

MOTOR DATA SHEET

Motor type: **ExSh80-6BT4**

Series: INCREASED SAFETY



11-12-2025

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	0.37	0.50	S1	1.25	940	3.76	2.7	3	4.4	-	-	72.0	-	-	0.60

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			

STA	NDARDS
EN 60079-0, EN	60079-31, EN 60079-7

CERTIFICATES	
ATEX	

ADDITIONAL INFO							
tE heating time up to T4 temperature [s]	20	Ex marking	II 2G Ex eb T4 / II 2D Ex tb T125st.C				

