

## MOTOR DATA SHEET

Motor type: **2SUg280S4**

Series: **General purpose**



27-09-2024

### 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  | Nm  | -    | -    | -    | 2/4                    | 3/4 | 4/4  | 2/4                      | 3/4 | 4/4  |
| 400 | Y     | 50 | 55 | 75 | S1   | 96 | 1455 | 361 | -    | 3.3  | -    | -                      | -   | 91.0 | -                        | -   | 0.91 |

### GENERAL DATA

|                                       |             |                                      |           |
|---------------------------------------|-------------|--------------------------------------|-----------|
| Efficiency class                      | -           | Sound pressure level [dB]            | -         |
| Frame size                            | 280         | Sound power level [dB]               | -         |
| Number of poles                       | 4           | Terminal box position                | top       |
| Starting method                       | DOL         | Possibility of terminal box rotation | no        |
| Insulation class                      | F           | Bearing on D-side                    | 6217C3    |
| Frequency converter supply            | on demand   | Bearing on ND-side                   | 6217C3    |
| Mounting arrangement                  | IMB3/B5/B35 | Bearings regreasing                  | yes       |
| Cooling method                        | IC411       | Housing - material                   | cast iron |
| Weight [kg]                           | 620         | Feet - material                      | cast iron |
| Moment of inertia [kgm <sup>2</sup> ] | 1.65        | 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  | 3+3     | Temperature sensors in bearings | on demand |
| Cable glands/inlets            | 3       | Winding heaters                 | on demand |
| Temperature sensors in winding | 3 x PTC | Optional accessories            | on demand |

### STANDARDS

IEC 60034-1

### ADDITIONAL INFO

|                        |        |                                   |        |
|------------------------|--------|-----------------------------------|--------|
| Rotor voltage [V]      | 240    | Rotor current [A]                 | 144    |
| Rotor resistance [ohm] | 0.0171 | Additional rotor resistance [ohm] | 0.9623 |