

MOTOR DATA SHEET

Motor type: 2Sg250M8z

Series: **IE1**



21-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	,	Þ	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
400	Δ	50	37	50	S1	71	735	481	2.4	1.7	5.7	91.7	91.9	90.9	0.73	0.81	0.83
690	Y	50	37	50	S1	41	735	481	2.4	1.7	5.7	91.7	91.9	90.9	0.73	0.81	0.83

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	65			
Frame size	250	Sound power level [dB]	75			
Number of poles	8	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]	440	Feet - material	cast iron			
Moment of inertia [kgm2]	1.39	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	

