



## MOTOR DATA SHEET

Motor type: **(E)cStE(b)112M2A-IE3**

Series: **Flameproof IE3**

27-12-2024

### 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	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Y	50	5.5	7.5	S1	10.2	2925	17.9	2.0	3.2	7.4	88.9	89.8	89.2	0.72	0.83	0.87

### GENERAL DATA

Efficiency class	IE3	Sound pressure level [dB]	-
Frame size	112	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	6306 2Z C3
Frequency converter supply	on demand	Bearing on ND-side	6306 2Z C3
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	98	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	0.0075	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	
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