

MOTOR DATA SHEET

Motor type: **Ex3SIE180M4-2GT3**

Series: INCREASED SAFETY IE3



04-12-2025

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	18.5	25	S1	33.9	1475	120.2	2.9	3.0	9.3	91.4	92.5	92.6			0.85

GENERAL DATA						
Efficiency class	IE3	Sound pressure level [dB]	62			
Frame size	180	Sound power level [dB]	75			
Number of poles	4	Terminal box position	top			
Starting method	DOL	Possibility of terminal box rotation	yes			
Insulation class	F	Bearing on D-side	63112Z			
Frequency converter supply	yes	Bearing on ND-side	63112Z			
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	no			
Cooling method	IC411	Housing - material	cast iron			
Weight (IMB3) [kg]	190	Feet - material	cast iron			
Moment of inertia [kgm2]	0.162	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 60034-1, EN-IEC 60079-0, EN 60079-7				

CERTIFICATES	
ATEX	

ADDITIONAL INFO					
tE heating time up to T3 temperature [s]	12	Ex marking	II 2G Ex eb IIC T3		

