RZ	
Bearings type(NDE)		6205-2RZ	
Oil seals		25x37x7	
Cable glands		1-M20*1.5	
Insulation class		F	
Protection degree		IP 55	
Thermal protection		3x PTC Thermistors	
Rotation direction		Clockwise	
Service duty		S1	
Balance		Half-key balanced	
Cooling		IC 411	
Noise dB(A)		61	
Net weight(kg)		22.34	
Moment of inertia (kg*m ²)		0.004685461	
Maximum altitute		1000 m above sea level	

Up to 3.0KW supplied with 205Vdc brake and full wave rectifier, 4.0KW and above supplied with 190Vdc brake and half wave rectifier. All prices include manual hand release. * The torque figures are set and cannot be changed. If different values are required please refer to our retrofit range.