

MOTOR DATA SHEET

Motor type: (E)cSg180M4-EP

Series: Flameproof IE1



30-11-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	ŀ	D	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	18.5	25	S1	32.5	1465	121	2.3	2.9	6.9	90.3	90.9	90.8	0.82	0.88	0.90

GENERAL DATA					
Efficiency class	-	Sound pressure level [dB]	68		
Frame size	180	Sound power level [dB]	78		
Number of poles	4	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]	205	Feet - material	cast iron		
Moment of inertia [kgm2]	0.11	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			

