



## MOTOR DATA SHEET

Motor type: **SUem400M12A**

Series: **GENERAL PURPOSE**

18-05-2024

### 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  |
| 380 | Δ     | 50 | 125 | 170 | S1   | 264 | 484 | 2467 | -    | 2.1  | -    | -                      | -   | 92.4 | -                        | -   | 0.78 |

### GENERAL DATA

|                                       |        |                                      |                   |
|---------------------------------------|--------|--------------------------------------|-------------------|
| Efficiency class                      | -      | Sound pressure level [dB]            | -                 |
| Frame size                            | 400    | Sound power level [dB]               | -                 |
| Number of poles                       | 12     | Terminal box position                | on right side     |
| Starting method                       | DOL    | Possibility of terminal box rotation | no                |
| Insulation class                      | F      | Bearing on D-side                    | NU324EM1          |
| Frequency converter supply            | no     | Bearing on ND-side                   | 6322C3            |
| Mounting arrangement                  | IMB3   | Bearings regreasing                  | yes               |
| Cooling method                        | IC611  | Housing - material                   | cast iron + steel |
| Weight [kg]                           | 2170   | Feet - material                      | cast iron         |
| Moment of inertia [kgm <sup>2</sup> ] | 24.7   | Bearing shields - material           | cast iron         |
| Direction of rotation                 | CW/CCW | Painting                             | RAL5010           |
| Degree of protection                  | IP44   | 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+3     | Temperature sensors in bearings | on demand |
| Cable glands/inlets            | 2       | Winding heaters                 | on demand |
| Temperature sensors in winding | 3 x PTC | Optional accessories            | on demand |

### STANDARDS

IEC 60034-1

### ADDITIONAL INFO

|                   |     |                   |     |
|-------------------|-----|-------------------|-----|
| Rotor voltage [V] | 278 | Rotor current [A] | 237 |
|-------------------|-----|-------------------|-----|