

MOTOR DATA SHEET

Motor type: **3SGf250M4z-E**





21-11-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	,	D	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	r factor at l	oad [-]
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
500	Y	50	65	87	S1/S4	95	1475	421	2.5	2.6	6.3	93.1	93.9	93.8	0.71	0.80	0.84

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	82			
Frame size	250	Sound power level [dB]	92			
Number of poles	4	Terminal box position	top			
Starting method	DOL	Possibility of terminal box rotation	no			
Insulation class	F	Bearing on D-side	NU 315			
Frequency converter supply	on demand	Bearing on ND-side	6315 C3			
Mounting arrangement	IMB35	Bearings regreasing	yes			
Cooling method	IC411	Housing - material	steel			
Weight (IMB3) [kg]	590	Feet - material	steel			
Moment of inertia [kgm2]	0.61	Bearing shields - material	cast iron			
Direction of rotation	CW/CWW	Painting	RAL5010			
Degree of protection	IP56	Climatic execution	N			

ENVIRONMENTAL CONDITIONS							
Ambient temperature [°C]	from -20 up to +40	Altitude above sea level [m]	up to 1000				
Relative humidity [%]	up to 95						

ACCESSORY						
Number of terminals or cables	3	Temperature sensors in bearings	2 x bimetallic (1pc/bearing)			
Cable glands/inlets	2 Winding heaters		on demand			
Temperature sensors in winding	3 x bimetallic	Optional accessories	on demand			

STANDARDS
IEC 60034-1, IEC 60079-0, IEC 60079-1, IEC 60079-7

CERTIFICATES
ATEX, EAC, BiH

	ADDITIO	NAL INFO			
Ex marking	IM2 Ex db I Mb				

