pro MOTOR

ML 80 1-2

Technical data sheet

General data	
Frame size	80
Housing material	Aluminum
Install model	According to the standard
Type of feet	Removable feet
Net weight	9 kg
Insulation class	F
Protection degree	IP 55
Thermal protection	Bimetallic sensor
Rotation direction	Clockwise
Service duty	S1
Vibration level	A
Balance	Half-key balanced
Cable glands	1 - M20 × 1.5
Cooling	IC 411
Painting color	RAL 5010
Regulations	IEC / DIN / ISO / VDE / EN
Standard	IEC 60034

Environmental conditions	
Ambient temperature	From -20°C to +40°C
Maximum altitute	1000 m above sea level

Electrical data		
Output	0.75	kW
Frequency	50	Hz
Voltage (±5%)	230	V Δ @ 50Hz
Rotation speed	2840	RPM @ 50Hz
Rated current	4.25	A (In) @ Δ 50Hz
Starting current	6.5	×In
Rated torque	2.52	Nm (Mn)
Starting torque	2.5	×Mn
Breakdown torque	1.8	×Mn
Efficiency	77.5	@ 100% load @ 75% load @ 50% load
Power factor cosφ	0.99	@ 100% load

Mechanical data		
Bearings brand	C&U	
Bearings type	6204 2RZ C3 6204 2RZ C3	(DE) (NDE)
Lifetime of bearings		20000 hours
Allowed radial load Allowed axial load		599 N 465 N
Start capacitor Run capacitor		75 µF / 250 V 20 µF / 450 V
Moment of inertia	0.000781	Kg*m²
Noise level	75	dB(A)