

## MOTOR DATA SHEET

Motor type: **2Sg280S8\_4**

Series: **MULTI SPEED**



05-05-2024

### 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	46	62	S1	93	738	595	2.2	2.4	5.5	91.2	91.9	91.5	0.68	0.75	0.78
400	YY	50	60	80	S1	102	1480	387	1.8	2.2	6.5	91.9	92.6	92.2	0.89	0.92	0.92

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	62 72
Frame size	280	Sound power level [dB]	72 82
Number of poles	8 4	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 [kg]	540	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	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