


# DATA SHEET FOR THREE-PHASE SQUIRREL-CAGE MOTOR

## Type: DM3 250M6

Electrical data				General data		
Rated motor frequency	50Hz	60Hz		Frame size	250	mm
Rated motor power	37,0	44,4	kW	Mounting	B3,B5,B35	
Rated motor speed	980	1176	RPM	Weight	366kg	
Rated motor voltage	400 / 690	440 - 480	V	Casing material	Cast Iron	
Rated motor torque	361		Nm	Protection	IP	55
Rated motor current	67,5 / 39,1	73,6 - 67,5	A	Insulation class	F	
Starting motor current	7,0		xIn	Temp. Rise	80K	
Starting motor torque	2,2		xMn	Vibration	2,8mm/s	
Brakedown motor torque	2,4			Duty	S1	
Starting			D.O.L	Dir. Rotation	Both	
Efficiency class				PTC	3 x 150°C	
Efficiency	92,00%		100% load	RAL	7031	
	92,20%		75% load	<b>Site Conditions</b>		
	91,80%		50% load	Ambient temperature	from -20°C to +40°C	
Power factor cosp	0,86		100% load	Altitude above sea level	1000 m	

Mechanical data					
Noise level	78	dB(A)	Bearing DE side	6314 ZZ C3	
Moment of inertia	0,8368	kg/m <sup>2</sup>	Bearing NDE side	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