



MOTOR DATA SHEET

Motor type: **(E)cStE(b)315M8D-IE3**

Series: **FLAMEPROOF IE3**

31-12-2024

ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
			kW	HP								-	-	-	2/4	3/4	4/4
400	Y	50	132	175	S1	257	739	1706	2.2	3.0	7.2	93.4	94.1	94.0	0.62	0.73	0.79

GENERAL DATA

Efficiency class	IE3	Sound pressure level [dB]	-
Frame size	315	Sound power level [dB]	-
Number of poles	8	Terminal box position	top
Starting method	DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	6320 C3
Frequency converter supply	on demand	Bearing on ND-side	6320 C3
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	1430	Feet - material	cast iron
Moment of inertia [kgm ²]	4.36	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	
------------	---	--