

## **MOTOR DATA SHEET**

Motor type: dSg90S2

Series: **GENERAL PURPOSE** 



10-12-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	ŀ	Þ	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	r factor at l	oad [-]
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	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]	67		
Frame size	90	Sound power level [dB]	77		
Number of poles	2	Terminal box position	top		
Starting method	DOL	Possibility of terminal box rotation	no		
Insulation class	F	Bearing on D-side	62052Z		
Frequency converter supply	on demand	Bearing on ND-side	62052Z		
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	no		
Cooling method	IC411	Housing - material	cast iron		
Weight (IMB3) [kg]	34.5	Feet - material	cast iron		
Moment of inertia [kgm2]	0.0013	Bearing shields - material	cast iron		
Direction of rotation	CW/CCW	Painting	RAL5010		
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 IIB T5 Gb				

