

TEC ELECTRIC MOTORS LTD



Data Sheet				No.	
Three Phase Induction Motor				Drawing No.	
Customer					
Client reference					
Type:		IE3-355L-2 355KW 400/690V 50HZ			
Brand		TEC		Date	
Identification					
Frame:	355	mm	Insulation Class:	F	
Output:	355	kW	Temperature Rise:	80K	
Frequency:	50	Hz	Service Factor:	1.0	
Poles:	2	P	Duty:	S1	
Rated Speed:	2973	rpm	Ambient Temperature:	-20~40°C	
Slip:	0.9	%	Altitude:	1000m	
Rated Voltage:	400 / 690	V	Protection Degree:	IP55	
Connection:	△/Y		Cooling:	IC411	
Rated Current:	587.8 / 340.7	A	Mounting:	IM B3	
Rotor Voltage:			Vibration:	2.8 mm/s	
Connection:			Approx. Weight:	1828	kg
Rotor Current:			Moment of Inertia:	4.4632	kg/m2
Locked Rotor Current:	750	%	Noise Level (Lp) :	93	dB(A)
No Load Current:			Direction of Rotation:	Both	
Rated Torque:	1140.3	Nm	Starting Method:	DIRECT ON LINE	
Locked Rotor Torque:	160	%	Coupling:	DIRECT	
Breakdown Touque:	220	%	Load Type:	PARABOLIC CURVE	
Performance			Bearing Information		
Output:	50%	75%	100%	DE	NDE
Efficiency(%):	92.9	95.9	95.8	Bearing:	6317C3
Power Factor:	0.77	0.86	0.91	Regreasing int.(h):	2000
				Grease amount(g)	37
				Grease-PolyrexEM	Caltex SRI-2
Notes / Accessories			Deviation Sheet		
Winding: 3XPTC150°C			TEC		
			Customer		
Standards			PRELIMINARY DOCUMENT		
Specification: IEC60034-1 / GB755					
Test: IEC60034-2 / GB/T1032					
Noise: IEC60034-9 / GB10069.3					
Vibration: IEC60034-14 / GB10068					
Edition					
Performed	Checked	Date			
Item	Changes		Performed	Checked	Date