

MOTOR DATA SHEET

Motor type: (E)CSg(b)80-4B

Series: **FLAMEPROOF IE1**



11-12-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	1	P	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
40) Y	50	0.75	1	S1	2.3	1405	5.1	3.2	3.3	5	68.0	73.0	74.0	0.42	0.54	0.64

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	42			
Frame size	80	Sound power level [dB]	52			
Number of poles	4	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]	26.7	Feet - material	cast iron			
Moment of inertia [kgm2]	0.0019	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					

