

# MOTOR DATA SHEET

Motor type: **(E)CSg(b)80-4B**

Series: **FLAMEPROOF IE1**

29-03-2024

## 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 | 0.75 | 1 | S1 | 2.3 | 1405 | 5.1 | 3.2 | 3.3 | 5 | 68.0 | 73.0 | 74.0 | 0.42 | 0.54 | 0.64 |

## GENERAL DATA

| | | | |
|---|---|---|---|
| Efficiency class | - | Sound pressure level [dB] | 42 |
| Frame size | 80 | Sound power level [dB] | 52 |
| Number of poles | 4 | Terminal box position | top |
| Starting method | DOL | Possibility of terminal box rotation | no |
| Insulation class | F | Bearing on D-side | 62042Z |
| Frequency converter supply | on request - execution (-f) | Bearing on ND-side | 62042Z |
| Mounting arrangement | IMB3/B5/B35 | Bearings regreasing | no |
| Cooling method | IC411 | Housing - material | cast iron |
| Weight [kg] | 26.7 | Feet - material | cast iron |
| Moment of inertia [kgm2] | 0.0019 | Bearing shields - material | cast iron |
| Direction of rotation | CW/CCW | Painting | RAL5010 |
| Degree of protection | IP54 | Climatic execution | N |

## ENVIRONMENTAL CONDITIONS

| | | | |
|---|---|---|---|
| Ambient temperature [°C] | from -20 up to +50 | 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 +H2 T5 Gb | | |

As part of our development program, we reserve the rights to alter or amend any of the specifications without giving prior notice.

Copyright © 2024 Cantoni Group www.cantonigroup.com