KEM MOTOR

4L-315S-4

Technical data sheet

General data	
Frame size	315S
Housing material	Casting iron
Install model	According to the standard
Type of feet	Fixed feet
Net weight	985
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	2xM72
Cooling	IC 411
Painting color	RAL 7024
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	110	kW
Frequency	50	Hz
Voltage (±5%)	400	V Δ @ 50Hz
	690	V Y @ 50Hz
Rotation speed	1490	RPM @ 50Hz
	1788	RPM @ 60Hz
Rated current	185.1	A (In) @ Δ 50Hz
	106.9	A (In) @ Y 50Hz
Starting current	7	×In
Rated torque	705	Nm (Mn)
Starting torque	2	×Mn
Breakdown torque	2.2	×Mn
Efficiency	IE4	
	96.30%	@ 100% load
	96.20%	@ 75% load
	95.32%	@ 50% load
Power factor cosφ	0.89	@ 100% load
Bearings brand	SKF/NSK/FAG Explorer	
Bearings type	NU319	(DE)
	6319	(NDE)

Mechanical data		
Allowed radial load		-
Allowed axial load		-
Lubrication interval of NDE bearing		2000
Lubrication interval of DE bearing		2000
Moment of inertia	3.807	Kg*m²
Noise level	88	dB(A)