



## MOTOR DATA SHEET

Motor type: **SIE225M8\_6-K**

Series: **MULTI SPEED**



17-05-2024

### 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 | N   | -    | -    | -    | 2/4                    | 3/4 | 4/4  | 2/4                      | 3/4 | 4/4  |
| 400 | Y     | 50 | 21 | 28 | S1   | 48.5 | 740 | 271 | 2.7  | 2.7  | 6.2  | -                      | -   | 86.0 | -                        | -   | 0.73 |
| 400 | Y     | 50 | 28 | 38 | S1   | 56   | 985 | 272 | 2.1  | 2.5  | 6.7  | -                      | -   | 89.0 | -                        | -   | 0.81 |

### GENERAL DATA

|                                       |             |                                      |               |
|---------------------------------------|-------------|--------------------------------------|---------------|
| Efficiency class                      | -           | Sound pressure level [dB]            | -             |
| Frame size                            | 225         | Sound power level [dB]               | -             |
| Number of poles                       | 8 6         | 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 [kg]                           | 365         | Feet - material                      | cast iron     |
| Moment of inertia [kgm <sup>2</sup> ] | 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