

# IE3

"Premium Efficiency"



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

### Type: DM3-IE3 315M6

Electrical data			
Rated motor frequency	50Hz	60Hz	
Rated motor power	90,0	108,0	kW
Rated motor speed	990	1188	RPM
Rated motor voltage	400 / 690	440 - 480	V
Rated motor torque	868		Nm
Rated motor current	161,0 / 93,4	175,7 - 161,0	A
Starting motor current	6,7		xIn
Starting motor torque	2,0		xMn
Brakedown motor torque	2,4		
Starting			D.O.L
Efficiency class	IE3		
Efficiency	94,90%		100% load
	95,10%		75% load
	94,50%		50% load
Power factor cosp	0,85		100% load

General data		
Frame size	315	mm
Mounting	B3,B5,B35	
Weight	935kg	
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	83	dB(A)	Bearing DE side	6319 C3
Moment of inertia	4,5	kg/m2	Bearing NDE side	6319 C3

**Certification:**

**Extras:**

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

There may be differences between rating plate and calculated values