DATA SHEET FOR THREE-PHASE SQUIRREL-CAGE MOTOR

Type: DM3 280S4

Electrical data

Rated motor frequency	50Hz	60Hz	
Rated motor power	75,0	90,0	kW
Rated motor speed	1485	1782	RPM
Rated motor voltage	400 / 690	440 - 480	V
Rated motor torque	482		Nm
Rated motor current	131,4 / 76,2	143,4 - 131,4	A
Starting motor current	6,9		xIn
Starting motor torque	2,2		xMn
Brakedown motor torque	2,3		
Starting			D.O.L
Efficiency class			
Efficiency	93,60%		100% load
	93,40%		75% load
	92,40%		50% load
Power factor cosφ	0,88		100% load

General data

Frame size	280	mm
Mounting	B3,B5,B35	
Weight	503kg	
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	86	dB(A)	Bearing DE side	6317 C3
Moment of inertia	1,1785	kg/m2	Bearing NDE side	6317 C3

Certification:

CE

Extras:

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

There may be differences between rating plate and calculated values

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