

MOTOR DATA SHEET

Motor type: 2Sg250M2z

Series: **IE1**



23-10-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	Þ	Duty	1	n	Т	TL/T	TB/T	IL/I	Efficiency at load [%] Pov		Power	er factor at load [-]		
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Δ	50	75	100	S1	126	2970	241	2.0	2.5	6.9	94.5	94.7	94.3	0.85	0.89	0.91
690	Y	50	75	100	S1	73	2970	241	2.0	2.5	6.9	94.5	94.7	94.3	0.85	0.89	0.91

GENERAL DATA					
Efficiency class	-	Sound pressure level [dB]	79		
Frame size	250	Sound power level [dB]	89		
Number of poles	2	Terminal box position	on right side		
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes		
Insulation class	F	Bearing on D-side	6315C3		
Frequency converter supply	yes	Bearing on ND-side	6315C3		
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes		
Cooling method	IC411	Housing - material	cast iron		
Weight (IMB3) [kg]	480	Feet - material	cast iron		
Moment of inertia [kgm2]	0.42	Bearing shields - material	cast iron		
Direction of rotation	CW/CCW	Painting	RAL5010		
Degree of protection	IP55	Climatic execution	N		

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

ACCESSORY						
Number of terminals or cables	6	Temperature sensors in bearings	on demand			
Cable glands/inlets	2 + 1	Winding heaters	on demand			
Temperature sensors in winding	3 x PTC	Optional accessories	on demand			

STANDARDS	
IEC 60034-1	

CERTIFICATES	
on demand	

