

MOTOR DATA SHEET

Motor type: **dSg90S4**



Series: **General purpose**

18-02-2026

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	1.1	1.5	S1	1.1	1405	7.5	2.1	2.6	4.5	71.0	74.5	75.0	0.58	0.74	0.80

GENERAL DATA																
Efficiency class					-		Sound pressure level [dB]								52	
Frame size					90		Sound power level [dB]								62	
Number of poles					4		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 [kgm ²]					0.0023		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 IIIB T5 Gb													