

MOTOR DATA SHEET

Motor type: **(E)cSg180L8-EP**

Series: **FLAMEPROOF IE1**



03-02-2026

ELECTRICAL PARAMETERS

<i>U</i>	CONN.	<i>f</i>	<i>P</i>		Duty	<i>I</i>	<i>n</i>	<i>T</i>	<i>TL/T</i>	<i>TB/T</i>	<i>IL/I</i>	Efficiency at load [%]			Power factor at load [-]		
<i>V</i>	-	Hz	<i>kW</i>	<i>HP</i>	-	A	<i>rpm</i>	<i>Nm</i>	-	-	-	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 [kgm ²]	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	
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