

Name	Drehstrom-Norm-Motor, Wirkungsgradklasse IE3
Efficiency class	IE3
Shaft Sealing DE/NDE [mm]	65 x 85 x 12 / 75 x 60 x 8
KZLMotor_schallleistungspegel	76
Allowed radial forces at Xo [N]	5750
Manufacturer	EMK
Allowed radial forces at Xmax [N]	4500
Type	KAE2G225S-4B3E3K
Rated output [kW]	37
Duty type	S1
Rated speed [rpm]	1480
Number of poles	4
Direction of rotation	Both
Rated voltage [V]	400
Voltage fluctuations [+/- %]	5
Connection	Delta
Rated frequency [Hz]	50
Frequency fluctuations [+/- %]	2
Rated current [A]	66,1
Locked rotor current [Ia/In]	9,4
Type of construction	B3
Degree of protection	IP55
Cooling method	IC411
Frame material	Grauguss
Insulation class	F
Temperature-rise	B
Efficiency [%]	93,9
Efficiency 3/4,2/4,1/4 [%]	93,9 / 92,0
Power factor [cos phi]	0,86
Power factor 3/4,2/4,1/4 [cos phi]	0,81 / 0,70
Rated torque [Nm]	239
Locked rotor torque [Ma/Mn]	3,4
Breakdown torque [Mk/Mn]	3,3
Moment of inertia J [kgm²]	0.607
Number of starts [cold/warm]	3/2
Ambient temperature	> -20°C < 40°C
Altitude above sea level	< 1000m
Bearing design	Antifriction bearing
Bearing design [d-end/nd-end]	6313-C3 / 6312-C3
Fixed bearing	Nd-end
Regreasing device	Yes
Type of shaft	Cylindrical
Shaft-dimensions [mm]	60 x 140
Shaft-height [mm]	225
Position of terminal box	On top
Cable entries	2x M50x1,5
Painting [RAL]	5010
Weight [kg]	308
Condition	Brand new

All of the above-mentioned data refer to the article in its standard version. Modifications or individual requirements of the chosen article are not considered in the technical data listing. You will find the modifications / special design executions as listed below.

Additional modifications

B3

3 PTC thermistors for tripping, 155C°

Reinforced ball bearings DE/NDE

Regreasing device

Fixed bearing [NDE]