

IE3

"Premium Efficiency"



DATA SHEET FOR THREE-PHASE SQUIRREL-CAGE MOTOR

Type: DM3-IE3 160L4

Electrical data			
Rated motor frequency	50Hz	60Hz	
Rated motor power	15,0	18,0	kW
Rated motor speed	1470	1764	RPM
Rated motor voltage	400 / 690	440 - 480	V
Rated motor torque	97		Nm
Rated motor current	27,34 / 15,85	29,82 - 27,34	A
Starting motor current	7,8		xIn
Starting motor torque	2,2		xMn
Brakedown motor torque	2,6		
Starting			D.O.L
Efficiency class	IE3		
Efficiency	92,10%		100% load
	92,40%		75% load
	91,60%		50% load
Power factor cosp	0,86		100% load

General data		
Frame size	160	mm
Mounting	B3,B5,B35	
Weight	148kg	
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	73	dB(A)	Bearing DE side	6309 ZZ C3
Moment of inertia	0,171	kg/m ²	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