



MOTOR DATA SHEET

Motor type: **dSg280S8-EP**

Series: **GENERAL PURPOSE**

14-06-2025

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	37	50	S1	27.7	737	479	2	1.8	5.3	92.0	93.1	92.8	0.70	0.78	0.83

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	65
Frame size	280	Sound power level [dB]	75
Number of poles	8	Terminal box position	top
Starting method	DOL	Possibility of terminal box rotation	no
Insulation class	F	Bearing on D-side	NU317
Frequency converter supply	on demand	Bearing on ND-side	6317C3
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	605	Feet - material	cast iron
Moment of inertia [kgm ²]	1.47	Bearing shields - material	cast iron
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP55	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	2 x bimetallic (1pc/bearing)
Cable glands/inlets	1	Winding heaters	on demand
Temperature sensors in winding	3 x bimetallic	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 IIA T5 Gb	
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