

MOTOR DATA SHEET

Motor type: **dSg90S4**

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	1.1	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		