

IE2

"High Efficiency"



DATA SHEET FOR THREE-PHASE SQUIRREL-CAGE MOTOR

Type: DM3-IE2 280M2

Electrical data			
Rated motor frequency	50Hz	60Hz	
Rated motor power	90,0	108,0	kW
Rated motor speed	2975	3570	RPM
Rated motor voltage	400 / 690	440 - 480	V
Rated motor torque	289		Nm
Rated motor current	155,1 / 89,9	169,2 - 155,1	A
Starting motor current	6,9		xIn
Starting motor torque	1,8		xMn
Brakedown motor torque	2,3		
Starting			D.O.L
Efficiency class	IE2		
Efficiency	94,10%		100% load
	93,70%		75% load
	92,50%		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	87	dB(A)	Bearing DE side	6314 C3
Moment of inertia	0,631	kg/m2	Bearing NDE side	6314 C3

Certification:

Extras:

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

There may be differences between rating plate and calculated values