

MOTOR DATA SHEET

Motor type: **ExSg180M-4-2GT3**

Series: INCREASED SAFETY



01-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	ŀ	D	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	33	1470	120.2	2.8	2.7	6.7	91.1	91.8	91.4	0.76	0.85	0.89

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	69			
Frame size	180	Sound power level [dB]	80			
Number of poles	4	Terminal box position	top			
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes			
Insulation class	F	Bearing on D-side	63112Z			
Frequency converter supply	no	Bearing on ND-side	63112Z			
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	yes			
Cooling method	IC411	Housing - material	cast iron			
Weight (IMB3) [kg]	173	Feet - material	cast iron			
Moment of inertia [kgm2]	0.155	Bearing shields - material	cast iron			
Direction of rotation	CW/CCW	Painting	RAL5010			
Degree of protection	IP55	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	on demand		
Cable glands/inlets	2	Winding heaters	no		
Temperature sensors in winding	on demand	Optional accessories	on demand		

STANDARDS					
EN 60079-0, EN 60079-15					

	CERTIFICATES
Ī	ATEX

	ADDITIONAL INFO						
tE heating time up to T3 temperature [s]	5	Ex marking	II 2G Ex eb IIC T3				

