


# DATA SHEET FOR THREE-PHASE SQUIRREL-CAGE MOTOR

## Type: DM3 180L6

Electrical data				General data		
Rated motor frequency	50Hz	60Hz		Frame size	180	mm
Rated motor power	15,0	18,0	kW	Mounting	B3,B5,B35	
Rated motor speed	970	1164	RPM	Weight	169kg	
Rated motor voltage	400 / 690	440 - 480	V	Casing material	Cast Iron	
Rated motor torque	148		Nm	Protection	IP	55
Rated motor current	30,0 / 17,4	32,8 - 30,0	A	Insulation class	F	
Starting motor current	7,3		xIn	Temp. Rise	80K	
Starting motor torque	2,1		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	89,00%		100% load	RAL	7031	
	89,30%		75% load	<b>Site Conditions</b>		
	88,50%		50% load	Ambient temperature	from -20°C to +40°C	
Power factor cosp	0,81		100% load	Altitude above sea level	1000 m	

Mechanical data					
Noise level	73	dB(A)	Bearing DE side	6311 ZZ C3	
Moment of inertia	0,2174	kg/m <sup>2</sup>	Bearing NDE side	6311 ZZ C3	

Certification:	Extras:			
				
<b>Drawing made by</b>			<b>Date</b>	<b>sign.</b>
Dennis Barrit			26-10-2020	

There may be differences between rating plate and calculated values