

Motor specifications

Part number **3710051011**

Description **Motor DMC 1,1kW 230/400V 2P IE3 80B IP55 Pos. 800**

Electric Data

Rated power output	1,1kW
Maximum power output	1,5kW
Rated voltage	230/400V
Phases	3ph
Frequency	50/60Hz
Voltage range	207-253/360-440V
Motor poles	2P
ATEX class	
Duty class	S1
Insulation class	F (rise-B)
Moment of inertia	0,0014kgm ²
Motor standard	IEC
Capacitor	
Motor efficiency	84,0%/84,0%
Motor efficiency class	IE3

50Hz

Tolerance rated voltage	±10%
Rated speed	2880rpm
Starting current factor (Ia/In)	6.9
Rated current (In)	4,0/2,3A
Maximum current (Imax)	5,3/3,1A
Rated Cos phi	0.82
Sound pressure	55dB(A)(A)
Rated nominal torque	3,7Nm
Rated starting torque	13,6Nm

60Hz

Tolerance rated voltage	-10% / +25%
Rated speed	3440rpm
Starting current factor (Ia/In)	6.4
Rated current (In)	3,8/2,2A
Maximum current (Imax)	5,3/3,1A
Rated Cos phi	0.86
Sound pressure	58dB(A)(A)
Rated nominal torque	3,1Nm
Rated starting torque	9,7Nm

Motor protection

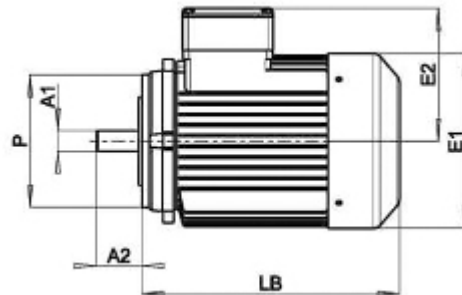
Motor protection class	IP55
Temperature sensor	
Rain cover	
Anti condensation heater	

Mechanical data

Shaft execution	smooth shaft
Maximum starts per hour	180
Cable gland	1xM20x1,5
VFD allowance	VFD allowed max. 400V

Dimensions

Diameter shaft A1	19mm
Length shaft A2	40mm
Diameter motor E1	150mm
Terminal box height E2	115mm
Diameter flange P	120mm
L. motor (without shaft) LB	264mm
Frame size	80B
Motor construction type	IM V18
Motor face	IEC 60034-7 Form FT 100



Bearings / lubrication

Grease nipple	
Bearing fixation pos	D-end
D-end bearing type	6204-2RS-C3
Bearing grease	Lithium based -20°/+160

Details

Motor label	DMC
Weight	11,8 kg
Lifting lugs	
Motor finish	RAL5002
Rated max. amb. temp.	40°C
Material housing	Aluminium