

MOTOR DATA SHEET

Motor type: 2Sg280M8

Series: **IE1**



23-10-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	,	Þ	Duty	1	n	Т	TL/T	TB/T	IL/I	Efficiency at load [%] Power factor a		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	45	60	S1	84	737	583	2.1	2.0	5.4	92.0	92.8	92.5	0.75	0.82	0.84
690	Y	50	45	60	S1	48	737	583	2.1	2.0	5.4	92.0	92.8	92.5	0.75	0.82	0.84

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	62			
Frame size	280	Sound power level [dB]	72			
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	6317C3			
Frequency converter supply	yes	Bearing on ND-side	6317C3			
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes			
Cooling method	IC411	Housing - material	cast iron			
Weight (IMB3) [kg]	590	Feet - material	cast iron			
Moment of inertia [kgm2]	1.8	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	

