



## MOTOR DATA SHEET

Motor type: **2SIE80-8A**

Series: **IE2**

26-04-2025

### 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 | Nm   | -    | -    | -    | 2/4                    | 3/4  | 4/4  | 2/4                      | 3/4  | 4/4  |
| 230 | Δ     | 50 | 0.18 | 0.25 | S1   | 1.40 | 710 | 2.42 | 2.2  | 2.6  | 2.9  | 47.4                   | 55.7 | 58.7 | 0.37                     | 0.46 | 0.55 |
| 400 | Y     | 50 | 0.18 | 0.25 | S1   | 0.80 | 710 | 2.42 | 2.2  | 2.6  | 2.9  | 47.4                   | 55.7 | 58.7 | 0.37                     | 0.46 | 0.55 |

### GENERAL DATA

|                                       |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | IE2             | Sound pressure level [dB]            | 52        |
| Frame size                            | 80              | Sound power level [dB]               | 59        |
| Number of poles                       | 8               | Terminal box position                | top       |
| Starting method                       | DOL or Y/Δ      | Possibility of terminal box rotation | yes       |
| Insulation class                      | F               | Bearing on D-side                    | 62042Z    |
| Frequency converter supply            | yes             | Bearing on ND-side                   | 62042Z    |
| Mounting arrangement                  | IMB3/B5/B35/B14 | Bearings regreasing                  | no        |
| Cooling method                        | IC411           | Housing - material                   | aluminium |
| Weight (IMB3) [kg]                    | 11              | Feet - material                      | aluminium |
| Moment of inertia [kgm <sup>2</sup> ] | 0.002933        | Bearing shields - material           | aluminium |
| Direction of rotation                 | CW/CCW          | Painting                             | RAL5010   |
| Degree of protection                  | IP54/IP55       | Climatic execution                   | U/2       |

### ENVIRONMENTAL CONDITIONS

|                          |           |                              |            |
|--------------------------|-----------|------------------------------|------------|
| Ambient temperature [°C] | up to +40 | Altitude above sea level [m] | up to 1000 |
| Relative humidity [%]    | up to 95  |                              |            |

### ACCESSORY

|                                |           |                                 |           |
|--------------------------------|-----------|---------------------------------|-----------|
| Number of terminals or cables  | 6         | Temperature sensors in bearings | no        |
| Cable glands/inlets            | 1         | Winding heaters                 | on demand |
| Temperature sensors in winding | on demand | Optional accessories            | on demand |

### STANDARDS

IEC 60034-1

### CERTIFICATES

on demand