

MOTOR DATA SHEET

Motor type: (E)cSTe(b)180M2-IE3

Series: **FLAMEPROOF IE3**



11-12-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	P	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	22	30	S1	38	2955	71	3.2	3.7	9.2	91.1	92.4	92.7	0.80	0.87	0.90

GENERAL DATA					
Efficiency class	IE3	Sound pressure level [dB]	-		
Frame size	180	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	6311 2Z C3		
Frequency converter supply	on demand	Bearing on ND-side	6311 2Z C3		
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	on demand		
Cooling method	IC411	Housing - material	cast iron		
Weight (IMB3) [kg]	304	Feet - material	cast iron		
Moment of inertia [kgm2]	0.095	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	l II 2G Ex. db (eb) IIB T5 Gb lub na życzenie II 2G Ex db (eb) IIC T5 Gb				

