

Motor specifications

Part number **3710152030**

Description **Motor DMC 3kW 400/690V 2P IE3 100L IP55 3xPTC Pos. 800**

Electric Data

Rated power output	3kW
Maximum power output	4,0kW
Rated voltage	400/690V
Phases	3ph
Frequency	50/60Hz
Voltage range	360-440/621-759V
Motor poles	2P
ATEX class	
Duty class	S1
Insulation class	F (rise-B)
Moment of inertia	0,0039kgm ²
Motor standard	IEC
Capacitor	
Motor efficiency	87,1%/86,4%
Motor efficiency class	IE3

50Hz

Tolerance rated voltage	±10%
Rated speed	2920rpm
Starting current factor (Ia/In)	9.3
Rated current (In)	5,8/3,3A
Maximum current (Imax)	7,5/4,3A
Rated Cos phi	0.85
Sound pressure	57dB(A)(A)
Rated nominal torque	9,8Nm
Rated starting torque	31,4Nm

60Hz

Tolerance rated voltage	-10% / +25%
Rated speed	3495rpm
Starting current factor (Ia/In)	7.6
Rated current (In)	5,6/3,2A
Maximum current (Imax)	7,5/4,3A
Rated Cos phi	0.9
Sound pressure	61dB(A)(A)
Rated nominal torque	8,2Nm
Rated starting torque	20,2Nm

Motor protection

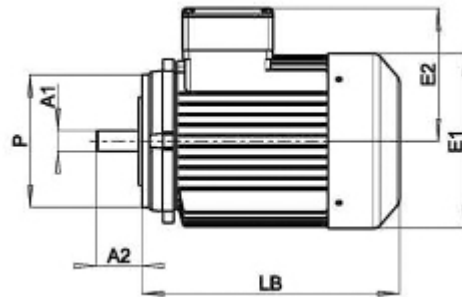
Motor protection class	IP55
Temperature sensor	3xPTC
Rain cover	
Anti condensation heater	

Mechanical data

Shaft execution	smooth shaft
Maximum starts per hour	30
Cable gland	2xM20x1,5
VFD allowance	VFD allowed max. 400V

Dimensions

Diameter shaft A1	28mm
Length shaft A2	60mm
Diameter motor E1	199mm
Terminal box height E2	150mm
Diameter flange P	160mm
L. motor (without shaft) LB	317mm
Frame size	100L
Motor construction type	IM V18
Motor face	IEC 60034-7 Form FT 130



Bearings / lubrication

Grease nipple	
Bearing fixation pos	D-end
D-end bearing type	6306-2Z-C3
Bearing grease	Lithium based -20°/+160

Details

Motor label	DMC
Weight	28kg
Lifting lugs	
Motor finish	RAL5002
Rated max. amb. temp.	40°C
Material housing	Aluminium