

# IE3

"Premium Efficiency"



## DATA SHEET FOR THREE-PHASE SQUIRREL-CAGE MOTOR

### Type: DM3-IE3 225M4

Electrical data			
Rated motor frequency	50Hz	60Hz	
Rated motor power	45,0	54,0	kW
Rated motor speed	1480	1776	RPM
Rated motor voltage	400 / 690	440 - 480	V
Rated motor torque	290		Nm
Rated motor current	80,18 / 46,48	87,47 - 80,18	A
Starting motor current	7,4		xIn
Starting motor torque	2,0		xMn
Brakedown motor torque	2,6		
Starting			D.O.L
Efficiency class	IE3		
Efficiency	94,20%		100% load
	94,40%		75% load
	94,00%		50% load
Power factor cosp	0,86		100% load

General data		
Frame size	225	mm
Mounting	B3,B5,B35	
Weight	340kg	
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	78	dB(A)	Bearing DE side	6313 ZZ C3
Moment of inertia	0,758	kg/m <sup>2</sup>	Bearing NDE side	6313 ZZ C3

Certification:

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

There may be differences between rating plate and calculated values