

## **MOTOR DATA SHEET**

Motor type: dSg280M2-EP

Series: **General purpose** 



30-11-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	ŀ	D	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	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	90	125	S1	60	2970	289	2	3.2	7	93.0	94.2	94.7	0.83	0.89	0.91

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]	650	Feet - material	cast iron		
Moment of inertia [kgm2]	0.87	Bearing shields - material	cast iron		
Direction of rotation	CW/CCW	Painting	RAL5010		
Degree of protection	IP55	Climatic execution	N		

	ENVIRONMENT	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				

