


# DATA SHEET FOR THREE-PHASE SQUIRREL-CAGE MOTOR

## Type: DM3 160M2

Electrical data				General data		
Rated motor frequency	50Hz	60Hz		Frame size	160	mm
Rated motor power	11,0	13,2	kW	Mounting	B3,B5,B35	
Rated motor speed	2930	3516	RPM	Weight	107kg	
Rated motor voltage	400 / 690	440 - 480	V	Casing material	Cast Iron	
Rated motor torque	36		Nm	Protection	IP	55
Rated motor current	20,18 / 11,70	22,02 - 20,18	A	Insulation class	F	
Starting motor current	7,9		xIn	Temp. Rise	80K	
Starting motor torque	2,2		xMn	Vibration	2,8mm/s	
Brakedown motor torque	2,3			Duty	S1	
Starting			D.O.L	Dir. Rotation	Both	
Efficiency class				PTC	3 x 150°C	
Efficiency	88,40%		100% load	RAL	7031	
	87,80%		75% load	<b>Site Conditions</b>		
	87,40%		50% load	Ambient temperature	from -20°C to +45°C	
Power factor cosφ	0,89		100% load	Altitude above sea level	1000 m	

Mechanical data					
Noise level	86	dB(A)	Bearing DE side	6309 ZZ C3	
Moment of inertia	0,0359	kg/m <sup>2</sup>	Bearing NDE side	6309 ZZ C3	

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

There may be differences between rating plate and calculated values