

MOTOR DATA SHEET

Motor type: **dSg280S2-EP**

Series: **GENERAL PURPOSE**



24-02-2026

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	75	100	S1	51	2977	241	2.1	3.3	7.5	92.5	93.8	94.0	0.80	0.87	0.90

GENERAL DATA			
Efficiency class	-	Sound pressure level [dB]	82
Frame size	280	Sound power level [dB]	92
Number of poles	2	Terminal box position	top
Starting method	DOL	Possibility of terminal box rotation	no
Insulation class	F	Bearing on D-side	NU315
Frequency converter supply	on demand	Bearing on ND-side	6315C3
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	610	Feet - material	cast iron
Moment of inertia [kgm ²]	0.76	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		