

IE2

"High Efficiency"



DATA SHEET FOR THREE-PHASE SQUIRREL-CAGE MOTOR

Type: DM3-IE2 280S6

Electrical data			
Rated motor frequency	50Hz	60Hz	
Rated motor power	45,0	54,0	kW
Rated motor speed	980	1176	RPM
Rated motor voltage	400 / 690	440 - 480	V
Rated motor torque	439		Nm
Rated motor current	82,4 / 47,8	89,9 - 82,4	A
Starting motor current	7,2		xIn
Starting motor torque	2,2		xMn
Brakedown motor torque	2,4		
Starting			D.O.L
Efficiency class	IE2		
Efficiency	92,70%		100% load
	92,80%		75% load
	92,10%		50% load
Power factor cosp	0,85		100% load

General data		
Frame size	280	mm
Mounting	B3,B5,B35	
Weight	469kg	
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	79	dB(A)	Bearing DE side	6317 C3
Moment of inertia	1,4151	kg/m2	Bearing NDE side	6317 C3

Certification:

Extras:

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

There may be differences between rating plate and calculated values