



MOTOR DATA SHEET

Motor type: **dSg80-4B**

Series: **GENERAL PURPOSE**

01-09-2024

ELECTRICAL PARAMETERS																	
U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
V	-	Hz	kW	HP	-	A	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
1000	Y	50	0.75	1	S1	0.91	1405	5.1	3.2	3.3	5	68.0	73.0	74.0	0.42	0.54	0.64

GENERAL DATA			
Efficiency class	-	Sound pressure level [dB]	42
Frame size	80	Sound power level [dB]	52
Number of poles	4	Terminal box position	top
Starting method	DOL	Possibility of terminal box rotation	no
Insulation class	F	Bearing on D-side	62042Z
Frequency converter supply	on demand	Bearing on ND-side	62042Z
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	no
Cooling method	IC411	Housing - material	cast iron
Weight [kg]	26.5	Feet - material	cast iron
Moment of inertia [kgm ²]	0.0019	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	