



# MOTOR DATA SHEET

 Motor type: **2SIE355ML4A**

 Series: **IE2**

03-02-2026

## 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 or Y | 50 | 250 | 335 | S1   | 423 | 1489 | 1603 | 2.0  | 2.4  | 7.3  | 95.6                   | 96.0 | 95.9 | 0.79                     | 0.86 | 0.89 |
| 690 | Δ or Y | 50 | 250 | 335 | S1   | 244 | 1489 | 1603 | 2.0  | 2.4  | 7.3  | 95.6                   | 96.0 | 95.9 | 0.79                     | 0.86 | 0.89 |

## GENERAL DATA

|                                       |                 |                                      |                   |
|---------------------------------------|-----------------|--------------------------------------|-------------------|
| Efficiency class                      | IE2             | Sound pressure level [dB]            | 78                |
| Frame size                            | 355             | Sound power level [dB]               | -                 |
| Number of poles                       | 4               | Terminal box position                | top/ * side       |
| Starting method                       | DOL, Y/Δ or VSD | Possibility of terminal box rotation | yes               |
| Insulation class                      | F               | Bearing on D-side                    | 6222 C3/* 6322 C3 |
| Frequency converter supply            | yes             | Bearing on ND-side                   | 6222 C3/* 6322 C3 |
| Mounting arrangement                  | IMB3/B35/V1*    | Bearings regreasing                  | yes               |
| Cooling method                        | IC411           | Housing - material                   | cast iron         |
| Weight (IMB3) [kg]                    | 1680            | Feet - material                      | cast iron         |
| Moment of inertia [kgm <sup>2</sup> ] | 5.3             | 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            | 2                   | Winding heaters                 | on demand |
| Temperature sensors in winding | 3 x PTC (1pc/phase) | Optional accessories            | on demand |

## STANDARDS

IEC 60034-1

## CERTIFICATES

on demand