

Technical Data Sheet

General data		
Frame size	90	
Housing material	Casting iron	
Install model	According to the standard	
Type of feet	Removable feet (Standard) <i>Fixed feet</i> (Optional)	
Net weight	21.4 kg	
Insulation class	F H	(Standard) (Optional)
Protection degree	IP 55 IP 56	(Standard) (Optional)
Thermal protection	Without <i>Customizable</i>	(Standard) (Optional)
Rotation direction	Clockwise <i>Counter clockwise</i>	(Standard) (Optional)
Service duty	S1	
Vibration level	A	
Balance	Half-key balanced	
Cable glands	1 - M20× 1.5	
Cooling	IC 411	
Painting color	RAL 7024 <i>Customizable</i>	(Standard) (Optional)
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	1430 1716	RPM @ 50Hz RPM @ 60Hz
Rated current	4.54 2.62	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	6.8	×In
Rated torque	7.3461538462	Nm (Mn)
Starting torque	2.8	×Mn
Breakdown torque	2.8	×Mn
Efficiency	84.1 84.6 83.2	IE3 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.72	@ 100% load

Mechanical data		
Bearings brand	C&U <i>Customizable</i>	(Standard) (Optional)
Bearings type	6205 2RS C3 6205 2RS C3	(DE) (NDE)
Lifetime of bearings	40000 hours	
Allowed radial load Allowed axial load	778 N 5253 N	
Grease type		
Lubrication interval of NDE bearing Lubrication interval of DE bearing	h h	
Moment of inertia	0.00372	Kg*m ²
Noise level	59	dB(A)