



MOTOR DATA SHEET

Motor type: **Ex_2SIE_80-6B**

Series: **INCREASED SAFETY IE3**

03-01-2025

ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
			kW	HP								-	-	-	2/4	3/4	4/4
400	Y	50	0.55	0.75	S1	1.9	950	5.53	3.4	3.6	4.3	-	-	73.2	-	-	0.57

GENERAL DATA

Efficiency class	IE2	Sound pressure level [dB]	-
Frame size	80	Sound power level [dB]	-
Number of poles	6	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]	12.5	Feet - material	aluminium
Moment of inertia [kgm ²]	-	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]	25	tE heating time up to T4 temperature [s]	10
Ex marking	Ex II 2 G Ex eb IIC Tx Gb		