



## Technical Data Sheet

General data	
Frame size	90
Housing material	Aluminum
Install model	According to the standard
Type of feet	Removable feet
Net weight	14.36 kg
Insulation class	F (Standard) H (Optional)
Protection degree	IP 55 (Standard) IP 56 (Optional)
Thermal protection	Without (Standard) Customizable (Optional)
Rotation direction	Clockwise (Standard) Counter clockwise (Optional)
Service duty	S1
Vibration level	A
Balance	Half-key balanced
Cable glands	1 - M20 × 1.5
Cooling	IC 411
Painting color	RAL 7024 (Standard) Customizable (Optional)
Regulations	IEC / DIN / ISO / VDE / EN
Standard	IEC 60034

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

Electrical data		
Output	1.5	kW
Frequency	50	Hz
Voltage (±5%)	230	V Δ @ 50Hz
Rotation speed	3432	RPM @ 50Hz
Rated current	8.19	A (In) @ Δ 50Hz
Starting current	6.4	×In
Rated torque	5.01	Nm (Mn)
Starting torque	2.3	×Mn
Breakdown torque	1.8	×Mn
Efficiency	81.3 81.5 77.3	IE2 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.98	@ 100% load

Mechanical data		
Bearings brand	C&U (Standard) Customizable (Optional)	
Bearings type	6205 2RZ C3 (DE) 6205 2RZ C3 (NDE)	
Lifetime of bearings	20000 hours	
Allowed radial load	646 N	
Allowed axial load	495 N	
Grease type	-	
Lubrication interval of NDE bearing	- h	
Lubrication interval of DE bearing	- h	
Moment of inertia	0.00221	Kg*m <sup>2</sup>
Noise level	80	dB(A)

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