



MOTOR DATA SHEET

Motor type: **2Sg280S6_4W**

Series: **MULTI SPEED**



06-06-2025

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	22	29	S1	39	983	214	1.9	2.1	5.5	-	-	88.3	-	-	0.91
400	Y	50	65	87	S1	108	1480	419	1.8	2.5	6.6	-	-	93.6	-	-	0.92

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 ²]	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