

DATA SHEET FOR THREE-PHASE SQUIRREL-CAGE MOTOR


Type: DM3-IE2 250M6

Electrical data			
Rated motor frequency	50Hz	60Hz	
Rated motor power	37,0	44,4	kW
Rated motor speed	980	1176	RPM
Rated motor voltage	400 / 690	440 - 480	V
Rated motor torque	361		Nm
Rated motor current	69,8 / 40,5	76,1 - 69,8	A
Starting motor current	7,0		xIn
Starting motor torque	2,2		xMn
Brakedown motor torque	2,4		
Starting			D.O.L
Efficiency class	IE2		
Efficiency	92,20%		100% load
	92,40%		75% load
	92,00%		50% load
Power factor cosp	0,83		100% load

General data		
Frame size	250	mm
Mounting	B3,B5,B35	
Weight	366kg	
Casing material	Cast Iron	
Protection	IP	55
Insulation class	F	
Temp. Rise	80K	
Vibration	2,8mm/s	
Duty	S1	
Dir. Rotation	Both	
PTC	3 x 150°C	
RAL	7031	
Site Conditions		
Ambient temperature	from -20°C to +40°C	
Altitude above sea level	1000 m	

Mechanical data			
Noise level	75	dB(A)	Bearing DE side
Moment of inertia	0,8368	kg/m2	Bearing NDE side
			6314 ZZ C3
			6314 ZZ C3

Certification:



Extras:

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

There may be differences between rating plate and calculated values