

## **MOTOR DATA SHEET**

Motor type: dSg100L4B

Series: **GENERAL PURPOSE** 



11-12-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	F	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	3	4	S1	2.6	1415	20.2	2.6	2.7	5.8	76.3	79.6	81.0	0.60	0.73	0.81

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	61			
Frame size	100 Sound power level [dB]		71			
Number of poles	4	Terminal box position	top			
Starting method	DOL	Possibility of terminal box rotation	no			
Insulation class	F	Bearing on D-side	62062Z			
Frequency converter supply	on demand	Bearing on ND-side	62062Z			
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	no			
Cooling method	IC411	Housing - material	cast iron			
Weight (IMB3) [kg]	50	Feet - material	cast iron			
Moment of inertia [kgm2]	0.0065	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					

