

MOTOR DATA SHEET

Motor type: **dSg90S2**

Series: **GENERAL PURPOSE**



03-02-2026

ELECTRICAL PARAMETERS																	
<i>U</i>	CONN.	<i>f</i>	<i>P</i>		Duty	<i>I</i>	<i>n</i>	<i>T</i>	<i>TL/T</i>	<i>TB/T</i>	<i>IL/I</i>	Efficiency at load [%]			Power factor at load [-]		
<i>V</i>	-	Hz	<i>kW</i>	<i>HP</i>	-	A	<i>rpm</i>	<i>Nm</i>	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
1000	Y	50	1.5	2	S1	1.3	2845	5	2.9	3.1	5.5	76.3	78.8	79.1	0.61	0.74	0.82

GENERAL DATA				
Efficiency class		-		Sound pressure level [dB]
Frame size		90		Sound power level [dB]
Number of poles		2		Terminal box position
Starting method		DOL		Possibility of terminal box rotation
Insulation class		F		Bearing on D-side
Frequency converter supply		on demand		Bearing on ND-side
Mounting arrangement		IMB3/B5/B35		Bearings regreasing
Cooling method		IC411		Housing - material
Weight (IMB3) [kg]		34.5		Feet - material
Moment of inertia [kgm ²]		0.0013		Bearing shields - material
Direction of rotation		CW/CCW		Painting
Degree of protection		IP54		Climatic execution
N				

ENVIRONMENTAL CONDITIONS			
Ambient temperature [°C]	from -20 up to +40	Altitude above sea level [m]	up to 1000
Relative humidity [%]	up to 100		

ACCESSORY			
Number of terminals or cables	3	Temperature sensors in bearings	on demand
Cable glands/inlets	1	Winding heaters	on demand
Temperature sensors in winding	on demand	Optional accessories	on demand

STANDARDS			
IEC 60034-1, IEC 60079-0, IEC 60079-1			

CERTIFICATES			
ATEX, EAC, BiH			

ADDITIONAL INFO			
Ex marking	I M2 Ex db I Mb / II2G Ex db IIIB T5 Gb		