

## **MOTOR DATA SHEET**

Motor type: **SIE225M12\_4-K** 

Series: **MULTI SPEED** 



21-11-2025

|     | ELECTRICAL PARAMETERS |    |     |    |      |      |      |     |      |      |      |        |             |       |       |             |         |
|-----|-----------------------|----|-----|----|------|------|------|-----|------|------|------|--------|-------------|-------|-------|-------------|---------|
| U   | CONN.                 | f  | ,   | •  | Duty | 1    | n    | Т   | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | factor at l | oad [-] |
| V   | -                     | Hz | kW  | HP | -    | Α    | rpm  | Nm  | -    | -    | -    | 2/4    | 3/4         | 4/4   | 2/4   | 3/4         | 4/4     |
| 400 | Y                     | 50 | 9.0 | 12 | S1   | 23.8 | 492  | 175 | 2.4  | 2.0  | 4.9  | 79.2   | 82.3        | 82.6  | 0.45  | 0.57        | 0.66    |
| 400 | Y                     | 50 | 27  | 36 | S1   | 47   | 1478 | 174 | 1.6  | 2.1  | 6.3  | 91.0   | 90.9        | 89.8  | 0.90  | 0.93        | 0.93    |

| GENERAL DATA               |             |                                      |               |  |  |  |  |
|----------------------------|-------------|--------------------------------------|---------------|--|--|--|--|
| Efficiency class           | -           | Sound pressure level [dB]            | 60 70         |  |  |  |  |
| Frame size                 | 200         | Sound power level [dB]               | 70 80         |  |  |  |  |
| Number of poles            | 12 4        | Terminal box position                | on right side |  |  |  |  |
| Starting method            | DOL / DOL   | Possibility of terminal box rotation | yes           |  |  |  |  |
| Insulation class           | F           | Bearing on D-side                    | 6313P63E1     |  |  |  |  |
| Frequency converter supply | on demand   | Bearing on ND-side                   | 6313P63E1     |  |  |  |  |
| Mounting arrangement       | IMB3/B5/B35 | Bearings regreasing                  | yes           |  |  |  |  |
| Cooling method             | IC411       | Housing - material                   | cast iron     |  |  |  |  |
| Weight (IMB3) [kg]         | 365         | Feet - material                      | cast iron     |  |  |  |  |
| Moment of inertia [kgm2]   | 0.87        | 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 | yes   | Optional accessories            | on demand |  |  |  |  |

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

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

