

## MOTOR DATA SHEET

Motor type: **2Sg280S6\_4**

Series: **Multi speed**



15-06-2025

### 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	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Y	50	45	60	S1	80	990	434	2.8	2.6	8.5	90.2	91.0	90.6	0.76	0.85	0.90
400	Y	50	65	87	S1	110	1480	419	1.7	1.9	6.7	91.3	92.1	91.8	0.87	0.91	0.93

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	69 72
Frame size	280	Sound power level [dB]	79 82
Number of poles	6 4	Terminal box position	on right side
Starting method	DOL / DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	6317P63E1
Frequency converter supply	on demand	Bearing on ND-side	6317P63E1
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	575	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	1.65	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	yes	Optional accessories	on demand

### STANDARDS

IEC 60034-1

### CERTIFICATES

on demand