

MOTOR DATA SHEET

Motor type: **(E)CSgb90S2**

Series: **FLAMEPROOF IE1**



11-12-2025

ELECTRICAL PARAMETERS																		
	U	CONN.	f	ŀ	•	Duty	I	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	r factor at lo	oad [-]
	V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
4	100	Y	50	1.5	2	S1	3.3	2845	5	2.9	3.1	5.5	76.3	78.8	79.1	0.61	0.74	0.82

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	67			
Frame size	90	Sound power level [dB]	77			
Number of poles	2	Terminal box position	top			
Starting method	DOL Possibility of terminal box rotation		no			
Insulation class	F	Bearing on D-side	62052Z			
Frequency converter supply	on request - execution (-f)	Bearing on ND-side	62052Z			
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	no			
Cooling method	IC411	Housing - material	cast iron			
Weight (IMB3) [kg]	34.5	Feet - material	cast iron			
Moment of inertia [kgm2]	0.0013	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	12G				

