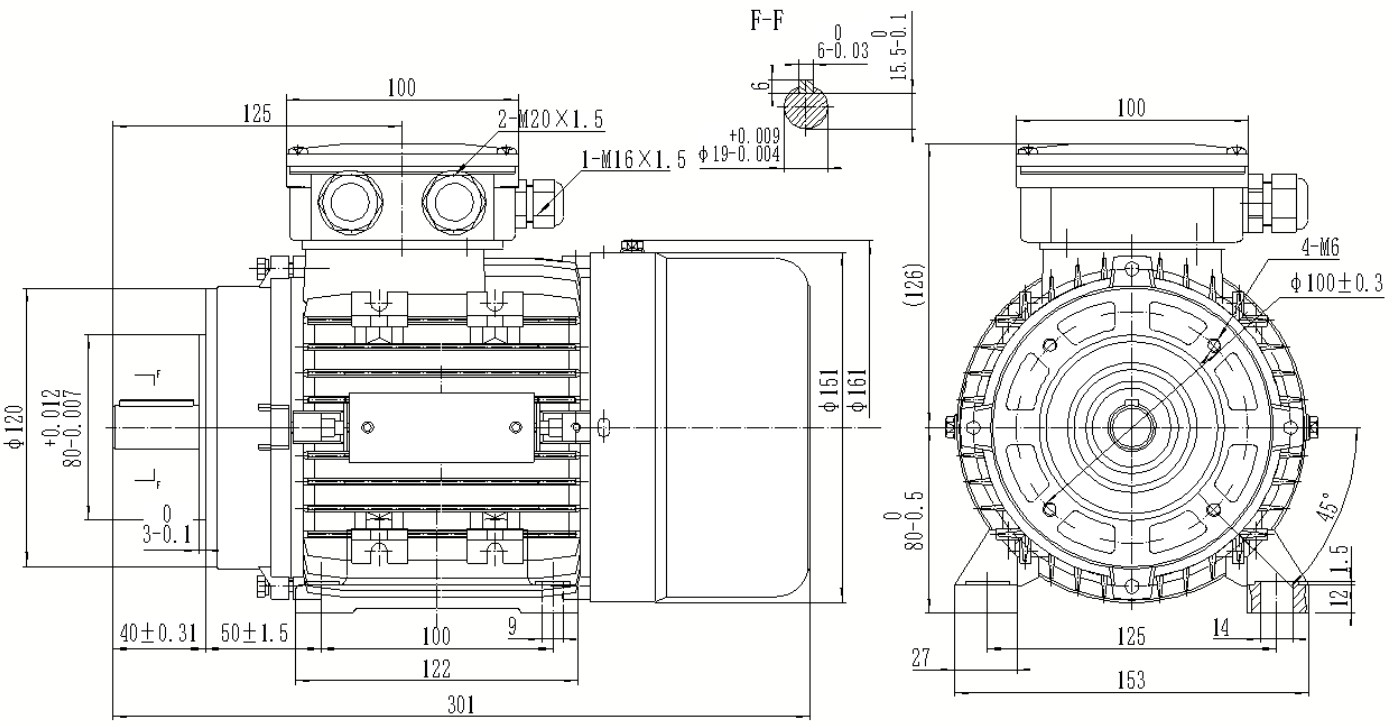
TECHNICAL DATA

Three Phase Electric Motors-Aluminum Frame – PM1A80C2



Type	**PM1A80C2 PTC**
Frame Size	**80**
Capacity	**1.5kW**
Speed / Pole	**2730 RPM / 2 Pole**
Mounting Position	**IMB34**
Insulation Class	**F**
Protection Class	**IP55**
Duty Cycle	**S1 Continuous**
Temperature Rise Class	**B**
Ambient temp. (˚C)	**45˚C**
Cooling method	**IC411 self-Ventilated**

Efficiency	**IE1 Efficiency**
Power Factor COS (phi)	**84%**
I-starting / I-nominal	**6.0**
T-starting / T-nominal	**2.8**
T-max/Tn	**3.1**
Full Load Torque	**5.2Nm**
Thermal protection	**PTC thermistor**
Noise	**72dB**
Bearing DE	**SKF 6204 C3**
Bearing NDE	**SKF 6204 C3**
Weight (kg)	**12.5**

Electrical data:

Rated Power (kW)	1.5		1.46		1.7		1.7
Frequency (Hz)	50		50		60		60
Voltage (V)	230	400	220	380	276	480	440
Speed (RPM)	2730	2730	2730	2730	3310	3310	3310
Connection	Δ	Y	Δ	Y	Δ	Y	Y
Full load current (A)	5.57	3.2	5.87	3.4	5.57	3.2	3.4

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