

## MOTOR DATA SHEET

Motor type: **3SIE112M8**

Series: **IE3**



02-05-2025

### 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  |
| 400 | Δ     | 50 | 1.5 | 2.0 | S1   | 3.9 | 700 | 20.5 | 1.7  | 2.0  | 4.6  | 79.2                   | 80.8 | 79.7 | 0.47                     | 0.60 | 0.70 |
| 690 | Y     | 50 | 1.5 | 2.0 | S1   | 2.2 | 700 | 20.5 | 1.7  | 2.0  | 4.6  | 79.2                   | 80.8 | 79.7 | 0.47                     | 0.60 | 0.70 |

### GENERAL DATA

|                                       |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | IE3             | Sound pressure level [dB]            | 47        |
| Frame size                            | 112             | Sound power level [dB]               | 56        |
| 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                    | 63062ZC3  |
| Frequency converter supply            | yes             | Bearing on ND-side                   | 63062ZC3  |
| Mounting arrangement                  | IMB3/B5/B35/B14 | Bearings regreasing                  | no        |
| Cooling method                        | IC411           | Housing - material                   | aluminium |
| Weight (IMB3) [kg]                    | 33.5            | Feet - material                      | aluminium |
| Moment of inertia [kgm <sup>2</sup> ] | 0.0168          | Bearing shields - material           | cast iron |
| Direction of rotation                 | CW/CCW          | Painting                             | RAL5010   |
| Degree of protection                  | IP55            | Climatic execution                   | N         |

### 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 | on demand |
| 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