

# MOTOR DATA SHEET

Motor type: **2SIE355ML2A**

Series: **IE2**



08-06-2025

## 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  |
| 400 | Δ or Y | 50 | 250 | 335 | S1   | 414 | 2982 | 801 | 1.8  | 2.8  | 7.0  | 94.7                   | 95.6 | 95.7 | 0.86                     | 0.90 | 0.91 |
| 690 | Δ or Y | 50 | 250 | 335 | S1   | 239 | 2982 | 801 | 1.8  | 2.8  | 7.0  | 94.7                   | 95.6 | 95.7 | 0.86                     | 0.90 | 0.91 |

## GENERAL DATA

|                                       |                 |                                      |           |
|---------------------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class                      | IE2             | 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]                    | 1600            | Feet - material                      | cast iron |
| Moment of inertia [kgm <sup>2</sup> ] | 2.8             | 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