



## MOTOR DATA SHEET

 Motor type: **SUDg315S6(S3-25%)**

 Series: **FOR CRANES**

04-05-2025

### 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  |
| 380 | Δ     | 50 | 115 | 155 | S3-25% | 219 | 961 | 1143 | -    | 2.1  | -    | -                      | -   | 90.5 | -                        | -   | 0.88 |

### GENERAL DATA

|                                       |                           |                                      |               |
|---------------------------------------|---------------------------|--------------------------------------|---------------|
| Efficiency class                      | -                         | Sound pressure level [dB]            | -             |
| Frame size                            | 315                       | Sound power level [dB]               | -             |
| Number of poles                       | 6                         | Terminal box position                | on right side |
| Starting method                       | DOL with external starter | Possibility of terminal box rotation | no            |
| Insulation class                      | F                         | Bearing on D-side                    | NU320EM1      |
| Frequency converter supply            | no                        | Bearing on ND-side                   | 6320C3        |
| Mounting arrangement                  | IMB3                      | Bearings regreasing                  | yes           |
| Cooling method                        | IC411                     | Housing - material                   | cast iron     |
| Weight (IMB3) [kg]                    | 1085                      | Feet - material                      | cast iron     |
| Moment of inertia [kgm <sup>2</sup> ] | 4.8                       | Bearing shields - material           | cast iron     |
| Direction of rotation                 | CW/CCW                    | Painting                             | RAL5010       |
| Degree of protection                  | IP54                      | 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 + 1   | Winding heaters                 | on demand |
| Temperature sensors in winding | 3 x PTC | Optional accessories            | on demand |

### STANDARDS

IEC 60034-1

### ADDITIONAL INFO

|                   |     |                   |     |
|-------------------|-----|-------------------|-----|
| Rotor voltage [V] | 275 | Rotor current [A] | 270 |
|-------------------|-----|-------------------|-----|