

MOTOR DATA SHEET

Motor type: **Ex3SIE_80-2A**

Series: INCREASED SAFETY IE3



21-11-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	ŀ	•	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	Y	50	0.75	1	S1	1.8	2890	2.48	5.3	2.6	7.3	-	-	80.7	-	-	0.76

GENERAL DATA						
Efficiency class	IE3	Sound pressure level [dB]	-			
Frame size	80	Sound power level [dB]	-			
Number of poles	2	Terminal box position	top			
Starting method	DOL	Possibility of terminal box rotation	no			
Insulation class	F	Bearing on D-side	6204 2Z			
Frequency converter supply	no	Bearing on ND-side	6204 2Z			
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no			
Cooling method	IC411	Housing - material	aluminium			
Weight (IMB3) [kg]	9.5	Feet - material	aluminium			
Moment of inertia [kgm2]	-	Bearing shields - material	aluminium			
Direction of rotation	CW/CCW	Painting	RAL5010			
Degree of protection	IP66	Climatic execution	NU/2			

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	no			
Cable glands/inlets	2	Winding heaters	no			
Temperature sensors in winding	on demand	Optional accessories	no			

STANDARDS					
	PN-EN 60079-7:2016				

CERTIFICATES	
ATEX	

	ADDITIONAL INFO					
tE heating time up to T3 temperature [s]	7	tE heating time up to T4 temperature [s]	-			
Ex marking	Ex II 2 G Ex eb IIC Tx Gb					

