

## **MOTOR DATA SHEET**

Motor type: **2Sg280M4-(2D,3D)** 

Series: GAS AND DUST - CATEGORY 2D, 3D, 3G



02-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	ı	P	Duty	I	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	90	125	S1	151	1485	579	2.6	2.6	7.3	93.5	95.0	94.8	0.84	0.89	0.91

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	75			
Frame size	280	Sound power level [dB]	85			
Number of poles	4	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]	670	Feet - material	cast iron			
Moment of inertia [kgm2]	1.63	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						

