

# DATA SHEET FOR THREE-PHASE SQUIRREL-CAGE MOTOR

## Type: DM3 280M2

Electrical data			
Rated motor frequency	50Hz	60Hz	
Rated motor power	90,0	108,0	kW
Rated motor speed	2970	3564	RPM
Rated motor voltage	400 / 690	440 - 480	V
Rated motor torque	289		Nm
Rated motor current	155,4 / 90,1	169,6 - 155,4	A
Starting motor current	6,9		xIn
Starting motor torque	1,8		xMn
Brakedown motor torque	2,3		
Starting			D.O.L
Efficiency class			
Efficiency	93,90%		100% load
	93,50%		75% load
	92,30%		50% load
Power factor cosp	0,89		100% load

General data		
Frame size	280	mm
Mounting	B3,B5,B35	
Weight	530kg	
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	94	dB(A)	Bearing DE side
Moment of inertia	0,631	kg/m <sup>2</sup>	Bearing NDE side
			6314 C3
			6314 C3

Certification:
CE

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

There may be differences between rating plate and calculated values