

## **MOTOR DATA SHEET**

Motor type: 3Sg160L2-(2D,3D)

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



10-12-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	•	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	18.5	25	S1	32.5	2925	60	2.4	2.8	6.5	91.0	91.8	91.3	0.83	0.89	0.90

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	72			
Frame size	160	Sound power level [dB]	82			
Number of poles	2	Terminal box position	top			
Starting method	DOL or Y/∆	Possibility of terminal box rotation	yes			
Insulation class	F	Bearing on D-side	63092Z			
Frequency converter supply	on demand	Bearing on ND-side	63092Z			
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	no			
Cooling method	IC411	Housing - material	cast iron			
Weight (IMB3) [kg]	176	Feet - material	cast iron			
Moment of inertia [kgm2]	0.06	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	1 x PTC (D-side)					
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						

