



## MOTOR DATA SHEET

Motor type: **2Sg280S2**

Series: **IE1**

20-04-2024

### 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
400	Δ	50	75	100	S1	128	2977	241	2.1	3.3	7.5	91.9	93.6	94.0	0.80	0.87	0.90
690	Y	50	75	100	S1	74	2977	241	2.1	3.3	7.5	91.9	93.6	94.0	0.80	0.87	0.90

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	81
Frame size	280	Sound power level [dB]	91
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]	535	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	0.76	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