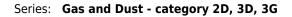


## **MOTOR DATA SHEET**

Motor type: **2Sg280M8-(2D,3D)** 





04-06-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	ı	0	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
400	Δ	50	45	60	S1	84	737	583	2.1	2	5.4	92.0	92.8	92.5	0.75	0.82	0.84

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	65			
Frame size	280	Sound power level [dB]	75			
Number of poles	8	Terminal box position	on right side			
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes			
Insulation class	F	Bearing on D-side	6317C3			
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]	635	Feet - material	cast iron			
Moment of inertia [kgm2]	1.8	Bearing shields - material	cast iron			
Direction of rotation	CW/CCW	Painting	RAL5010			
Degree of protection	IP66 (2D) / IP56 (3D)	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 95					

ACCESSORY							
Number of terminals or cables	6	Temperature sensors in bearings	2 x PTC (1pc/bearing)				
Cable glands/inlets	2 + 1	Winding heaters	on demand				
Temperature sensors in winding	3 x PTC	Optional accessories	on demand				

STANDARDS					
EN 60034-1, EN 60079-0, EN 60079-15, EN 60079-31					

CERTIFICATES
ATEX

ADDITIONAL INFO							
Ex marking	II 2D,3D Ex t IIIC,IIIB T100°C Db / II 3G ExnA II						
	T5 Gc						

