



## MOTOR DATA SHEET

Motor type: **2Sg280S12\_6**

Series: **MULTI SPEED**

04-12-2024

### ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
			kW	HP								-	-	-	2/4	3/4	4/4
400	Δ	50	21	28	S1	55	492	408	2.0	2.2	4.4	-	-	87.3	-	-	0.63
400	YY	50	38	51	S1	68	985	368	1.6	1.7	5.3	-	-	91.0	-	-	0.89

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	-
Frame size	280	Sound power level [dB]	-
Number of poles	12 6	Terminal box position	on right side
Starting method	DOL or Y/Δ / 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]	510	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	1.47	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	9	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