



MOTOR DATA SHEET

Motor type: **(E)cSTe(b)90L2-IE3**

Series: **FLAMEPROOF IE3**

24-02-2026

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	2.2	3.0	S1	4.3	2910	7.2	2.7	4.0	8.0	85.4	86.5	85.9	0.67	0.80	0.86

GENERAL DATA			
Efficiency class	IE3	Sound pressure level [dB]	-
Frame size	90	Sound power level [dB]	-
Number of poles	2	Terminal box position	top
Starting method	DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	6205 2Z C3
Frequency converter supply	on demand	Bearing on ND-side	6205 2Z C3
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	50	Feet - material	cast iron
Moment of inertia [kgm ²]	0.0019	Bearing shields - material	cast iron
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP55	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	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) IIB T5 Gb lub na zyczenie II 2G Ex db (eb) IIC T5 Gb