



## MOTOR DATA SHEET

Motor type: **2Sg280S4\_2W**

Series: **Multi speed**

18-02-2026

| ELECTRICAL PARAMETERS |       |          |           |           |      |          |            |           |             |             |             |                        |     |      |                          |     |      |
|-----------------------|-------|----------|-----------|-----------|------|----------|------------|-----------|-------------|-------------|-------------|------------------------|-----|------|--------------------------|-----|------|
| <i>U</i>              | CONN. | <i>f</i> | <i>P</i>  |           | Duty | <i>I</i> | <i>n</i>   | <i>T</i>  | <i>TL/T</i> | <i>TB/T</i> | <i>IL/I</i> | Efficiency at load [%] |     |      | Power factor at load [-] |     |      |
| <i>V</i>              | -     | Hz       | <i>kW</i> | <i>HP</i> | -    | A        | <i>rpm</i> | <i>Nm</i> | -           | -           | -           | 2/4                    | 3/4 | 4/4  | 2/4                      | 3/4 | 4/4  |
| 400                   | Y     | 50       | 18        | 27        | S1   | 32       | 1485       | 116       | 2.4         | 3.3         | 7.7         | -                      | -   | 89.9 | -                        | -   | 0.90 |
| 400                   | YY    | 50       | 72        | 97        | S1   | 117      | 2965       | 232       | 1.5         | 2.7         | 6.6         | -                      | -   | 93.7 | -                        | -   | 0.95 |

## GENERAL DATA

|                                       |             |                                      |               |
|---------------------------------------|-------------|--------------------------------------|---------------|
| Efficiency class                      | -           | Sound pressure level [dB]            | 66 75         |
| Frame size                            | 280         | Sound power level [dB]               | 76 85         |
| Number of poles                       | 4 2         | Terminal box position                | on right side |
| Starting method                       | DOL / DOL   | Possibility of terminal box rotation | yes           |
| Insulation class                      | F           | Bearing on D-side                    | 6317P63E1     |
| Frequency converter supply            | on demand   | Bearing on ND-side                   | 6317P63E1     |
| Mounting arrangement                  | IMB3/B5/B35 | Bearings regreasing                  | yes           |
| Cooling method                        | IC411       | Housing - material                   | cast iron     |
| Weight (IMB3) [kg]                    | 565         | Feet - material                      | cast iron     |
| Moment of inertia [kgm <sup>2</sup> ] | 1.38        | 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