



## MOTOR DATA SHEET

Motor type: **(E)cSgb280S4-EP**

Series: **FLAMEPROOF IE1**

26-04-2024

### 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	75	100	S1	128	1485	482	2.5	2.5	7.3	92.5	94.2	94.2	0.84	0.89	0.9

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	75
Frame size	280	Sound power level [dB]	85
Number of poles	4	Terminal box position	top
Starting method	DOL	Possibility of terminal box rotation	no
Insulation class	F	Bearing on D-side	NU317
Frequency converter supply	on request - execution (-f)	Bearing on ND-side	6317C3
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight [kg]	630	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	1.37	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 IIB+H2 T5 Gb / II 2G Ex db IIB T5 Gb	
------------	--	--