



## MOTOR DATA SHEET

Motor type: **Sh90L-10**

Series: **ABOVE 8-POLES**

08-05-2024

### 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  |
| 230 | Δ     | 50 | 0.37 | 0.50 | S1   | 2.62 | 565 | 6.25 | 1.9  | 2.15 | 2.3  | 50.7                   | 58.9 | 63.4 | 0.45                     | 0.50 | 0.56 |
| 400 | Y     | 50 | 0.37 | 0.50 | S1   | 1.5  | 565 | 6.25 | 1.9  | 2.15 | 2.3  | 50.7                   | 58.9 | 63.4 | 0.45                     | 0.50 | 0.56 |

### GENERAL DATA

|                                       |                 |                                      |            |
|---------------------------------------|-----------------|--------------------------------------|------------|
| Efficiency class                      | -               | Sound pressure level [dB]            | 63         |
| Frame size                            | 90              | Sound power level [dB]               | 53         |
| Number of poles                       | 10              | Terminal box position                | top        |
| Starting method                       | DOL             | Possibility of terminal box rotation | yes        |
| Insulation class                      | F               | Bearing on D-side                    | 6205 2Z C3 |
| Frequency converter supply            | yes             | Bearing on ND-side                   | 6205 2Z C3 |
| Mounting arrangement                  | IMB3/B5/B35/B14 | Bearings regreasing                  | no         |
| Cooling method                        | IC411           | Housing - material                   | aluminium  |
| Weight (IMB3) [kg]                    | 20              | Feet - material                      | aluminium  |
| Moment of inertia [kgm <sup>2</sup> ] | 0.0030          | Bearing shields - material           | aluminium  |
| 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