



## MOTOR DATA SHEET

Motor type: **SUDg315M6(S3-100%)**

Series: **FOR CRANES**

07-05-2025

### 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 | 90 | 120 | S3-100% | 174 | 976 | 881 | -    | 3.5  | -    | -                      | -   | 92.3 | -                        | -   | 0.85 |

### 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]                    | 1155                      | Feet - material                      | cast iron     |
| Moment of inertia [kgm <sup>2</sup> ] | 5.45                      | 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] | 330 | Rotor current [A] | 168 |
|-------------------|-----|-------------------|-----|