



MOTOR DATA SHEET

Motor type: **ExSh80-6BT3**

Series: **INCREASED SAFETY**

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	1.55	890	5.9	1.9	2	3.5	-	-	69.0	-	-	0.75

GENERAL DATA

Efficiency class	-	Frame size	80
Number of poles	6	Terminal box position	top
Starting method	DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	62042Z
Frequency converter supply	no	Bearing on ND-side	62042Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	aluminium
Weight (IMB3) [kg]	8.6	Feet - material	aluminium
Bearing shields - material	aluminium	Painting	RAL5010
Degree of protection	IP66	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 60079-31, EN 60079-7

CERTIFICATES

ATEX

ADDITIONAL INFO

tE heating time up to T3 temperature [s]	36	Ex marking	II 2G Ex eb T3 / II 2D Ex tb T125st.C
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