



## MOTOR DATA SHEET

Motor type: **3SIE355ML2B**

Series: **IE3**

11-01-2026

| ELECTRICAL PARAMETERS |       |          |           |           |      |          |            |           |             |             |             |                        |      |      |                          |      |      |
|-----------------------|-------|----------|-----------|-----------|------|----------|------------|-----------|-------------|-------------|-------------|------------------------|------|------|--------------------------|------|------|
| <i>U</i>              | CONN. | <i>f</i> | <i>P</i>  |           | Duty | <i>I</i> | <i>n</i>   | <i>T</i>  | <i>TL/T</i> | <i>TB/T</i> | <i>IL/I</i> | Efficiency at load [%] |      |      | Power factor at load [-] |      |      |
| <i>V</i>              | -     | Hz       | <i>kW</i> | <i>HP</i> | -    | A        | <i>rpm</i> | <i>Nm</i> | -           | -           | -           | 2/4                    | 3/4  | 4/4  | 2/4                      | 3/4  | 4/4  |
| 400                   | Δ     | 50       | 315       | 425       | S1   | 520      | 2982       | 1009      | 2.0         | 2.9         | 7.3         | 95.5                   | 96.0 | 96.0 | 0.86                     | 0.90 | 0.91 |
| 690                   | Y     | 50       | 315       | 425       | S1   | 300      | 2982       | 1009      | 2.0         | 2.9         | 7.3         | 95.5                   | 96.0 | 96.0 | 0.86                     | 0.90 | 0.91 |

## GENERAL DATA

|                                       |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | IE3             | Sound pressure level [dB]            | 83        |
| Frame size                            | 355             | Sound power level [dB]               | -         |
| Number of poles                       | 2               | Terminal box position                | top       |
| Starting method                       | DOL, Y/Δ or VSD | Possibility of terminal box rotation | yes       |
| Insulation class                      | F               | Bearing on D-side                    | 6217 C3   |
| Frequency converter supply            | yes             | Bearing on ND-side                   | 6217 C3   |
| Mounting arrangement                  | IMB3/B35        | Bearings regreasing                  | yes       |
| Cooling method                        | IC411           | Housing - material                   | cast iron |
| Weight (IMB3) [kg]                    | 1700            | Feet - material                      | cast iron |
| Moment of inertia [kgm <sup>2</sup> ] | 3.0             | 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