

## **MOTOR DATA SHEET**

Motor type: **3SGf280M2-E** 





22-11-2025

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	90	125	S1/S4	120	2970	289	2	2.5	6.5	93.7	94.3	94.0	0.90	0.91	0.92

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	89			
Frame size	280	Sound power level [dB]	99			
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 317			
Frequency converter supply	on demand	Bearing on ND-side	6317 C3			
Mounting arrangement	IMB35	Bearings regreasing	yes			
Cooling method	IC411	Housing - material	steel			
Weight (IMB3) [kg]	800	Feet - material	steel			
Moment of inertia [kgm2]	0.72	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	

	NAL INFO			
Ex marking	IM2 Ex db I Mb			

