



## MOTOR DATA SHEET

Motor type: **Ex2SIE\_80-4A**

Series: **INCREASED SAFETY IE3**

04-12-2025

### ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
V	-	Hz	kW	HP	-	A	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Y	50	0.55	0.75	S1	1.5	1420	3.7	3.2	3.2	5.4	-	-	78.5	-	-	0.68

### GENERAL DATA

Efficiency class	IE2	Sound pressure level [dB]	-
Frame size	80	Sound power level [dB]	-
Number of poles	4	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]	9.9	Feet - material	aluminium
Moment of inertia [kgm <sup>2</sup> ]	-	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]	24	tE heating time up to T4 temperature [s]	8
Ex marking	Ex II 2 G Ex eb IIC Tx Gb		