

MOTOR DATA SHEET

Motor type: (E)cSTe(b)90L4-IE3

Series: **FLAMEPROOF IE3**



02-11-2025

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	1.5	2.0	S1	3.3	1450	9.9	2.5	3.4	7.4	83.9	85.5	85.3	0.58	0.71	0.78

GENERAL DATA					
Efficiency class	IE3	Sound pressure level [dB]	-		
Frame size	90	Sound power level [dB]	-		
Number of poles	4	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]	56	Feet - material	cast iron		
Moment of inertia [kgm2]	0.004	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	l II 2G Ex. db (eb) IIB T5 Gb lub na życzenie II 2G Ex db (eb) IIC T5 Gb				

