DATASHEET

Three Phase Induction Motor	Drawing No.	
SKU:	TB394A1851T001	
Type:	**T3A-IE3 180M-4 18,5kW 400/690V 50Hz**	

Identification

Frame:	180	mm	Insulation Class:	F	
Output:	18,5	kW	Temperature Rise:	80K	
Frequency:	50	Hz	Service Factor:	1,0	
Poles:	4	P	Duty:	S1	
Rated Speed:	1470	rpm	Ambient Temperature:	-20~40	
Slip:	2,0	%	Altitude:	1000m	
Rated Voltage:	400 / 690	V	Protection Degree:	IP55	
Connection:	Δ/Y		Cooling:	IC411	
Rated Current:	33,5 / 19,4	A	Mounting:	B3;B35;B5;V1;V3;V15	
Rotor Voltage:			Vibration:	2,2 mm/s	
Connection:			Approx. Weight:	130	kg
Rotor Current:			Moment of Inertia:	0,1732931	kg/m2
Locked Rotor Current:	880	%	Noise Level（Lp）:	83	dB(A)
No Load Current:			Direction of Rotation:	BOTH	
Rated Torque:	120,2	Nm	Starting Method:	DIRECT ON LINE	
Locked Rotor Torque:	280	%	Coupling:	DIRECT	
Breakdown Torque:	330	%	**Load Type:**	PARABOLIC CURVE	
Nominal Power Loses	7,99	%			

Performance

Output:	50%	75%	100%
Efficiency(%):	89,8	92,7	92,6
Power Factor:	0,73	0,82	0,86

Bearing Information

	DE	NDE
Bearing:	6311 2RZ C3	6211 2RZ C3
Regreasing int.(h):		
Grease amount(g)		
Grease-PolyrexEM		

Accessories

3x PTC 150°C

Notes

Standards

Specification:	IEC60034-1/GB755
Test:	IEC60034-2/GB/T1032
Noise:	IEC60034-9/GB10069.3
Vibration:	IEC60034-14/GB10068

PRELIMINARY DOCUMENT

Edition

Performed	Checked	Date

Item	Changes	Performed	Checked	Date

There may be differences between rating plate and calculated values.