

MOTOR DATA SHEET

Motor type: 3Sg160M2B-(2D,3D)

Series: Gas and Dust - category 2D, 3D, 3G



30-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	ı	D	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	15	20	S1	26.5	2920	49	2.1	2.2	6	89.5	90.5	89.5	0.83	0.88	0.91

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]	158	Feet - material	cast iron			
Moment of inertia [kgm2]	0.05	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				
Ex marking	T100°C Db / II 3G ExnA II				
	T5 Gc				

