

Technical data sheet

General data	
Frame size	250
Housing material	Casting iron
Install model	According to the standard
Type of feet	Fixed feet
Net weight	435 kg
Insulation class	F
Protection degree	IP 55
Thermal protection	3x PTC 150°C
Rotation direction	Clockwise
Service duty	S1
Vibration level	A
Balance	Half-key balanced
Cable glands	2x M64
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 altitude	1000 m above sea level

Electrical data		
Output	55	kW
Frequency	50	Hz
Voltage (±5%)	400 690 480 828	V Δ @ 50Hz V Y @ 50Hz V Δ @ 60Hz V Y @ 60Hz
Rotation speed	2975 3570	RPM @ 50Hz RPM @ 60Hz
Rated current	93.54 54.22	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	7.7	×In
Rated torque	176.60	Nm (Mn)
Starting torque	2.0	×Mn
Breakdown torque	2.3	×Mn
Efficiency	94.3 94.5 93.1	IE3 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.9	@ 100% load

Mechanical data		
Bearings brand	SKF Explorer	
Bearings type	6314 C3 6314 C3	(DE) (NDE)
Allowed radial load	4641 N	
Allowed axial load	45300 N	
Lubrication interval of NDE bearing	4000 h	
Lubrication interval of DE bearing	4000 h	
Moment of inertia	0.791000	Kg*m ²
Noise level	89	dB(A)