

## MOTOR DATA SHEET

Motor type: **2Sg280M12\_6**

Series: **MULTI SPEED**



07-05-2024

### 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	26	35	S1	70	495	502	2.1	2.2	4.6	84.2	87.1	88.5	0.40	0.52	0.61
400	YY	50	44	59	S1	77	990	424	2.0	2.2	6.5	92.2	92.6	92.2	0.80	0.87	0.90

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	73 66
Frame size	280	Sound power level [dB]	83 76
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 [kg]	585	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	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	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