

## **MOTOR DATA SHEET**

Motor type: **2Sg315S8-(2D,3D)** 

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



10-12-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	•	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	55	75	S1	106	735	715	2	1.9	5.3	92.0	93.0	92.7	0.67	0.78	0.81

GENERAL DATA					
Efficiency class	-	Sound pressure level [dB]	65		
Frame size	315	Sound power level [dB]	75		
Number of poles	8	Terminal box position	on right side		
Starting method	DOL or Y/∆	Possibility of terminal box rotation	yes		
Insulation class	F	Bearing on D-side	6318C3		
Frequency converter supply	on demand	Bearing on ND-side	6318C3		
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes		
Cooling method	IC411	Housing - material	cast iron		
Weight (IMB3) [kg]	785	Feet - material	cast iron		
Moment of inertia [kgm2]	2.16	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						
Ex marking	T120°C Db / II 3G ExnA II						
	T4 Gc						

