



## MOTOR DATA SHEET

Motor type: **PSg112M-6**

Series: **IE1**

05-05-2024

### 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 | Δ     | 50 | 3.0 | 4.0 | S1   | 6.7 | 935 | 30.64 | 1.7  | 2.0  | 4.35 | 82.5                   | 82.6 | 79.4 | 0.66                     | 0.78 | 0.81 |
| 690 | Y     | 50 | 3.0 | 4.0 | S1   | 3.9 | 935 | 30.64 | 1.7  | 2.0  | 4.35 | 82.5                   | 82.6 | 79.4 | 0.66                     | 0.78 | 0.81 |

### GENERAL DATA

|                                       |             |                                      |            |
|---------------------------------------|-------------|--------------------------------------|------------|
| Efficiency class                      | -           | Sound pressure level [dB]            | 60         |
| Frame size                            | 112         | Sound power level [dB]               | 71         |
| Number of poles                       | 6           | Terminal box position                | top        |
| Starting method                       | DOL or Y/Δ  | Possibility of terminal box rotation | yes        |
| Insulation class                      | F           | Bearing on D-side                    | 6306 2Z C3 |
| Frequency converter supply            | yes         | Bearing on ND-side                   | 6306 2Z C3 |
| Mounting arrangement                  | IMB3/B5/B35 | Bearings regreasing                  | no         |
| Cooling method                        | IC411       | Housing - material                   | aluminium  |
| Weight (IMB3) [kg]                    | 33.0        | Feet - material                      | aluminium  |
| Moment of inertia [kgm <sup>2</sup> ] | 0.0177      | 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            | 1         | Winding heaters                 | on demand |
| Temperature sensors in winding | on demand | Optional accessories            | on demand |

### STANDARDS

IEC 60034-1

### CERTIFICATES

on demand