MS 90S-4

Technical data sheet

General data	
Frame size	90
Housing material	Aluminum with iron shields
Install model	According to the standard
Type of feet	Removable feet
Net weight	12 kg
Insulation class	F
Protection degree	IP 55
Thermal protection	Bimetallic sensor
Rotation direction	Clockwise
Service duty	S4-80% 30c/h
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	1.1	kW
Frequency	50	Hz
Voltage (±5%)	230 400 276 480	V Δ @ 50Hz V Y @ 50Hz V Δ @ 60Hz V Y @ 60Hz
Rotation speed	1400 1680	RPM @ 50Hz RPM @ 60Hz
Rated current	4.68 2.69	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	6	×In
Rated torque	7.5	Nm (Mn)
Starting torque	2.9	×Mn
Breakdown torque	2.7	×Mn
Efficiency	75.5 76.7 74.4	@ 100% load @ 75% load @ 50% load
Power factor cosφ	0.78	@ 100% load

Mechanical data		
Bearings brand	C&U	
Bearings type	6205 2RZ C3 6205 2RZ C3	(DE) (NDE)
Allowed radial load Allowed axial load		812 N 672 N
Moment of inertia	0.00244	Kg*m²
Noise level	61	dB(A)