Elektro-motory s.r.o.
SEIFERT

YX3 160M-6

Technical data sheet

General data	
Frame size	160
Housing material	Casting iron
Install model	According to the standard
Type of feet	Fixed feet
Net weight	110 kg
Insulation class	F
Protection degree	IP 55
Thermal protection	3x PTC 150°C
Rotation direction	Clockwise
Service duty	S4-80% 30c/h
Vibration level	A
Balance	Half-key balanced
Cable glands	2x M36
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	7.5	kW
Frequency	50	Hz
Voltage (±5%)	400 690 480 828	V Δ @ 50Hz V Y @ 50Hz V Δ @ 60Hz V Y @ 60Hz
Rotation speed	970 1164	RPM @ 50Hz RPM @ 60Hz
Rated current	15.60 9.04	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	6.7	×In
Rated torque	73.80	Nm (Mn)
Starting torque	2.2	×Mn
Breakdown torque	2.5	×Mn
Efficiency	IE2 89.0 89.5 88.9	 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.78	@ 100% load

Mechanical data		
Bearings brand	SKF Explorer	
Bearings type	6309 C3 6309 C3	(DE) (NDE)
Allowed radial load Allowed axial load		2028 N 21200 N
Lubrication interval of NDE bearing Lubrication interval of DE bearing		22500 h 22500 h
Moment of inertia	0.121000	Kg*m²
Noise level	73	dB(A)