


DATA SHEET FOR THREE-PHASE SQUIRREL-CAGE MOTOR

Type: DM3-IE3 225M2

Electrical data				General data		
Rated motor frequency	50Hz	60Hz		Frame size	225	mm
Rated motor power	45,0	54,0	kW	Mounting	B3,B5,B35	
Rated motor speed	2970	3564	RPM	Weight	312kg	
Rated motor voltage	400 / 690	440 - 480	V	Casing material	Cast Iron	
Rated motor torque	145		Nm	Protection	IP	55
Rated motor current	76,8 / 44,5	83,8 - 76,8	A	Insulation class	F	
Starting motor current	7,7		xIn	Temp. Rise	80K	
Starting motor torque	2,0		xMn	Vibration	2,8mm/s	
Brakedown motor torque	2,5			Duty	S1	
Starting			D.O.L	Dir. Rotation	Both	
Efficiency class	IE3			PTC	3 x 150°C	
Efficiency	94,00%		100% load	RAL	7031	
	94,20%		75% load	Site Conditions		
	92,20%		50% load	Ambient temperature	from -20°C to +45°C	
Power factor cosp	0,90		100% load	Altitude above sea level	1000 m	

Mechanical data					
Noise level	86	dB(A)	Bearing DE side	6313 ZZ C3	
Moment of inertia	0,36	kg/m ²	Bearing NDE side	6313 ZZ C3	

Certification:	Extras:		
			
	Drawing made by	Date	sign.
	Dennis Barrit	26-10-2020	

There may be differences between rating plate and calculated values