

MOTOR DATA SHEET

Motor type: **(E)CSgb90L4**

Series: **FLAMEPROOF IE1**

28-03-2024

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*	*N*	-	-	-	*2/4*	*3/4*	*4/4*	*2/4*	*3/4*	*4/4*
400	Y	50	1.5	2	S1	3.5	1410	10.2	2.5	2.8	4.9	73.6	76.9	78.0	0.56	0.7	0.79

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	56
Frame size	90	Sound power level [dB]	66
Number of poles	4	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 [kg]	36.5	Feet - material	cast iron
Moment of inertia [kgm2]	0.0028	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	II 2G Ex db eb IIB+H2 T5 Gb / II 2G Ex db IIB +H2 T5 Gb		

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