



## MOTOR DATA SHEET

Motor type: **3SIE355H2D**

Series: **IE3**



06-06-2025

### 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     | 50 | 355 | 475 | S1   | 586 | 2985 | 1136 | 1.8  | 2.8  | 7.5  | 95.2                   | 96.0 | 96.1 | 0.84                     | 0.89 | 0.91 |
| 690 | Y     | 50 | 355 | 475 | S1   | 338 | 2985 | 1136 | 1.8  | 2.8  | 7.5  | 95.2                   | 96.0 | 96.1 | 0.84                     | 0.89 | 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]                    | 2160                   | Feet - material                      | cast iron |
| Moment of inertia [kgm <sup>2</sup> ] | 4.9                    | 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