

## MOTOR DATA SHEET

Motor type: **Sh63-8B**

Series: **IE1**



06-06-2025

### 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 | 0.06 | 0.08 | S1   | 1.10 | 660 | 0.86 | 1.4  | 1.4  | 1.4  | 10.7                   | 15.3 | 28.0 | 0.41                     | 0.45 | 0.48 |
| 400 | Y     | 50 | 0.06 | 0.08 | S1   | 0.65 | 660 | 0.86 | 1.4  | 1.4  | 1.4  | 10.7                   | 15.3 | 28.0 | 0.41                     | 0.45 | 0.48 |

### GENERAL DATA

|                                       |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | -               | Sound pressure level [dB]            | 50        |
| Frame size                            | 63              | Sound power level [dB]               | 57        |
| 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                    | 62022Z    |
| Frequency converter supply            | yes             | Bearing on ND-side                   | 62022Z    |
| Mounting arrangement                  | IMB3/B5/B35/B14 | Bearings regreasing                  | no        |
| Cooling method                        | IC411           | Housing - material                   | aluminium |
| Weight (IMB3) [kg]                    | 4.1             | Feet - material                      | aluminium |
| Moment of inertia [kgm <sup>2</sup> ] | 0.000307        | Bearing shields - material           | aluminium |
| Direction of rotation                 | CW/CCW          | Painting                             | RAL5010   |
| Degree of protection                  | IP 54/IP 55     | 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