

## **MOTOR DATA SHEET**

Motor type: (E)cSg180L8-EP

Series: Flameproof IE1



30-11-2025

	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	11	15	S1	23.6	730	144	1.9	2.5	5.5	87.0	88.6	88.5	0.57	0.69	0.76

GENERAL DATA					
Efficiency class	-	Sound pressure level [dB]	58		
Frame size	180	Sound power level [dB]	68		
Number of poles	8	Terminal box position	top		
Starting method	DOL	Possibility of terminal box rotation	no		
Insulation class	F	Bearing on D-side	63112Z		
Frequency converter supply	on request - execution (-f)	Bearing on ND-side	63112Z		
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	no		
Cooling method	IC411	Housing - material	cast iron		
Weight (IMB3) [kg]	208	Feet - material	cast iron		
Moment of inertia [kgm2]	0.19	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 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 T5 Gb			

