



MOTOR DATA SHEET

Motor type: **3SGf315M4-E**

Series: **FOR MINING CONVEYOR BELT DRIVES 3SGF SERIES**

07-05-2024

ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
V	-	Hz	kW	HP	-	A	rpm	N	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
500	Y	50	132	175	S1/S4	179	1480	853	2.5	2.2	5.9	94.7	94.8	94.5	0.83	0.88	0.9

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	81
Frame size	315	Sound power level [dB]	91
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 318
Frequency converter supply	on demand	Bearing on ND-side	6318 C3
Mounting arrangement	IMB35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	steel
Weight [kg]	1060	Feet - material	steel
Moment of inertia [kgm ²]	2.4	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		
------------	----------------	--	--