

MOTOR DATA SHEET

Motor type: **3SGf250M2B-E**

Series: FOR MINING CONVEYOR BELT DRIVES 3SGF SERIES



21-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	ŀ	•	Duty	I	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	75	100	S1/S4	102	2955	242	2.4	2.2	6	94.9	95.0	94.7	0.83	0.87	0.90

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	85			
Frame size	250	Sound power level [dB]	95			
Number of poles	2	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]	580	Feet - material	steel			
Moment of inertia [kgm2]	0.31	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

	ADDITIONAL INFO					
Ex marking	IM2 Ex db I Mb					

