

MOTOR DATA SHEET

Motor type: (E)CSg(b)80-2A

Series: Flameproof IE1



30-11-2025

	ELECTRICAL PARAMETERS																	
U	СОІ	VN.	f	F	D	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	r factor at l	oad [-]
ν	-		Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
40	0 Y	,	50	0.75	1	S1	1.7	2770	2.6	2.4	3	4.9	76.0	76.5	75.0	0.70	0.80	0.86

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	60			
Frame size	80	Sound power level [dB]	70			
Number of poles	2	Terminal box position	top			
Starting method	DOL	Possibility of terminal box rotation	no			
Insulation class	F	Bearing on D-side	62042Z			
Frequency converter supply	on request - execution (-f)	Bearing on ND-side	62042Z			
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	no			
Cooling method	IC411	Housing - material	cast iron			
Weight (IMB3) [kg]	25.3	Feet - material	cast iron			
Moment of inertia [kgm2]	0.0008	Bearing shields - material	cast iron			
Direction of rotation	CW/CCW	Painting	RAL5010			
Degree of protection	IP54	Climatic execution	N			

ENVIRONMENTAL CONDITIONS							
Ambient temperature [°C]	from -20 up to +50	Altitude above sea level [m]	up to 1000				
Relative humidity [%]	up to 100						

ACCESSORY							
Number of terminals or cables	3	Temperature sensors in bearings	on demand				
Cable glands/inlets	1	Winding heaters	on demand				
Temperature sensors in winding	on demand	Optional accessories	on demand				

STANDARDS	
IEC 60034-1, IEC 60079-0, IEC 60079-1, IEC 60079-7	

CERTIFICATES
ATEX, EAC, BiH

ADDITIONAL INFO						
Ex marking	II 2G Ex db eb IIC T5 Gb / II 2G Ex db IIB +H2 T5 Gb					

