

Motor specifications

Part number **3710051015**

Description **Motor DMC 1,5kW 230/400V 2P IE3 90S IP55 Pos. 800**

Electric Data

Rated power output	1,5kW
Maximum power output	2,2kW
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	84,2%/84,0%
Motor efficiency class	IE3

50Hz

Tolerance rated voltage	±10%
Rated speed	2880rpm
Starting current factor (Ia/In)	8
Rated current (In)	5,5/3,2A
Maximum current (Imax)	8,0/4,6A
Rated Cos phi	0.81
Sound pressure	55dB(A)(A)
Rated nominal torque	5,0Nm
Rated starting torque	17,5Nm

60Hz

Tolerance rated voltage	-10% / +25%
Rated speed	3455rpm
Starting current factor (Ia/In)	7.5
Rated current (In)	5,1/2,9A
Maximum current (Imax)	8,0/4,6A
Rated Cos phi	0.88
Sound pressure	58dB(A)(A)
Rated nominal torque	4,1Nm
Rated starting torque	14,4Nm

Motor protection

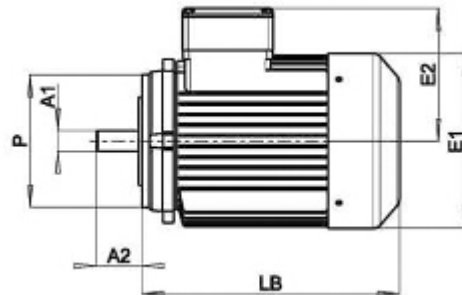
Motor protection class	IP55
Temperature sensor	
Rain cover	
Anti condensation heater	

Mechanical data

Shaft execution	smooth shaft
Maximum starts per hour	50
Cable gland	1xM20x1,5
VFD allowance	VFD allowed max. 400V

Dimensions

Diameter shaft A1	24mm
Length shaft A2	50mm
Diameter motor E1	185mm
Terminal box height E2	139mm
Diameter flange P	140mm
L. motor (without shaft) LB	281mm
Frame size	90S
Motor construction type	IM V18
Motor face	IEC 60034-7 Form FT 115



Bearings / lubrication

Grease nipple	
Bearing fixation pos	D-end
D-end bearing type	6305-2Z-C3
Bearing grease	Lithium based -20°/+160

Details

Motor label	DMC
Weight	14,5 kg
Lifting lugs	
Motor finish	RAL5002
Rated max. amb. temp.	40°C
Material housing	Aluminium