

## **MOTOR DATA SHEET**

Motor type: **3SIE280M2D** 

Series: **IE3** 



21-11-2025

| ELECTRICAL PARAMETERS |       |    |     |     |      |     |      |     |      |      |      |        |             |       |       |               |         |
|-----------------------|-------|----|-----|-----|------|-----|------|-----|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U                     | CONN. | f  | F   | •   | Duty | 1   | n    | Т   | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | r factor at l | oad [-] |
| V                     | -     | Hz | kW  | HP  | -    | Α   | rpm  | Nm  | -    | -    | -    | 2/4    | 3/4         | 4/4   | 2/4   | 3/4           | 4/4     |
| 400                   | Δ     | 50 | 132 | 175 | S1   | 217 | 2977 | 423 | 2.0  | 2.7  | 7.3  | 95.8   | 95.9        | 95.6  | 0.88  | 0.91          | 0.92    |
| 690                   | Y     | 50 | 132 | 175 | S1   | 126 | 2977 | 423 | 2.0  | 2.7  | 7.3  | 95.8   | 95.9        | 95.6  | 0.88  | 0.91          | 0.92    |

| GENERAL DATA               |             |                                      |           |  |  |  |
|----------------------------|-------------|--------------------------------------|-----------|--|--|--|
| Efficiency class           | IE3         | Sound pressure level [dB]            | 82        |  |  |  |
| Frame size                 | 280         | Sound power level [dB]               | 92        |  |  |  |
| Number of poles            | 2           | Terminal box position                | top       |  |  |  |
| Starting method            | DOL or Y/∆  | Possibility of terminal box rotation | yes       |  |  |  |
| Insulation class           | F           | Bearing on D-side                    | 6315C3    |  |  |  |
| Frequency converter supply | on demand   | Bearing on ND-side                   | 6315C3    |  |  |  |
| Mounting arrangement       | IMB3/B5/B35 | Bearings regreasing                  | yes       |  |  |  |
| Cooling method             | IC411       | Housing - material                   | cast iron |  |  |  |
| Weight (IMB3) [kg]         | 864         | Feet - material                      | cast iron |  |  |  |
| Moment of inertia [kgm2]   | 1.28        | 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 + 1   | Winding heaters                 | on demand |  |  |  |
| Temperature sensors in winding | 3 x PTC | Optional accessories            | on demand |  |  |  |

| STANDARDS   |  |
|-------------|--|
| IEC 60034-1 |  |

| CERTIFICATES |  |
|--------------|--|
| on demand    |  |

