



# MOTOR DATA SHEET

Motor type: **2SIE355H4E**

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 | 375 | 503 | S1   | 641 | 1488 | 2407 | 1.9  | 2.4  | 7.5  | 95.5                   | 95.9 | 95.9 | 0.79                     | 0.86 | 0.88 |
| 690 | Δ or Y | 50 | 375 | 503 | S1   | 370 | 1488 | 2407 | 1.9  | 2.4  | 7.5  | 95.5                   | 95.9 | 95.9 | 0.79                     | 0.86 | 0.88 |

## GENERAL DATA

|                                       |                        |                                      |             |
|---------------------------------------|------------------------|--------------------------------------|-------------|
| Efficiency class                      | IE2                    | Sound pressure level [dB]            | 84          |
| 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                    | 6322 C3     |
| Frequency converter supply            | yes                    | Bearing on ND-side                   | 6322 C3     |
| Mounting arrangement                  | IMB3/B35/V1*           | Bearings regreasing                  | yes         |
| Cooling method                        | IC411                  | Housing - material                   | cast iron   |
| Weight (IMB3) [kg]                    | 2450                   | Feet - material                      | cast iron   |
| Moment of inertia [kgm <sup>2</sup> ] | 9.1                    | Bearing shields - material           | cast iron   |
| Direction of rotation                 | according to the order | 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 | 2 x Pt100 (1 pc/bearing) |
| Cable glands/inlets            | 2                       | Winding heaters                 | on demand                |
| Temperature sensors in winding | 6 x Pt100 (2pcs./phase) | Optional accessories            | on demand                |

## STANDARDS

IEC 60034-1

## CERTIFICATES

on demand